

## The Statutory Biodiversity Metric -Technical Annex 1: Condition Assessment Sheets and Methodology

November 2023

### Instructions

The method for assessing habitat condition is split into three main steps, all of which are outlined in detail below:

**STEP 1: Considerations before assessing condition**

**STEP 2: Choosing the right condition sheet**

**STEP 3: Using condition sheets**

#### Step 1: Considerations before assessing condition

The following points must be considered **before** undertaking a condition assessment:

- Condition assessments must be undertaken by a competent person (hereafter referred to as assessors), as defined in the Statutory Biodiversity Metric User Guide. They should be undertaken at the optimum time of year for the assessed habitat(s).
- Assessors must have access to condition sheets (see **Tabs 1-25**) and the survey cover sheet during the survey (see **SURVEY COVER SHEET** tab). These may be either digital or hard copies.
- The habitat type of the parcel(s) to be assessed must be determined before consideration can be given to its condition as this enables the assessor to select the correct condition sheet (see **HABITAT DEFINITIONS** tab). Most (but not all) biodiversity metric terrestrial habitat types are equivalent to Level 4 in UKHab, therefore some metric habitats encompass UKHab Level 5 sub-divisions. When classifying a habitat, the assessor should classify and record it to the most accurate and appropriate level. Although a Level 5, or equivalent habitat may need converting to a metric habitat type when using the metric, when assessing its condition the most accurate description should be used. Using professional judgement, this may include the Level 5 UKHab description as well as the Level 4 description, depending on the habitat type.
- The location and extent of the habitat parcel(s) to be assessed must be mapped, either on digital or paper maps. Following condition assessment, mapped habitat parcels should be split according to their condition.
- Each habitat parcel to be assessed must be assigned a unique reference ID.

#### Step 2: Choosing the right condition sheet

See **SELECTING CONDITION SHEET** tab which lists the habitat types found in the biodiversity metric and indicates which condition sheet should be used for each habitat type. Some condition sheets are unique to a single habitat type; others cover a range of habitat types within the same broad habitat category.

**How to use:** locate the relevant habitat type in the first column (Habitat type), then refer to the second column (Condition sheet) to determine which habitat condition sheet should be used to assess that particular habitat type. The third and fourth columns (Link to sheet) contain links which can be clicked on to navigate directly to the required condition sheet, for ease of navigation. Please note the following important points:

- Some habitats are allocated a fixed condition score in the biodiversity metric and do not require a condition assessment for the metric to be completed. For certain low and medium distinctiveness habitats there is a fixed option in the metric - '*Condition Assessment N/A*'; for very low distinctiveness habitats the fixed option is '*N/A - Other*'.
- Habitat descriptions in **bold** are Priority Habitats.

#### Step 3: Using condition sheets (Tabs 1-25)

The following instructions and points of clarification apply to most condition assessment sheets:

- Only choose one condition sheet per habitat type. Once the condition sheet has been chosen, the condition assessment can be carried out on relevant sheets A or B, which are the same except that for A - information for one habitat parcel can be recorded, whereas for B - information for up to 10 habitat parcels can be recorded. Each condition sheet is set to print at A4 and can be used as a paper form.
- Assess the habitat parcel against each condition assessment criterion, recording a 'pass' or 'fail' for each criterion assessed, unless otherwise directed by categories available on the sheet.
- If a habitat parcel is failing all criteria, it may be that the habitat type has been recorded incorrectly and the wrong condition sheet is being used. Assessors should refer to the habitat description links at the top of the condition sheet to ensure that the habitat type is correctly identified.
- If condition varies within a parcel during the assessment then start a new condition assessment. Split the original parcel to ensure that each individual parcel comprises an area of habitat of a consistent type and condition.
- Some condition assessment sheets have 'essential' criteria. Essential criteria must be passed to achieve a particular condition state.
- Some condition assessment sheets list species that are indicative of suboptimal condition status. These lists are not exhaustive. An assessor may exercise professional judgement and consider additional species within this category, such as those of geographical relevance. Report any high-risk non-native invasive species to the: [GB non-native species secretariat](#)
- Any relevant evidence for passing or failing criteria, or for a particular score, should be captured within the habitat survey notes and or by taking photographs. Photographs and notes should be referenced on the condition sheet.
- Record any survey limitations on the condition sheet, such as access restrictions or timing restrictions. If survey limitations prevent any criteria from being confidently and accurately assessed, adopt a precautionary approach when passing or failing criteria. Ensure any constraints are made clear in the 'Assessor's comments' box in the metric and associated reporting:
  - If a definitive pass or fail cannot be assigned through baseline survey, assume the criterion is passed.
  - When monitoring post-intervention habitat, fail criteria which cannot be assessed due to survey limitations.
- Once all applicable condition criteria have been assessed, assign a result of Good, Moderate or Poor condition following instructions provided within the relevant condition sheet.
  - The 'Fairly Good' or 'Fairly Poor' condition categories are intermediate categories for site-specific features of condition not captured in the standard condition assessment. They should only be applied through application of professional judgement, and sound ecological evidence must be provided to justify the use of these categories. If used, these categories can only be used to adjust the results of a standard metric condition assessment one condition category above or below its result. For example, you cannot go from a standard outcome of 'Poor' to an adjustment to 'Fairly Good' (nor from 'Good' to 'Fairly Poor').

The condition assessment survey is a good opportunity to identify any potential opportunities for habitat restoration or enhancement. Note potential opportunities for these within the condition sheet.

The **CA SUMMARY SHEET** can be filled out after the survey to summarise information about the condition assessments, including:

- The site or location of the condition assessment survey
- The number of condition sheets used
- The number and type of habitat parcels surveyed and the condition they achieved

### Notes on Using Condition Sheets

Additional habitat-specific instructions for non-standard condition assessment sheets are provided below:

#### Using the 'Woodland' condition sheet

The Woodland condition sheet has been adapted from the 'Woodland Condition Survey' developed by the England Woodland Biodiversity Group (EWBG). All supplementary information needed to complete a Woodland condition assessment for the purpose of the biodiversity metric is provided or referenced within the Woodland condition sheet.

Instead of allocating a pass or fail to each criterion, each of the criteria within the woodland condition sheets are allocated a score. These scores are summed, and the total sum is used to assign a final condition score.

#### Using the 'Lakes' condition sheet

The Freshwater Biological Association's 'Habitat Naturalness Assessment' (HNA) is used to assess the condition of a lake. All supplementary information needed to complete a HNA is provided within the Lake condition sheet.

