

The Statutory Biodiversity Metric

Start page

Main menu

Results

Project details			
Planning authority:			
Project name:	Hillcrest and Tussocks, The Causeway, Therfield		
Applicant:			
Application type:			
Planning application reference:			
Completed by:	Richard Dale/Nick Bayne		
Date of metric completion:	14 June 2024		
Reviewer:			
Calculation iteration:	3		
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):	0.51	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

On-site baseline	Habitat units	2.59	
	Hedgerow units	0.34	
	Watercourse units	0.00	
On-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	2.38	
	Hedgerow units	0.44	
	Watercourse units	0.00	
On-site net change (units & percentage)	Habitat units	-0.22	On-site net gain is less than target set A
	Hedgerow units	0.10	
	Watercourse units	0.00	
Off-site baseline	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention (Including habitat retention, creation & enhancement)	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change (units & percentage)	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

Combined net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	-0.22
	Hedgerow units	0.10
	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 (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	-0.22
	Hedgerow units	0.10
	Watercourse units	0.00

Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	-8.39%
	Hedgerow units	29.80%
	Watercourse units	0.00%

Total net gain achieved is less than target set ▲

Trading rules satisfied?	No - Check Trading Summaries ▲	
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Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	10.00%	2.59	2.85	0.48
Hedgerow units	10.00%	0.34	0.37	0.00
Watercourse units	10.00%	0.00	0.00	0.00

No additional hedgerow units required to meet target ✓
No additional watercourse units required to meet target ✓

Input errors/rule breaks present in metric ▲

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 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	0.50	0.00	0.50	0.50
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	0.00
Heathland and shrub - Hawthorn 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 - Hazel 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 - Ponds (non-priority habitat)	Lakes	0.00	0.00	0.00	
Lakes - Reservoirs	Lakes	0.00	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	0.00
Urban - Biodiverse green roof	Urban	0.00	0.00	0.00	0.00
Individual trees - Urban tree	Individual trees	-0.41	0.00	-0.41	-0.41
Individual trees - Rural tree	Individual trees	0.00	0.00	0.00	
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	0.00	0.00	0.00	0.00
Woodland and forest - Other woodland, mixed	Woodland and forest	0.00	0.00	0.00	
Inertial sediment - Littoral coarse sediment	Inertial sediment	0.00	0.00	0.00	
Inertial sediment - Littoral sand	Inertial sediment	0.00	0.00	0.00	0.00
Inertial hard structures - Artificial hard structures with integrated greening of grey infrastructure (IGGI)	Inertial hard structures	0.08	0.00	0.08	

Medium Distinctiveness Summary		
Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.50	✓
Medium Distinctiveness Broad Habitat losses to be offset by trading up	-0.41	Δ
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit	-0.41	Δ
Cumulative surplus of units	0.08	✓

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	0.00
Cropland - Horticulture	Cropland	0.00	0.00	0.00	0.00
Cropland - Intensive orchards	Cropland	0.00	0.00	0.00	0.00
Cropland - Non-cereal crops	Cropland	0.00	0.00	0.00	0.00
Cropland - Temporary grass and clover leys	Cropland	0.00	0.00	0.00	0.00
Cropland - Winter stubble	Cropland	0.00	0.00	0.00	0.00
Grassland - Modified grassland	Grassland	-0.62	0.00	-0.62	Δ
Grassland - Bracken	Grassland	0.00	0.00	0.00	0.00
Heathland and shrub - Rhododendron scrub	Heathland and shrub	0.00	0.00	0.00	0.00
Lakes - Ornamental lake or pond	Lakes	0.00	0.00	0.00	0.00
Sparshly vegetated land - Ruderal/epixerusal	Sparshly vegetated land	-0.05	0.00	-0.05	Δ
Sparshly vegetated land - Tall forbs	Sparshly vegetated land	0.00	0.00	0.00	0.00
Urban - Biomats	Urban	0.00	0.00	0.00	0.00
Urban - Bare ground	Urban	-0.02	0.00	-0.02	Δ
Urban - Almonds	Urban	0.00	0.00	0.00	0.00
Urban - Facade-bound green wall	Urban	0.00	0.00	0.00	0.00
Urban - Ground based green wall	Urban	0.00	0.00	0.00	0.00
Urban - Ground level planters	Urban	0.00	0.00	0.00	0.00
Urban - Other green roof	Urban	0.00	0.00	0.00	0.00
Urban - Intensive green roof	Urban	0.00	0.00	0.00	0.00
Urban - Introduced shrub	Urban	0.03	0.00	0.03	✓
Urban - Rain garden	Urban	0.00	0.00	0.00	0.00
Urban - Actively worked sand pit quarry or open cast mine	Urban	0.00	0.00	0.00	0.00
Urban - Sustainable drainage system	Urban	0.00	0.00	0.00	0.00
Urban - Vacant or derelict land	Urban	0.00	0.00	0.00	0.00
Urban - Vegetated garden	Urban	0.35	0.00	0.35	✓
Woodland and forest - Other coniferous woodland	Woodland and forest	0.00	0.00	0.00	0.00
Coastal saltmarsh - Artificial saltmarshes and saline reed-beds	Coastal saltmarsh	0.00	0.00	0.00	0.00
Inertial sediment - Artificial littoral coarse sediment	Inertial sediment	0.00	0.00	0.00	0.00
Inertial sediment - Artificial littoral mud	Inertial sediment	0.00	0.00	0.00	0.00
Inertial sediment - Artificial littoral sand	Inertial sediment	0.00	0.00	0.00	0.00
Inertial sediment - Artificial littoral muddy sand	Inertial sediment	0.00	0.00	0.00	0.00
Inertial sediment - Artificial littoral mixed sediments	Inertial sediment	0.00	0.00	0.00	0.00
Inertial sediment - Artificial littoral seagrass	Inertial sediment	0.00	0.00	0.00	0.00
Inertial sediment - Artificial littoral biogenic reefs	Inertial sediment	0.00	0.00	0.00	0.00
Inertial hard structures - Artificial hard structures	Inertial hard structures	0.00	0.00	0.00	0.00
Inertial hard structures - Artificial features of hard structures	Inertial hard structures	0.00	0.00	0.00	0.00
Heathland and shrub - Other sea buckthorn scrub	Heathland and shrub	0.00	0.00	0.00	0.00
		-0.30	0.00	-0.30	

