

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

July 2024 (v1.0.2)

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:

- a) 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).
- b) Assessors must have access to condition sheets (see **Tab 1-25**) and the survey cover sheet during the survey (see **SURVEY COVER SHEET** tab). These may be either digital or hard copies.
- c) 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.
- d) 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.
- e) 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 (Tab 1-25)

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

- a) 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.
- b) 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.
- c) 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.
- d) 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.
- e) Some condition assessment sheets have 'essential' criteria. Essential criteria must be passed to achieve a particular condition state.
- f) 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](#)
- g) 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.
- h) 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:
 - i. If a definitive pass or fail cannot be assigned through baseline survey, assume the criterion is passed.
 - ii. When monitoring post-intervention habitat, fail criteria which cannot be assessed due to survey limitations.
- i) 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.
 - i. 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.

Using the 'Hedgerow' condition sheet

The condition sheet for hedgerows has been adapted from the Defra Hedgerow Survey Handbook. All supplementary information needed to complete a hedgerow condition assessment is provided within the Hedgerow condition sheet.

Each condition criterion is assigned to one of five functional groups. The condition of a hedgerow is assessed according to the number of criteria passed within these functional groups.

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
Bracken		UKHab	Bracken	None
<i>Floodplain wetland mosaic and CFGM</i>		UKHab	Floodplain wetland mosaic	The metric habitat type differs from the UKHab name. 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	Rural tree	Metric-specific	N/A	None
	Urban tree	Metric-specific	N/A	None
Lakes	Aquifer fed naturally fluctuating water bodies	UKHab	Aquifer fed naturally fluctuating water bodies	None
	Ornamental lake or pond	UKHab	Ornamental lakes or ponds	None

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
	Ponds (non-priority habitat)	UKHab	Pond (non-priority)	< 2ha
	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. *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. 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) 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 - see tab G1 in the Statutory Biodiversity Metric		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

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 - Mussels</i>	Subset of EUNIS habitat based on reef forming species	Littoral biogenic reefs	None
	<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 tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial littoral muddy sand</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial littoral mud</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial littoral sand</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial littoral mixed sediments</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial littoral seagrass</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial littoral biogenic reefs</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
Intertidal hard structures	<i>Artificial hard structures</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial features of hard structures</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None
	<i>Artificial hard structures with integrated greening of grey infrastructure (IGGI)</i>	Adapted from EUNIS - see tab G1 in the Statutory Biodiversity Metric		None

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

Habitat type (Habitats in bold are Priority Habitats)	Condition sheet
Area habitats	
Broad habitat type: Cropland	
Cropland - Arable field margins cultivated annually	Condition Assessment N/A
Cropland - Arable field margins game bird mix	
Cropland - Arable field margins pollen and nectar	
Cropland - Arable field margins tussocky	
Cropland - Cereal crops	
Cropland - Winter stubble	
Cropland – Horticulture	
Cropland - Intensive orchards	
Cropland - Non-cereal crops	
Cropland - Temporary grass and clover leys	
Broad habitat type: Grassland	
Grassland - Bracken	Condition Assessment N/A
Grassland - Floodplain wetland mosaic and CFGM	See the Statutory Biodiversity Metric User Guide for details on recording.
Grassland - Lowland calcareous grassland	Grassland Medium/High/Very High distinctiveness
Grassland - Lowland dry acid grassland	
Grassland - Lowland meadows	
Grassland - Modified grassland	Grassland Low distinctiveness
Grassland - Other lowland acid grassland	Grassland Medium/High/Very High distinctiveness
Grassland - Other neutral grassland	
Grassland - Tall herb communities (H6430)	
Grassland - Traditional orchards	Orchard
Grassland - Upland acid grassland	Grassland Medium/High/Very High distinctiveness
Grassland - Upland calcareous grassland	
Grassland - Upland hay meadows	
Broad habitat type: Heathland and scrub	
Heathland and shrub - Blackthorn scrub	Scrub
Heathland and shrub - Bramble scrub	Condition Assessment N/A
Heathland and shrub - Gorse scrub	Scrub
Heathland and shrub - Hawthorn scrub	
Heathland and shrub - Hazel scrub	
Heathland and shrub - Lowland heathland	Heathland
Heathland and shrub - Mixed scrub	Scrub
Heathland and shrub - Mountain heaths and willow scrub	Use Heathland condition sheet for Mountain heaths OR Scrub condition sheet for Willow scrub
Heathland and shrub - Rhododendron scrub	Condition Assessment N/A
Heathland and shrub – Dunes with sea buckthorn (H2160)	Scrub
Heathland and shrub – Other sea buckthorn scrub	Condition Assessment N/A
Heathland and shrub - Upland heathland	Heathland
Heathland and shrub – Willow scrub	Scrub
Broad habitat type: Lakes	
Lakes - Aquifer fed naturally fluctuating water bodies	Lakes
Lakes - High alkalinity lakes	
Lakes - Low alkalinity lakes	
Lakes - Marl lakes	
Lakes - Moderate alkalinity lakes	
Lakes - Ornamental lake or pond	Lakes OR Ponds
Lakes - Peat lakes	Lakes
Lakes - Ponds (priority habitat)	Ponds
Lakes - Ponds (non-priority habitat)	
Lakes - Reservoirs	Lakes
Lakes - Temporary lakes ponds and pools (H3170)	Use Lake condition sheet for Temporary lakes OR Pond condition sheet for Temporary ponds and pools
Broad habitat type: Sparsely vegetated land	

