The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:	Staffordshire Moorlands District Council		
Project name:	Land off Manifold Drive, Cheadle		
Applicant:	CCP Developments (Stone) Limited		
Application type:			
Planning application reference:			
Completed by:	Erika Nishitani		
Date of metric completion:	16 May 2025		
Reviewer:	Steven Weber		
Calculation iteration:	V2R2		
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):	2.19	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

Main menu

Results

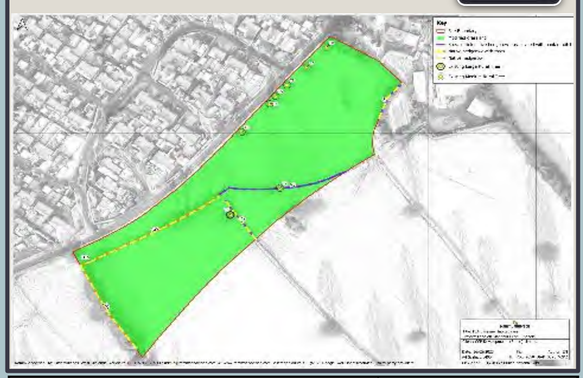
Cell style conventions	
⚠	Attention required
▲	Input error/rules and principles not met
	Use of this cell is not appropriate
	Enter data
	Automatic lookup
	Result

View all

Reset view

On-site baseline map

Insert



On-site baseline map reference number	58_BIA Baseline Visualisatio

On-site post intervention map

Insert

On-site post-intervention map reference number	BIA Proposed Visualis

Off-site baseline map

Insert

Off-site baseline map reference number	

Off-site post intervention map

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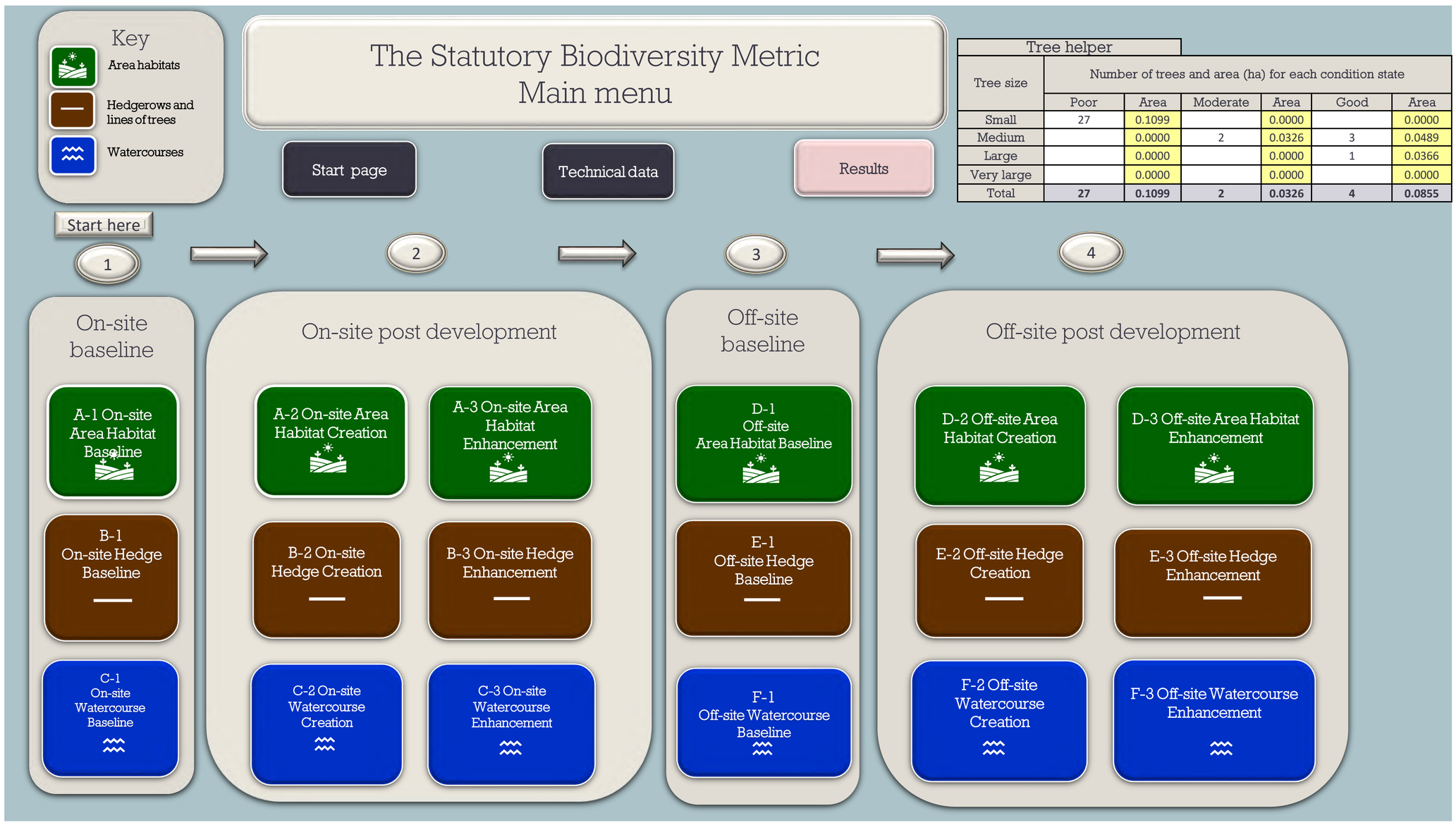
Off-site post-intervention reference number	



