

The Biodiversity Metric 4.0 - Calculation Tool

Start page

Project details			
Planning authority:	East Hertfordshire District Council		
Project name:	Land at Buntingford West, Buntingford		
Applicant:	Vistry Homes Ltd.		
Application type:	Outline		
Planning application reference:			
Completed by:	James Blake Associates Ltd.		
Date of metric completion:	30 June 2023		
Reviewer:			
Version control:	4		
Consenting body reviewer:			
Date of consenting body review:			
Target % net gain:	10%		
Irreplaceable habitat present on-site at baseline:	No		
Total site area (including irreplaceable habitat area):	26.67	Irreplaceable habitat area at baseline:	0.00

Instructions

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 Biodiversity Metric 4.0 - Calculation Tool

Main menu

- Start page
- Instructions
- Technical data
- Results

Tree helper

Tree size	Number of trees and area (ha) for each condition state					
	Poor	Area	Moderate	Area	Good	Area
Small		0.0000	50	0.2036		0.0000
Medium		0.0000	20	0.7329		0.0000
Large		0.0000	20	1.5291		0.0000
Total	0	0.0000	90	2.4655	0	0.0000

Start here



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

The Biodiversity Metric 4.0 - Calculation Tool Results

[Return to start
page](#)

[Headline results](#)

[Detailed results](#)

[Habitat trading
summaries](#)

[Off-site
summary](#)

Land at Buntingford West, Buntingford

Headline Results

Scroll down for final results [▲](#)

Return to results menu

On-site baseline	Habitat units	36.89	
	Hedgerow units	4.98	
	Watercourse units	0.54	
On-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	44.57	
	Hedgerow units	6.58	
	Watercourse units	0.86	
On-site net change <small>(units & percentage)</small>	Habitat units	7.68	20.81%
	Hedgerow units	1.60	32.08%
	Watercourse units	0.31	58.10%

Off-site baseline	Habitat units	15.20	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site post-intervention <small>(Including habitat retention, creation & enhancement)</small>	Habitat units	23.01	
	Hedgerow units	0.00	
	Watercourse units	0.00	
Off-site net change <small>(units & percentage)</small>	Habitat units	7.81	51.40%
	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	15.49	
	Hedgerow units	1.60	
	Watercourse units	0.31	
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	15.49	
	Hedgerow units	1.60	
	Watercourse units	0.31	

Total net % change <small>(Including all on-site & off-site habitat retention, creation & enhancement)</small>	Habitat units	41.98%
	Hedgerow units	32.08%
	Watercourse units	58.10%

Trading rules satisfied? **Yes ✓**

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	10.00%	36.89	40.58	0.00
Hedgerow units	10.00%	4.98	5.48	0.00
Watercourse units	10.00%	0.54	0.60	0.00

Unit requirement met or surpassed ✓
 Unit requirement met or surpassed ✓
 Unit requirement met or surpassed ✓

Land at Buntingford West, Buntingford

Detailed Results

Return to results menu

Summary Figures

Net project biodiversity units
(Including all on-site & off-site habitat retention / creation)

<i>Habitat units</i>	15.49
<i>Hedgerow units</i>	1.60
<i>Watercourse units</i>	0.31

Total project biodiversity % change
(Including all on-site & off-site habitat creation + retained habitats)

<i>Habitat units</i>	41.98%
<i>Hedgerow units</i>	32.08%
<i>Watercourse units</i>	58.10%

Combined habitat retention and enhancement

	Habitats	Hedgerows	Watercourses
Total on-site and off-site baseline area / length	26.67	0.58	0.18
Total on-site and off-site baseline units	52.09	4.98	0.54
Total on-site and off-site baseline area / length retained	6.56	0.38	0.00
Total on-site and off-site baseline units retained	12.76	2.63	0.00
Area / length proposed for enhancement	0.00	0.16	0.18
Baseline units proposed for enhancement	0.00	1.92	0.54
Total on-site and off-site baseline area / length lost	20.11	0.04	0.00
Total on-site and off-site baseline units lost	39.33	0.43	0.00

