









## Making Space for Nature in Kent and Medway

Developing the County's Local Nature Recovery Strategy

# LNRS Species Shortlist Workshop Report Habitat assemblage feedback

1st October 2024









## **Making Space for Nature in Kent and Medway**

Making Space for Nature (MS4N) is working with partners and stakeholders to collaboratively develop the Local Nature Recovery Strategy for Kent & Medway (LNRS). These strategies result from the 2021 Environment Act, with 48 to be created across England with no gaps or overlaps. Developed at a landscape scale by the Responsible Authority (with Kent County Council taking on this role for Kent and Medway), the LNRS will agree and map the local priorities and associated actions for nature recovery and wider environmental benefits, that collectively will deliver a nature recovery network for England, ending the decline of nature and supporting its recovery.

Making Space for Nature will develop:

- Spatially framed strategy for nature focussing action to where its most needed and/or where it will deliver the greatest benefits.
- Framework for joined-up action, developed with those that will be instrumental in its delivery.
- Set of agreed priorities for nature recovery, with measures to deliver.
- Shared vision for nature recovery and the use of nature-based solutions in Kent and Medway.
- Ambitious but realistic and deliverable plan, linked to supporting mechanisms and finance.

More detail on the project can be found on the Making Space for Nature website.

#### **The MS4N Priority Species Workshops**

On 1<sup>st</sup> October 2024, a half-day workshop was held in Marden to review the draft priority species shortlist, from which the LNRS priority species would be selected.

The purpose of the workshop was to allow a wider stakeholder group to review and input to the LNRS priority species identification. Up until this point, this work had been delivered by Kent and Medway Biological Record Centre with the input of a Technical Advisory Group comprising 36 of the county's species experts. The selection followed the process set out by Natural England for the identification of LNRS priority species. More detail can be found at: <a href="Defining Our Priorities and Actions for Species Recovery | Making Space For Nature Kent">Defining Our Priorities and Actions for Species</a>

The workshop invited participants to review, challenge and propose additions to the priority species shortlist. They were also asked to review the species identified under habitat assemblages, and nominate species from the groupings they felt best represented the habitat assemblage, with action for that species benefiting a wider range. There was also an exercise to identify iconic species of Kent, that could be used as flagship species to inspire, engage and be easily identifiable as a sign of healthy and recovering habitats.

This report is a reflection of stakeholders' views and opinions. Views and opinions do not indicate fact. No inference should be taken from the manner or order in which the priorities are presented.

The MS4N project team would like to thank all those that attended the workshop and so enthusiastically took part in the discussions.

| Habitat assemblage: Heath and acid grassland |                   |   |
|--|-------------------|---|
| Species                                      |                   | Workshop comments                           |
| Amphibians                                   |                   |   |
| Common Toad                                  | Bufo bufo         | Proposed priority for pond habitats.        |
| Natterjack Toad                              | Epidalea calamita |   |
| Reptiles                                     |                   |   |
| Adder  | Vipera berus      | Adder in particular on heathland.           |
|  |                   | Excellent flagship species for this habitat |
| Sand Lizard                                  | Lacerta agilis    |   |

- Smooth snake
- Grass snake (suggested twice)
- Common lizard
- Newts

| Beetles                    |                        |
|----------------------------|------------------------|
| Darkling beetle and allies | Anthicus bimaculatus   |
| Scarab beetle              | Euheptaulacus sus      |
| Scarab beetle              | Geotrupes mutator      |
| Scarab beetle              | Labarrus lividus       |
| Scarab beetle              | Melinopterus consputus |
| Scarab beetle              | Plagiogonus arenarius  |
| Weevil                     | Liparus germanus       |
| Birds                      |                        |
| Grasshopper Warbler        | Locustella naevia      |
| Linnet                     | Linaria cannabina      |
| Nightjar                   | Caprimulgus europaeus  |

#### **Suggested additions:**

- Dartford warbler
- Wood lark
- Hobby
- Other warblers

| o the warbtere     |                              |   |
|--------------------|------------------------------|---|
| Fungi              |                              |   |
| Vampire's Bane     | Mycetinis scorodonius        |   |
|                    | Battarrea phalloides         |   |
|                    | Clavaria flavipes            |   |
|                    | Clavaria incarnata           |   |
|                    | Clavaria zollingeri          |   |
|                    | Cuphophyllus flavipes        |   |
|                    | Cuphophyllus lacmus          |   |
|                    | Entoloma porphyrophaeum      |   |
|                    | Gloioxanthomyces vitellinus  |   |
|                    | Leucoagaricus barssii        |   |
|                    | Microglossum olivaceum       |   |
|                    | Omphalina galericolor        |   |
|                    | Porpolomopsis calyptriformis |   |
| Grasshoppers, cric | kets and allies              |   |
|                    |                              | 4 |

Mottled Grasshopper Myrmeleotettix maculatus Proposed priority

## Potential measures:

• Exposed inland sand etc needs inclusion for specialist insects.

## Moths

| Forester                    | Adscita statices         |                               |
|-----------------------------|--------------------------|-------------------------------|
| Vascular plants             |                          |                               |
| Allseed                     | Linum radiola            |                               |
| Annual Knawel               | Scleranthus annuus       |                               |
| Chamomile                   | Chamaemelum nobile       |                               |
| Dodder                      | Cuscuta epithymum        |                               |
| Greater Broomrape           | Orobanche rapum-genistae |                               |
| Heath Dog-violet            | Viola canina             |                               |
| Hoary Cinquefoil            | Potentilla argentea      |                               |
| Ivy-leaved Bellflower       | Wahlenbergia hederacea   |                               |
| Lesser Calamint             | Clinopodium calamintha   | Move to calcareous grassland. |
|                             |                          | Not acid grassland.           |
| Petty Whin                  | Genista anglica          |                               |
| Slender Bird's-foot-trefoil | Lotus angustissimus      |                               |
| Smooth Cat's-ear            | Hypochaeris glabra       |                               |

- U1 NVC community
- U4 NVC community

## Other

- Heath bumblebee Bombus jonellus
- Any bats on under this habitat?

| Habitat assemblage: Neutral       | meadows and Coastal &    | floodplain grazing marsh                  |
|-----------------------------------|--------------------------|---|
| Species                           |                          | Workshop comments                         |
| Amphibians                        |                          | Workshop comments                         |
| Common Toad                       | Bufo bufo                |   |
| Great-crested newt                | Triturus cristata        |   |
| Suggested additions:              | marao enetata            |   |
| All newts.                        |                          |   |
| Reptiles                          |                          |   |
| Adder                             | Vipera berus             | Particularly for neutral grassland        |
| Suggested additions:              | vipora sorae             | T articularly for flourial grassianu      |
| Grass snake                       |                          |   |
| Annelids                          |                          |   |
| Medicinal leach                   | Hirudo medicinalis       |   |
| Bees, Wasps and Ants              | r.made mediemade         |   |
| Moss Carder Bee                   | Bombus muscorum          | Proposed priority (ticked twice).         |
| Red-shanked Carder Bee            | Bombus ruderarius        | Proposed priority (ticked twice).         |
| Shrill Carder Bee                 |                          | Proposed priority Proposed priority       |
| Shrill Carder Bee                 | Bombus sylvarum          | Umbrella management of tussocky grassland |
|                                   |                          | (benefit all carders and reptiles etc).   |
| Butterflies                       |                          | (benefit all carders and replites etc).   |
| Dingy Skipper                     | Erynnis tages            |   |
| Wall                              | Lasiommata megera        |   |
|                                   |                          |   |
| Grizzled Skipper                  | Pyrgus malvae            |   |
| Dark Green Fritillary             | Speyeria aglaja          |   |
| Moths                             |                          |   |
| Marsh Mallow Moth                 | Hydraecia osseola        | Proposed priority                         |
| Beetles                           |                          |   |
| Ground beetle                     | Ophonus puncticollis     |   |
| Kentish Clown                     | Hister quadrimaculatus   |   |
| Mellet's Downy-back ground beetle | Ophonus melletii         |   |
| Obscure Clown                     | Margarinotus obscurus    |   |
| Pride of Kent Rove Beetle         | Emus hirtus              | Proposed priority                         |
| Rove beetle                       | Philonthus punctus       |   |
| Scarab beetle                     | Bodilopsis sordida       |   |
| Scarab beetle                     | Geotrupes mutator        |   |
| Scarce Dung Clown                 | Hister bissexstriatus    |   |
| Soft-winged Flower beetle         | Clanoptilus marginellus  |   |
| Water beetle                      | Aulacochthebius exaratus |   |
| Water beetle                      | Dytiscus dimidiatus      |   |
| Water beetle                      | Graphoderus cinereus     |   |
| Water beetle                      | Haliplus variegatus      |   |
| Weevil                            | Bagous longitarsis       |   |
| Weevil                            | Bagous subcarinatus      |   |
| Birds                             | ·                        |   |
| Avocet                            | Recurvirostra avosetta   |   |
| Barn Owl                          | Tyto alba                |   |
| Black-tailed Godwit               | Limosa limosa            |   |
| Corn Bunting                      | Emberiza calandra        |   |
| Garganey                          | Spatula querquedula      |   |
| Lapwing                           | Vanellus vanellus        |   |
| Marsh Harrier                     | Circus aeruginosus       |   |
| Oystercatcher                     | Haematopus ostralegus    |   |
|                                   |                          |   |

