

The Statutory Biodiversity Metric

Auditing and accounting for biodiversity

Calculation Tool

Version 1.0.3

[Open Tool](#)



The Statutory Biodiversity Metric

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Project details			
Planning authority:	Kirklees Council		
Project name:	Land at Main Avenue, Cowlersley, Huddersfield, HD4 5US		
Applicant:	Thirteen Group		
Application type:	Residential Development		
Planning application reference:	2024/62/93605/W		
Completed by:	David Lovett MBioSci (Hons) ACIEEM		
Date of metric completion:	24 September 2025		
Reviewer:	Mary Fleming		
Calculation iteration:	BM-7172-01E		
Planning authority reviewer:			
Date of planning authority review:			
Target % net gain:	10%		
Irreplaceable habitat present at baseline:	No ✓		
Total site area - including irreplaceable habitat area (hectares):	2.14	Irreplaceable habitat site area (hectares):	0.00
Total off-site area - including irreplaceable habitat area (hectares):	N/A	Irreplaceable habitat area off-site (hectares):	N/A

Cell style conventions	
	Attention required
	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter date
	Automatic lookup
	Result

On-site baseline map

On-site baseline map reference number

Off-site baseline map

Off-site baseline map reference number

On-site post intervention map

On-site post-intervention map reference number

Off-site post intervention map

Off-site post-intervention reference number

Main menu

Results

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Key

- Area habitats
- Hedgerows and lines of trees
- Watercourses

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Technical data

Results

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On-site baseline

- A-1 On-site Area Habitat Baseline**
- B-1 On-site Hedge Baseline**
- C-1 On-site Watercourse Baseline**

On-site post development

- A-2 On-site Area Habitat Creation**
- A-3 On-site Area Habitat Enhancement**
- B-2 On-site Hedge Creation**
- B-3 On-site Hedge Enhancement**
- C-2 On-site Watercourse Creation**
- C-3 On-site Watercourse Enhancement**

Off-site baseline

- D-1 Off-site Area Habitat Baseline**
- E-1 Off-site Hedge Baseline**
- F-1 Off-site Watercourse Baseline**

Off-site post development

- D-2 Off-site Area Habitat Creation**
- D-3 Off-site Area Habitat Enhancement**
- E-2 Off-site Hedge Creation**
- E-3 Off-site Hedge Enhancement**
- F-2 Off-site Watercourse Creation**
- F-3 Off-site Watercourse Enhancement**

Tree helper

Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small	0.0000		0.0000		56	0.2280
Medium	0.0000		0.0000			0.0000
Large	0.0000		0.0000			0.0000
Very large	0.0000		0.0000			0.0000
Total	0	0.0000	0	0.0000	56	0.2280

The Statutory Biodiversity Metric Results

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Land at Main Avenue, Cowlersley, Huddersfield, HL

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Headline Results

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On-site baseline	Habitat units	34.99		
	Hedgerow units	0.00		
	Watercourse units	0.00		
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	9.41		
	Hedgerow units	0.25		
	Watercourse units	0.00		
On-site net change <small>(units & percentage)</small>	Habitat units	-25.58	-73.11%	On-site net gain is less than target set ▲
	Hedgerow units	0.25	N/A	Zero baseline units - % cannot be calculated
	Watercourse units	0.00	0.00%	

Off-site baseline	Habitat units	0.00		
	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	0.00		
	Hedgerow units	0.00		
	Watercourse units	0.00		
Off-site net change <small>(units & percentage)</small>	Habitat units	0.00	0.00%	
	Hedgerow units	0.00	0.00%	
	Watercourse units	0.00	0.00%	

Combined net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	-25.58		
	Hedgerow units	0.25		
	Watercourse units	0.00		
Spatial risk multiplier (SRM) deductions	Habitat units	0.00		
	Hedgerow units	0.00		
	Watercourse units	0.00		

FINAL RESULTS

Total net unit change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	-25.58		
	Hedgerow units	0.25		
	Watercourse units	0.00		
Total net % change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	-73.11%	Total net gain achieved is less than target set ▲	
	Hedgerow units	N/A	0 baseline units - % cannot be calculated	
	Watercourse units	0.00%		

Trading rules satisfied?	No - Check Trading Summaries ▲
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Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	34.99	38.49	29.08	
Hedgerow units	10.00%	0.00	0.00	0.00	No additional hedgerow units required to meet target ✓
Watercourse units	10.00%	0.00	0.00	0.00	No additional watercourse units required to meet target ✓