The average of the HNA scores is used to assign a final condition score.

#### Using the 'Coastal' and 'Intertidal' habitat condition sheets

For most coastal and intertidal habitats, instead of allocating a 'pass' or 'fail' to each criterion, each of the criteria within the condition sheets are allocated a score. These scores are summed, and the total sum is used to assign a final condition score.

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat     | Classification where definition derived | Habitat name in source classification    | Other definition or notes                                                                                              |
|---------------------------------------------|-------------------------------------------|-----------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Cropland                                    | Arable field margins cultivated annually  | UKHab                                   | Arable field margins cultivated annually | None                                                                                                                   |
|                                             | <i>Arable field margins game bird mix</i> | UKHab                                   | Arable field margins wild bird mix       | The metric habitat type differs from the UKHab name.                                                                   |
|                                             | Arable field margins pollen and nectar    | UKHab                                   | Arable field margins pollen and nectar   | None                                                                                                                   |
|                                             | Arable field margins tussocky             | UKHab                                   | Arable field margins tussocky            | None                                                                                                                   |
|                                             | Cereal crops                              | UKHab                                   | Cereal crops                             | None                                                                                                                   |
|                                             | Winter stubble                            | UKHab                                   | Winter stubble                           | None                                                                                                                   |
|                                             | Horticulture                              | UKHab                                   | Horticulture                             | None                                                                                                                   |
|                                             | Intensive orchards                        | UKHab                                   | Intensive orchards                       | None                                                                                                                   |
|                                             | Non-cereal crops                          | UKHab                                   | Non-cereal crops                         | None                                                                                                                   |
|                                             | Temporary grass and clover leys           | UKHab                                   | Temporary grass and clover leys          | None                                                                                                                   |
| Grassland                                   | Traditional orchards                      | UKHab                                   | Traditional orchards                     | None                                                                                                                   |
|                                             | Bracken                                   | UKHab                                   | Bracken                                  | None                                                                                                                   |
|                                             | <b>Floodplain wetland mosaic and CFGM</b> | UKHab                                   | Floodplain wetland mosaic                | The metric habitat type differs from the UKHab name.<br>Use as defined in the Statutory Biodiversity Metric User Guide |
|                                             | Lowland calcareous grassland              | UKHab                                   | Lowland calcareous grassland             | None                                                                                                                   |
|                                             | Lowland dry acid grassland                | UKHab                                   | Lowland dry acid grassland               | None                                                                                                                   |
|                                             | Lowland meadows                           | UKHab                                   | Lowland meadows                          | None                                                                                                                   |
|                                             | Modified grassland                        | UKHab                                   | Modified grassland                       | None                                                                                                                   |
|                                             | Other lowland acid grassland              | UKHab                                   | Other lowland acid grassland             | None                                                                                                                   |
|                                             | Other neutral grassland                   | UKHab                                   | Other neutral grassland                  | None                                                                                                                   |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat          | Classification where definition derived   | Habitat name in source classification          | Other definition or notes                                                       |
|---------------------------------------------|------------------------------------------------|-------------------------------------------|------------------------------------------------|---------------------------------------------------------------------------------|
|                                             | Tall herb communities (H6430)                  | Use Habitats Directive Annex 1 definition | Tall herb communities (H6430)                  | None                                                                            |
|                                             | Upland acid grassland                          | UKHab                                     | Upland acid grassland                          | None                                                                            |
|                                             | Upland calcareous grassland                    | UKHab                                     | Upland calcareous grassland                    | None                                                                            |
|                                             | Upland hay meadows                             | UKHab                                     | Upland hay meadows                             | None                                                                            |
| Heathland and shrub                         | Blackthorn scrub                               | UKHab                                     | Blackthorn scrub                               | None                                                                            |
|                                             | Bramble scrub                                  | UKHab                                     | Bramble scrub                                  | None                                                                            |
|                                             | Gorse scrub                                    | UKHab                                     | Gorse scrub                                    | None                                                                            |
|                                             | Hawthorn scrub                                 | UKHab                                     | Hawthorn scrub                                 | None                                                                            |
|                                             | Hazel scrub                                    | UKHab                                     | Hazel scrub                                    | None                                                                            |
|                                             | Lowland heathland                              | UKHab                                     | Lowland heathland                              | None                                                                            |
|                                             | Mixed scrub                                    | UKHab                                     | Mixed scrub                                    | None                                                                            |
|                                             | Mountain heaths and willow scrub               | UKHab                                     | Mountain heaths and willow scrub               | None                                                                            |
|                                             | Rhododendron scrub                             | UKHab                                     | Rhododendron scrub                             | None                                                                            |
|                                             | Willow scrub                                   | UKHab                                     | Willow scrub                                   | None                                                                            |
|                                             | Dunes with sea buckthorn (H2160)               | Habitats Directive Annex 1                | Dunes with sea buckthorn (H2160)               | All other sea buckthorn scrub should be recorded as 'Other sea buckthorn scrub' |
|                                             | Other sea buckthorn scrub                      | UKHab                                     | Other sea buckthorn scrub                      | None                                                                            |
|                                             | Upland heathland                               | UKHab                                     | Upland heathland                               | None                                                                            |
| Individual tree                             | <b>Rural tree</b>                              | Metric-specific                           | N/A                                            |                                                                                 |
|                                             | <b>Urban tree</b>                              | Metric-specific                           | N/A                                            |                                                                                 |
| Lakes                                       | Aquifer fed naturally fluctuating water bodies | UKHab                                     | Aquifer fed naturally fluctuating water bodies | None                                                                            |
|                                             | Ornamental lake or pond                        | UKHab                                     | Ornamental lakes or ponds                      | ≤ 2ha                                                                           |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat          | Classification where definition derived        | Habitat name in source classification  | Other definition or notes                                                                                                                                                        |
|---------------------------------------------|------------------------------------------------|------------------------------------------------|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                             | High alkalinity lakes                          | Water Framework Directive (WFD) Lakes typology | N/A                                    | ≥ 2ha                                                                                                                                                                            |
|                                             | Low alkalinity lakes                           | WFD Lakes typology                             | N/A                                    | ≥ 2ha                                                                                                                                                                            |
|                                             | Marl lakes                                     | WFD Lakes typology                             | N/A                                    | ≥ 2ha                                                                                                                                                                            |
|                                             | Moderate alkalinity lakes                      | WFD Lakes typology                             | N/A                                    | ≥ 2ha                                                                                                                                                                            |
|                                             | Peat lakes                                     | WFD Lakes typology                             | N/A                                    | ≥ 2ha                                                                                                                                                                            |
|                                             | Ponds (priority habitat)                       | UKHab                                          | Ponds (priority habitat)               | ≤ 2ha                                                                                                                                                                            |
|                                             | <i>Ponds (non-priority habitat)</i>            | UKHab                                          | Pond (non-priority)                    | The metric habitat type differs from the UKHab name.                                                                                                                             |