Habitat type (Habitats in bold are Priority Habitats)	Condition sheet
Sparsely vegetated land - Calaminarian grasslands	Grassland Medium/High/Very High distinctiveness
Sparsely vegetated land - Coastal sand dunes	Coastal
Sparsely vegetated land - Coastal vegetated shingle	
Sparsely vegetated land - Ruderal/Ephemeral	Urban
Sparsely vegetated land – Tall forbs	
Sparsely vegetated land - Inland rock outcrop and scree habitats	Sparsely vegetated land
Sparsely vegetated land - Limestone pavement	Limestone pavement
Sparsely vegetated land - Maritime cliff and slopes	Coastal
Sparsely vegetated land - Other inland rock and scree	Sparsely vegetated land
Broad habitat type: Urban	
Urban - Allotments	Urban
Urban - Artificial unvegetated, unsealed surface	N/A - Other
Urban - Bioswale	Urban
Urban - Biodiverse green roof	Urban
Urban - Built linear features	N/A - Other
Urban - Cemeteries and churchyards	Use Urban condition sheet as default.
Urban - Developed land; sealed surface	N/A - Other
Urban - Facade-bound green wall	Urban
Urban - Ground based green wall	Urban
Urban - Ground level planters	Condition Assessment N/A
Urban - Intensive green roof	Urban
Urban - Introduced shrub	Condition Assessment N/A
Urban - Open mosaic habitats on previously developed land	Urban
Urban - Other green roof	Condition Assessment N/A
Urban - Rain garden	Urban
Urban - Actively worked sand pit, quarry or open cast mine	Condition Assessment N/A
Urban - Sustainable drainage system (SuDS)	Urban
Urban - Unvegetated garden	N/A - Other
Urban – Vacant or derelict land	Urban
Urban – Bare ground	Urban
Urban - Vegetated garden	Condition Assessment N/A
Broad habitat type: Wetland	
Wetland - Blanket bog	Wetland
Wetland - Depressions on peat substrates (H7150)	
Wetland - Fens (upland and lowland)	
Wetland - Lowland raised bog	
Wetland – Oceanic valley mire [1] (D2.1)	
Wetland - Purple moor grass and rush pastures	
Wetland – Reedbeds	
Wetland - Transition mires and quaking bogs (H7140)	
Broad habitat type: Woodland	
Woodland and forest - Felled	No assessment required - condition fixed at Good
Woodland and forest - Lowland beech and yew woodland	Woodland
Woodland and forest - Lowland mixed deciduous woodland	
Woodland and forest - Native pine woodlands	
Woodland and forest - Other coniferous woodland	
Woodland and forest - Other Scot's pine woodland	
Woodland and forest - Other woodland; broadleaved	
Woodland and forest - Other woodland; mixed	
Woodland and forest - Upland birchwoods	
Woodland and forest - Upland mixed ashwoods	
Woodland and forest - Upland oakwood	
Woodland and forest - Wet woodland	
Woodland and forest - Wood-pasture and parkland	Wood-pasture and parkland
Broad habitat type: Coastal lagoons	
Coastal lagoons - Coastal lagoons	Coastal lagoons
Broad habitat type: Coastal saltmarsh	
Coastal saltmarsh - Saltmarshes and saline reedbeds	Coastal saltmarsh
Coastal saltmarsh - Artificial saltmarshes and saline reedbeds	