Tree helper

Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small	27	0.1099		0.0000		0.0000
Medium		0.0000	2	0.0326	3	0.0489
Large		0.0000		0.0000	1	0.0366
Very large		0.0000		0.0000		0.0000
Total	**27**	**0.1099**	**2**	**0.0326**	**4**	**0.0855**

The Statutory Biodiversity Metric
Results

Return to start page

Headline results

Detailed results

Habitat trading summaries

Off-site summary

Irreplaceable habitats summary

Unit shortfall summary

Land off Manifold Drive, Cheadle

Headline Results

Scroll down for final results ⚠

Return to results menu

On-site baseline	*Habitat units*	6.18	
	Hedgerow units	3.04	
	Watercourse units	0.00	
On-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	4.32	
	Hedgerow units	5.50	
	Watercourse units	0.00	
On-site net change (units & percentage)	*Habitat units*	-1.85	-30.02%
	Hedgerow units	2.46	80.79%
	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 (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	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)	*Habitat units*	-1.85	
	Hedgerow units	2.46	
	Watercourse units	0.00	
Spatial risk multiplier (SRM) deductions	*Habitat units*	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

On-site net gain is less than target set ⚠

FINAL RESULTS

Total net unit change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	-1.85	
	Hedgerow units	2.46	
	Watercourse units	0.00	
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	-30.02%	Total net gain achieved is less than target set ▲
	Hedgerow units	80.79%	
	Watercourse units	0.00%	
Trading rules satisfied?	No - Check Trading Summaries ▲		

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	6.18	6.80	2.47	
Hedgerow units	10.00%	3.04	3.35	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 ▲

Return to results menu

Trading summary hedgerows

Trading summary watercourses

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required – bespoke compensation option ⚠	Yes ✓
High	Same habitat required =	Yes ✓
Medium	Same broad habitat or a higher distinctiveness habitat required (≥)	Yes ✓
Low	Same distinctiveness or better habitat required ≥	No ▲

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-pasture 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
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 wetland mosaic and 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 - Dunes with sea buckthorn (H2160)	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 (H3170)	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	0.00	0.00	0.00	
Wetland - Reedbeds	Wetland	0.00	0.00	0.00	
Woodland and forest - Felled/Replacement for felled woodland	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	
Intertidal sediment - Littoral seagrass	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	0.00
Cropland - Arable field margins game bird mix	Cropland	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	0.00
Grassland - Other neutral grassland	Grassland	0.00	0.00	0.00	
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	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 - 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	0.00
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	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	
Individual trees - Urban tree	Individual trees	0.31	0.00	0.31	0.31 ✓
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	0.00
Woodland and forest - Other woodland; broadleaved	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 coarse sediment	Intertidal sediment	0.00	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 hard structures	0.00	0.00	0.00	
		0.31	0.00	0.31	

Medium Distinctiveness Summary

Medium Distinctiveness Units available to offset Lower Distinctiveness Deficit	0.31 ✓
Medium Distinctiveness Broad Habitat losses to be offset by trading up	0.00
Higher Distinctiveness Surplus Units minus Medium Distinctiveness Broad Habitat Deficit	0.00
Cumulative surplus of units	0.31 ✓