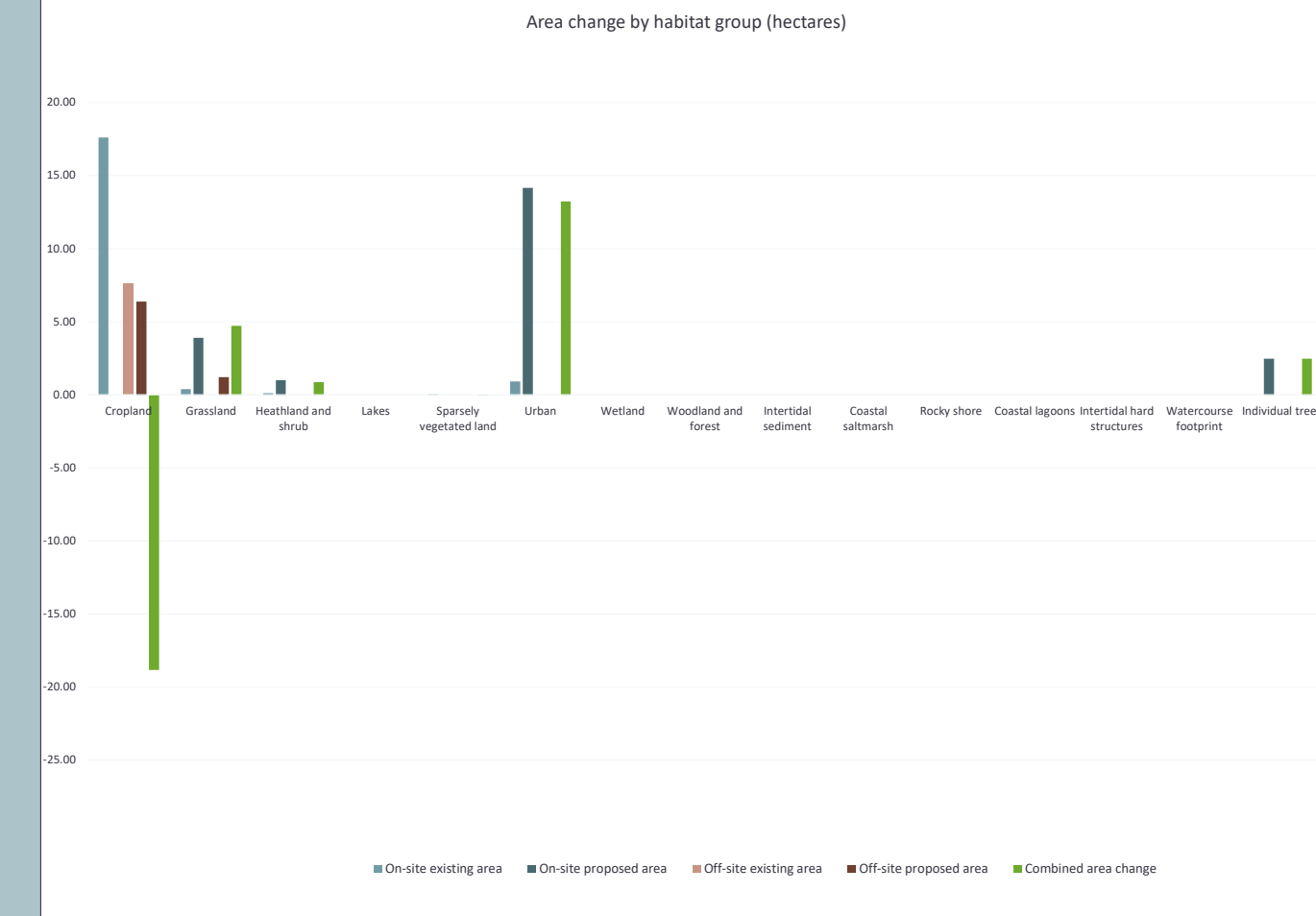
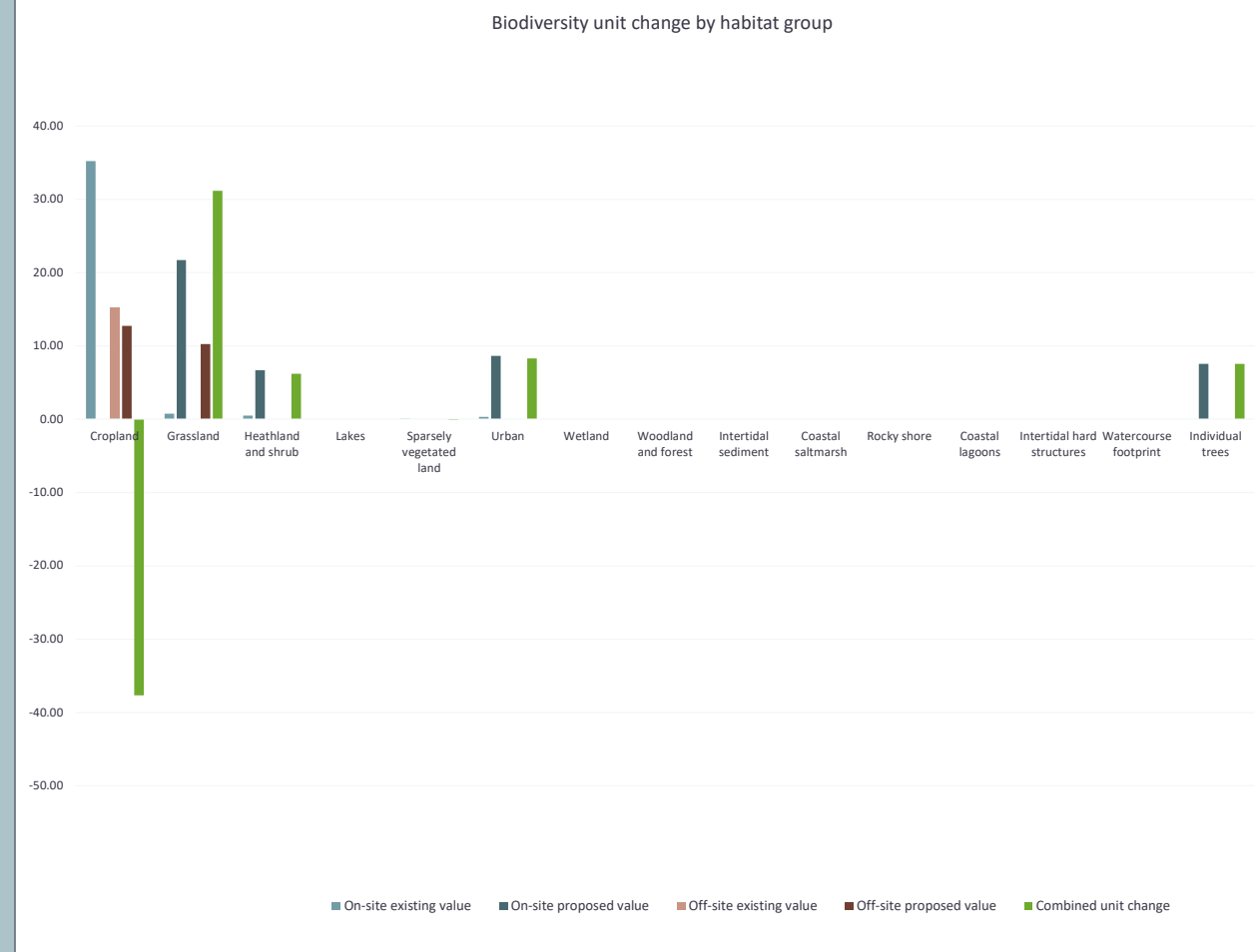
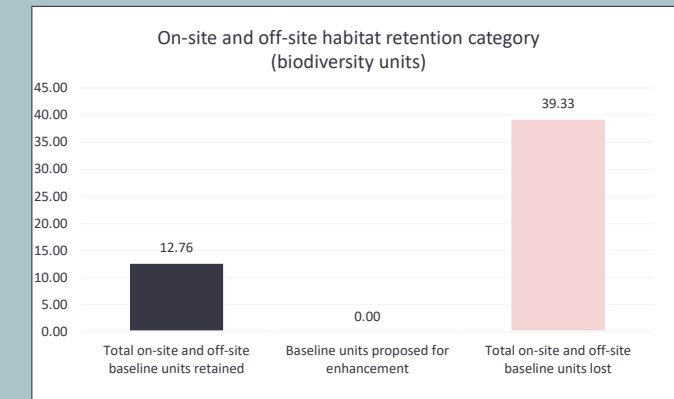
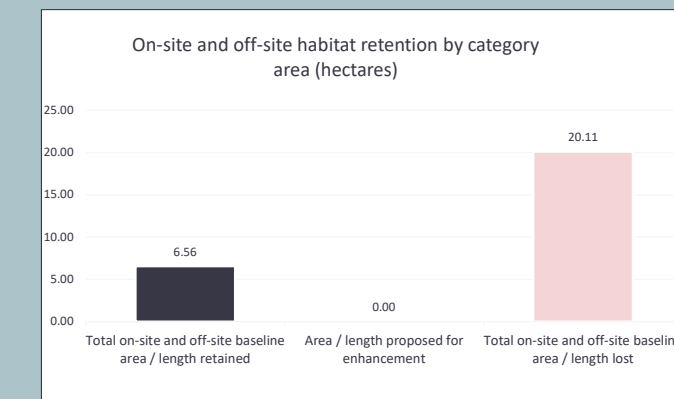
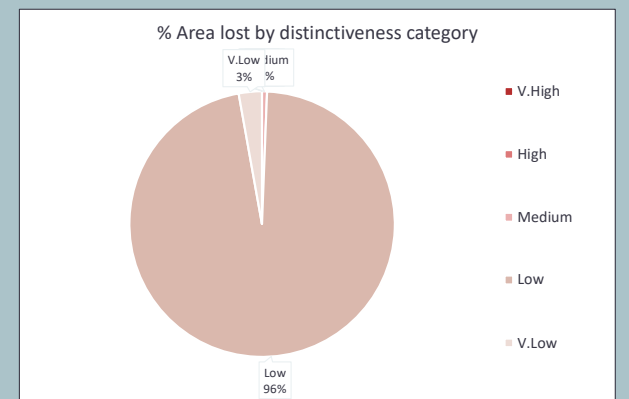
Area habitats