Input errors/rule breaks present in metric ▲

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Trading summary hedgerows

Trading summary watercourses

Trading Summary			
Distinctiveness Group	Trading Rule	Trading Satisfied?	
Very High	Same habitat required - bespoke compensation option A	Yes ✓	
High	Same habitat required =	Yes ✓	
Medium	Same habitat required or higher distinctiveness habitat required	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 meadow	Grassland	0.00	0.00	0.00	
Grassland - Upland hay meadows	Grassland	0.00	0.00	0.00	
Heathland and shrub - Mountain heath and willow scrub	Heathland and shrub	0.00	0.00	0.00	
Lakes - Artificial fish artificially constructed water bodies	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Calluna heath	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 (F1/F5)	Wetland	0.00	0.00	0.00	
Wetland - Fen	Wetland	0.00	0.00	0.00	
Wetland - Lowland raised bog	Wetland	0.00	0.00	0.00	
Wetland - Ouseau valley mire (F1/F2)	Wetland	0.00	0.00	0.00	
Wetland - Purple moor grass and rush heath	Wetland	0.00	0.00	0.00	
Wetland - Transition mire and spongy bog (F1/F4)	Wetland	0.00	0.00	0.00	
Woodland and forest - Wood pasture and parkland	Woodland and forest	0.00	0.00	0.00	
Body above - High energy littoral rock - on peat, clay or chalk	Body above	0.00	0.00	0.00	
Body above - Moderate energy littoral rock - on peat, clay or chalk	Body above	0.00	0.00	0.00	
Body above - Low energy littoral rock - on peat, clay or chalk	Body above	0.00	0.00	0.00	
Body above - Features of littoral rock - on peat, clay or chalk	Body above	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
Remaining losses: Like for like not satisfied	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 meadow mosaic and CP2M	Grassland	0.00	0.00	0.00	
Grassland - Pasture with scattered trees	Grassland	0.00	0.00	0.00	
Grassland - Tall herb communities (F4/F5)	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 - Dunes with sea buckthorn (H1/H2)	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 altitude lake	Lakes	0.00	0.00	0.00	
Lakes - Low altitude lake	Lakes	0.00	0.00	0.00	
Lakes - Merl lakes	Lakes	0.00	0.00	0.00	
Lakes - Moderate altitude lakes	Lakes	0.00	0.00	0.00	
Lakes - Peat lakes	Lakes	0.00	0.00	0.00	
Lakes - Fenland (fenland habitat)	Lakes	0.00	0.00	0.00	
Lakes - Fenland lakes ponds and pools (F11/F12)	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 heath	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Dunes rock outcrop and grass habitats	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Maritime cliff and dunes	Sparsely vegetated land	0.00	0.00	0.00	
Urbans - Open mosaic habitats (not necessarily developed land)	Urbans	0.00	0.00	0.00	
Wetland - Reedbeds	Wetland	0.00	0.00	0.00	
Woodland and forest - Field/enclosure for field woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland broad leaf tree 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 tree woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland hardwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland mixed hardwoods	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Upland mixed softwoods	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	
Body above - High energy littoral rock	Body above	0.00	0.00	0.00	
Body above - Moderate energy littoral rock	Body above	0.00	0.00	0.00	
Body above - Low energy littoral rock	Body above	0.00	0.00	0.00	
Body above - Features of littoral rock	Body above	0.00	0.00	0.00	
Intertidal sediment - Littoral sand	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 brackish water - Mangrove	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral brackish water - Subtidal	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	
Intertidal sediment - Littoral pebbles	Intertidal sediment	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00

High Distinctiveness Summary	
High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses: 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 and nectar	Cropland	0.00	0.00	0.00	
Cropland - Arable field margins heathery	Cropland	0.00	0.00	0.00	
Grassland - Other sward or heath	Grassland	0.00	0.00	0.00	
Grassland - Upland acid or heath	Grassland	-11.17	0.00	-11.17	
Heathland and shrub - Blanket bog	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Birch scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Cistus scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Heath scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Willow scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Mixed scrub	Heathland and shrub	0.00	0.00	0.00	
Lakes - Fenland (fenland habitat)	Lakes	0.00	0.00	0.00	0.00
Lakes - Fenland	Lakes	0.00	0.00	0.00	0.00
Sparsely vegetated land - Other island rock and dunes	Sparsely vegetated land	0.00	0.00	0.00	0.00
Urban - Cemetery and churchyards	Urban	0.00	0.00	0.00	0.00
Urban - Residential green roof	Urban	0.00	0.00	0.00	0.00
Urban - Wooded green roof	Urban	0.00	0.00	0.00	0.00
Woodland and forest - Broad leaf	Woodland and forest	-2.22	0.00	-2.22	-2.22
Woodland and forest - Other Scott's pine woodlands	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Other woodland mixed	Woodland and forest	0.00	0.00	0.00	
Intertidal sediment - Littoral mixed sediments	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral sand	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral pebbles	Intertidal sediment	0.00	0.00	0.00	
Intertidal hard structures - Artificial hard structures with integrated greening (R2/R3)	Intertidal hard structures	-28.88	0.00	-28.88	
		0.00	0.00	0.00	0.00

Medium Distinctiveness Summary	
Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.00
Medium Distinctiveness Broad Habitat losses to be offset by remaining surplus	-28.88
High Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit	-28.88
Cumulative surplus of units	-28.88