| Redshank       | Tringa totanus   |                              |
|----------------|------------------|------------------------------|
| Shelduck       | Tadorna tadorna  |                              |
| Shoveler       | Spatula clypeata | Also on standing water list. |
| Swallow        | Hirundo rustica  |                              |
| Yellow Wagtail | Motacilla flava  |                              |

| <ul> <li>Grey wagtail (water hab</li> </ul> | oitats)                      |   |
|---|------------------------------|---|
| Fungi                                       |                              |   |
|   | Clavaria incarnata           |   |
|   | Clavaria zollingeri          |   |
|   | Cuphophyllus colemannianus   |   |
|   | Cuphophyllus lacmus          |   |
|   | Cuphophyllus lepidopus       |   |
| Powdercap Strangler                         | Dissoderma paradoxum         |   |
|   | Entoloma indutoides          |   |
|   | Entoloma porphyrophaeum      |   |
|   | Entoloma prunuloides         |   |
|   | Hygrocybe citrinovirens      |   |
|   | Hygrocybe coccineocrenata    |   |
|   | Hygrocybe ingrata            |   |
|   | Hygrocybe punicea            |   |
|   | Hygrocybe spadicea           |   |
|   | Hygrocybe splendidissima     |   |
|   | Microglossum olivaceum       |   |
|   | Neohygrocybe ovina           |   |
|   | Omphalina galericolor        |   |
|   | Porpolomopsis calyptriformis |   |
|   | Puccinia bupleuri            |   |
|   | Puccinia rugulosa            |   |
| Mammals                                     |                              |   |
| Beaver                                      | Castor fiber                 | Proposed priority Beaver is an ecosystem engineer delivering wider environmental benefits for floodplains and source to sea. But do we know which other priority species actually benefit from beaver? Established in East Kent and recovering. |
| Brown Hare                                  | Lepus europaeus              | Established in East Kent and recovering.  |
| DIOWII Hale                                 | Lepus europaeus              |   |

## West European Hedgehog **Suggested additions:**

Brown Long-eared Bat

European Water Vole

Leisler's Bat

Noctule Bat

Serotine

- Natterers Bat (water habitats)
- Daubentons bat

| Vascular plants          |                         |  |
|--------------------------|-------------------------|--|
| Bithynian Vetch          | Vicia bithynica         |  |
| Borrer's Saltmarsh-grass | Puccinellia fasciculata |  |
| Deptford Pink            | Dianthus armeria        | Habitat assemblage questioned – arable |

Woodland.

systems.

**Proposed priority** 

Declining in Kent and found in freshwater

Plecotus auritus

Nyctalus leisleri

Nyctalus noctula

Eptesicus serotinus

Erinaceus europaeus

Arvicola amphibius

|                              |                         | edge/woodland edge and sandy/calcareous. |
|------------------------------|-------------------------|--|
| Divided Sedge                | Carex divisa            | Grazing marsh.                           |
| Greater Water-parsnip        | Sium latifolium         | Proposed priority                        |
| Green-winged Orchid          | Anacamptis morio        |  |
| Least Lettuce                | Lactuca saligna         |  |
| Mousetail                    | Myosurus minimus        |  |
| Narrow-leaved Water-dropwort | Oenanthe silaifolia     |  |
| Pennyroyal                   | Mentha pulegium         |  |
| Round-fruited Rush           | Juncus compressus       | Proposed priority                        |
|                              |                         | Coastal floodplain.                      |
| Sea Barley                   | Hordeum marinum         | Proposed priority                        |
|                              |                         | Coastal floodplain.                      |
| Sharp-leaved Pondweed        | Potamogeton acutifolius | Proposed priority                        |
|                              |                         | Standing water.                          |
| Slender Bird's-foot-trefoil  | Lotus angustissimus     | Sandy grass.                             |
| Slender Hare's-ear           | Bupleurum tenuissimum   | Proposed priority                        |
| Small Water-pepper           | Persicaria minor        | Proposed priority                        |
| Tasteless Water-pepper       | Persicaria mitis        | Proposed priority                        |

Other comments:

See Sussex LWS – Shortbridge Stream Meadows list of plants.

## Other

## **Suggested additions:**

• Spider species missing.

| Habitat assemblage: Calcareous grassland |                   |  |
|--|-------------------|--|
| Species                                  |                   | Workshop comments  |
| Bees, Wasps and Ants                     |                   |  |
| Maidstone Mining Bee                     | Andrena polita    | Proposed priority  |
| Moss Carder Bee                          | Bombus muscorum   | Habitat assemblage questioned – damp grassland, coastal NG/SS. |
| Red-shanked Carder Bee                   | Bombus ruderarius | Proposed priority  |
| Shrill Carder Bee                        | Bombus sylvarum   | Proposed priority  |

| <ul> <li>Red Bartsia Bee</li> </ul>        |                                       |                                     |
|--|---------------------------------------|-------------------------------------|
| <ul> <li>Large Scabious Minin</li> </ul>   | g Bee                                 |                                     |
| Spiders                                    |                                       |                                     |
|  | Gonatium paradoxum                    |                                     |
|  | Ozyptila pullata                      |                                     |
| Beetles                                    |                                       |                                     |
| Ground beetle                              | Ophonus parallelus                    |                                     |
| Ground beetle                              | Ophonus sabulicola                    |                                     |
| Leaf beetle                                | Longitarsus nigrofasciatus            |                                     |
| Scarab beetle                              | Euheptaulacus sus                     |                                     |
| Scarab beetle                              | Geotrupes mutator                     |                                     |
| Scarab beetle                              | Labarrus lividus                      |                                     |
| Scarab beetle                              | Plagiogonus arenarius                 |                                     |
| Weevil                                     | Liparus germanus                      |                                     |
| Weevil                                     | Mitoplinthus caliginosus              |                                     |
| Weevil                                     | Omphalapion beuthini                  |                                     |
| Weevil                                     | Stenopterapion intermedium            |                                     |
| Butterflies                                |                                       |                                     |
| Adonis Blue                                | Polyommatus bellargus                 |                                     |
| Chalk Hill Blue                            | Polyommatus coridon                   |                                     |
| Dark Green Fritillary                      | Speyeria aglaja                       |                                     |
| Dingy Skipper                              | Erynnis tages                         |                                     |
| Duke of Burgundy                           | Hamearis lucina                       |                                     |
| Grizzled Skipper                           | Pyrgus malvae                         |                                     |
| Silver-spotted Skipper                     | Hesperia comma                        |                                     |
| Small Blue                                 | Cupido minimus                        |                                     |
| Wall                                       | Lasiommata megera                     |                                     |
| Fungi                                      |                                       |                                     |
|  | Buglossoporus quercinus               |                                     |
|  | Clavaria flavipes                     |                                     |
|  | Clavaria incarnata                    |                                     |
|  | Clavaria zollingeri                   |                                     |
|  | Cuphophyllus                          |                                     |
|  | colemannianus                         |                                     |
|  | Entoloma bloxamii                     |                                     |
|  | Hodophilus micaceus                   |                                     |
|  | Microglossum olivaceum                |                                     |
|  | Porpolomopsis                         |                                     |
|  | calyptriformis  Ramariopsis pulchella |                                     |
| Devil's bolete                             | Rubroboletus satanas                  |                                     |
|  |                                       |                                     |
| Grasshoppers, crickets Mottled Grasshopper | Myrmeleotettix maculatus              | Proposed priority                   |
| Rufous Grasshopper                         | Gomphocerippus rufus                  | Proposed priority Proposed priority |
| nulous Glassiloppei                        | Gomphocemppus ruius                   | Froposeu priority                   |

| Stenobothrus lineatus      | Proposed priority  |
|----------------------------|--|
| Decticus verrucivorus      | Proposed priority  |
|                            |  |
| Lepus europaeus            |  |
| Plecotus auritus           |  |
| Nyctalus leisleri          |  |
| Nyctalus noctula           |  |
| Eptesicus serotinus        |  |
|                            |  |
| Trichopteryx polycommata   | Scrub on chalk.  |
| Siona lineata              |  |
| Adscita statices           |  |
| Grapholita pallifrontana   | Scrub/wood.  |
| Hypercallia citrinalis     |  |
| Phyllonorycter scabiosella |  |
| Jordanita globulariae      |  |
| Thalera fimbrialis         |  |
|                            | Decticus verrucivorus  Lepus europaeus  Plecotus auritus  Nyctalus leisleri  Nyctalus noctula  Eptesicus serotinus  Trichopteryx polycommata  Siona lineata  Adscita statices  Grapholita pallifrontana  Hypercallia citrinalis  Phyllonorycter scabiosella  Jordanita globulariae |