On-site change by broad habitat type						
Habitat group	Baseline		Post-development on-site		On-site change	
	On-site existing area	On-site existing value	On-site proposed area	On-site proposed value	On-site area change	On-site unit change
Cropland	17.61	35.22	0.00	0.00	-17.61	-35.22
Grassland	0.39	0.78	3.90	21.69	3.51	20.91
Heathland and shrub	0.13	0.50	1.00	6.69	0.88	6.19
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	0.03	0.05	0.00	0.00	-0.03	-0.05
Urban	0.92	0.34	14.17	8.65	13.25	8.31
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00
Watercourse footprint	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees	0.00	0.00	2.47	7.54	2.47	7.54

Off-site change by broad habitat type						
Habitat group	Baseline		Post-development off-site		Off-site change	
	Off-site existing area	Off-site existing value	Off-site proposed area	Off-site proposed value	Off-site area change	Off-site unit change
Cropland	7.60	15.20	6.38	12.76	-1.22	-2.44
Grassland	0.00	0.00	1.22	10.25	1.22	10.25
Heathland and shrub	0.00	0.00	0.00	0.00	0.00	0.00
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	0.00	0.00	0.00	0.00	0.00	0.00
Urban	0.00	0.00	0.00	0.00	0.00	0.00
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00
Watercourse footprint	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees	0.00	0.00	0.00	0.00	0.00	0.00

Combined on-site and off-site change by broad habitat type						
Habitat group	Baseline		On-site and off-site post-development		Combined change	
	Combined existing area	Combined existing value	Combined proposed area	Combined proposed value	Combined area change	Combined unit change
Cropland	25.21	50.42	6.38	12.76	-18.83	-37.66
Grassland	0.39	0.78	5.12	31.94	4.73	31.16
Heathland and shrub	0.13	0.50	1.00	6.69	0.88	6.19
Lakes	0.00	0.00	0.00	0.00	0.00	0.00
Sparsely vegetated land	0.03	0.05	0.00	0.00	-0.03	-0.05
Urban	0.92	0.34	14.17	8.65	13.25	8.31
Wetland	0.00	0.00	0.00	0.00	0.00	0.00
Woodland and forest	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal sediment	0.00	0.00	0.00	0.00	0.00	0.00
Coastal saltmarsh	0.00	0.00	0.00	0.00	0.00	0.00
Rocky shore	0.00	0.00	0.00	0.00	0.00	0.00
Coastal lagoons	0.00	0.00	0.00	0.00	0.00	0.00
Intertidal hard structures	0.00	0.00	0.00	0.00	0.00	0.00
Watercourse footprint	0.00	0.00	0.00	0.00	0.00	0.00
Individual trees	0.00	0.00	2.47	7.54	2.47	7.54

Combined area lost by distinctiveness band		
Category	Area lost (hectares)	Area lost (%)
V.High	0	
High	0	
Medium	0.125	1
Low	19.416	97
V.Low	0.57	3



Hedgerows and lines of trees

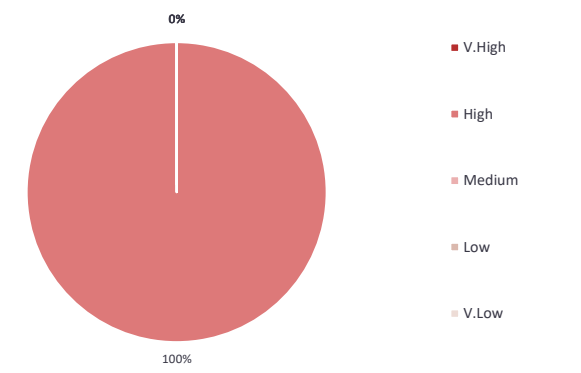
On-site change by hedgerow type

Hedgerow type	Baseline		Post-development on-site		On-site change	
	On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change	On-site 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
Species-rich native hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow with trees - associated with bank or ditch	0.34	4.02	0.30	4.42	-0.04	0.40
Species-rich native hedgerow	0.00	0.00	0.15	1.00	0.15	1.00
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow with trees	0.24	0.96	0.24	0.96	0.00	0.00
Ecologically valuable line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgerow	0.00	0.00	0.20	0.19	0.20	0.19

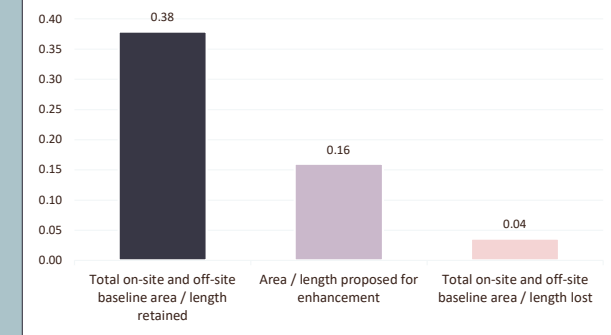
Combined length lost by distinctiveness band