Habitat type (Habitats in bold are Priority Habitats)	Condition sheet
Broad habitat type: Intertidal hard structures	
Intertidal hard structures - Artificial hard structures Intertidal hard structures - Artificial features of hard structures Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGGI)	Intertidal hard structures
Broad habitat type: Intertidal sediment	
Intertidal sediment - Littoral coarse sediment Intertidal sediment - Littoral sand Intertidal sediment - Littoral muddy sand Intertidal sediment - Littoral mud Intertidal sediment - Littoral mixed sediments Intertidal sediment - Features of littoral sediment Intertidal sediment - Artificial littoral coarse sediment Intertidal sediment - Artificial littoral mixed sediments Intertidal sediment - Artificial littoral mud Intertidal sediment - Artificial littoral muddy sand Intertidal sediment - Artificial littoral sand	Intertidal sediment
Intertidal sediment - Littoral seagrass Intertidal sediment - Littoral seagrass - on peat, clay or chalk Intertidal sediment - Artificial littoral seagrass	Intertidal seagrass
Intertidal sediment - Littoral biogenic reefs - Mussels Intertidal sediment - Littoral biogenic reefs – Sabellaria Intertidal sediment - Artificial littoral biogenic reefs	Intertidal biogenic reefs
Broad habitat type: Rocky shore	
Rocky shore - High energy littoral rock Rocky shore - Moderate energy littoral rock Rocky shore - Low energy littoral rock Rocky shore - Features of littoral rock Rocky Shore - Features of littoral rock - on peat, clay or chalk Rocky shore - High energy littoral rock - on peat, clay or chalk Rocky shore - Moderate energy littoral rock - on peat, clay or chalk Rocky shore - Low energy littoral rock - on peat, clay or chalk	Rocky shore
Broad habitat type: Individual trees	
Individual trees – Rural tree Individual trees – Urban tree	Individual trees
Hedgerows and Lines of trees habitats	
Broad habitat type: Hedgerows and lines of trees	
Hedgerows and lines of trees - Line of trees Hedgerows and lines of trees - Line of trees - associated with bank or ditch Hedgerows and lines of trees – Ecologically valuable line of trees Hedgerows and lines of trees - Ecologically valuable line of trees - associated with bank or ditch	Line of trees
Hedgerows and lines of trees – Non-native and ornamental hedgerow	No assessment required - condition fixed at Poor
Hedgerows and lines of trees - Native hedgerow Hedgerows and lines of trees - Native hedgerow - associated with bank or ditch Hedgerows and lines of trees - Native hedgerow with trees Hedgerows and lines of trees - Native hedgerow with trees - associated with bank or ditch	Hedgerow

Survey Cover Sheet			
Survey date/s	13th May 2025	Site name or location	Land at Oaklands Barn, Horsham, Surrey, RH13 9BB
Weather conditions	13C, Dry	Project or development name	Land at Oaklands Barn
Surveyor name	Ivana Murphy	On-site or off-site	On-site
Survey reference	22-143	Reason for assessment (if not baseline condition survey)	
Notes			

Site or location	Condition sheets	Total number of condition sheets used, or habitat parcels	Number of parcels of each condition achieved					Notes
			Good	Fairly Good	Moderate	Fairly Poor	Poor	
	Coastal							
	Coastal lagoons							
	Coastal saltmarsh							
	Ditches							
22-143 - Land at Oaklands Barn	Grassland low distinctiveness	1					1	
	Grassland medium, high, very high distinctiveness							
	Heathland							
	Hedgerow							
	Individual trees							

	Intertidal biogenic reefs							
	Intertidal hard structures							
	Intertidal seagrass							
	Intertidal sediment							
	Lakes							
	Limestone pavement							
	Line of trees							
	Orchard							
	Ponds							