• Straw Belle

| Reptiles                  |                          |  |
|---------------------------|--------------------------|--|
| Adder                     | Vipera berus             | Proposed priority Excellent species to help land managers understand the importance of retaining areas of soil and longer grassland in areas of calcareous grassland. So many species of this habitat dependent upon management that is not completely compatible with management for botanical species. |
| Vascular plants           |                          |  |
| Autumn Lady's-tresses     | Spiranthes spiralis      |  |
| Basil Thyme               | Clinopodium acinos       | Good grazing routine. Good bare ground creation.   |
| Bedstraw Broomrape        | Orobanche caryophyllacea |  |
| Burnt Orchid              | Neotinea ustulata        |  |
| Chalk Eyebright           | Euphrasia pseudokerneri  |  |
| Dodder                    | Cuscuta epithymum        |  |
| Dwarf Milkwort            | Polygala amarella        |  |
| Fly Orchid                | Ophrys insectifera       | Scrub species.   |
| Green-winged Orchid       | Anacamptis morio         | Bare ground.   |
| Ground-pine               | Ajuga chamaepitys        | Bare ground.   |
| Hairy Rock-cress          | Arabis hirsuta           |  |
| Hound's-tongue            | Cynoglossum officinale   |  |
| Lady Orchid               | Orchis purpurea          | Habitat assemblage questioned – really open glades in woodland glades.   |
| Late Spider-orchid        | Ophrys fuciflora         |  |
| Lesser Calamint           | Clinopodium calamintha   |  |
| Lizard Orchid             | Himantoglossum hircinum  |  |
| Man Orchid                | Orchis anthropophora     |  |
| Meadow Clary              | Salvia pratensis         | Proposed priority  |
| Monkey Orchid             | Orchis simia             |  |
| Musk Orchid               | Herminium monorchis      |  |
| Nottingham Catchfly       | Silene nutans            |  |
| Pale St John's-wort       | Hypericum montanum       |  |
| Shaggy Mouse-ear-hawkweed | Pilosella peleteriana    | Difficult to identify.   |

| Small-leaved Sweet-briar                | Rosa agrestis            |  |
|---|--------------------------|--|
| White Helleborine                       | Cephalanthera damasonium |  |
| Yellow Vetchling                        | Lathyrus aphaca          |  |
| Suggested additions:                    |                          |  |
| <ul> <li>Early spider orchid</li> </ul> |                          |  |

| Habitat assemblage: Species |  | Workshop comments  |
|-----------------------------|--|--|
|                             |  | Workshop comments  |
| Amphibians Common Toad      | Bufo bufo                                  |  |
| Great-crested newt          | Triturus cristata                          |  |
|                             | murus cristata                             |  |
| Reptiles                    | Vinore house                               |  |
| Adder                       | Vipera berus                               |  |
| Bees, Wasps and Ants        | Do mahara mara a a wana                    |  |
| Moss Carder Bee             | Bombus muscorum                            |  |
| Oak Mining Bee              | Andrena ferox                              |  |
| Red-shanked Carder Bee      | Bombus ruderarius                          |  |
| Shrill Carder Bee           | Bombus sylvarum                            |  |
| Hawthorne good for bees     | spp  |  |
| Butterflies                 |  |  |
| Brown Hairstreak            | Thecla betulae                             |  |
| White-letter Hairstreak     | Satyrium w-album                           | Needs Elm.   |
| Potential measures:         |  |  |
| Different hedgerow plant    | ing for different species                  |  |
| Moths                       |  |  |
| Lappet                      | Gastropacha quercifolia                    |  |
| Birds                       |  |  |
| Grasshopper Warbler         | Locustella naevia                          |  |
| Linnet                      | Linaria cannabina                          |  |
| Nightingale                 | Luscinia megarhynchos                      |  |
| Tree Sparrow                | Passer montanus                            |  |
| Turtle Dove                 | Streptopelia turtur                        |  |
| Yellowhammer                | Emberiza citrinella                        |  |
| Potential measures:         |  |  |
| Each bird species will hav  | ve specific needs in terms of              | hedgerow planting.   |
| Fungi                       |  |  |
|                             | Battarrea phalloides                       | Knowing where this species is found would be a useful starting point.        |
|                             | Leucoagaricus barssii                      |  |
|                             | Ramariopsis pulchella                      |  |
| Old Man Of The Woods        | Strobilomyces strobilaceus                 |  |
| General comments:           | •  |  |
| Some of these very restri   | cted.                                      |  |
| Lichen                      |  |  |
|                             | Usnea articulata                           |  |
| Mammals                     |  |  |
| Brown Long-eared Bat        | Plecotus auritus                           | Hedgerows are vital bat feeding corridors.                                   |
| Hazel Dormouse              | Muscardinus avellanarius                   | Question as to whether there is enough targeted action on dormouse as it is? |
| Leisler's Bat               | Nyctalus leisleri                          |  |
|                             | Nyctalus noctula                           |  |
| Noctule Bat                 | <u> </u>                                   |  |
| Noctule Bat<br>Serotine     | Eptesicus serotinus                        |  |
| Serotine                    | Eptesicus serotinus Erinaceus europaeus    |  |
|                             | Eptesicus serotinus<br>Erinaceus europaeus |  |

| Habitat assemblage: (       | Coniferous woodland         |                   |
|-----------------------------|-----------------------------|-------------------|
| Species                     |                             | Workshop comments |
| Birds                       |                             |                   |
| Nightjar                    | Caprimulgus europaeus       |                   |
| Dragonflies and damsel      | flies                       |                   |
| Brilliant Emerald Dragonfly | Somatochlora metallica      |                   |
| Mammals                     |                             |                   |
| Hazel Dormouse              | Muscardinus avellanarius    |                   |
| Fungi                       |                             |                   |
| Wood Bolete                 | Buchwaldoboletus lignicola  |                   |
|                             | Chrysomphalina chrysophylla |                   |
|                             | Gyromitra ambigua           |                   |
|                             | Hydnellum aurantiacum       |                   |
|                             | Hydnellum ferrugineum       |                   |
|                             | Hydnellum peckii            |                   |
|                             | Lactarius salmonicolor      |                   |
| Vampire's Bane              | Mycetinis scorodonius       |                   |
|                             | Phellodon tomentosus        |                   |
|                             | Pholiota astragalina        |                   |
|                             | Russula badia               |                   |
|                             | Russula cavipes             |                   |
|                             | Sarcodon scabrosus          |                   |
|                             | Sarcodon squamosus          |                   |

| Habitat assemblage: Broadle             | eaved and mixed woodland   |   |
|---|----------------------------|---|
| Species                                 |                            | Workshop comments                         |
| Amphibians                              |                            |   |
| Common Toad                             | Bufo bufo                  |   |
| Great-crested newt                      | Triturus cristata          |   |
| Bees, Wasps and Ants                    |                            |   |
| Fringe-horned Mason Bee                 | Osmia pilicornis           |   |
| Oak Mining Bee                          | Andrena ferox              |   |
| Small Flecked Mining Bee                | Andrena coitana            |   |
| Tormentil Mining Bee                    | Andrena tarsata            |   |
| Beetles                                 |                            |   |
| Click beetle                            | Ampedus rufipennis         | Mature beech                              |
| Great Capricorn longhorn beetle         | Cerambyx cerdo             |   |
| Hairy Fungus beetle                     | Pseudotriphyllus suturalis |   |
| Noble Chafer                            | Gnorimus nobilis           | Proposed not a priority.                  |
| Parallel Bark Clown                     | Paromalus parallelepipedus |   |
| Phoenix Clown                           | Acritus homoeopathicus     | Coppice.                                  |
| Rove beetle                             | Manda mandibularis         |   |
| Southern Oyster Mushroom Beetle         | Triplax lacordairii        |   |
| Water beetle                            | Limnebius crinifer         |   |
| Weevil                                  | Dissoleucas niveirostris   |   |
| Weevil                                  | Mitoplinthus caliginosus   |   |
| Weevil                                  | Pseudeuparius sepicola     |   |
| Birds                                   |                            |   |
| Barn Owl                                | Tyto alba                  | Habitat assemblage questioned – not a     |
|   |                            | woodland species – edge/farmland habitat. |
| Lesser Spotted Woodpecker               | Dryobates minor            | Particularly ancient woodland             |
| Marsh Tit                               | Poecile palustris          | Particularly ancient woodland             |
| Nightingale                             | Luscinia megarhynchos      | Scrub and young woodland                  |
| Nightjar                                | Caprimulgus europaeus      | Coppice                                   |
| Starling                                | Sturnus vulgaris           | Habitat assemblage questioned – no longer |
| 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 |                            | a woodland species                        |

