The Statutory Biodiversity Metric
Start page

Project details			
Planning authority:			
Project name:			
Applicant:			
Application type:			
Planning application reference:			
Completed by:	4 years. Ryan has extensive experience in Biodiversity Net Gain, having been the project ecologist on c		
Date of metric completion:	20 May 2025		
Reviewer:	Ryan Clark ACIEEM		
Calculation iteration:			
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):	1.11	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	

On-site post intervention map

Insert



On-site post-intervention map reference number	

Off-site baseline map

Insert

Off-site baseline map reference number	

Off-site post intervention map

Insert

Off-site post-intervention reference number	

Key

Area habitats

Hedgerows and lines of trees

Watercourses

The Statutory Biodiversity Metric
Main menu

Start page

Technical data

Results

Start here

1 → 2 → 3 → 4

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		0.0000
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**	**0**	**0.0000**

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

Return to results menu

Headline Results

Scroll down for final results ⚠

On-site baseline	*Habitat units*	2.22		
	Hedgerow units	0.00		
	Watercourse units	2.03		
On-site post-intervention (Including habitat retention, creation & enhancement)	*Habitat units*	3.82		
	Hedgerow units	0.80		
	Watercourse units	2.26		
On-site net change (units & percentage)	*Habitat units*	1.60	71.87%	
	Hedgerow units	0.80	N/A	Zero baseline units - % cannot be calculated
	Watercourse units	0.23	11.55%	
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*	1.60		
	Hedgerow units	0.80		
	Watercourse units	0.23		
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*	1.60	
	Hedgerow units	0.80	
	Watercourse units	0.23	
Total net % change (Including all on-site & off-site habitat retention, creation & enhancement)	*Habitat units*	71.87%	
	Hedgerow units	N/A	0 baseline units - % cannot be calculated
	Watercourse units	11.55%	
Trading rules satisfied?	Yes ✓		

Unit Type	Target	Baseline Units	Units Required	Unit Deficit	
Habitat units	10.00%	2.22	2.44	0.00	No additional area habitat units required to meet target ✓
Hedgerow units	10.00%	0.00	0.00	0.00	No additional hedgerow units required to meet target ✓
Watercourse units	10.00%	2.03	2.23	0.00	No additional watercourse units required to meet target ✓

Project Name: Map Reference:

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	-11.37%
Trading Rules Satisfied	Yes ✓

Ref	Existing area habitats				Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline						Bespoke compensation agreed for losses of V/H/D or irreplaceable habitat	Comments		
	Broad Habitat	Habitat Type	Irreplaceable habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier		Total habitat units	Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost		User comments	Planning authority comments	Habitat reference number
1	Cropland	Cleared crops	No	1.11	Low	2	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required	2.22	0	0	0.00	0.00	1.11	2.22		Grazing arable field.		
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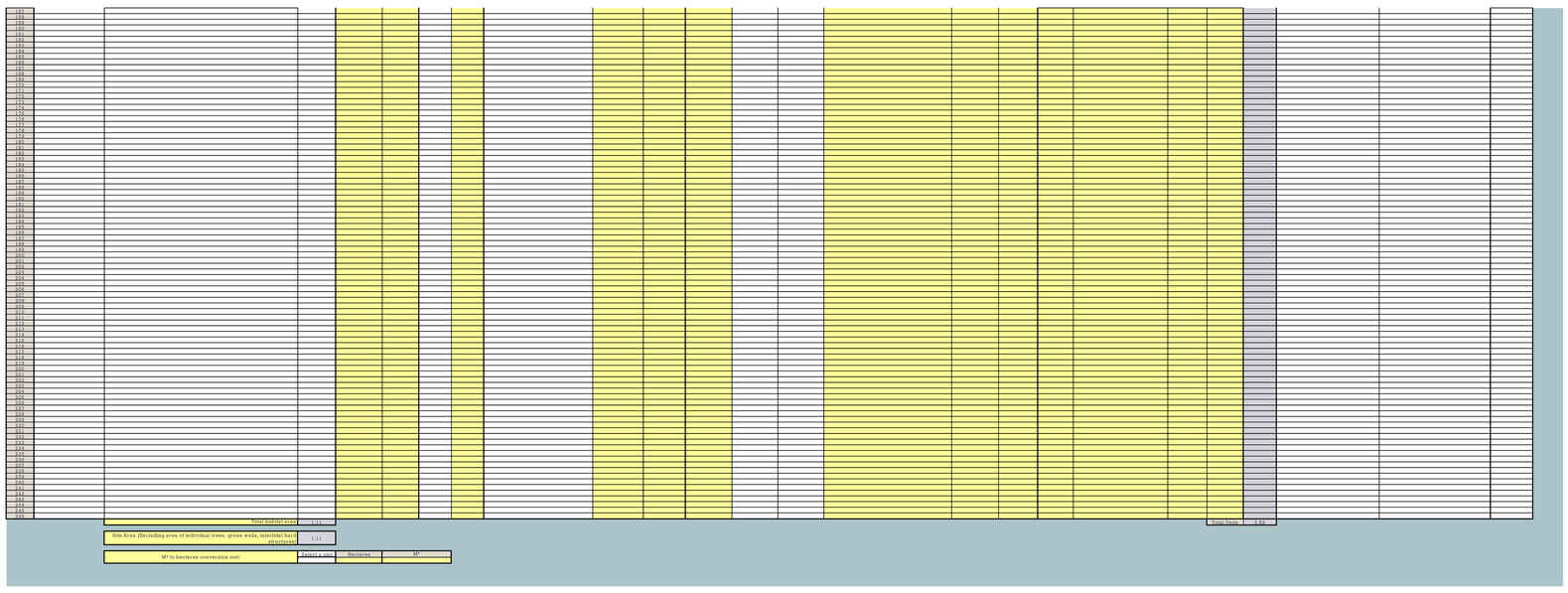
Project Name: Map Reference:

