

The Statutory Biodiversity Metric

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Project details

Planning authority:	Hertsmere Borough Council		
Project name:	Maple House, Potters Bar		
Applicant:	Chase New Homes		
Application type:	Full Planning Permission		
Planning application reference:			
Completed by:	Emily Costello MCIEEM		
Date of metric completion:	18th June 2026		
Reviewer:	Nick Aldus MCIEEM		
Calculation iteration:	1		
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):	1.63	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

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Cell style conventions

⚠	Attention required
⚠	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

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On-site baseline map

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On-site post intervention map

[Insert](#)

On-site baseline map reference number

Off-site baseline map

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On-site post-intervention map reference number

Off-site post intervention map

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Off-site baseline map reference number

Off-site post-intervention reference number

Maple House, Potters Bar

Headline Results

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On-site baseline	Area habitat units	3.39	
	Hedgerow units	0.00	
	Watercourse units	0.00	
On-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	3.99	
	Hedgerow units	0.00	
	Watercourse units	0.00	
On-site net change (units & percentage)	Area habitat units	0.59	17.53%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%

Off-site baseline	Area habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention (Including habitat retention, creation & enhancement)	Area habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change (units & percentage)	Area habitat units	0.00	0.00%
	Hedgerow units	0.00	0.00%
	Watercourse units	0.00	0.00%

Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	0.59	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Spatial risk multiplier (SRM) deductions	Area habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	0.59	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Area habitat units	17.53%	
	Hedgerow units	0.00%	

(Working in on the 1 of the habitat creation, creation & enhancement)	<i>Watercourse units</i>	0.00%
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Trading rules satisfied?	Yes ✓
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Unit Type	Target	Baseline Units	Units Required	Unit Deficit
<i>Area habitat units</i>	10.00%	3.39	3.73	0.00
<i>Hedgerow units</i>	10.00%	0.00	0.00	0.00
<i>Watercourse units</i>	10.00%	0.00	0.00	0.00

No additional area habitat units required to meet target ✓

No additional hedgerow units required to meet target ✓

No additional watercourse units required to meet target ✓

Detailed Results

Net project biodiversity units

Total project biodiversity % change

Combined habitat retention	
0	0
1	1
2	2
3	3
4	4
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97	97
98	98
99	99
100	100

Hedgerows and lines of trees

	Cumulative Grade

	Combined on-site and off-site

Area change by habitat group (hectares)

Habitat Group	Green (existing)	Blue (proposed)	Red (old existing)	Brown (old proposed)	Yellow (combined change)
Coastal	0.00	0.02	0.00	0.00	0.02
Woodland	0.00	0.00	0.00	0.00	0.00
Woodland and scrub	0.00	-0.05	0.00	0.00	-0.05
Grassland	0.00	0.00	0.00	0.00	0.00
Open grassland	0.00	0.00	0.00	0.00	0.00
Forest	0.00	0.58	0.00	0.00	0.58
Woodland	0.00	0.00	0.00	0.00	0.00
Woodland and scrub	0.00	0.00	0.00	0.00	0.00
Open grassland	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00
Woodland	0.00	0.00	0.00	0.00	0.00
Open grassland	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00
Woodland	0.00	0.00	0.00	0.00	0.00
Open grassland	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00
Woodland	0.00	0.00	0.00	0.00	0.00
Open grassland	0.00	0.00	0.00	0.00	0.00
Grassland	0.00	0.00	0.00	0.00	0.00

Figure 1 is a bar chart titled "Hedgehog length change (mm)". The y-axis represents length change in millimeters, ranging from 0.00 to 2.00 in increments of 0.20. The x-axis lists 15 species: *Spermophilus macrotis*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, *Spermophilus eremicus*, and *Spermophilus eremicus*. The legend indicates five categories: Blue (water-matching length), Black (10-cm pre-purposed length), Red (10-cm post-purposed length), Green (10-cm water-matching length), and Yellow (10-cm water-matching length). The chart shows that for most species, the length change is relatively small, with some species showing a slight increase in length (up to 0.20 mm) and others showing a slight decrease (down to -0.20 mm).