|                                             | Reservoirs                                     | UKHab/WFD Lakes typology*                      | Reservoir                              | *Some larger reservoirs are covered by the WFD Lakes typology.                                                                                                                   |
|                                             | <i>Temporary lakes ponds and pools (H3170)</i> | UKHab*                                         | Mediterranean temporary ponds (H3170)  | The metric habitat type differs from the UKHab name.<br>*All temporary water bodies not meeting this definition should be recorded as the appropriate pond or lake habitat type. |
| Sparsely vegetated land                     | Calaminarian grasslands                        | UKHab                                          | Calaminarian grasslands                | None                                                                                                                                                                             |
|                                             | <i>Coastal sand dunes</i>                      | UKHab                                          | Sand dunes                             | The metric habitat type differs from the UKHab name.                                                                                                                             |
|                                             | Coastal vegetated shingle                      | UKHab                                          | Coastal vegetated shingle              | None                                                                                                                                                                             |
|                                             | <i>Ruderal/Ephemeral</i>                       | UKHab                                          | Ruderal or ephemeral                   | The metric habitat type differs from the UKHab name                                                                                                                              |
|                                             | Tall forbs                                     | UKHab                                          | Tall forbs                             | None                                                                                                                                                                             |
|                                             | Inland rock outcrop and scree habitats         | UKHab                                          | Inland rock outcrop and scree habitats | None                                                                                                                                                                             |
|                                             | Limestone pavement                             | UKHab                                          | Limestone pavement                     | None                                                                                                                                                                             |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat                    | Classification where definition derived | Habitat name in source classification             | Other definition or notes                                                                                                    |
|---------------------------------------------|----------------------------------------------------------|-----------------------------------------|---------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
|                                             | Maritime cliff and slopes                                | UKHab                                   | Maritime cliff and slopes                         | None                                                                                                                         |
|                                             | <i>Other inland rock and scree</i>                       | UKHab                                   | Other inland rock                                 | The metric habitat type differs from the UKHab name                                                                          |
| Urban                                       | Allotments                                               | UKHab                                   | Allotments                                        | None                                                                                                                         |
|                                             | Artificial unvegetated, unsealed surface                 | UKHab                                   | Artificial unvegetated, unsealed surface          | None                                                                                                                         |
|                                             | Bioswale                                                 | UKHab                                   | Bioswale                                          | None                                                                                                                         |
|                                             | Biodiverse green roof                                    | UKHab                                   | Biodiverse green roof                             | None                                                                                                                         |
|                                             | Built linear features                                    | UKHab                                   | Built linear features                             | None                                                                                                                         |
|                                             | Cemeteries and churchyards                               | UKHab                                   | Cemeteries and churchyards                        | None                                                                                                                         |
|                                             | Developed land; sealed surface                           | UKHab                                   | Developed land; sealed surface                    | None                                                                                                                         |
|                                             | Biodiverse green roof                                    | UKHab                                   | Biodiverse green roof                             | None                                                                                                                         |
|                                             | Facade-bound green wall                                  | UKHab                                   | Facade-bound green wall                           | None                                                                                                                         |
|                                             | <i>Ground based green wall</i>                           | UKHab                                   | Ground-based green wall                           | None                                                                                                                         |
|                                             | Ground level planters                                    | UKHab                                   | Ground level planters                             | None                                                                                                                         |
|                                             | Intensive green roof                                     | UKHab                                   | Intensive green roof                              | None                                                                                                                         |
|                                             | Introduced shrub                                         | UKHab                                   | Introduced shrub                                  | None                                                                                                                         |
|                                             | Open mosaic habitats on previously developed land        | UKHab                                   | Open mosaic habitats on previously developed land | None                                                                                                                         |
|                                             | Other green roof                                         | UKHab                                   | Other green roof                                  | None                                                                                                                         |
|                                             | Rain garden                                              | UKHab                                   | Rain garden                                       | None                                                                                                                         |
|                                             | <i>Actively worked sand pit quarry or open cast mine</i> | UKHab                                   | Active sand pit or quarry or open cast mine       | The metric habitat type differs from the UKHab name.<br><br>This classification relates to non-vegetated working areas only. |
|                                             | Sustainable drainage system (SuDS)                       | UKHab                                   | Sustainable drainage system                       | None                                                                                                                         |
|                                             | Unvegetated garden                                       | UKHab                                   | Unvegetated garden                                | None                                                                                                                         |
|                                             | Vacant or derelict land                                  | UKHab                                   | Vacant or derelict land                           | None                                                                                                                         |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat            | Classification where definition derived | Habitat name in source classification                                                                         | Other definition or notes                           |
|---------------------------------------------|--------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
|                                             | Bare ground                                      | UKHab                                   | Bare ground                                                                                                   | None                                                |
|                                             | Vegetated garden                                 | UKHab                                   | Vegetated garden                                                                                              | None                                                |
| Wetland                                     | Blanket bog                                      | UKHab                                   | Blanket bog                                                                                                   | None                                                |
|                                             | Depressions on peat substrates (H7150)           | UKHab                                   | Depressions on peat substrates (H7150)                                                                        | None                                                |
|                                             | <i>Fens (upland and lowland)</i>                 | UKHab                                   | Lowland fens; Upland flushes fens and swamps; Other wetlands                                                  | The metric habitat type differs from the UKHab name |
|                                             | Lowland raised bog                               | UKHab                                   | Lowland raised bog                                                                                            | None                                                |
|                                             | <i>Wetland – Oceanic valley mire [1] (D2.1)</i>  | EUNIS                                   | Oceanic valley bog                                                                                            | None                                                |
|                                             | Purple moor grass and rush pastures              | UKHab                                   | Purple moor grass and rush pastures                                                                           | None                                                |
|                                             | Reedbeds                                         | UKHab                                   | Reedbeds                                                                                                      | None                                                |
|                                             | <i>Transition mires and quaking bogs (H7140)</i> | UKHab                                   | Transition mires and quaking bogs - lowland (H7140)<br><br>Transition mires and quaking bogs - upland (H7140) | The metric habitat type differs from the UKHab name |
| Woodland and forest                         | Felled                                           | UKHab                                   | Felled                                                                                                        | None                                                |
|                                             | Lowland beech and yew woodland                   | UKHab                                   | Lowland beech and yew woodland                                                                                | None                                                |
|                                             | Lowland mixed deciduous woodland                 | UKHab                                   | Lowland mixed deciduous woodland                                                                              | None                                                |
|                                             | Native pine woodlands                            | UKHab                                   | Native pine woodlands                                                                                         | None                                                |
|                                             | Other coniferous woodland                        | UKHab                                   | Other coniferous woodland                                                                                     | None                                                |