	Rocky shore							
22-143 - Land at Oaklands Barn	Scrub	1	1					
	Sparsely vegetated land							
22-143 - Land at Oaklands Barn	Urban	3					3	
	Wetland							
	Woodland							
	Wood-pasture and parkland							

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, Land at Oaklands Barn	Survey date and Surveyor name	13th May 2025, Ivana Murphy
Limitations (if applicable)		Survey reference (if relating to a wider survey)	22-143 - Land at Oaklands Barn
Grid reference	TQ 17008 27909	Habitat parcel reference	
Habitat Description			
ukhab – UK Habitat Classification			
Condition Assessment Criteria		Criterion passed (Yes or No)	Notes (such as justification)
A	<p>There are 6-8 vascular plant species per m² present, including at least 2 forbs (these may include those listed in Footnote 1). Note - this criterion is essential for achieving Moderate or Good condition.</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 m² (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>	yes	
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)².</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 species³ (as listed on Schedule 9 of WCA⁴).</p>	Yes	
Essential criterion achieved (Yes or No)			No
Number of criteria passed			6
Condition Assessment Result (out of 7 criteria)	Condition Assessment Score	Score Achieved ×/√	

Passes 6 or 7 criteria including passing essential criterion A	Good (3)		
Passes 4 or 5 criteria including passing essential criterion A	Moderate (2)		
Passes 3 or fewer criteria; OR Passes 4 - 6 criteria (excluding criterion A)	Poor (1)	X	

Suggested enhancement interventions to improve condition score

Footnotes

Footnote 1 – Creeping thistle *Cirsium arvense* , spear thistle *Cirsium vulgare* , curled dock *Rumex crispus* , broad-leaved dock *Rumex obtusifolius* , common nettle *Urtica dioica* , creeping buttercup *Ranunculus repens* , greater plantain *Plantago major* , white clover *Trifolium repens* and cow parsley *Anthriscus sylvestris* .

Footnote 2 – For example, this could include small, scattered areas of bare ground allowing establishment of new species, or localised patches where not exceeding 10% cover.

Footnote 3 – 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.

Footnote 4 – Wildlife and Countryside Act 1981 (as amended).

Condition Sheet: SCRUB Habitat Type			
Habitat Types			
Heathland and shrub - Blackthorn scrub Heathland and shrub - Gorse scrub Heathland and shrub - Hawthorn scrub Heathland and shrub - Hazel scrub Heathland and shrub - Mixed scrub Heathland and shrub - Dunes with sea buckthorn (H2160) Heathland and shrub - Willow scrub			
Habitat Description			
For Dunes with sea buckthorn see:	Dunes with sea-buckthorn (Dunes with Hippophae rhamnoides) - Special Areas of Conservation (jncc.gov.uk)		
For other scrub types see:	ukhab – UK Habitat Classification		
On-site or off-site, site name and location	On-site, Land at Oaklands Barn,	Survey date and Surveyor name	13th May 2025
Limitations (if applicable)		Survey reference (if relating to a wider survey)	22-143 - Land at Oaklands Barn
Grid reference	TQ 17008 27909	Habitat parcel reference	
Condition Assessment Criteria		Criterion passed (Yes or No)	Notes (such as justification)
A	The parcel represents a good example of its habitat type - the appearance and composition of the vegetation closely matches its UKHab description (where in its natural range). ¹ - At least 80% of scrub is native, - There are at least three native woody species ² , - No single species comprises more than 75% of the cover (except hazel <i>Corylus avellana</i> , common juniper <i>Juniperus communis</i> , sea buckthorn <i>Hippophae rhamnoides</i> (only in its restricted native range), or box <i>Buxus sempervirens</i> , which can be up to 100% cover).	yes	
B	Seedlings, saplings, young shrubs and mature (or ancient or veteran ³) shrubs are all present.	yes	
C	There is an absence of invasive non-native plant species ⁴ (as listed on Schedule 9 of WCA ⁵) and species indicative of suboptimal condition ⁶ make up less than 5% of ground cover.	yes	
D	The scrub has a well-developed edge with scattered scrub and tall grassland and or forbs present between the scrub and adjacent habitat.	yes	
E	There are clearings, glades or rides present within the scrub, providing sheltered edges.	Yes	
Number of criteria passed			5
Condition Assessment Result (out of 5 criteria)	Condition Assessment Score	Score Achieved x/√	

