

The Biodiversity Metric 3.1 - Calculation Tool

Start page

| Project details | |
|---------------------------------|---|
| Planning authority: | S Cambs DC |
| Project name: | CN Phase 2 tree numbers & drainage amendments - no off-site |
| Applicant: | Brookgate |
| Application type: | Hybrid |
| Planning application reference: | (landscape/Ecology strategy GF & Roof RevP2 & RevP2) |
| Assessor: | Mike Barker |
| Reviewer: | Matt Fasham/Jennifer Berry |
| Metric version: | 3.1 |
| Assessment date: | 18/04/2023 |
| Planning authority reviewer: | |

Instructions

Main menu

Results

Cell style conventions

| | |
|--|------------------|
| | Enter data |
| | Automatic lookup |
| | Result |

View all

Reset view

On-site baseline map

Insert

On-site post intervention map

Insert

Off-site baseline map

Insert

Off-site post intervention map

Insert

The Biodiversity Metric 3.1 - Calculation Tool Main menu

Key

-  Area habitats
-  Hedgerows and lines of trees
-  Rivers and streams

- Start page
- Instructions
- Technical data
- Results

| Urban tree helper | | | | | | |
|-------------------|--|---------------|------------|--------------|----------|---------------|
| Tree size | Number of trees and area (ha) for each condition state | | | | | |
| | Poor | Area | Moderate | Area | Good | Area |
| Small | | 0.0000 | 147 | 0.5982 | | 0.0000 |
| Medium | 3 | 0.1099 | 143 | 5.2374 | | 0.0000 |
| Large | | 0.0000 | 85 | 6.4953 | | 0.0000 |
| Total | 3 | 0.1099 | 375 | ##### | 0 | 0.0000 |







Start here






On-site baseline

- A-1 On-site habitat baseline 
- B-1 On-site hedge baseline 
- C-1 On-site river baseline 







On-site post development

- A-2 Habitat creation 
- A-3 Habitat enhancement 
- B-2 Hedgerow creation 
- B-3 Hedgerow enhancement 
- C-2 River creation 
- C-3 River enhancement 

Off-site baseline

- D-1 Off-site habitat baseline 
- E-1 Off-site hedge baseline 
- F-1 Off-site river baseline 

Off-site post development

- D-2 Off-site habitat creation 
- D-3 Off-site habitat enhancement 
- E-2 Off-site hedge creation 
- E-3 Off-site hedge enhancement 
- F-2 Off-site river creation 
- F-3 Off-site river enhancement 

The Biodiversity Metric 3.1 - Calculation Tool Results

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page

Headline results

Detailed results

Habitat trading
summary

Headline Results

Return to results menu

| | | |
|---|-----------------------|---------|
| On-site baseline | <i>Habitat units</i> | 48.86 |
| | <i>Hedgerow units</i> | 0.00 |
| | <i>River units</i> | 0.00 |
| On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small> | <i>Habitat units</i> | 88.08 |
| | <i>Hedgerow units</i> | 0.27 |
| | <i>River units</i> | 0.00 |
| On-site net % change <small>(Including habitat retention, creation & enhancement)</small> | <i>Habitat units</i> | 80.27% |
| | <i>Hedgerow units</i> | 100.00% |
| | <i>River units</i> | 0.00% |
| Off-site baseline | <i>Habitat units</i> | 0.00 |
| | <i>Hedgerow units</i> | 0.00 |
| | <i>River units</i> | 0.00 |
| Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small> | <i>Habitat units</i> | 0.00 |
| | <i>Hedgerow units</i> | 0.00 |
| | <i>River units</i> | 0.00 |
| Total net unit change <small>(including all on-site & off-site habitat retention, creation & enhancement)</small> | <i>Habitat units</i> | 39.22 |
| | <i>Hedgerow units</i> | 0.27 |
| | <i>River units</i> | 0.00 |
| Total on-site net % change plus off-site surplus <small>(including all on-site & off-site habitat retention, creation & enhancement)</small> | <i>Habitat units</i> | 80.27% |
| | <i>Hedgerow units</i> | 100.00% |
| | <i>River units</i> | 0.00% |
| Trading rules Satisfied? | Yes ✓ | |

Return to results menu

Trading Summary

| Distinctiveness Group | Trading Rule | Trading Satisfied? |
|-----------------------|---|--------------------|
| Very High | Bespoke compensation likely to be required ✖ | Yes ✓ |
| High | Same habitat required = | Yes ✓ |
| Medium | Same broad habitat or a higher distinctiveness habitat required (2) | No ▲ |
| Low | Same distinctiveness or better habitat required ≥ | Yes ✓ |