|                                             | Other Scot's pine woodland                       | UKHab                                   | Other Scot's pine woodland                                                                                    | None                                                |
|                                             | <i>Other woodland; broadleaved</i>               | UKHab                                   | Other broadleaved woodland                                                                                    | The metric habitat type differs from the UKHab name |
|                                             | Other woodland; mixed                            | UKHab                                   | Other woodland; mixed                                                                                         | None                                                |
|                                             | Upland birchwoods                                | UKHab                                   | Upland birchwoods                                                                                             | None                                                |
|                                             | Upland mixed ashwoods                            | UKHab                                   | Upland mixed ashwoods                                                                                         | None                                                |
|                                             | Upland oakwood                                   | UKHab                                   | Upland oakwood                                                                                                | None                                                |
|                                             | Wet woodland                                     | UKHab                                   | Wet woodland                                                                                                  | None                                                |
|                                             | Wood-pasture and parkland                        | UKHab                                   | Wood-pasture and parkland                                                                                     | None                                                |
| Coastal lagoons                             | <i>Coastal lagoons</i>                           | EUNIS                                   | Saline coastal lagoons                                                                                        | None                                                |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat                         | Classification where definition derived               | Habitat name in source classification               | Other definition or notes |
|---------------------------------------------|---------------------------------------------------------------|-------------------------------------------------------|-----------------------------------------------------|---------------------------|
| Coastal saltmarsh                           | <i>Saltmarshes and saline reedbeds</i>                        | EUNIS                                                 | Coastal saltmarshes and saline reedbeds             | None                      |
|                                             | <i>Artificial saltmarshes and saline reedbeds</i>             | Adapted from EUNIS                                    |                                                     | None                      |
| Rocky shore                                 | High energy littoral rock                                     | EUNIS                                                 | High energy littoral rock                           | None                      |
|                                             | <i>High energy littoral rock - on peat, clay or chalk</i>     | Subset of EUNIS habitat based on substrate            | High energy littoral rock                           | None                      |
|                                             | Moderate energy littoral rock                                 | EUNIS                                                 | Moderate energy littoral rock                       | None                      |
|                                             | <i>Moderate energy littoral rock - on peat, clay or chalk</i> | Subset of EUNIS habitat based on substrate            | Moderate energy littoral rock                       | None                      |
|                                             | Low energy littoral rock                                      | EUNIS                                                 | Low energy littoral rock                            | None                      |
|                                             | <i>Low energy littoral rock - on peat, clay or chalk</i>      | Subset of EUNIS habitat based on substrate            | Low energy littoral rock                            | None                      |
|                                             | Features of littoral rock                                     | EUNIS                                                 | Features of littoral rock                           | None                      |
|                                             | <i>Features of littoral rock - on peat, clay or chalk</i>     | Subset of EUNIS habitat based on substrate            | Features of littoral rock                           | None                      |
|                                             |                                                               |                                                       |                                                     |                           |
| Intertidal sediment                         | Littoral coarse sediment                                      | EUNIS                                                 | Littoral coarse sediment                            | None                      |
|                                             | <i>Littoral sand</i>                                          | EUNIS                                                 | Littoral sand and muddy sand                        | None                      |
|                                             | <i>Littoral muddy sand</i>                                    | EUNIS                                                 | Littoral sand and muddy sand                        | None                      |
|                                             | Littoral mud                                                  | EUNIS                                                 | Littoral mud                                        | None                      |
|                                             | Littoral mixed sediments                                      | EUNIS                                                 | Littoral mixed sediments                            | None                      |
|                                             | <i>Littoral seagrass</i>                                      | EUNIS                                                 | Littoral sediments dominated by aquatic angiosperms | None                      |
|                                             | <i>Littoral seagrass on peat, clay or chalk</i>               | Subset of EUNIS habitat based on substrate            | Littoral sediments dominated by aquatic angiosperms | None                      |
|                                             | <i>Littoral biogenic reefs - Mussels</i>                      | Subset of EUNIS habitat based on reef forming species | Littoral biogenic reefs                             | None                      |
|                                             |                                                               |                                                       |                                                     |                           |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat                                                    | Classification where definition derived               | Habitat name in source classification | Other definition or notes                                   |
|---------------------------------------------|------------------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------|-------------------------------------------------------------|
|                                             | <i>Littoral biogenic reefs - Sabellaria</i>                                              | Subset of EUNIS habitat based on reef forming species | Littoral biogenic reefs               | None                                                        |
|                                             | Features of littoral sediment                                                            | EUNIS                                                 | Features of littoral sediment         | None                                                        |
|                                             | <i>Artificial littoral coarse sediment</i>                                               | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial littoral muddy sand</i>                                                    | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial littoral mud</i>                                                           | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial littoral sand</i>                                                          | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial littoral mixed sediments</i>                                               | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial littoral seagrass</i>                                                      | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial littoral biogenic reefs</i>                                                | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
| Intertidal hard structures                  | <i>Artificial hard structures</i>                                                        | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial features of hard structures</i>                                            | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
|                                             | <i>Artificial hard structures with integrated greening of grey infrastructure (IGGI)</i> | Adapted from EUNIS - see Technical Annex 2            |                                       | None                                                        |
| Hedgerows and Lines of trees                | <i>Species-rich native hedgerow with trees - associated with bank or ditch</i>           | UKHab                                                 | Species-rich native hedgerow          | Combined UKHab codes:<br>h2a5 70<br>h2a5 191<br>h2a5 70 191 |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat                                      | Classification where definition derived | Habitat name in source classification | Other definition or notes                                            |
|---------------------------------------------|----------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|----------------------------------------------------------------------|
|                                             | <i>Species-rich native hedgerow with trees</i>                             | UKHab                                   | Species-rich native hedgerow          | Combined UKHab codes:<br>h2a5 190                                    |
|                                             | <i>Species-rich native hedgerow - associated with bank or ditch</i>        | UKHab                                   | Species-rich native hedgerow          | Combined UKHab codes:<br>h2a5 190 70 h2a5 190 191 h2a5 190 70 191    |
|                                             | <i>Native hedgerow with trees - associated with bank or ditch</i>          | UKHab                                   | Native hedgerow                       | Combined UKHab codes:<br>h2a 190 70<br>h2a 190 191 h2a 190 70 191    |
|                                             | Species-rich native hedgerow                                               | UKHab                                   | Species-rich native hedgerow          | UKHab code: h2a5                                                     |
|                                             | <i>Native hedgerow - associated with bank or ditch</i>                     | UKHab                                   | Native hedgerow                       | Combined UKHab codes:<br>h2a 70<br>h2a 191<br>h2a 70 191             |
|                                             | <i>Native hedgerow with trees</i>                                          | UKHab                                   | Native hedgerow                       | Combined UKHab codes:<br>h2a 190                                     |
|                                             | Ecologically valuable line of trees                                        | UKHab                                   | Ecologically valuable line of trees   | Combined UKHab codes:<br>w~ 1175                                     |
|                                             | <i>Ecologically valuable line of trees - associated with bank or ditch</i> | UKHab                                   | Ecologically valuable line of trees   | Combined UKHab codes:<br>w~ 1175 70<br>w~ 1175 191<br>w~ 1175 70 191 |
|                                             | Native hedgerow                                                            | UKHab                                   | Native hedgerow                       | Combined UKHab codes:<br>h2a h2a6                                    |
|                                             | Line of trees                                                              | UKHab                                   | Line of trees                         | UKHab code:<br>w~ 1174                                               |
|                                             | <i>Line of trees - associated with bank or ditch</i>                       | UKHab                                   | Line of trees                         | Combined UKHab codes:<br>w~ 1174 70<br>w~ 1174 191<br>w~ 1174 70191  |
|                                             | Non-native and ornamental hedgerow                                         | UKHab                                   | Non-native and ornamental hedgerow    | UKHab code: h2b                                                      |
| Watercourse                                 | Priority habitat                                                           | UKHab                                   | Rivers (priority habitat)             | Use as defined in the Statutory Biodiversity Metric User Guide.      |
|                                             | Other rivers and streams                                                   | UKHab                                   | Other rivers and streams              | Use as defined in the Statutory Biodiversity Metric User Guide.      |
|                                             | <b>Ditches</b>                                                             | Metric-specific                         | Ditch                                 | Use as defined in the Statutory Biodiversity Metric User Guide.      |
|                                             | Canals                                                                     | UKHab                                   | Canals                                | Use as defined in the Statutory Biodiversity Metric User Guide.      |