Use type	Baseline		Post-development on-site		On-site change	
	Combined existing growth	Combined existing flow	Combined proposed growth	Combined proposed value	Combined growth change	Combined unit change
Industrial	0.0	0.0	0.0	0.0	0.0	0.0
Office	0.0	0.0	0.0	0.0	0.0	0.0
Commercial	0.0	0.0	0.0	0.0	0.0	0.0
Residential	0.0	0.0	0.0	0.0	0.0	0.0
Other	0.0	0.0	0.0	0.0	0.0	0.0

Waterscourse length change (km)

Waterscourse	Priority habitat	Other core environments	Discrete	Scarce	Extinct
Old site existing length	0.0	0.0	0.0	0.0	0.0
Old site proposed length	0.0	0.0	0.0	0.0	0.0
Old site existing length	0.0	0.0	0.0	0.0	0.0
Old site proposed length	0.0	0.0	0.0	0.0	0.0
Waterscourse length change	0.0	0.0	0.0	0.0	0.0

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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 level habitat or a higher distinctiveness habitat required **	Yes ✓	
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
Cropland - Lowland dry acid grassland	Cropland	0.00	0.00	0.00	
Cropland - Lowland meadows	Cropland	0.00	0.00	0.00	
Cropland - Upland hay meadows	Cropland	0.00	0.00	0.00	
Heathland and shrub - Mountain heaths and yellow 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 - Colonisation on peat	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 subsoil (H2150)	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) (H21)	Wetland	0.00	0.00	0.00	
Wetland - Purple moor grass and rush pastures	Wetland	0.00	0.00	0.00	
Wetland - Transition mire and quaking bog (H2140)	Wetland	0.00	0.00	0.00	
Woodland and forest - Wood pasture	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 sand, 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 deposit 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
Cropland - Traditional orchards	Cropland	0.00	0.00	0.00	
Cropland - Floodplain wetland mosaic and CFCM	Cropland	0.00	0.00	0.00	
Cropland - Lowland calcareous grassland	Cropland	0.00	0.00	0.00	
Cropland - Tall herb communities (H0430)	Cropland	0.00	0.00	0.00	
Cropland - Upland calcareous grassland	Cropland	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 ana trackform (H0100)	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 - Marl 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	0.00	0.00	0.00	
Lakes - Temporary lakes ponds and pools (H0170)	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 shrub	Sparsely vegetated land	0.00	0.00	0.00	
Sparsely vegetated land - Intertidal scrub and sedge 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 - Green mosaic habitats on previously developed land	Urban	0.00	0.00	0.00	
Wetland - Broadleaved	Wetland	0.00	0.00	0.00	
Woodland and forest - Felled/Reforestation for felled woodland	Woodland and forest	0.00	0.00	0.00	
Woodland and forest - Lowland broad 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 deciduous	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 landscape - Coastal landscape	Coastal landscape	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 - Mounds	Intertidal sediment	0.00	0.00	0.00	
Intertidal sediment - Littoral biogenic reefs - Sublittoral	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 shingle	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 tussock	Cropland	0.00	0.00	0.00	
Grassland - Other lowland acid grassland	Grassland	0.00	0.00	0.00	
Grassland - Other neutral grassland	Grassland	0.00	0.00	0.00	0.00
Grassland - Upland acid grassland	Grassland	0.00	0.00	0.00	
Heathland and shrub - Blanket bog	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Bracken scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Cane scrub	Heathland and shrub	0.00	0.00	0.00	
Heathland and shrub - Hawthorn scrub	Heathland and shrub	0.00	0.00	0.00	0.35 ✓
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	
Heathland and shrub - Mixed scrub	Heathland and shrub	0.35	0.00	0.35	
Lakes - Ponds (not priority habitat)	Lakes	0.00	0.00	0.00	0.00
Lakes - Reservoir	Lakes	0.00	0.00	0.00	
Sparsely vegetated land - Other inland rock and scree	Sparsely vegetated land	0.00	0.00	0.00	0.00
Urban - Cemeteries and churchyards	Urban	0.00	0.00	0.00	0.00
Urban - Rock/stone green roof	Urban	0.00	0.00	0.00	
Individual trees - Mixed tree	Individual trees	0.00	0.00	0.00	0.00
Individual trees - Broad tree	Individual trees	0.00	0.00	0.00	0.00 ✓
Individual trees - Broad tree	Individual trees	0.00	0.00	0.00	
Woodland and forest - Other broad/deciduous broadleaved	Woodland and forest	0.00	0.00	0.00	0.00
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	0.00
Intertidal hard structures - Artificial hard structures with integrated greening of grey infrastructure (GCC)	Intertidal hard structures	0.00	0.00	0.00	
		0.44	0.00	0.44	