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 - Winter stubble	Cropland	0.00	0.00	0.00
Grassland - Modified grassland	Grassland	-3.57	0.00	-3.57 ⚠
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/ephemeral	Sparsely vegetated land	0.00	0.00	0.00
Sparsely vegetated land - Tall forbs	Sparsely vegetated land	0.00	0.00	0.00
Urban - Bioswale	Urban	0.00	0.00	0.00
Urban - Bare ground	Urban	0.00	0.00	0.00
Urban - Allotments	Urban	0.00	0.00	0.00
Urban - Facade-bound green 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 - Introduced shrub	Urban	0.00	0.00	0.00
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 drainage system	Urban	0.23	0.00	0.23 ✓
Urban - Vacant or derelict land	Urban	0.00	0.00	0.00
Urban - Vegetated garden	Urban	1.18	0.00	1.18 ✓
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 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
Heathland and shrub - Other sea buckthorn scrub	Heathland and shrub	0.00	0.00	0.00
		-2.16	0.00	-2.16

Low Distinctiveness Summary

Low Distinctiveness net change in units	-2.16 ⚠
Cumulative surplus of units	-1.85 ▲

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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	No ▲
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 satisfied	0.00

High Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Species-rich native hedgerow with trees	3.79	0.00	3.79 ✓
Species-rich native hedgerow - associated with bank or ditch	-1.18	0.00	-1.18 ⚠
Native hedgerow with trees - associated with bank or ditch	0.00	0.00	0.00
	2.62	0.00	2.62

High Distinctiveness Summary

High Distinctiveness Units available to offset lower distinctiveness deficit	3.79	✓
High Distinctiveness losses to be offset by trading up	-1.18	⚠
Higher Distinctiveness surplus units minus any high distinctiveness deficit	-1.18	⚠

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	-0.19	0.00	-0.19 ⚠
Ecologically valuable line of trees	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00
	-0.19	0.00	-0.19

Medium Distinctiveness Summary

Units available from higher distinctiveness habitats	3.79	✓
Medium Distinctiveness net change in units	-0.19	⚠
Cumulative availability of units	3.60	✓

Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Native hedgerow	-0.16	0.00	-0.16 ⚠
Line of trees	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00
	-0.16	0.00	-0.16

Low Distinctiveness Summary

Low Distinctiveness net change in units	-0.16	⚠
Cumulative availability of units	3.45	✓

Very Low Distinctiveness

Habitat group	On-site unit change	Off-site unit change	Project wide unit change
Non-native and ornamental hedgerow	0.19	0.00	0.19 ✓
	0.19	0.00	0.19

Very Low Distinctiveness Summary

Very Low Distinctiveness net change in units	0.19	✓
Cumulative availability of units	3.64	✓

Return to results menu

Trading summary area habitats

Trading summary hedgerows

Trading Summary

Distinctiveness Group	Trading Rule	Trading Satisfied?
Very High	Same habitat required – bespoke compensation option ⚠	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 for like not satisfied	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 for like not satisfied	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 for like not satisfied	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

Project Name: Land off Manifold Drive, Cheadle Map Reference: RSE_9658_BIA

A-1 On-Site Habitat Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	-1.85
Total Net % Change	-30.05%
Trading Rules Satisfied	No - check trading summaries ▲