| Statutory Biodiversity Metric broad habitat | Statutory Biodiversity Metric habitat | Classification where definition derived | Habitat name in source classification | Other definition or notes                                       |
|---------------------------------------------|---------------------------------------|-----------------------------------------|---------------------------------------|-----------------------------------------------------------------|
|                                             | Culvert                               | N/A                                     | N/A                                   | Use as defined in the Statutory Biodiversity Metric User Guide. |

| Condition Sheet: GRASSLAND Habitat Type (low distinctiveness)                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|-------------------------------|
| UK Habitat Classification (UKHab) Habitat Type                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                               |
| Grassland - Modified grassland                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                               |
| On-site or off-site, site name and location                                                                                                                                                                                                         | On-site                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Survey date and Surveyor name                    | 21/09/2023 - Kelly Clark      |
| Limitations (if applicable)                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Survey reference (if relating to a wider survey) |                               |
| Grid reference                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Habitat parcel reference                         | Metric Ref: A-1, 1.           |
| Habitat Description                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                               |
| Two parcels: One consisting of Italian rye planting across a wide field parcel, the other consisting of an area of lawn supporting perennial rye grass, white clover and taraxacum sp. Both parcels reflect the same condition assessment criteria. |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                               |
| <a href="#">ukhab – UK Habitat Classification</a>                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  |                               |
| Condition Assessment Criteria                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Criterion passed (Yes or No)                     | Notes (such as justification) |
| A                                                                                                                                                                                                                                                   | <p>There are 6-8 vascular plant species per m<sup>2</sup> present, including at least 2 forbs (these may include those listed in Footnote 1). <b>Note - this criterion is essential for achieving Moderate or Good condition.</b></p> <p>Where the vascular plant species present are characteristic of medium, high or very high distinctiveness grassland, or there are 9 or more of these characteristic species per m<sup>2</sup> (excluding those listed in Footnote 1), please review the full UKHab description to assess whether the grassland should instead be classified as a higher distinctiveness grassland. Where a grassland is classed as medium, high, or very high distinctiveness, please use the relevant condition sheet.</p> | No                                               |                               |
| B                                                                                                                                                                                                                                                   | <p>Sward height is varied (at least 20% of the sward is less than 7 cm and at least 20% is more than 7 cm) creating microclimates which provide opportunities for vertebrates and invertebrates to live and breed.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | No                                               |                               |
| C                                                                                                                                                                                                                                                   | <p>Any scrub present accounts for less than 20% of the total grassland area. (Some scattered scrub such as bramble <i>Rubus fruticosus</i> agg. may be present).</p> <p>Note - patches of scrub with continuous (more than 90%) cover should be classified as the relevant scrub habitat type.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Yes                                              |                               |
| D                                                                                                                                                                                                                                                   | <p>Physical damage is evident in less than 5% of total grassland area. Examples of physical damage include excessive poaching, damage from machinery use or storage, erosion caused by high levels of access, or any other damaging management activities.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Yes                                              |                               |
| E                                                                                                                                                                                                                                                   | <p>Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens)<sup>2</sup>.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Yes                                              |                               |
| F                                                                                                                                                                                                                                                   | <p>Cover of bracken <i>Pteridium aquilinum</i> is less than 20%.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Yes                                              |                               |
| G                                                                                                                                                                                                                                                   | <p>There is an absence of invasive non-native plant species<sup>3</sup> (as listed on Schedule 9 of WCA<sup>4</sup>).</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Yes                                              |                               |
| Essential criterion achieved (Yes or No)                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  | No                            |
| Number of criteria passed                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                  | 5                             |
| Condition Assessment Result (out of 7 criteria)                                                                                                                                                                                                     | Condition Assessment Score                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Score Achieved x/√                               |                               |
| Passes 6 or 7 criteria including passing essential criterion A                                                                                                                                                                                      | Good (3)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | No                                               |                               |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----|--|
| Passes 4 or 5 criteria including passing essential criterion A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Moderate (2) | No  |  |
| Passes 3 or fewer criteria;<br>OR<br>Passes 4 - 6 criteria (excluding criterion A)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Poor (1)     | Yes |  |
| Suggested enhancement interventions to improve condition score                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |              |     |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |              |     |  |
| Footnotes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |              |     |  |
| <p><b>Footnote 1</b> – Creeping thistle <i>Cirsium arvense</i> , spear thistle <i>Cirsium vulgare</i> , curled dock <i>Rumex crispus</i> , broad-leaved dock <i>Rumex obtusifolius</i> , common nettle <i>Urtica dioica</i> , creeping buttercup <i>Ranunculus repens</i> , greater plantain <i>Plantago major</i> , white clover <i>Trifolium repens</i> and cow parsley <i>Anthriscus sylvestris</i> .</p> <p><b>Footnote 2</b> – For example, this could include small, scattered areas of bare ground allowing establishment of new species, or localised patches where not exceeding 10% cover.</p> <p><b>Footnote 3</b> – Assess this for each distinct habitat parcel. If the distribution of invasive non-native species varies across the habitat, split into parcels accordingly, applying a buffer zone around the invasive non-native species with a size relative to its risk of spread into adjacent habitat, using professional judgement.</p> <p><b>Footnote 4</b> – Wildlife and Countryside Act 1981 (as amended).</p> |              |     |  |