Low Distinctiveness Summary		
Low Distinctiveness net change in units		-0.30 Δ
Cumulative surplus of units		-0.22 ▼

Project Name: Hillcrest and Tussocks, The Causeway, Therfield										Map	
A-1 On-Site Habitat Baseline											
Condense / Show Columns										Condense / Show Rows	
Main Menu											
Area habitat summary											
Total Net Unit Change										-0.22	
Total Net % Change										-8.39%	
Trading Rules Satisfied										No - check trading summaries ▲	

Existing area habitats		Area (hectares)	Distinctiveness	Condition	Strategic significance	Required Action to Meet Trading Rules	Ecological baseline	
Broad Habitat	Habitat Type							
1	Grassland	Modified grassland	No	Low	Poor	Area compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.75
2	Sparse/ly vegetated land	Ruderal/Epimeral	No	Low	Poor	Area compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.05
3	Urban	Bare ground	No	Low	Poor	Area compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.02
4	Urban	Developed land, sealed surface	No	Very Low	N/A - Other	Area compensation not in local strategy/ no local strategy	Compensation Not Required	0.00
5	Urban	Introduced shrub	No	Low	Condition Assessment N/A	Area compensation not in local strategy/ no local strategy	Same distinctiveness or better habitat required ≥	0.00
6	Individual trees	Urban tree	No	Medium	Moderate	Area compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	1.27
7	Individual trees	Urban tree	No	Medium	Poor	Area compensation not in local strategy/ no local strategy	Same broad habitat or a higher distinctiveness habitat required (2)	0.50
8								
9								
Site Area (Excluding area of individual trees, green walls, intertidal hard structures)			Total habitat area		0.80			
					0.51			

M² to hectares conversion tool:	Hectares	M²

Bespoke compensation agreed for losses of VHDH or irreplaceable habitat						Comments		
Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	User comments	Planning authority comments	Habitat reference number
		0.00	0.00	0.37	0.75			
		0.00	0.00	0.02	0.05			
		0.00	0.00	0.01	0.02			
		0.00	0.00	0.10	0.00			
		0.00	0.00	0.00	0.00			
0.11		0.88	0.00	0.05	0.39			
0.065		0.26	0.00	0.06	0.24			
0.18	0.00	1.14	0.00	0.62	1.45			

Total area lost (excluding area of individual trees, green walls and intertidal hard structures)	0.51
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Project Name: Hillcrest and Tussocks, The Causeway, Therfield Map Referenced: A-2 On-Site Habitat Creation				Area habitat summary			
Condense / Show Columns				Total Net Unit Change	-0.22		
Condense / Show Rows				Total Net % Change	-8.39%		
Main Menu				Trading Rules Satisfied	No - check trading summaries ▲		
				Area Check	Area Acceptable ✓		

Ref	Broad Habitat	Proposed habitat	Area (hectares)	Post intervention habitats			Temporal multiplier			Habitat units delivered	User comments
				Distinctiveness	Condition	Strategic significance	Standard or adjusted time to target condition	Final time to target condition (years)	Difficulty		
1	Grassland	Modified grassland	0.038	Low	Moderate	Area compensation not in local strategy/ no local strategy	Standard time to target condition applied	4	Low	0.13	
2	Grassland	Other neutral grassland	0.074	Medium	Moderate	Area compensation not in local strategy/ no local strategy	Standard time to target condition applied	5	Low	0.50	
3	Urban	Developed hard, sealed surface	0.201	VLow	N/A - Other	Area compensation not in local strategy/ no local strategy	Standard time to target condition applied	0	Low	0.00	
4	Urban	Introduced shrub	0.018	Low	Condition Assessment - Urban	Area compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.03	
5	Urban	Vegated garden	0.182	Low	Condition Assessment - Urban	Area compensation not in local strategy/ no local strategy	Standard time to target condition applied	1	Low	0.35	
6	Individual trees	Urban tree	0.073	Medium	N/A	Area compensation not in local strategy/ no local strategy	Standard time to target condition applied	27	Low	0.22	18 new small trees
7											
8											
9											
10											
Total habitat area			0.59							1.24	

Site Area (Excluding area of individual trees, green walls, intertidal hard structures)		0.51
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M² to hectares conversion tool:		Select a unit
	Hectares	M²