Passes 5 criteria	Good (3)	X	
Passes 3 or 4 criteria	Moderate (2)		
Passes 2 or fewer criteria	Poor (1)		
Suggested enhancement interventions to improve condition score			

Condition Sheet: URBAN Habitat Type																		
Habitat Types																		
Sparsely vegetated land - Ruderal/Ephemeral Sparsely vegetated land - Tall forbs Urban - Allotments Urban - Biodiverse green roof Urban - Bioswale Urban - Cemeteries and churchyards Urban - Facade-bound green wall Urban - Ground based green wall Urban - Intensive green roof Urban - Open mosaic habitats on previously developed land Urban - Rain garden Urban - Sustainable drainage system (SuDS) Urban - Vacant or derelict land Urban - Bare ground																		
Habitat Description																		
See the Statutory Biodiversity Metric User Guide for green roofs, and UK Habitat Classification (UKHab) for other habitats: ukhab – UK Habitat Classification																		
On-site or off-site, site name and location	On-site, Land at Oaklands Barn			Survey date and Surveyor name	13th May 2025, Ivana Murphy													
				Survey reference (if relating to a wider survey)	22-143 - Land at Oaklands													
Limitations (if applicable)				Habitat parcel reference								Notes (such as justification)						
				<table border="1"> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>														
Condition Assessment Criteria				Grid reference														
				<table border="1"> <tr> <td>TQ 16996 27913</td> <td>TQ 16984 27894</td> <td>Bare ground</td> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>								TQ 16996 27913	TQ 16984 27894	Bare ground				
TQ 16996 27913	TQ 16984 27894	Bare ground																
				Criterion passed (Yes or No)														
Core Criteria - must be assessed for all urban habitat types:																		
A	Vegetation structure is varied, providing opportunities for vertebrates and invertebrates to live, eat and breed. A single structural habitat component or vegetation type does not account for more than 80% of the total habitat area.	No	No	no														
B	The habitat parcel contains different plant species that are beneficial for wildlife, for example flowering species providing nectar sources for a range of invertebrates at different times of year.	No	No	no														
C	Invasive non-native plant species (listed on Schedule 9 of WCA ¹) and others which are to the detriment of native wildlife (using professional judgement) ² cover less than 5% of the total vegetated area ³ . Note - to achieve Good condition, this criterion must be satisfied by a complete absence of invasive non-native species (rather than <5% cover).	Yes	Yes	yes														
Additional Criterion - must be assessed for Open mosaic habitat on previously developed land only:																		
D	The parcel shows spatial variation and forms a mosaic of bare substrate PLUS: - At least four early successional communities (a) to (i); Communities: (a) annuals; (b) mosses/liverworts; (c) lichens; (d) ruderals; (e) inundation species; (f) open grassland; (g) flower-rich grassland; (h) heathland, (i) pools.																	
Additional Criteria - must be assessed for Bioswale and SuDS habitat types only:																		
E1	Plant species are mostly native. If non-native species are present, they should not be detrimental to the habitat or native wildlife ⁴ .																	
E2	The vegetation is comprised of plant species suited to wetland or riparian situations.																	
Additional Criterion - must be assessed for Intensive green roofs only:																		
F	The roof has a minimum of 50% native and non-native wildflowers. 70% of the roof area is soil and vegetation (including water features).																	
Additional Criterion - must be assessed for Biodiverse green roofs only:																		