| Condition sheet: HEDGEROW Habitat Types                                                                                                                                                                                                                                                                                                                                              |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|
| <b>Habitat Type</b>                                                                                                                                                                                                                                                                                                                                                                  |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| Native hedgerow<br>Native hedgerow - associated with bank or ditch<br>Native hedgerow with trees<br>Native hedgerow with trees - associated with bank or ditch<br>Species-rich native hedgerow<br>Species-rich native hedgerow - associated with bank or ditch<br>Species-rich native hedgerow with trees<br>Species-rich native hedgerow with trees - associated with bank or ditch |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| <b>Habitat Description</b>                                                                                                                                                                                                                                                                                                                                                           |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| Native hedgerow with trees forming part of the western site boundary                                                                                                                                                                                                                                                                                                                 |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| See the Statutory Biodiversity Metric Technical Annex 2 and UK Habitat Classification:                                                                                                                                                                                                                                                                                               |                                                                       |                                                                 | <a href="#">ukhab – UK Habitat Classification</a>                                                                                                                                                                                                                                                                                                                                                                                                             |                                      |
| <b>On-site or off-site, site name and location</b>                                                                                                                                                                                                                                                                                                                                   | On-site                                                               |                                                                 | <b>Survey date and Surveyor name</b>                                                                                                                                                                                                                                                                                                                                                                                                                          | 21/09/2023 - Kelly Clark             |
| <b>Limitations (if applicable)</b>                                                                                                                                                                                                                                                                                                                                                   |                                                                       |                                                                 | <b>Survey reference (if relating to a wider survey)</b>                                                                                                                                                                                                                                                                                                                                                                                                       |                                      |
| <b>Grid reference</b>                                                                                                                                                                                                                                                                                                                                                                |                                                                       |                                                                 | <b>Habitat parcel reference</b>                                                                                                                                                                                                                                                                                                                                                                                                                               | Metric ref B1, 2.                    |
| <b>Condition Assessment Details</b>                                                                                                                                                                                                                                                                                                                                                  |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| A series of ten attributes, representing key physical characteristics are used for this assessment. Each attribute is assigned to one of five functional groups (A – E) and the condition of a hedgerow is assessed according to the number of attributes from these functional groups which pass or fail the 'favourable condition' criteria.                                       |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| This assessment is based on the Hedgerow Survey Handbook <sup>1</sup> and Favourable Conservation Status document <sup>2</sup> . For further clarification please refer to the Hedgerow Survey Handbook.                                                                                                                                                                             |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| Best practice would be to record the species, age, spacing and other key information about all trees present along a hedgerow within the 'Habitat Description' box, as well as other key features of the hedgerow.                                                                                                                                                                   |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| <b>Hedgerow favourable condition attributes</b>                                                                                                                                                                                                                                                                                                                                      |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| <b>Attributes and functional groupings (A, B, C, D and E)</b>                                                                                                                                                                                                                                                                                                                        | <b>Criteria - the minimum requirements for 'favourable condition'</b> | <b>Criteria description</b>                                     | <b>Criterion passed (Yes or No)</b>                                                                                                                                                                                                                                                                                                                                                                                                                           | <b>Notes (such as justification)</b> |
| <b>Core groups - applicable to all hedgerow types</b>                                                                                                                                                                                                                                                                                                                                |                                                                       |                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                      |
| A1.                                                                                                                                                                                                                                                                                                                                                                                  | Height                                                                | >1.5 m average along length                                     | The average height of woody growth estimated from base of stem to the top of the shoots, excluding any bank beneath the hedgerow, any gaps or isolated trees.<br><br>Newly laid or coppiced hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice).<br><br>A newly planted hedgerow does not pass this criterion (unless it is >1.5 m height).                      | Yes                                  |
| A2.                                                                                                                                                                                                                                                                                                                                                                                  | Width                                                                 | >1.5 m average along length                                     | The average width of woody growth estimated at the widest point of the canopy, excluding gaps and isolated trees.<br><br>Outgrowths (such as blackthorn <i>Prunus spinosa</i> suckers) are only included in the width estimate when they are >0.5 m in height.<br><br>Laid, coppiced, cut and newly planted hedgerows are indicative of good management and pass this criterion for up to a maximum of four years (if undertaken according to good practice). | Yes                                  |
| B1.                                                                                                                                                                                                                                                                                                                                                                                  | Gap - hedge base                                                      | Gap between ground and base of canopy <0.5 m for >90% of length | This is the vertical 'gappiness' of the woody component of the hedgerow, and its distance from the ground to the lowest leafy growth.<br><br>Certain exceptions to this criterion are acceptable (see page 65 of the Hedgerow Survey Handbook).                                                                                                                                                                                                               | Yes                                  |
| B2.                                                                                                                                                                                                                                                                                                                                                                                  | Gap - hedge canopy continuity                                         | Gaps make up <10% of total length; and No canopy gaps >5 m      | This is the horizontal 'gappiness' of the woody component of the hedgerow. Gaps are complete breaks in the woody canopy (no matter how small).<br><br>Access points and gates contribute to the overall 'gappiness' but are not subject to the >5 m criterion (as this is the typical size of a gate).                                                                                                                                                        | Yes                                  |