A-2 On-Site Habitat Creation

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

Area habitat summary	
Total Net Unit Change	1.60
Total Net % Change	71.85%
Trading Rules Satisfied	Yes ✓
Area Check	Area Acceptable ✓

Ref	Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness		Condition		Strategic significance			Post intervention habitats			Temporal multiplier			Difficulty multipliers				Habitat units delivered	Comments		
				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	Grassland	Modified grassland	1.1	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	3.83	An area of previous arable is proposed to be established as a new grassland habitat that will be sown with Emorgate's EM1 Basic General Purpose Meadow Mixture and managed to meet the requirements criteria A-C, E, F, and G therefore, achieving Moderate condition.		
2	Urban	Developed land; sealed surface	0.01	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	Proposed new car parking bays		
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Total habitat area	0.11
Site Area (Excluding area of individual trees, grass walls, intertidal hard structures)	0.11

M² to hectares conversion tool:	Select a unit	Hectares	M²

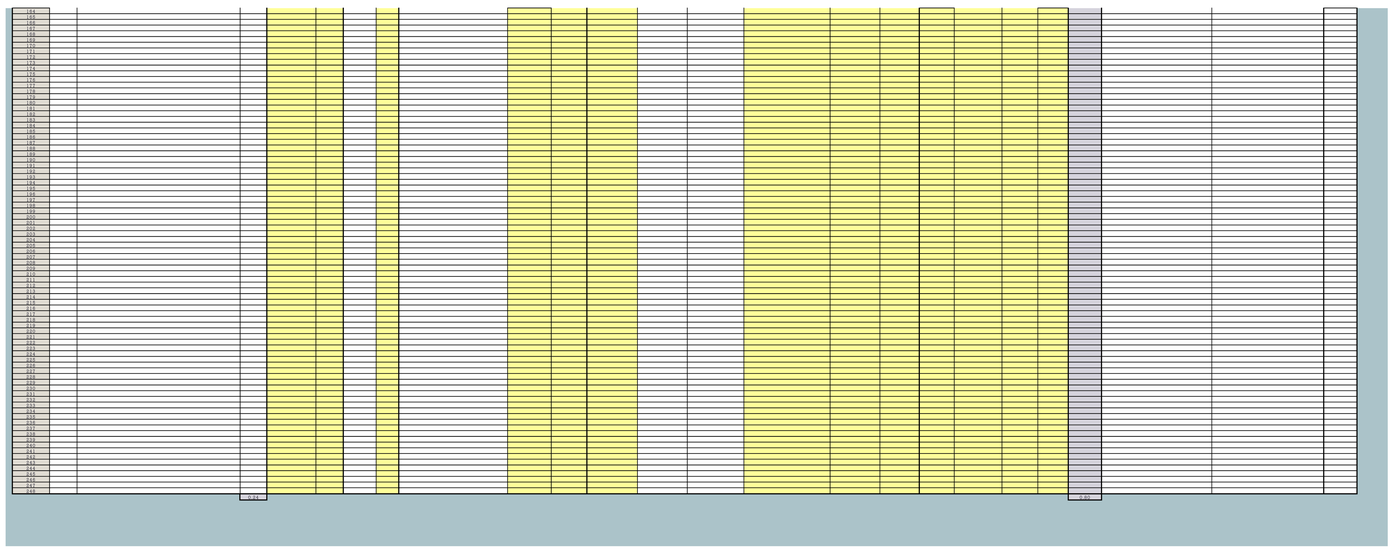
Project Name: Map Reference:

B-2 On-Site Hedge Creation

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

Hedgerow summary	
Total Net Unit Change	0.80
Total Net % Change	N/A
Trading Rules Satisfied	Yes ✓

	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		Native hedgerow	0.038	Low	2	Moderate	6	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	0.80	Proposed new native hedgerow. Hedgerow anticipated to full condition criteria C1, C2, and D2, therefore, achieving Moderate condition.		
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Project Name:	Map Reference:
C-1 On-Site WaterC² Baseline	