Category	Length lost (km)	Length lost (%)
V.High	0	
High	0.036	100
Medium	0	
Low	0	
V.Low	0	

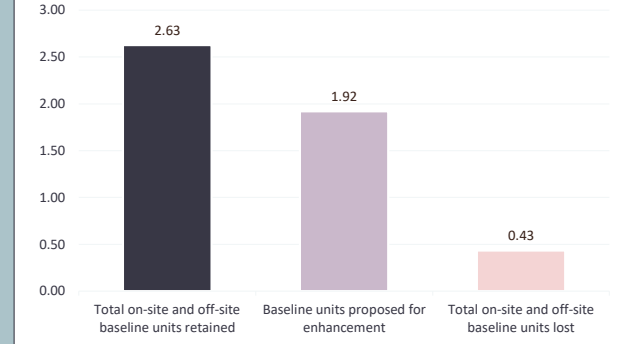
% Length lost by distinctiveness category



On-site and off-site hedge retention by category length (km)



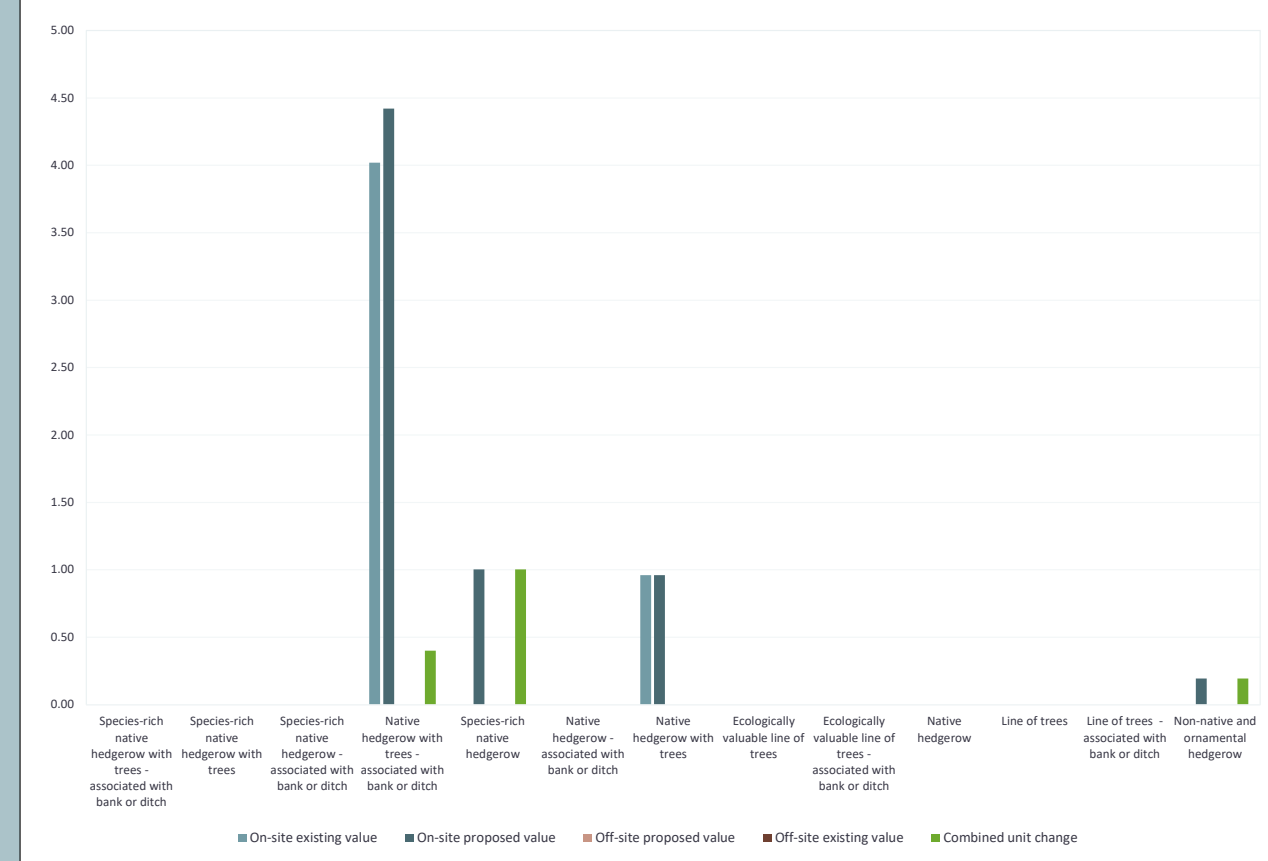
On-site and off-site hedge retention category (biodiversity units)



Off-site change by hedgerow type

Hedgerow type	Off-site baseline		Post-development off-site		Off-site change	
	Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	Off-site length change	Off-site 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
Species-rich native hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00	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
Species-rich native hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgerow	0.00	0.00	0.00	0.00	0.00	0.00