|                                                                   |                                             |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |  |
|-------------------------------------------------------------------|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|--|
| C1.                                                               | Undisturbed ground and perennial vegetation | >1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length:<br>· Measured from outer edge of hedgerow; and<br>· Is present on one side of the hedgerow (at least).                                                                 | This is the level of disturbance (excluding wildlife disturbance) at the base of the hedgerow.<br><br>Undisturbed ground is present for at least 90% of the hedgerow length, greater than 1 m in width and must be present along at least one side of the hedgerow.<br><br>This criterion recognises the value of the hedgerow base as a boundary habitat with the capacity to support a wide range of species. Cultivation, heavily trodden footpaths, poached ground etc. can limit available habitat niches. | Yes |  |
| C2.                                                               | Nutrient-enriched perennial vegetation      | Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground.                                                                                                                                                  | The indicator species used are nettles <i>Urtica</i> spp., cleavers <i>Galium aparine</i> and docks <i>Rumex</i> spp. Their presence, either singly or together, does not exceed the 20% cover threshold.                                                                                                                                                                                                                                                                                                       | No  |  |
| D1.                                                               | Invasive and neophyte species               | >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA <sup>3</sup> ) and recently introduced species.                                                                            | Recently introduced species refer to plants that have naturalised in the UK since AD 1500 (neophytes). Archaeophytes count as natives. For information on archaeophytes and neophytes see the JNCC website <sup>4</sup> , as well as the BSBI website <sup>5</sup> where the 'Online Atlas of the British and Irish Flora' <sup>6</sup> contains an up-to-date list of the status of species. For information on invasive non-native species see the GB Non-Native Secretariat website <sup>7</sup> .           | Yes |  |
| D2.                                                               | Current damage                              | >90% of the hedgerow or undisturbed ground is free of damage caused by human activities.                                                                                                                                                                         | This criterion addresses damaging activities that may have led to or lead to deterioration in other attributes.<br><br>This could include evidence of pollution, piles of manure or rubble, or inappropriate management practices (for example, excessive hedgerow cutting).                                                                                                                                                                                                                                    | Yes |  |
| <b>Additional group - applicable to hedgerows with trees only</b> |                                             |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |     |  |
| E1.                                                               | Tree class                                  | There is more than one age-class (or morphology) of tree present (for example: young, mature, veteran and or ancient <sup>8</sup> ), and there is on average at least one mature, ancient or veteran tree present per 20 - 50m of hedgerow.                      | This criterion addresses if there are a range of age-classes or morphologies which allow for replacement of trees and provide opportunities for different species.                                                                                                                                                                                                                                                                                                                                              | No  |  |
| E2.                                                               | Tree health                                 | At least 95% of hedgerow trees are in a healthy condition (excluding veteran features valuable for wildlife). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity. | This criterion identifies if the trees are subject to damage which compromises the survival and health of the individual specimens.                                                                                                                                                                                                                                                                                                                                                                             | Yes |  |

The hedgerow condition assessment generates a weighting (score) ranging from 1 - 3, which is used within the Statutory Biodiversity Metric. The scores for each are set out in the tables below.

#### Condition categories for hedgerows without trees

| Category        | Category Requirements                                                                                                                                                                             | Metric Score |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Good            | No more than 2 failures in total;<br><b>AND</b><br>No more than 1 failure in any functional group.                                                                                                | 3            |
| Moderate        | No more than 4 failures in total;<br><b>AND</b><br><u>Does not fail both attributes</u> in more than one functional group (for example, fails attributes A1, A2, B1 and C2 = Moderate condition). | 2            |
| Poor            | Fails a total of more than 4 attributes;<br><b>OR</b><br><u>Fails both attributes</u> in more than one functional group (for example, fails attributes A1, A2, B1 and B2 = Poor condition).       | 1            |
| Score achieved: |                                                                                                                                                                                                   | N/A          |

#### Condition categories for hedgerows with trees

| Category        | Category Requirements                                                                                                                                                                                 | Metric score |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Good            | No more than 2 failures in total;<br><b>AND</b><br>No more than 1 failure in any functional group.                                                                                                    | 3            |
| Moderate        | No more than 5 failures in total;<br><b>AND</b><br><u>Does not fail both attributes</u> in more than one functional group (for example, fails attributes A1, A2, B1, C2 and E1 = Moderate condition). | 2            |
| Poor            | Fails a total of more than 5 attributes;<br><b>OR</b><br><u>Fails both attributes</u> in more than one functional group (for example, fails attributes A1, A2, B1 and B2 = Poor condition).           | 1            |
| Score achieved: |                                                                                                                                                                                                       | Good         |