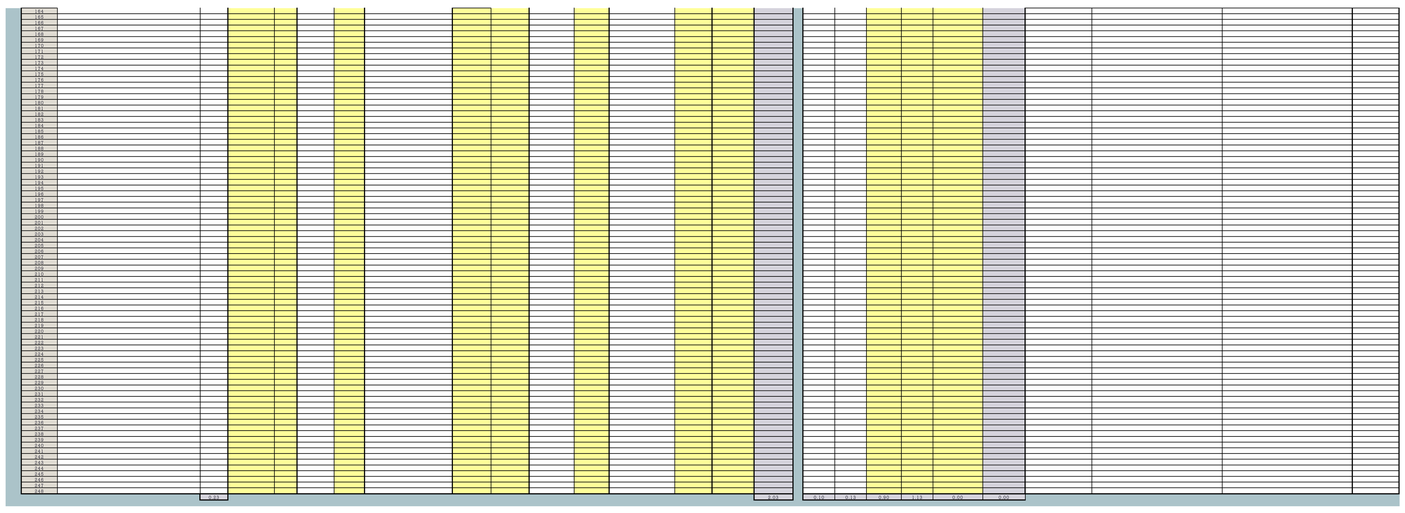
Condenser / Show Columns | Condenser / Show Rows

Main Menu

Watercourse summary

Total Net Unit Change	0.33
Total Net % Change	11.95%
Trading Rules Satisfied	Yes ✓

Existing watercourse type			Distinctiveness		Condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Required Action to Meet Trading Rules	Ecological baseline	Habitat units				Bespoke compensation agreed for losses of VHDH	Comments		
Ref	Watercourse type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance multiplier	Strategic significance multiplier	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier		Total watercourse units	Length retained	Length enhanced	Units retained	Units enhanced	Length Lost	Units Lost		User Comments	Planning authority comments	Habitat reference number
1	Other rivers and streams	0.220	High	6	Fairly Poor	1.5	Action/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	No Encroachment	1	No Encroachment/ No Encroachment	1	Some habitat required *	2.03	0.1	0.120	0.90	1.13	0.00	0.00		Existing adjacent tributary- The Hexham River Physical Survey returned a result of Fairly Poor condition for the section		
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Project Name: Map Reference:

C-3 On-Site WaterC' Enhancement

Condense / Show Columns | Condense / Show Rows

Main Menu

Watercourse summary	
Total Net Unit Change	0.33
Total Net % Change	11.53%
Trading Rules Satisfied	Yes ✓

	Baseline habitats												Post intervention habitats																									
														Change in distinctiveness and condition			Habitat distinctiveness		Habitat condition		Strategic significance			Temporal multiplier					Difficulty multipliers				Watercourse encroachment		Riparian encroachment			
Baseline ref	Baseline habitat	Length (km)	Baseline distinctiveness band	Baseline distinctiveness score	Baseline condition category	Baseline condition score	Baseline strategic significance category	Strategic significance	Baseline strategic significance Score	Required Action to Meet Trading Rules	Baseline habitat units	Proposed habitat	Distinctiveness movement	Condition movement	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance multiplier	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	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier	Watercourse units delivered
1	Other rivers and streams	0.225	High	6	Fairly Poor	1.5	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same habitat required =	2.025	Other rivers and streams	High - High	Fairly Poor - Moderate	0.135	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	2	0	0	Standard time to target condition applied	2	0.931	Medium	Standard difficulty applied	Medium	0.87	No Encroachment	1	No Encroachment/ No Encroachment	1	1.36
															0.135																							

Comments		
User comments	**Planning authority comments**	**Habitat reference number**
It is proposed that at least 105 m of the bank top and bank face of the right bank of the River Cradlbos will be planted and enhanced via a targeted planting regime that will seek to establish long grasses/herbs, scrub/shrubs, and tree communities that reach a maximum of 33% cover respectively. The River Cradlbos Assessment returned a post-works condition score of Moderate		