- Woodcock. Not on any shortlist dependant on cut areas.
- Tree pipit. Not on any shortlist dependant on cut areas.
- Turtle dove young planted woodland and coppice and access to water and seed.

| Butterflies                 |                         |  |
|-----------------------------|-------------------------|--|
| Duke of Burgundy            | Hamearis lucina         |  |
| White Admiral               | Limenitis camilla       |  |
| Heath Fritillary            | Melitaea athalia        |  |
| White-letter Hairstreak     | Satyrium w-album        |  |
| Caddisflies                 |                         |  |
|                             | Tinodes pallidulus      |  |
| Dragonflies and damselflies |                         |  |
| Brilliant Emerald Dragonfly | Somatochlora metallica  |  |
| Fungi                       |                         |  |
|                             | Alloclavaria purpurea   |  |
|                             | Artomyces pyxidatus     |  |
| Gilded Bolete               | Aureoboletus gentilis   |  |
| Tawny Bolete                | Aureoboletus moravicus  |  |
| Bronze Bolete               | Boletus aereus          |  |
|                             | Buglossoporus quercinus |  |
| Pale Bolete                 | Butryiboletus fechtneri |  |

|              | Caloscypha fulgens                            |  |
|--------------|---|--|
|              | Camarops polysperma                           |  |
|              | Camarops polysperma                           |  |
|              | Cantharellus ferruginascens                   |  |
|              | Cortinarius arcuatorum                        |  |
|              | Cortinarius caroviolaceus                     |  |
|              | Cortinarius elegantissimus                    |  |
|              | Cortinarius humicola                          |  |
|              | Cortinarius odoratus                          |  |
|              | Cortinarius odoratus  Cortinarius olearioides |  |
|              | Cortinarius orellanus                         |  |
|              |   |  |
|              | Cortinarius osmophorus                        |  |
|              | Cortinarius splendens                         |  |
|              | Cortinarius suaveolens                        |  |
|              | Cortinarius violaceus                         |  |
|              | Cortinarius vulpinus                          |  |
|              | Craterellus melanoxeros                       |  |
|              | Dendrocollybia racemosa                       |  |
|              | Entoloma dichroum                             |  |
|              | Entoloma indutoides                           |  |
|              | Flammulaster limulatus                        |  |
|              | Flammulaster muricatus                        |  |
|              | Fuscoporia torulosa                           |  |
|              | Ganoderma carnosum                            |  |
|              | Ganoderma carnosum                            |  |
|              | Hericium coralloides                          |  |
|              | Hericium coralloides                          |  |
|              | Hericium erinaceus                            |  |
|              | Hericium erinaceus                            |  |
|              | Hodophilus micaceus                           |  |
|              | Hodophilus micaceus                           |  |
|              | Hohenbuehelia mastrucata                      |  |
|              | Hohenbuehelia mastrucata                      |  |
|              | Hydnellum concrescens                         |  |
|              | Hydnellum scrobiculatum                       |  |
|              | Hydnellum spongiosipes                        |  |
|              | Hygrophorus arbustivus                        |  |
|              | Hygrophorus camarophyllus                     |  |
|              | Hygrophorus carpini                           |  |
|              | Hygrophorus cossus                            |  |
|              | Hygrophorus erubescens                        |  |
|              | Hygrophorus hedrychii                         |  |
|              | Hygrophorus lucorum                           |  |
|              | Hygrophorus nemoreus                          |  |
|              | Hygrophorus penarius                          |  |
|              | Hygrophorus persoonii                         |  |
|              | Lactarius mairei                              |  |
| Slate Bolete | Leccinum duriusculum                          |  |
| 2.2.0 201010 | Lentinellus ursinus                           |  |
|              | Lentinellus ursinus                           |  |
|              | Leucopaxillus gentianeus                      |  |
|              | Limacella ochraceolutea                       |  |
|              | Limacella ocimaceolulea                       |  |

|                           | Morchella esculenta         |                               |
|---------------------------|-----------------------------|-------------------------------|
|                           | Morchella vulgaris          |                               |
|                           | Mycoacia nothofagi          |                               |
|                           | Otidea integra              |                               |
|                           | Pappia fissilis             |                               |
| Golden-Gilled Bolete      | Phylloporus pelletieri      |                               |
|                           | Pogonoloma spinulosum       |                               |
|                           | Pogonoloma spinulosum       |                               |
|                           | Polyporus umbellatus        |                               |
|                           | Polyporus umbellatus        |                               |
| Dusky Bolete              | Porphyrellus porphyrosporus |                               |
| Cow-wheat Clustercup Rust | Puccinia nemoralis          |                               |
| ·                         | Ramaria botrytis            |                               |
|                           | Ramaria formosa             |                               |
|                           | Ramariopsis crocea          |                               |
|                           | Ramariopsis pulchella       |                               |
| Wrinkled Peach            | Rhodotus palmatus           | A particular of wet woodland. |
| Crimson Bolete            | Rubinoboletus rubinus       | A particular of wet weedland. |
| Bilious Bolete            | Rubroboletus legaliae       |                               |
| Devil's bolete            | Rubroboletus satanas        |                               |
|                           | Russula aurea               |                               |
|                           | Russula badia               |                               |
|                           | Russula cavipes             |                               |
|                           | Russula cuprea              |                               |
|                           | Russula lilacea             |                               |
|                           | Russula melzeri             |                               |
|                           | Russula rutila              |                               |
|                           | Russula tinctipes           |                               |
|                           | Russula viscida             |                               |
|                           | Sarcodon joeides            |                               |
|                           | Sarcodon joeides            |                               |
|                           | Sarcodon regalis            |                               |
|                           | Sarcodon regalis            |                               |
|                           | Sarcodontia crocea          |                               |
|                           | Sarcosphaera coronaria      |                               |
|                           | Squamanita paradoxa         |                               |
|                           | Squamanita paradoxa         |                               |
| Old Man Of The Woods      | Strobilomyces strobilaceus  |                               |
|                           | Trametes suaveolens         |                               |
|                           | Trametes suaveolens         |                               |
|                           | Tricholoma acerbum          |                               |
| Lichens                   | meneterna aberbani          |                               |
|                           | Bellicidia incompta         |                               |
|                           | Enterographa elaborata      |                               |
|                           | Lecanora sublivescens       |                               |
|                           | Lecanora sublivescens       |                               |
|                           | Phlyctis agelaea            |                               |
|                           | Physcia clementei           |                               |
|                           | Zwackhia prosodea           |                               |
| Mammals                   |                             |                               |
| Alcathoe Bat              | Myotis alcathoe             |                               |
| Beaver                    | Castor fiber                |                               |
|                           | 1                           |                               |

| Bechstein's Bat            | Myotis bechsteinii       |  |
|----------------------------|--------------------------|--|
| Brown Long-eared Bat       | Plecotus auritus         |  |
| Hazel Dormouse             | Muscardinus avellanarius |  |
| Leisler's Bat              | Nyctalus leisleri        |  |
| Noctule Bat                | Nyctalus noctula         |  |
| Serotine                   | Eptesicus serotinus      |  |
| Millipedes                 |                          |  |
| Boring Millipede           | Polyzonium germanicum    |  |
| Kentish Snake Millipede    | Metaiulus pratensis      |  |
| Molluscs                   |                          |  |
| Spotted Keeled Slug        | Tandonia rustica         |  |
| Moths                      |                          |  |
| Aspen Knot-horn            | Sciota hostilis          |  |
| Daisy Case-bearer          | Coleophora ramosella     |  |
| Drab Looper                | Minoa murinata           |  |
| Forester                   | Adscita statices         |  |
| Scarce Goldenrod Plume     | Hellinsia chrysocomae    |  |
| White-spotted Sable        | Anania funebris          |  |
| Spiders                    |                          |  |
|                            | Centromerus cavernarum   |  |
|                            | Pistius truncatus        |  |
|                            | Walckenaeria mitrata     |  |
| Vascular plants            |                          |  |
| Allseed                    | Linum radiola            |  |
| Bird's-nest Orchid         | Neottia nidus-avis       |  |
| Chaffweed                  | Lysimachia minima        |  |
| Copse-bindweed             | Fallopia dumetorum       | Chestnut coppice traditionally managed |
| Fly Orchid                 | Ophrys insectifera       |  |
| Greater Butterfly-orchid   | Platanthera chlorantha   |  |
| Ivy-leaved Bellflower      | Wahlenbergia hederacea   |  |
| Lady Orchid                | Orchis purpurea          | Requires gaps in woodland.             |
| Lesser Butterfly-orchid    | Platanthera bifolia      |  |
| Narrow-leaved Bitter-cress | Cardamine impatiens      |  |
| White Helleborine          | Cephalanthera damasonium |  |
| <u></u>                    |                          | 1                                      |