	Existing area habitats				Distinctiveness		Condition		Strategic significance				Ecological baseline									Comments		
Ref	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Required Action to Meet Trading Rules	Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost	Bespoke compensation agreed for losses of VHDH or irreplaceable habitat	User comments	Planning authority comments	Habitat reference number
1	Grassland	Modified grassland	No	2.1945	Low	2	Poor	1	Location ecologically desirable but not in local strategy	Medium strategic significance	1.1	Same distinctiveness or better habitat required ≥	4.83	0	0	0.00	0.00	2.19	4.83		Modified grassland present across the majority of the site. Each parcel has been condition assessed as separately as poor as they fail to achieve the first criteria in the condition assessment which is essential for achieving moderate condition. Parcel in the west of the site achieves the following criteria: D. 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. E. Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens). F. Cover of bracken Pteridium aquilinum is less than 20%. G. There is an absence of invasive non-native plant species (as listed on Schedule 9 of WCA). Parcel in the east of the site achieves the following criteria: D. 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. E. Cover of bare ground is between 1% and 10%, including localised areas (for example, a concentration of rabbit warrens).		
2	Individual trees	Rural tree	No	0.0366	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.44	0.0366	0	0.44	0.00	0.00	0.00		X1 large individual rural native trees located in the south west corner of the site. The trees have been condition assessed separately as good as they all achieve the following criteria in the condition assessment: (A) The tree is a native species (or at least 70% within the block are native species), (B) The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide (individual trees automatically pass this criterion), (C) The tree is mature (or more than 50% within the block are mature), (D) There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height, (E) Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood, cavities, ivy or loose bark, and (F) More than 20% of the tree canopy area is oversailing vegetation beneath. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance. thus, low strategic significance.		T1
3	Individual trees	Rural tree	No	0.114	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (≥)	0.91	0.114	0	0.91	0.00	0.00	0.00		X 7 individual medium rural trees located in the north east and south east have been condition assessed as moderate. T3 - 8 achieved the following criteria: (A) The tree is a native species (or at least 70% within the block are native species), (D) here is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height, and (F) More than 20% of the tree canopy area is oversailing vegetation beneath. T2 achieves the following criteria: (A) The tree is a native species (or at least 70% within the block are native species), (B) The tree canopy is predominantly continuous, with gaps in canopy cover making up <10% of total area and no individual gap being >5 m wide (individual trees automatically pass this criterion), and (D) There is little or no evidence of an adverse impact on tree health by human activities (such as vandalism, herbicide or detrimental agricultural activity). And there is no current regular pruning regime, so the trees retain >75% of expected canopy for their age range and height. All trees collectively fail the following criteria; (C) The tree is mature, and (E) Natural ecological niches for vertebrates and invertebrates are present, such as presence of deadwood,		T2 – T8
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			Total habitat area	2.35									6.18	0.15	0.00	1.35	0.00	2.19	4.83				
			Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	2.19																			

Total area lost (excluding area of individual trees, green walls and intertidal hard structures)	2.19

M² to hectares conversion tool:	Select a unit	Hectares	M²

and off Manifold Drive, Cheadle Map Reference: RSE_9658_BIA Proposed Vis

A-2 On-Site Habitat Creation

Condense / Show Columns

Condense / Show Rows

Main Menu

Area habitat summary	
Total Net Unit Change	-1.86
Total Net % Change	-30.02%
Trading Rules Satisfied	No - check trading summaries ▲
Area Check	Area Acceptable ✓

				Post intervention habitats																					
				Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty multipliers					Comments		
Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied	Habitat units delivered	User comments	Planning authority comments	Habitat reference number
1	Grassland	Modified grassland	0.1141	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	4	0	0	Standard time to target condition applied	4	0.867	Low	Standard difficulty applied	Low	1	0.40	Areas of modified grassland to be created on site in the north east of the site It is recommended to be sown with a N14F Flowering Lawn Mix or similar (see Naturescapes or similar). It is considered that the habitat can achieve a moderate condition by implementing a management plan to meet the following criteria in the condition assessment: A. There are 6-8 vascular species per m2 (this is essential to achieving a moderate/good condition). B. Scrub should cover less than 5%, bracken should be kept to <30% cover; C. Cover of bare ground is between 1% and 10%; D. Cover of bracken is less than 20%; and, E. Invasive non-native species (as listed on schedule 9 of WCA, 1981) should be absent. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		
2	Grassland	Modified grassland	0.4471	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	0.86	Areas of modified grassland to be created throughout the site. It is recommended to be sown with a N14F Flowering Lawn Mix or similar (see Naturescapes or similar). A poor condition has been assigned from the size/location/use of the habitat which may limit the habitat in achieving criteria in the condition assessment (including the first criterion, 6-8 vascular plants per m2, which is essential to achieving a moderate/good condition). After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		
3	Urban	Developed land; sealed surface	0.9282	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	0	0	0	Standard time to target condition applied	0	1.000	Low	Standard difficulty applied	Low	1	0.00	Developed land to be created as within residential areas, paths and roads on site. The condition of the habitat defaults to N/A – Other. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		
4	Urban	Sustainable drainage system	0.0952	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	3	0	0	Standard time to target condition applied	3	0.899	Medium	Standard difficulty applied	Medium	0.67	0.23	Sustainable urban drainage to be created onsite to the north east and the west of the site. It is recommended the surrounding habitat is planted with NIF Water's Edge Flowers Mix or similar (see Naturescapes or similar). It is considered that the habitat can achieve a moderate condition by implementing a management plan to meet the following criteria in the condition assessment: 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; C. Invasive non-native plant species (as listed on Schedule 9 of WCA, 1981) and others which are to the detriment of native wildlife using professional judgement cover less than 5% (to achieve good condition, this criterion must be satisfied by a complete absence of invasive non-native species); E1. Plant species are mostly native. If non-native species are present, they should not be detrimental to the habitat or native wildlife; and, E2. The vegetation is comprised of plant species suited to wetland conditions.		
5	Urban	Vegetated garden	0.61	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	1.18	Areas of vegetated garden to be created throughout the site. The condition of the habitat defaults to condition assessment N/A. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		
6	Individual trees	Urban tree	0.1099	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	0.31	X27 individual small urban trees to be created on site in poor condition, as the following criteria is likely to be achieved; The tree is native species, and The tree canopy is predominantly continuous. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		T9 - 35