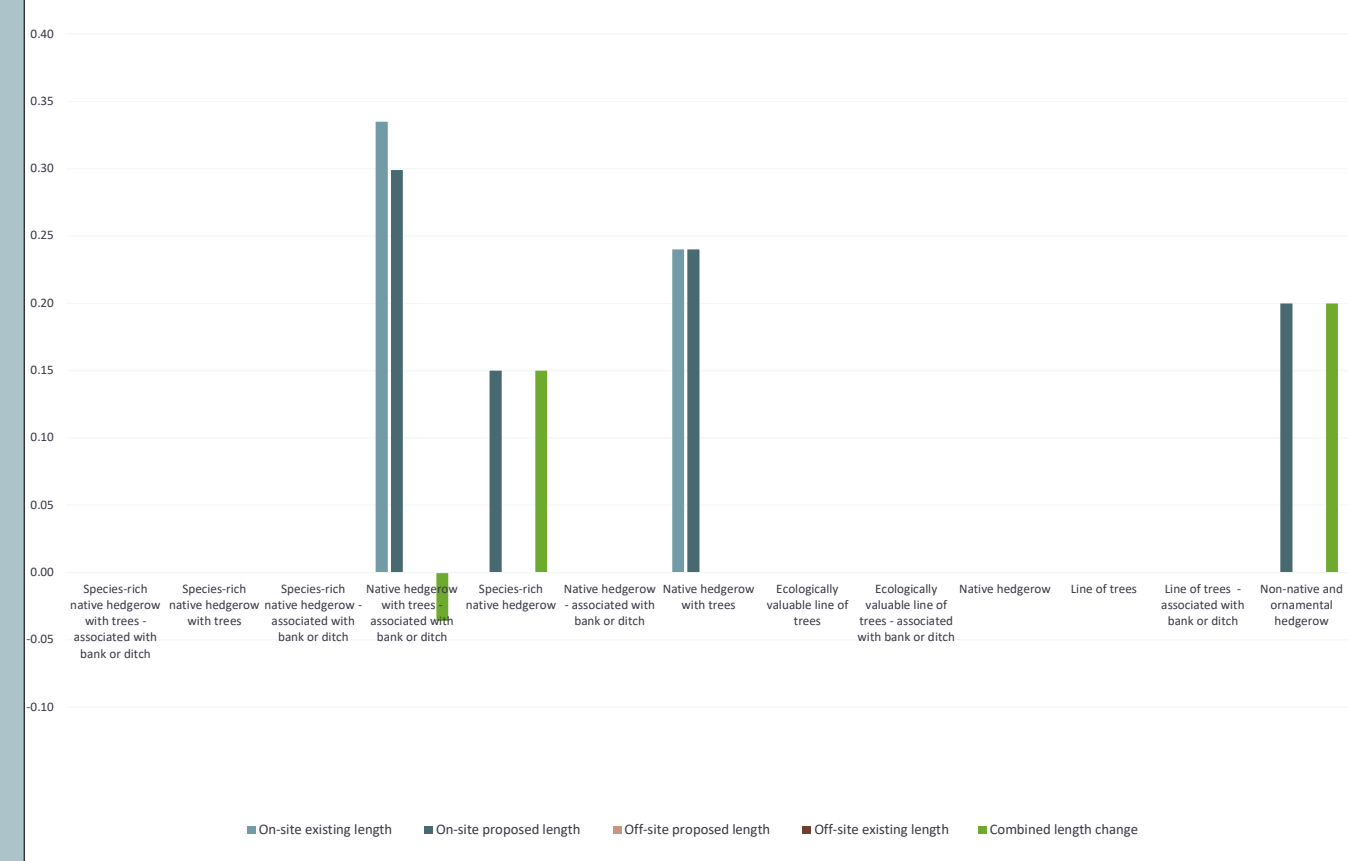
Hedgerow biodiversity unit change



Combined on-site and off-site change by hedgerow type

Hedgerow type	Baseline		Post-development		Change	
	Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change	Combined 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
Species-rich native hedgerow with trees	0.00	0.00	0.00	0.00	0.00	0.00
Species-rich native hedgerow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow with trees - associated with bank or ditch	0.34	4.02	0.30	4.42	-0.04	0.40
Species-rich native hedgerow	0.00	0.00	0.15	1.00	0.15	1.00
Native hedgerow - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow with trees	0.24	0.96	0.24	0.96	0.00	0.00
Ecologically valuable line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Ecologically valuable line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Native hedgerow	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees	0.00	0.00	0.00	0.00	0.00	0.00
Line of trees - associated with bank or ditch	0.00	0.00	0.00	0.00	0.00	0.00
Non-native and ornamental hedgerow	0.00	0.00	0.20	0.19	0.20	0.19

Hedgerow length change (km)



Watercourses

On-site change by watercourse type

Watercourse type	Baseline		Post-development on site		On-site Change	
	On-site existing length	On-site existing value	On-site proposed length	On-site proposed value	On-site length change	On-site unit change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.2	0.5	0.2	0.9	0.0	0.3
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

Off-site change by watercourse type

Watercourse type	Baseline		Post-development off-site		Off-site Change	
	Off-site existing length	Off-site existing value	Off-site proposed length	Off-site proposed value	Off-site length change	Off-site unit change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.0	0.0	0.0	0.0	0.0	0.0
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

Combined on-site and off-site change by watercourse type

Watercourse type	Baseline		Post-development on-site		On-site change	
	Combined existing length	Combined existing value	Combined proposed length	Combined proposed value	Combined length change	Combined unit change
Priority habitat	0.0	0.0	0.0	0.0	0.0	0.0
Other rivers and streams	0.0	0.0	0.0	0.0	0.0	0.0
Ditches	0.2	0.5	0.2	0.9	0.0	0.3
Canals	0.0	0.0	0.0	0.0	0.0	0.0
Culvert	0.0	0.0	0.0	0.0	0.0	0.0

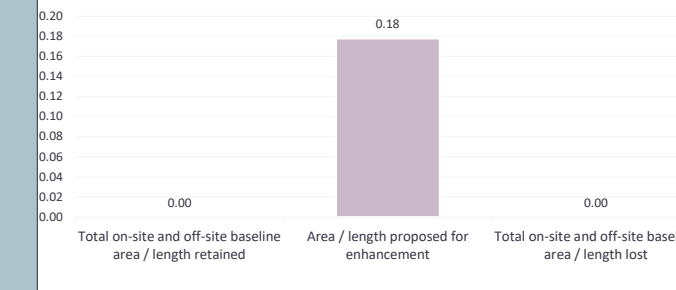
Combined length lost by distinctiveness band

Category	Length lost (km)	Length lost (%)
V.High	0	
High	0	
Medium	0	
Low	0	

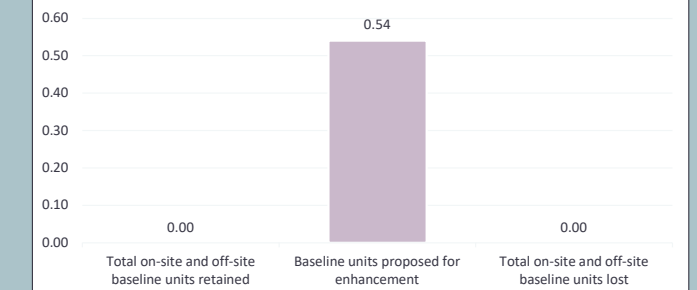
% Length lost by distinctiveness category