## Potential measures:

- Need to recognise that one size will not fit all with different plants needing different niches within the woodland.
- Might be useful to cluster species that need similar intervention?

| Habitat assemblage: Fen, marsh and swamp |                    |  |
|--|--------------------|--|
| Species Workshop comments                |                    | Workshop comments  |
| Mammals                                  |                    |  |
| Beaver                                   | Castor fiber       | Proposed priority  |
|  |                    | Beavers are recovering, but are a priority.                    |
|  |                    | East Kent population established, ecosystem engineers          |
| European Water Vole                      | Arvicola amphibius | Proposed priority  |
|  |                    | Should be a priority, and flagship species.                    |
|  |                    | There are pressures affecting them, smaller population density |
|  |                    | and declining.   |
|  |                    | Pressures from pollution, mink.                                |
|  |                    | Needs buffers and habitat.                                     |

| mphibians ommon Toad  Bufo bufo Prio whe reat-crested newt  Triturus cristatus Pro Gre pon Gre star loca Also eettes round beetle Augyles hispidulus atter beetle Aulacochthebius exaratus feevil Bagous nodulosus round beetle Bembidion coeruleum round beetle Dyschirius angustatus atter beetle Dyschirius angustatus feet beetle Dyschirius obscurus feet beetle Graphoderus cinereus feet beetle Graphoderus cinereus feet beetle Haliplus variegatus feet beetle Difficial feet beetle Alcedo atthis Dohard Aythya ferina Domonant Demonant Dem | shop comments  sed priority y for larger ponds and ponds within Kent Downs NL pond density is low. sed priority flagship for ponds and scrub habitats. Create new and restore existing ones. crested newt would be a good priority species for ing water. Easy to create breeding habitat, creates interest and good for whole range of other species. ood for flagship species. |
|--|--|
| reat-crested newt  Triturus cristatus  Pro Gre pon Gre star loca Also  pettles  round beetle Acupalpus maculatus ater beetle Augyles hispidulus ater beetle Aulacochthebius exaratus eevit Bagous nodulosus round beetle Bembidion coeruleum round beetle Bradycellus distinctus round beetle Dyschirius angustatus round beetle Dyschirius obscurus ater beetle Graphoderus cinereus ater beetle Gyrinus suffriani ater beetle Heterocerus fusculus ater beetle Limnebius crinifer irds normorant Phalacrocorax carbo spatula clypeata ormon Tern Sterna hirundo ragonfiles and damsetfiles sittliant Emerald Dragonfly Somatochlora metallica onling Ram's-horn Segmentina nitida ammals   | y for larger ponds and ponds within Kent Downs NI pond density is low.  sed priority flagship for ponds and scrub habitats. Create new and restore existing ones.  crested newt would be a good priority species for ing water. Easy to create breeding habitat, creates nterest and good for whole range of other species.  |
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| reat-crested newt  Triturus cristatus  Grepon Grestar loca Also  eetles  round beetle Acupalpus maculatus ater beetle Augyles hispidulus ater beetle Augyles maritimus ater beetle Aulacochthebius exaratus ater beetle Bagous nodulosus round beetle Bradycellus distinctus round beetle Dyschirius angustatus round beetle Dyschirius angustatus round beetle Graphoderus cinereus ater beetle Graphoderus cinereus ater beetle Graphoderus cinereus ater beetle Haliplus variegatus ater beetle Limnebius crinifer ater beetle Dyschard Aythya ferina Demorant Phalacrocorax carbo Spatula clypeata Demorant Tern Segmentina nitida  ammals   | flagship for ponds and scrub habitats. Create new and restore existing ones. crested newt would be a good priority species for ing water. Easy to create breeding habitat, creates nterest and good for whole range of other species.  |
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| star loca Also also also also also also also also a  | ing water. Easy to create breeding habitat, creates nterest and good for whole range of other species.   |
| eetles  round beetle   | nterest and good for whole range of other species.   |
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| round beetle Augyles hispidulus fater beetle Augyles maritimus fater beetle Augyles maritimus fater beetle Aulacochthebius exaratus feevil Bagous nodulosus fround beetle Found Found beetle Found Found beetle Found beetle Found  |  |
| later beetle Augyles hispidulus later beetle Augyles maritimus later beetle Aulacochthebius exaratus later beetle Aulacochthebius exaratus later beetle Bagous nodulosus Iround beetle Bagous nodulosus Iround beetle Bradycellus distinctus Iround beetle Dyschirius angustatus Iround beetle Dyschirius obscurus Iround beetle Dytiscus dimidiatus Iround beetle Graphoderus cinereus Iround beetle Gyrinus suffriani Iround beetle Iround Brainis Iround |  |
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| round beetle Bradycellus distinctus round beetle Dyschirius angustatus round beetle Dyschirius obscurus round beetle Dytiscus dimidiatus rater beetle Graphoderus cinereus rater beetle Gyrinus suffriani rater beetle Haliplus variegatus rater beetle Limnebius crinifer rater beetle Limnebius crinifer rater beetle Alcedo atthis rochard Aythya ferina roweler Spatula clypeata romon Tern Sterna hirundo ragonflies and damselflies rilliant Emerald Dragonfly Somatochlora metallica romals   |  |
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| dater beetle dater |  |
| dater beetle  Haliplus variegatus  Heterocerus fusculus  Limnebius crinifer  Irds  Ingfisher  Alcedo atthis  Inchard  Ormorant  Phalacrocorax carbo  Inoveler  Indian Sterna hirundo  Iragonflies and damselflies  Irilliant Emerald Dragonfly  Segmentina nitida  Indian Segmentina nitida  Indian Segmentina nitida  Indian Segmentina nitida  Indian Segmentina nitida  |  |
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| irds Ingfisher I |  |
| ngfisher  Alcedo atthis  Aythya ferina  Dermorant  Phalacrocorax carbo  Spatula clypeata  Dommon Tern  Sterna hirundo  ragonflies and damselflies  Filliant Emerald Dragonfly  Somatochlora metallica  Folluscs  Inining Ram's-horn  Segmentina nitida  Segmentina nitida  |  |
| ochard  Aythya ferina  Phalacrocorax carbo  Spatula clypeata  Sterna hirundo  ragonflies and damselflies  filliant Emerald Dragonfly  Somatochlora metallica  colluses  nining Ram's-horn  Segmentina nitida  ammals   |  |
| ormorant  Phalacrocorax carbo  Spatula clypeata  ommon Tern  Sterna hirundo  ragonflies and damselflies filliant Emerald Dragonfly  Somatochlora metallica  olluscs  nining Ram's-horn  Segmentina nitida  ammals  |  |
| noveler  Spatula clypeata  Sterna hirundo  ragonflies and damselflies  rilliant Emerald Dragonfly  Somatochlora metallica  colluscs  nining Ram's-horn  Segmentina nitida  ammals  |  |
| ommon Tern  Sterna hirundo  ragonflies and damselflies rilliant Emerald Dragonfly  Somatochlora metallica  olluscs nining Ram's-horn  Segmentina nitida  ammals  |  |
| ragonflies and damselflies rilliant Emerald Dragonfly Somatochlora metallica olluscs nining Ram's-horn Segmentina nitida ammals  |  |
| olluscs nining Ram's-horn Segmentina nitida ammals   |  |
| olluses nining Ram's-horn Segmentina nitida ammals   |  |
| nining Ram's-horn Segmentina nitida  ammals  |  |
| ammals   |  |
| <u> </u>   |  |
|  |  |
|  | sed priority   |
|  | ding water includes lowland ditches  |
|  | ns of creation of standing water.  |
| rown Long-eared Bat Plecotus auritus   | ns of creation of standing water.  |
| ascular plants   |  |
|  |  |
| ·  | at assemblage questioned - not restricted to   |
|  | at assemblage questioned - not restricted to<br>ing water, more damp grassland/fen – it's a wet  |
|  |  |
|  | ing water, more damp grassland/fen – it's a wet  |
| Thorled Water-milfoil Myriophyllum verticillatum   | ing water, more damp grassland/fen – it's a wet ow species – should be on the grassland habitat ablage?  seed priority   |