Total habitat area	2.30		
Site Area (Excluding area of individual trees, green walls, intertidal hard structures)	2.19		
M² to hectares conversion tool:	Select a unit	Hectares	M²

Total Units	2.97

off Manifold Drive, Cheadle Map Reference: RSE_9658_BIA Baseline

B-1 On-Site Hedge Baseline

Condense / Show Columns Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	2.46
Total Net % Change	80.78%
Trading Rules Satisfied	No - check trading summary ▲

	Existing hedgerow habitats			Distinctiveness		Condition		Strategic significance				Ecological baseline							Comments		
Ref	Hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Required Action to Meet Trading Rules	Total hedgerow units	Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Planning authority comments	Habitat reference number
1	H1b	Native hedgerow with trees	0.002	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.02	0	0	0.00	0.00	0.00	0.02	H1b to be lost.		H1b
2	H1a, H1c	Native hedgerow with trees	0.195	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	1.56	0	0.195	0.00	1.56	0.00	0.00	These x1 native hedgerow with trees have been default condition assessed as moderate due to the survey being undertaken outside of season and without the necessary flora to assess them. H1a and H1c are being enhanced, H1b is to be lost. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		H1a, H1c
3	H2, H4	Native hedgerow	0.073	Low	2	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.29	0.034	0	0.14	0.00	0.04	0.16	These x2 native hedgerows have been default condition assessed as moderate due to the survey being undertaken outside of season and without the necessary flora to assess them. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		H2, H4
4	H3	Species-rich native hedgerow - associated with bank or ditch	0.098	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	1.18	0	0	0.00	0.00	0.10	1.18	Species-rich native hedgerow - associated with bank or ditch present in the centre of the site. The hedgerow condition has been defaulted to due to survey being out of season so no understorey was visible at the time of survey. The following conditions have been assigned: A1. Height >1.5m average along length. A2. Width >1.5m average along length. C1. Undisturbed ground and perennial vegetation - >1 m width of undisturbed ground with perennial herbaceous vegetation for >90% of length; ·Measured from outer edge of hedgerow; and ·Is present on one side of the hedgerow (at least). C2. Nutrient-enriched perennial vegetation - Plant species indicative of nutrient enrichment of soils dominate <20% cover of the area of undisturbed ground. D1. Invasive and neophyte species - >90% of the hedgerow and undisturbed ground is free of invasive non-native plant species (including those listed on Schedule 9 of WCA3) and recently introduced species. D2. Current damage - >90% of the hedgerow or undisturbed ground is free of damage caused by human activities. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to		H3
			0.37									3.04	0.03	0.20	0.14	1.56	0.14	1.35			

Manifold Drive, Cheadle Map Reference: RSE_8658_BIA Propos

B-2 On-Site Hedge Creation

Condense / Show Columns | Condense / Show Rows | Main Menu

Hedgerow summary	
Total Net Unit Change	2.46
Total Net % Change	80.79%
Trading Rules Satisfied	No - check trading summary ▲