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 - Herbaceous	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 or use and sown area	Cropland	0.00	0.00	0.00	
Cropland - Winter stubble	Cropland	0.00	0.00	0.00	
Grassland - Improved grassland	Grassland	0.00	0.00	0.00	
Grassland - Rough	Grassland	0.00	0.00	0.00	
Heathland and shrub - Blanket bog 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 - Rock outcrop	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Tall herb	Sparsely vegetated land	0.00	0.00	0.00	
Urban - Barren ground	Urban	0.00	0.00	0.00	
Urban - Allotments	Urban	0.00	0.00	0.00	
Urban - Backfill ground across wall	Urban	0.00	0.00	0.00	
Urban - Ground based green wall	Urban	0.00	0.00	0.00	
Urban - Ground level planters	Urban	0.00	0.00	0.00	
Urban - Other green roof	Urban	0.00	0.00	0.00	
Urban - Intensive green roof	Urban	0.00	0.00	0.00	
Urban - Lawn garden	Urban	0.00	0.00	0.00	
Urban - Actively wooded sand pit quarry or open cast mine	Urban	0.00	0.00	0.00	
Urban - Sustainable drainage system	Urban	0.00	0.00	0.00	
Urban - Vacant or derelict land	Urban	0.00	0.00	0.00	
Woodland and forest - Other deciduous woodland	Woodland and forest	0.00	0.00	0.00	
Coastal saltmarsh - Artificial saltmarsh and saline reedbeds	Coastal saltmarsh	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral mixed sediments	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 silt	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 pebbles	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Artificial littoral pebbles, silt	Intertidal sediment	0.00	0.00	0.00	
Intertidal hard structures - Artificial hard structures	Intertidal hard structures	0.00	0.00	0.00	
Intertidal hard structures - Artificial freshwater hard structures	Intertidal hard structures	0.00	0.00	0.00	
Heathland and shrub - Other sea bordering scrub	Heathland and shrub	0.00	0.00	0.00	
		0.00	0.00	0.00	0.00

Low Distinctiveness Summary	
Low Distinctiveness net change in units	0.00
Cumulative surplus of units	0.00

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Trading summary area habitats

Trading summary watercourses

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required =	Yes ✓
High	Like for like or better	Yes ✓
Medium	Same distinctiveness or better habitat required	Yes ✓
Low	Same distinctiveness or better habitat required	Yes ✓
Very Low	Same distinctiveness or better habitat required	Yes ✓

Very High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow with trees - associated with bank or ditch	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
Remaining losses: Like for like not calculated	0.00

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow with trees	0.00	0.00	0.00
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00
	0.00	0.00	0.00

High Distinctiveness Summary

High Distinctiveness: Units available to offset lower distinctiveness deficit	0.00
High Distinctiveness losses to be offset for trading up	0.00
Higher Distinctiveness margins: units increase any high distinctiveness deficit	0.00

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow	0.00	0.00	0.00
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00
Native hedgerow with trees	0.00	0.00	0.00
Ecologically valuable tree or trees	0.00	0.00	0.00
Ecologically valuable broad leaved trees - associated with bank or ditch	0.00	0.00	0.00
	0.00	0.00	0.00

Medium Distinctiveness Summary

Units available from higher distinctiveness habitats	0.00
Medium Distinctiveness net change in units	0.00
Cumulative availability of units	0.00

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Native hedgerow	0.25	0.00	0.25 ✓
Tree or trees	0.00	0.00	0.00
Tree of trees - associated with bank or ditch	0.00	0.00	0.00
	0.25	0.00	0.25

Low Distinctiveness Summary

Low Distinctiveness net change in units	0.25	✓
Cumulative availability of units	0.25	✓

Very Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Non-native and ornamental hedgerow	0.00	0.00	0.00
	0.00	0.00	0.00

Very Low Distinctiveness Summary

Very Low Distinctiveness net change in units	0.00
Cumulative availability of units	0.25

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Trading summary area habitats

Trading summary hedgerows

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required - bespoke compensation option A	Yes ✓
High	Same habitat required =	Yes ✓
Medium	Same habitat required =	Yes ✓
Low	Better distinctiveness habitat required	Yes ✓

Very High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Priority habitat	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
Remaining losses: Like the site not available	0.00

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Other rivers and streams	0.00	0.00	0.00
	0.00	0.00	0.00

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses: Like the site not available	0.00

Medium Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Ditches	0.00	0.00	0.00
Canals	0.00	0.00	0.00
	0.00	0.00	0.00

Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset lower distinctiveness deficit	0.00
Remaining losses: Like the site not available	0.00

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project-wide unit change
Culvert	0.00	0.00	0.00
	0.00	0.00	0.00

Low Distinctiveness Summary

Low Distinctiveness net change in units	0.00
Cumulative availability of units	0.00