| Small Water-pepper     | Persicaria minor |  |
|------------------------|------------------|--|
| Tasteless Water-pepper | Persicaria mitis |  |

| Habitat assemblage: Ri   | unning water                   |   |  |
|--------------------------|--------------------------------|---|--|
| Species                  |                                | Workshop comments   |  |
| Beetles                  |                                |   |  |
| Weevil                   | Bagous nodulosus               |   |  |
| Water beetle             | Hydraena pulchella             |   |  |
| Water beetle             | Macronychus quadrituberculatus |   |  |
| Birds                    |                                |   |  |
| Kingfisher               | Alcedo atthis                  | Proposed priority   |  |
|                          |                                | Good priority – easily recognised.  |  |
| Crow Wagtail             | Motacilla cinerea              | Good for all water/riparian settings.   |  |
| Grey Wagtail             |                                |   |  |
| Cormorant                | Phalacrocorax carbo            |   |  |
| Common Tern              | Sterna hirundo                 |   |  |
| Caddisflies              | T                              |   |  |
| _                        | Tinodes pallidulus             |   |  |
| Crustacean               |                                |   |  |
| White clawed crayfish    | Austropotamobius pallipes      |   |  |
| Fish                     | A                              |   |  |
| European Eel             | Anguilla anguilla              | Proposed priority   |  |
|                          |                                | Good priority/flagship that will benefit if there is better connectivity of rivers to marine, and ditch |  |
|                          |                                | management.   |  |
| Brown Trout              | Salmo trutta                   | management  |  |
| Bullhead                 | Cottus gobio                   |   |  |
| Chub                     | Squalius cephalus              |   |  |
| Mammals                  |                                |   |  |
| European Water Vole      | Arvicola amphibius             | Applies to all riparian and ditch habitats.   |  |
| Beaver                   | Castor fiber                   |   |  |
| Leisler's Bat            | Nyctalus leisleri              |   |  |
| Noctule Bat              | Nyctalus noctula               |   |  |
| Brown Long-eared Bat     | Plecotus auritus               |   |  |
| Vascular plants          |                                |   |  |
| True Fox-sedge           | Carex vulpina                  |   |  |
| Opposite-leaved Pondweed | Groenlandia densa              |   |  |
| Whorled Water-milfoil    | Myriophyllum verticillatum     |   |  |

| Habitat assemblage: S      | and dunes and vegetate   | d shingle         |
|----------------------------|--------------------------|-------------------|
| Species                    |                          | Workshop comments |
| Amphibians                 |                          |                   |
| Natterjack Toad            | Epidalea calamita        |                   |
| Reptiles                   |                          |                   |
| Sand Lizard                | Lacerta agilis           |                   |
| Annelids                   |                          |                   |
| Medicinal leach            | Hirudo medicinalis       |                   |
| Grasshoppers, crickets a   | nd allies                |                   |
| Mottled Grasshopper        | Myrmeleotettix maculatus |                   |
| Moths                      |                          |                   |
| Forester                   | Adscita statices         |                   |
| Sussex Emerald             | Thalera fimbrialis       |                   |
| Beetles                    |                          |                   |
| Ground beetle              | Acupalpus maculatus      |                   |
| Ground beetle              | Amara infima             |                   |
| Ground beetle              | Amara spreta             |                   |
| Rove beetle                | Anotylus clypeonitens    |                   |
| Darkling beetle and allies | Anthicus bimaculatus     |                   |
| Darkling beetle and allies | Anthicus bimaculatus     |                   |
| Water beetle               | Augyles hispidulus       |                   |
| Water beetle               | Augyles maritimus        |                   |
| Ground beetle              | Bembidion coeruleum      |                   |
| Ground beetle              | Bembidion nigropiceum    |                   |
| Ground beetle              | Bembidion nigropiceum    |                   |
| Ground beetle              | Bradycellus distinctus   |                   |
| Dune Tiger Beetle          | Cicindela maritima       |                   |
| Soft-winged Flower beetle  | Clanoptilus marginellus  |                   |
| Pill beetle                | Curimopsis setigera      |                   |
| Pill beetle                | Curimopsis setigera      |                   |
| Larder beetle              | Dermestes undulatus      |                   |
| Larder beetle              | Dermestes undulatus      |                   |
| Leaf beetle                | Dibolia cynoglossi       |                   |
| Leaf beetle                | Dibolia cynoglossi       |                   |
| Ground beetle              | Dyschirius angustatus    |                   |
| Ground beetle              | Dyschirius angustatus    |                   |
| Ground beetle              | Dyschirius obscurus      |                   |
| Weevil                     | Ethelcus verrucatus      |                   |
| Weevil                     | Ethelcus verrucatus      |                   |
| Rove beetle                | Gabrius exiguus          |                   |
| Rove beetle                | Gabrius exiguus          |                   |
| Scarab beetle              | Geotrupes mutator        |                   |
| Ground beetle              | Harpalus servus          |                   |
| Ground beetle              | Harpalus servus          |                   |
| Water beetle               | Heterocerus fusculus     |                   |
| Kentish Clown              | Hister quadrimaculatus   | Proposed priority |
| East Coast Dune-walker     | Hypocaccus metallicus    | Proposed priority |
| Welsh Dune-walker          | Hypocaccus rugifrons     |                   |
| Rove beetle                | Ischnosoma longicorne    |                   |
| Rove beetle                | Ischnosoma longicorne    |                   |
| Weevil                     | Limobius mixtus          |                   |
| VVGEVIL                    | Limobius mixtus          |                   |

| Weevil               | Limobius mixtus          |                               |
|----------------------|--------------------------|-------------------------------|
| Click beetle         | Melanotus punctolineatus | Proposed priority             |
| Scarab beetle        | Melinopterus consputus   |                               |
| Ground beetle        | Omophron limbatum        |                               |
| Ground beetle        | Omophron limbatum        |                               |
| Ground beetle        | Ophonus cordatus         |                               |
| Ground beetle        | Ophonus parallelus       |                               |
| Ground beetle        | Ophonus puncticollis     |                               |
| Scarab beetle        | Psammodius asper         |                               |
| Scarab beetle        | Psammodius asper         |                               |
| Scarce Mirror Clown  | Saprinus immundus        |                               |
| Weevil               | Smicronyx coecus         |                               |
| Birds                |                          |                               |
| Little Ringed Plover | Charadrius dubius        | Habitat assemblage questioned |

| Little Ringed Plover | Charadrius dubius     | Habitat assemblage questioned |
|----------------------|-----------------------|-------------------------------|
| Oystercatcher        | Haematopus ostralegus |                               |
| Wheatear             | Oenanthe oenanthe     |                               |

- Tern species
- Ringed plovers
- Roosting waders
- Turnstone
- Dunlin
- Sanderling
- Grey plover

| H In Le                | Campanella caesia Hohenbuehelia culmicola nocybe vulpinella eucoagaricus barssii Horchella esculenta Horchella vulgaris |  |
|------------------------|---|--|
| In Le                  | nocybe vulpinella eucoagaricus barssii forchella esculenta forchella esculenta  |  |
| Le M M M M M O O       | eucoagaricus barssii<br>1orchella esculenta<br>1orchella esculenta  |  |
| M M M M O O            | Morchella esculenta Morchella esculenta   |  |
| M M M O                | 1orchella esculenta   |  |
| M<br>M<br>O            |   |  |
| M 0                    | 1orchella vulgaris  |  |
| 0                      |   |  |
|                        | 1orchella vulgaris  |  |
| inhama.                | Omphalina galericolor   |  |
| ichens.                |   |  |
| С                      | Cladonia mitis  |  |
| Ri                     | Rinodina aspersa  |  |
| Spiders                |   |  |
| A                      | postenus fuscus   |  |
| С                      | Clubiona frisia   |  |
| С                      | Clubiona pseudoneglecta   |  |
| leath Grasper H        | laplodrassus dalmatensis  |  |
| Ib                     | berina candida  |  |
| Lé                     | athys stigmatisata  |  |
| N                      | leon pictus   |  |
| Pe                     | Pellenes tripunctatus   |  |
| Pi                     | Phlegra fasciata  |  |
| Vhelk-shell Jumper Ps  | eseudeuophrys obsoleta  |  |
| Sand Running-spider Ri | Rhysodromus fallax  |  |
| Tr                     | richopterna cito  |  |
| rue bugs               |   |  |