Very High Distinctiveness

| Habitat group | Group | On Site Unit Change | Off Site Unit Change | Project wide Unit Change | Unit Losses |
|--|-------------------------|---------------------|----------------------|--------------------------|-------------|
| Grassland - Lowland dry acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Lowland meadows | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Upland hay meadows | Grassland | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Mountain heaths and willow scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Lakes - Aquifer fed naturally fluctuating water bodies | Lakes | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Calaminarian grasslands | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Limestone pavement | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Wetland - Blanket bog | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Depressions on Peat substrates (H7150) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Fens (upland and lowland) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Lowland raised bog | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Oceanic Valley Mire(1) (D2.1) | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Purple moor grass and rush pastures | Wetland | 0.00 | 0.00 | 0.00 | |
| Wetland - Transition mires and quaking bogs (H7140) | Wetland | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Wood pastures and parkland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Rocky shore - High energy littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Moderate energy littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Low energy littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Features of littoral rock - on peat, clay or chalk | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral seagrass on peat, clay or chalk | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| | | 0.00 | 0.00 | 0.00 | 0.00 |

Very High Distinctiveness Summary

| | |
|---|------|
| Very High Distinctiveness Units available to offset lower distinctiveness deficit | 0.00 |
|---|------|

High Distinctiveness

| Habitat group | Group | On Site Unit Change | Off Site Unit Change | Project wide Unit Change | Losses not yet accounted for |
|--|-------------------------|---------------------|----------------------|--------------------------|------------------------------|
| Grassland - Traditional orchards | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Floodplain Wetland Mosaic (CFGM) | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Lowland calcareous grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Tall herb communities (H6430) | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Upland calcareous grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Lowland Heathland | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Sea buckthorn scrub (Annex 1) | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Upland Heathland | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Lakes - High alkalinity lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Low alkalinity lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Mat Lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Moderate alkalinity lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Peat Lakes | Lakes | 0.00 | 0.00 | 0.00 | |
| Lakes - Ponds (Priority Habitat) | Lakes | 0.38 | 0.00 | 0.38 | |
| Lakes - Temporary lakes, ponds and pools | Lakes | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Coastal sand dunes | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Coastal vegetated shingle | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Inland rock outcrop and scree habitats | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Maritime cliff and slopes | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Urban - Open Mosaic Habitats on Previously Developed Land | Urban | 0.88 | 0.00 | 0.88 | |
| Wetland - Reedbeds | Wetland | 0.32 | 0.00 | 0.32 | |
| Woodland and forest - Felled | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Lowland beech and yew woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Lowland mixed deciduous woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Native pine woodlands | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Upland birchwoods | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Upland mixed ashwoods | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Upland oakwood | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Wet woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Coastal lagoons - Coastal lagoons | Coastal lagoons | 0.00 | 0.00 | 0.00 | |
| Rocky shore - High energy littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Moderate energy littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Low energy littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Rocky shore - Features of littoral rock | Rocky shore | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mud | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral mixed sediments | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Coastal saltmarsh - Saltmarshes and saline reedbeds | Coastal saltmarsh | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral biogenic reefs - Mussels | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral biogenic reefs - Sabellaria | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Features of littoral sediment | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral muddy sand | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| | | 1.88 | 0.00 | 1.88 | 0.00 |

High Distinctiveness Summary

| | |
|--|------|
| High Distinctiveness Units available to offset lower distinctiveness deficit | 1.88 |
| Unit Deficit: Like for like not satisfied | 0.00 |