G	The roof has a varied depth of 80 – 150 mm; at least 50% is at 150 mm and is planted and seeded with wildflowers and sedums or is pre-prepared with sedums and wildflowers. Note – to achieve Good condition, some additional habitat, such as sand piles, stones, logs etc. are present.																		
Essential criteria relevant for habitat type achieved (Yes or No)		Yes	Yes	yes															
Number of criteria passed		1	1	1															
Condition Assessment Result		Condition Assessment Score		Score Achieved */√															
Results for habitats requiring assessment of 3 core criteria only (all listed urban habitats except Open mosaic habitat on previously developed land, Bioswale, SuDS and Green roofs):																			
• Passes all 3 core criteria; AND • Meets the requirements for Good condition within criterion C.		Good (3)																	
• Passes 2 of 3 core criteria; OR • Passes 3 of 3 core criteria but does not meet the requirements for Good condition within criterion C.		Moderate (2)																	
• Passes 0 or 1 of 3 core criteria.		Poor (1)		X	X	X													
Results for Green roofs and Open mosaic habitat on previously developed land (requiring assessment of 4 criteria only - core criteria plus additional criterion specified for habitat type):																			
• Passes all 3 core criteria; AND • Meets the requirements for Good condition within criterion C; AND • Passes additional criterion relevant to specific habitat type (D, F or G).		Good (3)																	
• Passes 2 or 3 of 4 criteria; OR • Passes 4 of 4 criteria but does not meet the requirements for Good condition within criterion C.		Moderate (2)																	
• Passes 0 or 1 of 4 criteria.		Poor (1)																	
Results for Bioswale or SuDS (requiring assessment of 5 criteria - core criteria plus additional criteria specified for habitat type):																			
• Passes all 3 core criteria; AND • Meets the requirements for Good condition within criterion C; AND • Passes all additional criteria relevant to specific habitat type (Group E)		Good (3)																	
• Passes 3 or 4 of 5 criteria; OR • Passes 5 of 5 criteria but does not meet the requirements for Good condition within criterion C.		Moderate (2)																	
• Passes 2 or fewer of 5 criteria.		Poor (1)																	
Suggested enhancement interventions to improve condition score																			
Footnotes																			

Version	Changes made	Date released
Version 1.0.0	Initial draft statutory version	29th November 2023
	<p>Individual trees tab – added wording to say <i>‘Please see the separate Line of Trees condition sheet for rural trees. You should only use the Line of Trees condition assessment and record that habitat type in rural locations.’</i></p> <p>Individual trees tab – Changed <i>‘Canopies must overlap continuously’</i> to <i>‘Canopies should predominantly overlap continuously’</i></p> <p>Coastal tab – wording added to the list of <i>‘General coastal species indicative of suboptimal condition’</i> to say <i>‘sea buckthorn (only outside its restricted native range)’</i></p> <p>Scrub tab – wording added to Criterion A to say sea buckthorn can be 100% cover <i>‘(only in its restricted native range)’</i></p> <p>Instructions tab – changed date at top of sheet from <i>‘November 2023’</i> to <i>‘February 2024’</i></p> <p>Habitat definitions tab – removed reference to <i>‘see Technical Annex 2’</i> from the table. Cells C11, C131 – C140.</p>	
Version 1.0.1	<p>Hedgerow tab – <i>‘See the Statutory Biodiversity Metric Technical Annex 2 and UK Habitat Classification’</i> removed, leaving just the UKHab link.</p> <p>Intertidal biogenic reefs tab – changed <i>‘see the Statutory Biodiversity Metric Technical Annex 2’</i> to say <i>‘see tab G1 of the Statutory Biodiversity Metric’</i>.</p> <p>Intertidal hard structures tab – changed <i>‘see the Statutory Biodiversity Metric Technical Annex 2’</i> to say <i>‘see tab G1 of the Statutory Biodiversity Metric’</i>.</p> <p>Intertidal seagrass tab– changed <i>‘see the Statutory Biodiversity Metric Technical Annex 2’</i> to say <i>‘see tab G1 of the Statutory Biodiversity Metric’</i>.</p> <p>Intertidal sediment tab– changed <i>‘see the Statutory Biodiversity Metric Technical Annex 2’</i> to say <i>‘see tab G1 of the Statutory Biodiversity Metric’</i>.</p> <p>Pond tab– removed <i>‘For ponds (non-priority) – see the Statutory Biodiversity Metric Technical Annex 2.’</i></p> <p>Habitat Definitions tab – cell E48 – removed reference to <i>‘<2ha’</i> for Ornamental lake or pond.</p> <p>Habitat Definitions tab – cell E54, E55 – changed <i>‘<2ha’</i>, from Ponds (priority) and Ponds (non-priority) to <i>‘<2ha’</i>.</p> <p>Habitat Definitions tab - row 55 – removed references to Ponds (non-priority) having a definition different to that in UKHab.</p>	12th February 2024