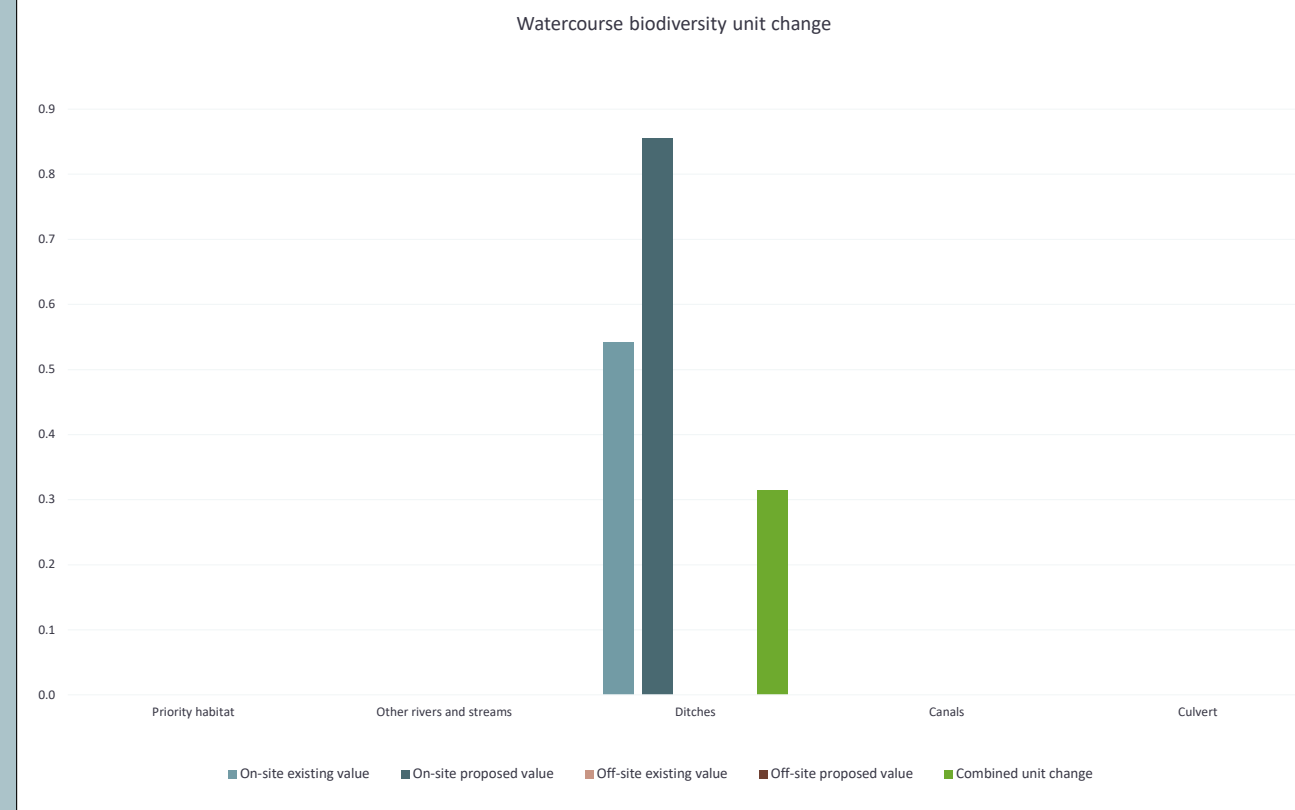
Watercourse length retained, proposed for enhancement or lost (length km)



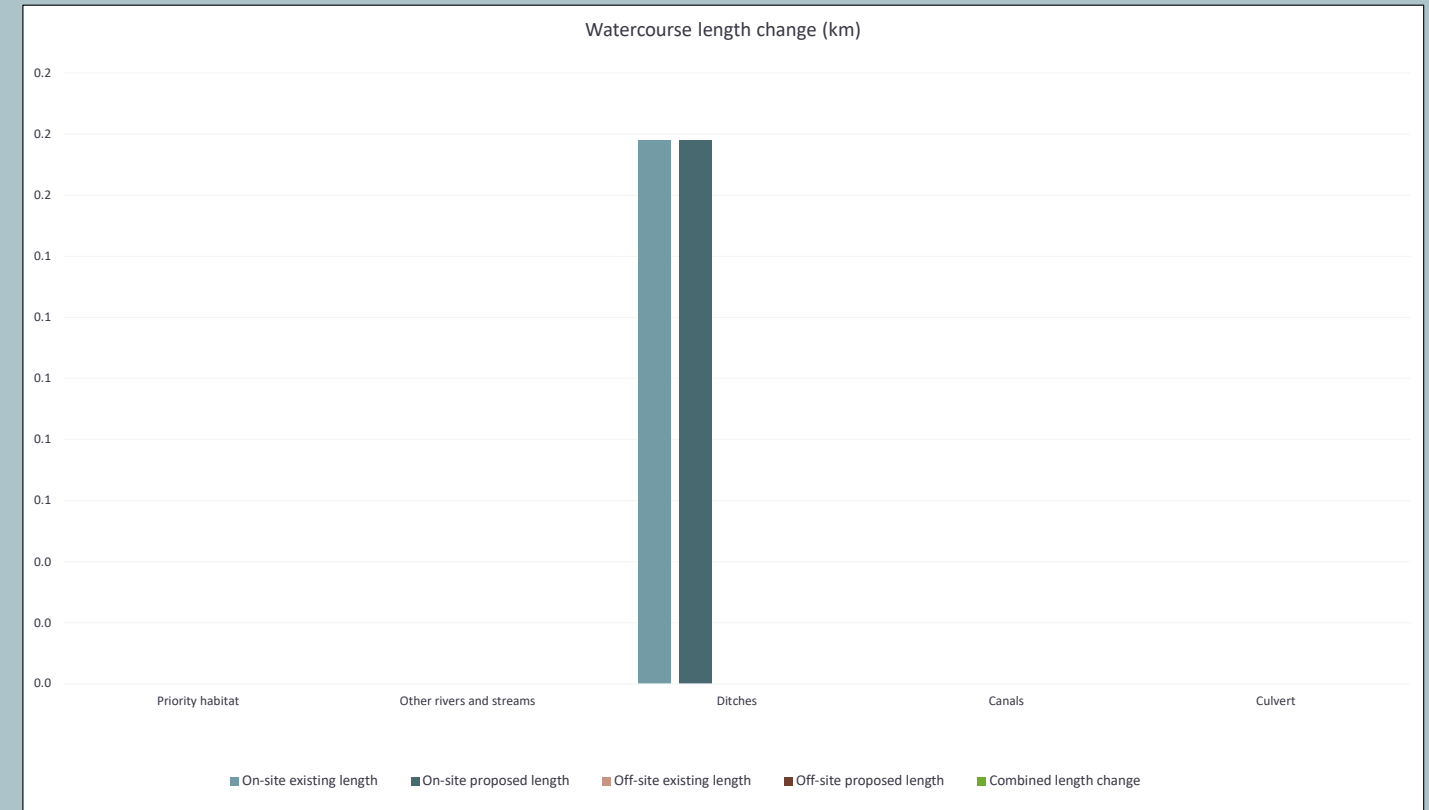
Watercourse retention category (watercourse biodiversity units)