Medium Distinctiveness

| Habitat Group | Group | On site unit change | Off Site Unit Change | Project wide unit change | Cumulative Broad Habitat Change |
|--|-------------------------|---------------------|----------------------|--------------------------|---------------------------------|
| Cropland - Arable field margins cultivated annually | Cropland | 0.00 | 0.00 | 0.00 | |
| Cropland - Arable field margins game bird mix | Cropland | 0.00 | 0.00 | 0.00 | 0.00 |
| Cropland - Arable field margins pollen & nectar | Cropland | 0.00 | 0.00 | 0.00 | |
| Cropland - Arable field margins tussocky | Cropland | 0.00 | 0.00 | 0.00 | |
| Grassland - Other lowland acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Grassland - Other neutral grassland | Grassland | 3.15 | 0.00 | 3.15 | 3.15 |
| Grassland - Upland acid grassland | Grassland | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Blackthorn scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Bramble scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Gorse scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Hawthorn scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Hazel scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 | |
| Heathland and shrub - Mixed scrub | Heathland and shrub | -9.17 | 0.00 | -9.17 | -9.17 |
| Lakes - Ponds (Non-Priority Habitat) | Lakes | 1.43 | 0.00 | 1.43 | 1.43 |
| Lakes - Reservoirs | Lakes | 0.00 | 0.00 | 0.00 | |
| Sparsely vegetated land - Other inland rock and scree | Sparsely vegetated land | 0.00 | 0.00 | 0.00 | |
| Urban - Cemeteries and churchyards | Urban | 0.00 | 0.00 | 0.00 | |
| Urban - Biodiverse green roof | Urban | 0.00 | 0.00 | 0.00 | |
| Urban - Urban Tree | Urban | 43.35 | 0.00 | 43.35 | 43.35 |
| Woodland and forest - Other Scot's Pine woodland | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Woodland and forest - Other woodland: broadleaved | Woodland and forest | -4.85 | 0.00 | -4.85 | -4.85 |
| Woodland and forest - Other woodland: mixed | Woodland and forest | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral coarse sediment | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal sediment - Littoral sand | Intertidal sediment | 0.00 | 0.00 | 0.00 | |
| Intertidal Hard Structures - Artificial hard structures with Integrated Greening of Grey Infrastructure (IGGI) | Intertidal | 0.00 | 0.00 | 0.00 | 0.00 |
| | | 33.91 | 0.00 | 33.91 | |

Medium Distinctiveness Summary

| | |
|---|--------|
| Medium Distinctiveness Units available to offset lower distinctiveness deficit | 47.94 |
| Medium Distinctiveness Broad Habitat Deficit to be offset by trading up | -14.03 |
| Higher distinctiveness surplus units minus Medium Distinctiveness Broad Habitat Deficit | 0.00 |
| Cumulative surplus of units | 47.94 |

Low Distinctiveness

| Habitat group | Group | On site unit change | Off Site Unit Change | Project wide unit change |
|---|-------------------------|---------------------|----------------------|--------------------------|
| Cropland - Cereal crops | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Horticulture | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Intensive orchards | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Non-cereal crops | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Temporary grass and clover leys | Cropland | 0.00 | 0.00 | 0.00 |
| Cropland - Cereal crops winter stubble | Cropland | 0.00 | 0.00 | 0.00 |
| Grassland - Modified grassland | Grassland | -1.13 | 0.00 | -1.13 |
| Grassland - Bracken | Grassland | 0.00 | 0.00 | 0.00 |
| Heathland and shrub - Rhododendron scrub | Heathland and shrub | 0.00 | 0.00 | 0.00 |
| Lakes - Ornamental lake or pond | Lakes | 0.00 | 0.00 | 0.00 |
| Sparsely vegetated land - Ruderal/Exhemeral | Sparsely vegetated land | 0.00 | 0.00 | 0.00 |
| Urban - Bioswale | Sparsely vegetated land | 0.00 | 0.00 | 0.00 |
| Urban - Allotments | Urban | 3.52 | 0.00 | 3.52 |
| Urban - Facade-bound green wall | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Green roof | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Ground level planter | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Other green roof | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Intensive green roof | Urban | 1.27 | 0.00 | 1.27 |
| Urban - Introduced shrub | Urban | -0.12 | 0.00 | -0.12 |
| Urban - Rain garden | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Actively worked sand pit quarry or open cast mine | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Sustainable urban drainage features | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Vacant/derelict land/ bareground | Urban | 0.00 | 0.00 | 0.00 |
| Urban - Vegetated garden | Urban | 0.00 | 0.00 | 0.00 |
| Woodland and forest - Other coniferous woodland | Woodland and forest | 0.00 | 0.00 | 0.00 |
| Coastal saltmarsh - Artificial saltmarshes and saline reedbeds | Coastal saltmarsh | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral coarse sediment | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral mud | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral sand | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral muddy sand | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral mixed sediments | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral seagrass | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal sediment - Artificial littoral biogenic reefs | Intertidal sediment | 0.00 | 0.00 | 0.00 |
| Intertidal Hard Structures - Artificial hard structures | Intertidal | 0.00 | 0.00 | 0.00 |
| Intertidal Hard Structures - Artificial features of hard structures | Intertidal | 0.00 | 0.00 | 0.00 |
| Heathland and shrub - Sea buckthorn scrub (other) | Heathland and shrub | 0.00 | 0.00 | 0.00 |
| | | 3.63 | 0.00 | 3.63 |

Low Distinctiveness Summary

| | |
|---|-------|
| Low Distinctiveness Net Change in Units | 3.63 |
| Cumulative surplus of units | 91.97 |