|                            | Aphrodes duffieldi       |  |
|----------------------------|--------------------------|--|
| Large Dune Leafhopper      | Doratura impudica        |  |
| Greater Streaked Shieldbug | Odontoscelis fuliginosa  |  |
|                            | Pionosomus varius        |  |
|                            | Prostemma guttula        |  |
| Vascular plants            |                          |  |
| Green-winged Orchid        | Anacamptis morio         |  |
| Dodder                     | Cuscuta epithymum        |  |
| Hound's-tongue             | Cynoglossum officinale   |  |
| Hound's-tongue             | Cynoglossum officinale   |  |
| Deptford Pink              | Dianthus armeria         | Habitat assemblage questioned – arable edge?                       |
| Lizard Orchid              | Himantoglossum hircinum  |  |
| Smooth Cat's-ear           | Hypochaeris glabra       |  |
| Smooth Cat's-ear           | Hypochaeris glabra       |  |
| Bur Medick                 | Medicago minima          |  |
| Bedstraw Broomrape         | Orobanche caryophyllacea |  |
| Saltwort                   | Salsola kali             |  |
| Saltwort                   | Salsola kali             |  |
| Sand Catchfly              | Silene conica            |  |
| Nottingham Catchfly        | Silene nutans            | A great plant for moths – a good flagship plant for shingle.       |
| Shepherd's Cress           | Teesdalia nudicaulis     |  |
| Yellow-vetch               | Vicia lutea              |  |
| Heath Dog-violet           | Viola canina             | Habitat assemblage questioned – more of an acid grassland species. |
| Suggested additions:       | •                        |  |

Marsh hellebore (suggested twice)

| Species                           |                         | Workshop comments                                   |  |
|-----------------------------------|-------------------------|---|--|
| Beetles                           |                         |   |  |
| Weevil                            | Hypera pastinacae       |   |  |
| Leaf beetle                       | Longitarsus aeruginosus |   |  |
| Ground beetle                     | Ophonus cordatus        |   |  |
| Mellet's Downy-back ground beetle | Ophonus melletii        | Proposed priority Needs bare ground                 |  |
| Ground beetle                     | Ophonus parallelus      |   |  |
| Ground beetle                     | Ophonus puncticollis    |   |  |
| Moths                             |                         |   |  |
| Fisher's Estuarine Moth           | Gortyna borellii        | Proposed priority Needs Hogs fennel as a food plant |  |
| Spiders                           |                         |   |  |
|                                   | Zodarion vicinum        |   |  |
| Birds                             |                         |   |  |
| Peregrine                         | Falco peregrinus        |   |  |
| Sand Martin                       | Riparia riparia         | Proposed priority Protection of nesting sites       |  |
|                                   | Puccinia bupleuri       |   |  |
|                                   | Puccinia rugulosa       |   |  |
| Vascular plants                   |                         |   |  |
| Oxtongue Broomrape                | Orobanche picridis      |   |  |
| Shaggy Mouse-ear-hawkweed         | Pilosella peleteriana   |   |  |
| Nottingham Catchfly               | Silene nutans           |   |  |
|                                   |                         | II.   |  |

| Habitat assemblage: Li             | ttoral habitats                |  |  |
|------------------------------------|--------------------------------|--|--|
| Species                            |                                | Workshop comments  |  |
| Annelids                           |                                |  |  |
| Tentacled lagoon worm              | Alkmaria romijni               | Proposed priority (ticked twice)                               |  |
| Bees, Wasps and Ants               |                                |  |  |
| Sea Aster Bee                      | Colletes halophilus            | Proposed priority Flagship species                             |  |
| Suggestion additions:              |                                |  |  |
|                                    | e added – wasp solitary bees a | nd ants for burying landscapes.                                |  |
| Beetles                            |                                |  |  |
| Ant-like Flower beetle             | Cyclodinus salinus             |  |  |
| Darkling beetle and allies         | Mordellistena nanuloides       |  |  |
| Ground beetle                      | Badister meridionalis          |  |  |
| Leaf beetle                        | Longitarsus absynthii          |  |  |
| Rove beetle                        | Ochthephilum jacquelinii       |  |  |
| Soft-winged Flower beetle Weevil   | Clanoptilus strangulatus       |  |  |
| Weevil                             | Bagous argillaceus             |  |  |
| Birds                              | Cosmobaris scolopacea          |  |  |
| Avocet                             | Recurvirostra avosetta         | Proposed priority  |  |
| Black-headed Gull                  | Chroicocephalus ridibundus     | Proposed priority  |  |
| Black-tailed Godwit                | Limosa limosa                  | Proposed priority  |  |
| Brent Goose                        | Branta bernicla                | Proposed priority  |  |
| Bronk Goods                        |                                | Wintering  |  |
| Common Tern                        | Sterna hirundo                 | Breeds on saltmarsh islands                                    |  |
| Lapwing                            | Vanellus vanellus              | Winter only  |  |
| Little Ringed Plover               | Charadrius dubius              | Habitat assemblage questioned                                  |  |
| Little Tern                        | Sternula albifrons             | Proposed priority  |  |
| Mediterranean Gull                 | Ichthyaetus melanocephalus     | Proposed not a priority  |  |
|                                    |                                | Not on shortlist   |  |
| Oystercatcher                      | Haematopus ostralegus          | Proposed priority  |  |
| Pochard                            | Aythya ferina                  | Breeds on shell beaches and wintering  Proposed not a priority |  |
| Toonara                            | / yanya torma                  | Freshwater habitats  |  |
| Redshank                           | Tringa totanus                 | Proposed priority  |  |
| Ringed Plover                      | Charadrius hiaticula           | Proposed priority  |  |
|                                    |                                | Breeds on shell beaches  |  |
| Sandwich Tern                      | Sterna sandvicensis            | Breeds on saltmarsh islands                                    |  |
| Shelduck                           | Tadorna tadorna                | Proposed not a priority  |  |
| Clare de la la                     | Constitute along a sta         | Not on shortlist   |  |
| Shoveler                           | Spatula clypeata               | Winter only  |  |
| Spiders Yellow-striped Bear-spider | Arctosa fulvolineata           |  |  |
| Duffey's Bell-head Spider          | Praestigia duffeyi             |  |  |
| True bugs                          | , racongra durityr             |  |  |
| Sea-wormwood Leafhopper            | Chlorita viridula              |  |  |
|                                    | Henestaris halophilus          |  |  |
|                                    | Orthotylus rubidus             |  |  |
| Vascular plants                    | . ,                            |  |  |
| Least Lettuce                      | Lactuca saligna                |  |  |
| Borrer's Saltmarsh-grass           | Puccinellia fasciculata        |  |  |
| Spiral Tasselweed                  | Ruppia cirrhosa                |  |  |
| Small Cord-grass                   | Spartina maritima              |  |  |
|                                    | 1                              | L  |  |

| Habitat assemblage: Built up areas and grassland |  |                   |
|--|--|-------------------|
| Species Workshop comments                        |  | Workshop comments |
| Amphibians                                       |  |                   |
| Common Toad Bufo bufo                            |  |                   |
|  |  |                   |

• Common Frog – populations increasingly dependent on urban areas and not found commonly in wider countryside.

| Bees, Wasps and Ants       |                        |  |
|----------------------------|------------------------|--|
| Moss Carder Bee            | Bombus muscorum        | Proposed priority (ticked twice).                  |
|                            |                        | Assemblage questioned – no, in coastal/damp grass. |
| Red-shanked Carder Bee     | Bombus ruderarius      | Proposed priority (ticked twice).                  |
| Shrill Carder Bee          | Bombus sylvarum        | Proposed priority (ticked twice).                  |
|                            |                        | For brownfield sites and S41 bumblebees.           |
| Beetles                    |                        |  |
| Darkling beetle and allies | Anthicus bimaculatus   |  |
| Scarab beetle              | Labarrus lividus       |  |
| Scarab beetle              | Melinopterus consputus |  |
| Scarab beetle              | Plagiogonus arenarius  |  |
| Birds                      |                        |  |
| Swift                      | Apus apus              | Proposed priority                                  |
| House Martin               | Delichon urbicum       | Proposed priority                                  |
| Peregrine                  | Falco peregrinus       | Proposed not a priority species.                   |
| Swallow                    | Hirundo rustica        | Proposed priority                                  |
|                            |                        | Proposed not a priority species.                   |
| Starling                   | Sturnus vulgaris       | Red listed.  |
| Barn Owl                   | Tyto alba              | Need more owl boxes.                               |