Watercourse biodiversity unit change



Watercourse length change (km)



Project Name: Land at Buntingford West, Buntingford Map Reference:
A-1 On-Site Habitat Baseline

Condense / Show Columns Condense / Show Rows

Main Menu Instructions

Area habitat summary	
Total Net Unit Change	15.49
Total Net % Change	41.98%
Trading Rules Satisfied	Yes ✓

Ref	Existing area habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline Total habitat units
	Broad Habitat	Habitat Type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic Significance multiplier		
1	Cropland	Non-cereal crops	17.61	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 ≥	35.22
2	Grassland	Modified grassland	0.39	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.78
3	Sparsely vegetated land	Ruderal/Ephemeral	0.026	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.05
4	Heathland and shrub	Bramble scrub	0.047	Medium	4	Condition Assessment N/A	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (2)	0.19
5	Heathland and shrub	Mixed scrub	0.078	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same broad habitat or a higher distinctiveness habitat required (2)	0.31
6	Urban	Developed land, sealed surface	0.51	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00
7	Urban	Developed land, sealed surface	0.24	V.Low	0	N/A - Other	0	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Compensation Not Required	0.00
8	Urban	Bare ground	0.17	Low	2	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness or better habitat required ≥	0.34
9												
10												
11												
12												
13												
			Total habitat area									36.89
			Site Area (Excluding area of Individual trees and Green walls)									19.07

Area retained	Area enhanced	Retention category biodiversity value				Bespoke compensation agreed for unacceptable losses	Comments				
		Baseline units retained	Baseline units enhanced	Area habitat lost	Units lost		User comments	Consenting body comments	GIS reference number		
		0.00	0.00	17.61	35.22				Majority of the land is arable field (improved grassland) used for cattle purposes etc.		
		0.00	0.00	0.39	0.78				Poor quality semi-improved grassland areas at the margins. Poor condition due to association with arable, high intensive land and undesirable species.		
		0.00	0.00	0.03	0.05				Small section of ruderal vegetation at the central hedgerow of the site, associated with an old earth pile.		
		0.00	0.00	0.05	0.19				Areas of mainly bramble scrub are present at the northern boundary.		
		0.00	0.00	0.06	0.31				An area of mixed scrub present at the northern most boundary.		
		0.00	0.00	0.51	0.00				An area of hardstanding associated with existing land works.		
0.18		0.00	0.00	0.06	0.00				Part of the A10 which will be converted to a roundabout as part of the proposed works		
		0.00	0.00	0.17	0.34				An area of bare ground and horse manure at the south-eastern entrance of the site.		
0.18	0.00	0.00	0.00	18.89	36.89						

Total area lost (excluding area of Individual trees and Green walls)	18.89
---	--------------

M² to hectares conversion tool:	Select a unit	Hectares	M²
--	---------------	----------	----

Project Name: Land at Buntingford West, Buntingford Map Reference:
A-2 On-Site Habitat Creation

Condense / Show Columns Condense / Show Rows

Main Menu Instructions

Area habitat summary	
Total Net Unit Change	15.49
Total Net % Change	41.98%
Trading Rules Satisfied	Yes ✓
Area Check (excluding individual trees and green walls)	Area Acceptable ✓

Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness		Condition		Strategic significance			Temporal multiplier			Difficulty multipliers			Habitat units delivered	Comments								
			Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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	Consenting body comments	GIS reference number		
Urban	Allotments	0.28	Low	2	Moderate	2	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	1.08					
Urban	Developed land, sealed surface	8.1	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	Medium	0.67	0.00	Residential dwellings at 37 dwellings per hectare with reduced number for landscaping				
Urban	Developed land, sealed surface	1	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	Medium	0.67	0.00	Employment land				
Urban	Developed land, sealed surface	0.4	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	Medium	0.67	0.00	Local Centre land				
Urban	Vegetated garden	3.42	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	6.60	Rear gardens				
Urban	Developed land, sealed surface	0.22	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	Medium	0.67	0.00	Child play area				
Urban	Introduced shrub	0.5	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	0.97	It is assumed a number of non-native shrubs will be proposed within property frontages etc.				
Grassland	Modified grassland	1.37	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	4.75	Areas of amenity grassland will be proposed throughout PCS and other green spaces.				
Grassland	Other neutral grassland	0.9	Medium	4	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	0.837	Low	Standard difficulty applied	Low	1	6.03	Although within the attenuation basin, it is assumed wet wildflower meadow will be seeded.				
Heathland and shrub	Mixed scrub	1	Medium	4	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	0.837	Low	Standard difficulty applied	Low	1	6.69	Fund associated with acoustic fence assumed to be planted with native buffer mix or similar				
Grassland	Other neutral grassland	1.63	Medium	4	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	0.837	Low	Standard difficulty applied	Low	1	10.91	It is assumed some areas of wildflower meadow mix can be seeded within informal areas of green space and PCS				
Urban	Developed land, sealed surface	0.065	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	Medium	0.67	0.00	Proposed roundabout				
Individual trees	Urban tree	2.4655	Medium	4	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	27	0	0	Standard time to target condition applied	27	0.382	Low	Standard difficulty applied	Low	1	7.94					
Total habitat area		21.35																			Total Units	44.57			

Site Area (Excluding area of Individual trees and Green walls)	18.89
M² to hectares conversion tool	Select a unit Hectares M ²

Project Name: Land at Buntingford West, Buntingford Map Reference:
D-1 Off-Site Habitat Baseline

Condense / Show Columns Condense / Show Rows
Main Menu Instructions

Area habitat summary	
Total Net Unit Change	15.49
Total Net % Change	41.98%
Trading Rules Satisfied	Yes ✓

Baseline ref	Existing area habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Spatial risk multiplier		Ecological baseline	Retention category biodiversity value					Bespoke compensation agreed for unacceptable losses	Comments		GIS reference number	Off-site reference
	Broad habitat	Habitat type	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier		Spatial risk category	Total habitat units		Area retained	Area enhanced	Baseline units retained	Baseline units enhanced	Area lost		Units lost	User comments		
1	Cropland	Non-cereal crops	7.6	Low	2	Condition Assessment N/A	1	Compensation not in local strategy/ no local strategy	Strategic Signifi	1	Same distinctiveness or better habitat required ≥	Compensation inside LPA boundary or NCA of impact site	15.20	6.38		12.76	0.00	1.22	2.44	Arable land is present on the other side of the A10 which can be used for enhancement				
2																								
3																								
4																								
5																								
6																								
			Total habitat area									Total Site baseline	15.20											