Medium Distinctiveness Summary	
Medium Distinctiveness Units available to offset lower distinctiveness deficit	0.44 ✓
Medium Distinctiveness broad habitat losses to be offset by trading up	0.00
Medium Distinctiveness Unit deficit (expressed in project wide unit deficit)	0.00

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 - Water stubble	Cropland	0.00	0.00	0.00
Grassland - Mountain grassland	Grassland	0.00	0.00	0.00
Grassland - Broadleaved	Grassland	0.00	0.00	0.00
Heathland and shrub - Rhododendron scrub	Heathland and shrub	0.00	0.00	0.00
Lakes - Channelled lake or pond	Lakes	0.00	0.00	0.00
Sparsely vegetated land - Ruderal/semi-ruderal	Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land - Tall forbs	Sparsely vegetated land	0.00	0.00	0.00
Urban - Berries	Urban	0.00	0.00	0.00
Urban - Bare ground	Urban	0.00	0.00	0.00
Urban - Alkaline	Urban	0.00	0.00	0.00
Urban - Facade-bound green wall	Urban	0.00	0.00	0.00
Urban - Shrub-bound green wall	Urban	0.00	0.00	0.00
Urban - Ground level planters	Urban	0.00	0.00	0.00

Low Distinctiveness Summary	
Units available to offset Low Distinctiveness deficit	0.44 ✓
Low Distinctiveness net change in units	0.15 ✓
Cumulative surplus of units	0.60 ✓

Urban - Other green roof	Urban	0.00	0.00	0.00
Urban - intensive green roof	Urban	0.00	0.00	0.00
Urban - Interoakland street	Urban	0.00	0.00	0.00
Urban - Back 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 - Interoakland landscape system	Urban	0.10	0.00	0.10
Urban - Vacant or derelict land	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 rocky shell	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 seaweeds	Intertidal sediment	0.00	0.00	0.00
Intertidal sediment - Artificial littoral bivalve reefs	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 features of hard structures	Intertidal hard structures	0.00	0.00	0.00
Nonland and shrub - Other sea buckthorn scrub	Nonland and shrub	0.00	0.00	0.00
		0.10	0.00	0.10

[illegible]

Project Name: Maple House, Polara Rd. - Main Ref: 123456789

A-2 On-Site Habitat Creation

Condition / Show Columns

Condition / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	0.80
Total Net % Change	17.88%
Trading Status Indicated	Yes ✓
Area Check:	Area Acceptable ✓

Post Intervention Habitat												
Ref	Broad Habitat	Proposed habitat	Area (hectare)	Disturbance	Condition	Strategy alignment	Temporal multiplier	Habitat		Comments		
				Disturbance	Condition	Strategy alignment	Standard or adjusted time to target condition	First time to target condition (years)	First difficulty of creation	Habitat value delivered	User comments	Planning authority comments
1	Woodland and shrubs	Mixed scrub	0.001	Medium	Poor	Down/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.05	Proposed native mixed scrub	
2	Urban	Sustainable drainage system	0.040	Low	Moderate	Down/compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Medium	0.15	Proposed SuDS features	
4	Urban	Crowded bare/ grassy soil	0.041	Low	Poor	Down/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Medium	0.05	Proposed green walls	
5	Urban	Intervened shrubs	0.010	Low	Condition Assessment - High	Down/compensation not in local strategy/ no local strategy	Standard time to target condition applied	2	Low	0.03	Proposed structural/ornamental shrubs	
6	Urban	Vegetated garden	0.027	Low	Condition Assessment - High	Down/compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.05	Proposed vegetation within private gardens	
7	Urban	Developed land, sealed surfaces	1.188	Very Low	High - Urban	Down/compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	Proposed hardworks and buildings	
8	Individual trees	Urban trees	0.4880	Medium	Moderate	Down/compensation not in local strategy/ no local strategy	Standard time to target condition applied	27	Low	1.40	Proposed 1000s+ Trees	
9												
10												
11												
12												
13												
Total habitat area			8.18							8.68		
Site Area (Including area of individual trees, green walls, intertidal hard structures)			1.88									
M² to achieve correction tot:			Select a unit	hectares	M²							