- House Sparrow (red listed).
- Bullfinches.
- Nightingales (large villages/small towns with green spaces i.e. Tenterden have/have had nightingales recorded recently).

| 100011113/1            |                          |                                |
|------------------------|--------------------------|--------------------------------|
| Grasshoppers, crickets | and allies               |                                |
| Mottled Grasshopper    | Myrmeleotettix maculatus |                                |
| Spiders                |                          |                                |
| Distinguished Jumper   | Attulus distinguendus    |                                |
| Lichens                |                          |                                |
|                        | Cyphelium notarisii      |                                |
|                        | Physcia clementei        |                                |
|                        | Zwackhia prosodea        |                                |
| Mammals                |                          |                                |
| Serotine               | Eptesicus serotinus      |                                |
| West European Hedgehog | Erinaceus europaeus      | Proposed priority              |
| Brown Hare             | Lepus europaeus          |                                |
| Hazel Dormouse         | Muscardinus avellanarius | Habitat assemblage questioned. |
| Leisler's Bat          | Nyctalus leisleri        |                                |
| Noctule Bat            | Nyctalus noctula         |                                |
| Brown Long-eared Bat   | Plecotus auritus         |                                |
| Vascular plants        |                          |                                |
| Wall Bedstraw          | Galium parisiense        |                                |
| Wall Bedstraw          | Galium parisiense        |                                |
| Lizard Orchid          | Himantoglossum hircinum  |                                |
| Yellow Vetchling       | Lathyrus aphaca          |                                |
| Fine-leaved Sandwort   | Sabulina tenuifolia      |                                |
| Others                 |                          |                                |
|                        |                          |                                |

- Where are reptiles adder?
- Include slow worms (ticked three times).

| Species  |        |
|--|--------|
| Common Toad  Bufo bufo  Useful in farming as they eat slugs and snails  Triturus cristata  Reptile  Adder  Vipera berus  Bees, Wasps and Ants  Moss Carder Bee  Bombus muscorum  Assemblage questioned. Also salt marshes, coastal areas, open landscapes  Red-shanked Carder Bee  Bombus ruderarius  Also coastal, chalk and neutral grassland  Shrill Carder Bee  Bombus sylvarum  Proposed priority (ticked twice). Also unimproved grassland  Beetles  Noble Chafer  Gnorimus nobilis  Proposed priority Also Traditional orchard – larvae live in old rotting fruit to Not in the books!  Weevil  Omphalapion beuthini  Very little info out there about this beetle. |        |
| Common Toad  Bufo bufo  Useful in farming as they eat slugs and snails  Triturus cristata  Reptile  Adder  Vipera berus  Bees, Wasps and Ants  Moss Carder Bee  Bombus muscorum  Assemblage questioned. Also salt marshes, coastal areas, open landscapes  Red-shanked Carder Bee  Bombus ruderarius  Also coastal, chalk and neutral grassland  Shrill Carder Bee  Bombus sylvarum  Proposed priority (ticked twice). Also unimproved grassland  Beetles  Noble Chafer  Gnorimus nobilis  Proposed priority Also Traditional orchard – larvae live in old rotting fruit to Not in the books!  Weevil  Omphalapion beuthini  Very little info out there about this beetle. |        |
| Reptile  |        |
| Bees, Wasps and Ants  Moss Carder Bee  Bombus muscorum Assemblage questioned. Also salt marshes, coastal areas, open landscapes  Proposed priority (ticked twice). Also coastal, chalk and neutral grassland  Shrill Carder Bee Bombus sylvarum Proposed priority (ticked twice). Also unimproved grassland  Beetles  Noble Chafer Gnorimus nobilis Proposed priority Also Traditional orchard – larvae live in old rotting fruit to Not in the books!  Weevil Omphalapion beuthini Very little info out there about this beetle.  |        |
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| Shrill Carder Bee  Bombus sylvarum Proposed priority (ticked twice). Also unimproved grassland  Beetles  Noble Chafer Gnorimus nobilis Proposed priority Also Traditional orchard – larvae live in old rotting fruit to Not in the books!  Weevil Omphalapion beuthini Very little info out there about this beetle.   |        |
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| Beetles  Noble Chafer  Gnorimus nobilis  Also unimproved grassland  Proposed priority  Also Traditional orchard – larvae live in old rotting fruit to Not in the books!  Weevil  Omphalapion beuthini  Very little info out there about this beetle.   |        |
| Noble Chafer  Gnorimus nobilis  Proposed priority  Also Traditional orchard – larvae live in old rotting fruit to Not in the books!  Weevil  Omphalapion beuthini  Very little info out there about this beetle.   |        |
| Also Traditional orchard – larvae live in old rotting fruit to Not in the books!  Weevil Omphalapion beuthini Very little info out there about this beetle.  |        |
| Weevil     Not in the books!       Very little info out there about this beetle.   |        |
| Weevil Omphalapion beuthini Very little info out there about this beetle.  | rees.  |
| , , ,  |        |
| Birds  |        |
|  |        |
| Brent Goose Branta bernicla Coastal, arable/grass – depends what the crop is.  |        |
| Marsh Harrier Circus aeruginosus Coastal, arable with fleets/reeds.  |        |
| Lesser Spotted Woodpecker   Dryobates minor   Habitat assemblage questioned twice. In response - le  | ave –  |
| we have woodland adjacent hay meadows with this spe  | ecies. |
| Woodland species.  |        |
| Corn Bunting Emberiza calandra Proposed priority   |        |
| Need dense crop, which can be incentivised on arable   | arms.  |
| Ground nesters may be susceptible to new precision fa  | rming  |
| techniques, i.e. hoeing, but this kind of farming is savin   | g use  |
| of herbicides.   |        |
| Yellowhammer Emberiza citrinella Proposed priority   |        |
| Also woodland edges and overgrown hedge lines.   |        |
| Linnet Linaria cannabina Proposed priority   |        |
| Yellow Wagtail Motacilla flava Proposed priority   |        |
| Tree Sparrow Passer montanus Proposed priority   |        |
| Also urban environment   |        |
| Turtle Dove Streptopelia turtur Priority.  |        |
| Also open mosaic and accents water, overgrown hedge  | s and  |
| seed spills.   |        |
| Starling Sturnus vulgaris Proposed priority  |        |
| Also urban environments  |        |
| Barn Owl Tyto alba Proposed priority   |        |
| Nest sites? Field margins and long grass for hunting   |        |
| Lapwing Vanellus vanellus Proposed priority  |        |
| Nesting space in arable fields   |        |

- Swallow
- Grasshopper warbler
- Tawny owl (indicator species wood/meadow?)
- Swifts and martins feeding before migration over meadows.
- Skylark (protect their habitats)
- Grey partridge
- Golder plover (roosts on arable fields in autumn/winter)

#### Fungi

|                        | Pappia fissilis     |  |
|------------------------|---------------------|--|
|                        | Sarcodontia crocea  |  |
| Mammals                |                     |  |
| Serotine               | Eptesicus serotinus |  |
| West European Hedgehog | Erinaceus europaeus | Hedge boundaries.  |
|                        |                     | Hedgehogs are difficult to look after in an arable setting due |
|                        |                     | to openness and badgers.                                       |
|                        |                     | Would like to see more as useful eating slugs and snails in    |
|                        |                     | integrated pest management                                     |
| Brown Hare             | Lepus europaeus     | Rabbit proof fencing.  |
| Leisler's Bat          | Nyctalus leisleri   | Farm insecticide use.  |
| Noctule Bat            | Nyctalus noctula    | Farm insecticide use.  |
|                        |                     | Tree dweller.  |
| Brown Long-eared Bat   | Plecotus auritus    |  |

- Barbastrelle foraging hedge corridor.
- Harvest mouse (suggested twice) is the population stable?
- Daubentons (corridor)

| Vascular plants |                   |  |
|-----------------|-------------------|--|
| Pheasant's-eye  | Adonis annua      |  |
| Ground-pine     | Ajuga chamaepitys |  |
| Mousetail       | Myosurus minimus  |  |
| Corn Spurrey    | Spergula arvensis |  |
| Wild Pansy      | Viola tricolor    |  |

## Other

#### **Suggested additions:**

• Where are the butterflies? Marsh Mallow Moth – farm margins and ditches.

#### Other comments

- Lesley Mason: Open mosaic habitats should have more emphasis in strategy so important for invertebrates etc. otherwise this won't show up in mapping and in planning and will get lost within grey infrastructure.
- Open mosaic habitat Priority Habs not all on MAGIC
- Need better map and those brownfields that fall just below criteria too and need measures to protect sites like Betteshanger which benefit multiple species.