#### Suggested enhancement interventions to improve condition score

| Condition Sheet: INDIVIDUAL TREES Habitat Type                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------|--|--------------------------------------------------|----------------|--------------------------|--|--|--|--|--|-------------------------------|--|--|
| Habitat Types                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Individual trees – Urban trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Individual trees – Rural trees                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Complete a condition sheet for each tree or block of trees.                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Please see separate Line of trees condition sheet for a line of Rural trees.                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Habitat Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Tree assessments are made in reference to the Arboricultural Assessment (numbering) as well as the Habitat Condition Assessment. Poor condition individual trees include trees T11, T14 and G12. Moderate condition trees include trees T1, T2, T3, T4, T5, T6, T8, T9, and one unmaed tree at the access point to the site. Good condition trees includes T7.                                                                                                                                              |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Individual trees (description applied to the urban or rural environment):<br>Young trees over 7.5 cm in diameter at breast height whose canopies are not touching.                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| Urban Perimeter / Linear Blocks and Groups (description applied to the urban environment only):<br>Groups or stands of trees (size requirement as defined above) within and around the perimeter of urban land. This includes those along urban streets, highways, railways and canals, and also former field boundary trees incorporated into developments. Canopies must overlap continuously. Groups of urban trees that don't match the descriptions for woodland may be assessed within this category. |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
| On-site or off-site, site name and location                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | On site                                                                                                                                                                                                                                                                                 |                            |  | Survey date and Surveyor name                    |                | 21/09/2023 - Kelly Clark |  |  |  |  |  |                               |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                         |                            |  | Survey reference (if relating to a wider survey) |                |                          |  |  |  |  |  |                               |  |  |
| Limitations (if applicable)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                         |                            |  | Habitat parcel reference                         |                |                          |  |  |  |  |  |                               |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                         |                            |  | Poor Trees                                       | Moderate Trees | Good Trees               |  |  |  |  |  |                               |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                         |                            |  | Grid reference                                   |                |                          |  |  |  |  |  |                               |  |  |
| Condition Assessment Criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                         |                            |  | Criterion passed (Yes or No)                     |                |                          |  |  |  |  |  | Notes (such as justification) |  |  |
| A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The tree is a native species (or at least 70% within the block are native species).                                                                                                                                                                                                     |                            |  | Yes                                              | Yes            | Yes                      |  |  |  |  |  |                               |  |  |
| B                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide (individual trees automatically pass this criterion).                                                                                         |                            |  | No                                               | Yes            | Yes                      |  |  |  |  |  |                               |  |  |
| C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | The tree is mature (or more than 50% within the block are mature) <sup>1</sup> .                                                                                                                                                                                                        |                            |  | No                                               | No             | Yes                      |  |  |  |  |  |                               |  |  |
| D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height. |                            |  | Yes                                              | Yes            | Yes                      |  |  |  |  |  |                               |  |  |
| E                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark.                                                                                                                                                     |                            |  | No                                               | No             | Yes                      |  |  |  |  |  |                               |  |  |
| F                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | More than 20% of the tree canopy area is oversailing vegetation beneath.                                                                                                                                                                                                                |                            |  | No                                               | Yes            | Yes                      |  |  |  |  |  |                               |  |  |
| Number of criteria passed                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                         |                            |  | 2                                                | 4              | 6                        |  |  |  |  |  |                               |  |  |
| Condition Assessment Result (out of 6 criteria)                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                                                                                                                                                                                                                                                                         | Condition Assessment Score |  | Score Achieved x/√                               |                |                          |  |  |  |  |  |                               |  |  |
| Passes 5 or 6 criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                         | Good (3)                   |  | No                                               | No             | Yes                      |  |  |  |  |  |                               |  |  |
| Passes 3 or 4 criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                         | Moderate (2)               |  | No                                               | Yes            | No                       |  |  |  |  |  |                               |  |  |
| Passes 2 or fewer criteria                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                         | Poor (1)                   |  | Yes                                              | No             | No                       |  |  |  |  |  |                               |  |  |
| Note that 'Fairly Good and Fairly Poor' condition categories are not available for this broad habitat type.                                                                                                                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                         |                            |  |                                                  |                |                          |  |  |  |  |  |                               |  |  |

| Condition Sheet: LINE OF TREES Habitat Type                                                                                                                                                                                                                                                        |                                                                                                                                                                                                                                                                                      |                                                         |                               |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------|-------------------------------|
| Habitat Types                                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                      |                                                         |                               |
| <b>Line of trees</b><br><b>Line of trees – associated with bank or ditch</b><br><b>Ecologically valuable line of trees</b><br><b>Ecologically valuable line of trees – associated with bank or ditch</b>                                                                                           |                                                                                                                                                                                                                                                                                      |                                                         |                               |
| Habitat Description                                                                                                                                                                                                                                                                                |                                                                                                                                                                                                                                                                                      |                                                         |                               |
| Lines of newly planted trees forming the western side of the current access route                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                      |                                                         |                               |
| See the Statutory Biodiversity Metric User Guide.<br>This assessment is based on the Hedgerow Survey Handbook <sup>1</sup> . For further clarifications please refer to the Handbook.<br>Where ancient and veteran trees are present within the line of trees, see Footnote 2 for standing advice. |                                                                                                                                                                                                                                                                                      |                                                         |                               |
| <b>On-site or off-site, site name and location</b>                                                                                                                                                                                                                                                 | On-site                                                                                                                                                                                                                                                                              | <b>Survey date and Surveyor name</b>                    | 21/09/2023 - Kelly Clark      |
| <b>Limitations (if applicable)</b>                                                                                                                                                                                                                                                                 |                                                                                                                                                                                                                                                                                      | <b>Survey reference (if relating to a wider survey)</b> |                               |
| <b>Grid reference</b>                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                                                      | <b>Habitat parcel reference</b>                         | Metric ref B-2,1.             |
| Condition Assessment Criteria                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                      | Criterion passed (Yes or No)                            | Notes (such as justification) |
| A                                                                                                                                                                                                                                                                                                  | At least 70% of trees are native species.                                                                                                                                                                                                                                            | Yes                                                     |                               |
| B                                                                                                                                                                                                                                                                                                  | Tree canopy is predominantly continuous with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide.                                                                                                                                                | No                                                      |                               |
| C                                                                                                                                                                                                                                                                                                  | One or more trees has veteran features and or natural ecological niches for vertebrates and invertebrates, such as presence of standing and attached deadwood, cavities, ivy or loose bark.                                                                                          | No                                                      |                               |
| D                                                                                                                                                                                                                                                                                                  | There is an undisturbed naturally-vegetated strip of at least 6 m on both sides to protect the line of trees from farming and other human activities (excluding grazing). Where veteran trees are present, root protection areas should follow standing advice <sup>2</sup> .        | Yes                                                     |                               |
| E                                                                                                                                                                                                                                                                                                  | At least 95% of the trees are in a healthy condition (deadwood or veteran features valuable for wildlife are excluded from this). There is little or no evidence of an adverse impact on tree health by damage from livestock or wild animals, pests or diseases, or human activity. | Yes                                                     |                               |
|                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                      | <b>Number of criteria passed</b>                        |                               |
| Condition Assessment Result (out of 5 criteria)                                                                                                                                                                                                                                                    | Condition Assessment Score                                                                                                                                                                                                                                                           | Score Achieved ×/√                                      |                               |
| Passes 5 criteria                                                                                                                                                                                                                                                                                  | Good (3)                                                                                                                                                                                                                                                                             | No                                                      |                               |
| Passes 3 or 4 criteria                                                                                                                                                                                                                                                                             | Moderate (2)                                                                                                                                                                                                                                                                         | Yes                                                     |                               |
| Passes 2 or fewer criteria                                                                                                                                                                                                                                                                         | Poor (1)                                                                                                                                                                                                                                                                             | No                                                      |                               |
| Suggested enhancement interventions to improve condition score                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                      |                                                         |                               |
|                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                      |                                                         |                               |
| Footnotes                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                      |                                                         |                               |