		Proposed habitats		Distinctiveness		Condition		Strategic significance			Temporal multiplier						Difficulty risk multipliers				Hedge units delivered	Comments		
Ref	New hedge number	Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Standard Time to target condition (years)	Habitat created in advance (years)	Delay in starting habitat creation (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final time to target multiplier	Standard difficulty of creation	Applied difficulty multiplier	Final difficulty of creation	Difficulty multiplier applied		User comments	Planning authority comments	Habitat reference number
1	H5 – H7	Native hedgerow with trees	0.247	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	1.38	X3 native hedgerow with trees to be created on the north boundary and to the north east of the site. Fruit trees such as pear, crab apple, and wild cherry could also be incorporated. Ash and elm should currently be avoided due to the prevalence of ash die-back and Dutch elm disease. It is considered that the habitat can achieve a good condition by implementing a management plan to meet the following criteria in the condition assessment: A1. Height >1.5m average along length; A2. Width >1.5m average along length; B1. Gap between ground and base of canopy <0.5m for >90% of length; B2. Gaps make up <10% of total length and no canopy gaps of >5m; C1. Undisturbed ground and perennial vegetation of >1m for >90% of length; C2. Plant species indicative of nutrient enrichment soils dominate <20% cover of undisturbed ground; D1. >90% of the hedgerow and ground is free from invasive non-native species; D2. >90% of the hedgerow and ground is free from damage caused by human activities; and E2. At least 95% of trees are in healthy condition.		H5 – H7
2	H8 – H11 and H13-H18	Non-native and ornamental hedgerow	0.197	V.Low	1	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	0.19	X10 non-native and ornamental hedgerows to be created to the north east and centre of the site. Condition is defaulted to poor. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		H8 – H18
3	H12	Species-rich native hedgerow with trees	0.273	High	6	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	1	0	0	Standard time to target condition applied	1	0.965	Low	Standard difficulty applied	Low	1	1.58	X1 species-rich native hedgerow with trees to be created on site on the southern boundary. Fruit trees such as pear, crab apple, and wild cherry could also be incorporated. Ash and elm should currently be avoided due to the prevalence of ash die-back and Dutch elm disease. Recommended planting of at least 5 native species, indicative of the local landscape. A poor condition has been assigned from the size/location/use of the hedgerow which may limit the habitat in achieving criteria in the condition assessment. After reviewing the Staffordshire Moorlands Local Plan 2014 – 2033, the Staffordshire Moorlands Interactive Map, and Magic Map, the site has no connectivity to designated sites or features of importance, thus, low strategic significance.		H12
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Unfold Drive, Cheadle Map Reference: RSE_9658_BIA Pre

B-3 On-Site Hedge Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu

Hedgerow summary	
Total Net Unit Change	2.46
Total Net % Change	123.10%
Trading Rules Satisfied	No - check trading summary ▲

	Baseline Habitats										Post intervention habitats																							
												Change in distinctiveness and condition			Distinctiveness		Condition		Strategic significance			Temporal multipliers						Difficulty risk multipliers				Hedge units delivered	Comments		
Baseline ref	Baseline habitat	Length (km)	Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Baseline strategic significance score	Baseline habitat units	Required Action to Meet Trading Rules	Proposed habitat	Distinctiveness movement	Condition movement	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance multiplier	Standard Time to target condition (years)	Habitat enhanced in advance (years)	Delay in starting habitat enhancement (years)	Standard or adjusted time to target condition	Final time to target condition (years)	Final Time to target multiplier	Standard difficulty of enhancement	Applied difficulty multiplier	Final difficulty of enhancement	Difficulty multiplier applied		User comments	Planning authority comments	Habitat reference number
2	Native hedgerow with trees	0.195	Medium	4	Moderate	2	Low Strategic Significance	1	1.56	Same distinctiveness band or better	Species-rich native hedgerow with trees	Medium - High	Lower Distinctiveness Habitat - Moderate	0.195	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	5	0	0	Standard time to target condition applied	5	0.833	Low	Standard difficulty applied	Low	1	2.21	Hedgerow to be enhanced to qualify as HPI with trees onsite. Fruit trees such as pear, crab apple, and wild cherry could also be incorporated. Ash and elm should currently be avoided due to the prevalence of ash die-back and Dutch elm disease. Recommended species are those listed in the Cheshire Inventory of Native Local Landscapes. The hedgerow is was default condition assessed to moderate in the baseline. It is considered that the hedgerow can achieve a moderate condition by implementing continued management of the habitat to meet the following criteria in the condition assessment: A1. Height >1.5m average along length. A2. Width >1.5m average along length. B1. Gap between ground and base or canopy <0.5m for >90% of length. B2. Gaps make up <10% of total length and no canopy gaps of >5m. D1. >90% of the hedgerow and ground is free from invasive non-native species. D2. >90% of the hedgerow and ground is free from damage caused by human activities and		H1a, H1c