Site Area (Excluding area of Individual trees and Green walls) 7.60

M² to hectares conversion tool: Select a unit Hectares M²

Total area lost (excluding area of Urban trees and Green walls) 1.22

Project Name: Land at Buntingford West, Buntingford Map Reference:
D-2 Off-Site Habitat Creation

Condense / Show Columns Condense / Show Rows
 Main Menu Instructions

Area habitat summary	
Total Net Unit Change	15.49
Total Net % Change	41.99%
Trading Rules Satisfied	Yes ✓
Area Check (excluding individual trees and green walls)	Area Acceptable □

Post development/ post intervention habitats																									
Broad Habitat	Proposed habitat	Area (hectares)	Distinctiveness	Score	Condition	Score	Strategic significance		Temporal risk multiplier					Difficulty risk multipliers			Spatial risk multiplier		Habitat units delivered	Comments					
							Strategic significance	Strategic position 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		Spatial risk category	User comments	Consenting body comments	GIS reference number	Off-site reference	
Grassland	Other neutral grassland	1.22	Medium	4	Good	3	Area/compensation not in local strategy/ no local strategy	1	10	0	0	Standard time to target condition applied	10	0.700	Low	Standard difficulty applied	Low	1	Compensation inside LPA boundary or NCA of impact site	10.25	Arable land in present on the other side of the A10, part of this will be converted to native wildflower meadow for an enhancement				
Total habitat area		1.22																		10.25					

Site Area (Excluding area of individual trees and Green walls)	1.22
M ² to hectares conversion tool:	Select a unit Hectares M ²

Project Name: Land at Buntingford West, Buntingford Map Reference:

B-1 On-Site Hedge Baseline

Hedgerow summary	
Total Net Unit Change	1.60
Total Net % Change	32.08%
Trading Rules Satisfied	Yes ✓

Condense / Show Columns Condense / Show Rows

Main Menu Instructions

Baseline ref	Existing hedgerow habitats			Distinctiveness		Condition		Strategic significance			Required Action to Meet Trading Rules	Ecological baseline Total hedgerow units	Retention category biodiversity value						Comments		GIS reference number
	Hedge number	Hedgerow type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position multiplier			Length retained	Length enhanced	Units retained	Units enhanced	Length lost	Units lost	User comments	Consenting body comments	
1		Native hedgerow with trees - associated with bank or ditch	0.178	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	2.14		0.16	0.00	1.92	0.02	0.22	Species-poor hedgerow running through the centre of the site, adjacent the wet ditch.		
2		Native hedgerow with trees - associated with bank or ditch	0.157	High	6	Moderate	2	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Like for like or better	1.88	0.139		1.67	0.00	0.02	0.22	Species-poor hedgerow running through the site (north to south), adjacent the dry ditch.		
3		Native hedgerow with trees	0.24	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Same distinctiveness band or better	0.96	0.24		0.96	0.00	0.00	0.00	Species-poor hedgerow at the south-eastern boundary of the site		
4																					
5																					
6																					
7																					
8																					
			0.58									4.98	0.38	0.16	2.63	1.92	0.04	0.43			

Project Name: Land at Buntingford West, Buntingford Map Reference:
B-2 On-Site Hedge Creation

Hedgerow summary	
Total Net Unit Change	1.60
Total Net % Change	32.09%
Trading Rules Satisfied	Yes /

Condense / Show Columns Condense / Show Rows
 Main Menu Instructions

Baseline ref	New hedge number	Proposed habitats		Distinctiveness		Condition		Strategic significance			Temporal multiplier					Difficulty risk multipliers				Hedge units delivered	Comments		GIS reference number	
		Habitat type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic position 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		Consenting body comments
1		Non-native and ornamental hedgerow	0.2	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			
2		Species-rich native hedgerow	0.15	Medium	4	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	0.837	Low	Standard difficulty applied	Low	1	1.00			
3																								
4																								
5																								
6																								
7			0.35																		1.20			

Project Name: Land at Buntingford West, Buntingford Map

C-1 On-Site WaterC' Baseline

Condense / Show Columns

Condense / Show Rows

Main Menu

Instructions

Watercourse summary

Total Net Unit Change	0.31
Total Net % Change	88.10%
Trading Rules Satisfied	Yes ✓

Baseline ref	Existing watercourse type		Distinctiveness		Condition		Strategic significance			Watercourse encroachment		Riparian encroachment		Required Action to Meet Trading Rules	Ecological baseline Total watercourse units	Retention category biodiversity value						Bespoke compensation agreed for unacceptable losses	Comments		GIS reference number
	Watercourse type	Length (km)	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic significance multiplier	Extent of encroachment	Multiplier	Extent of encroachment for both banks	Multiplier			Length retained	Length enhanced	Units retained	Units enhanced	Length Lost	Units Lost		User Comments	Consenting body comments	
1	Ditches	0.178	Medium	4	Poor	1	Area/compensation not in local strategy/ no local strategy	Low Strategic Significance	1	Minor	0.8	Minor/ Minor	0.95	Same habitat required =	0.54	0.00	0.178	0.54	0.00	0.00	Wet ditch which cuts through the centre of the site. An existing culvert is present and track to access northern field.				
2																									
3																									
4																									
5																									
6		0.18													0.54	0.00	0.18	0.54	0.00	0.00					

Project Name: Land at Buntingford West, Buntingford Map Reference: C-3 On-Site WaterC Enhancement

Download / Show Column / Download / Show Row / View Plans / Print Table

Watercourse summary	
Total Net Use Change	0.31
Total Net % Change	59.17%
Trading Rules Satisfied	Yes

Baseline ref	Baseline habitat	Length (m)	Baseline habitat						Proposed Watercourse Type (Pre-populated can be overridden)	Change in distinctiveness and condition		Habitat distinctiveness		Habitat condition		Strategic significance				Temporal multiplier				Difficulty multipliers			Watercourse encroachment		Riparian encroachment		Watercourse units delivered	Comments		CRS reference number		
			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	Total units	Distinctiveness movement	Condition movement	Distinctiveness	Score	Condition	Score	Strategic significance	Strategic significance	Strategic priority multiplier	Standard Time to target condition (years)	Habitat enhanced in advance (years)	Delay to 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
1	Ditches	0.178	Medium	4	Poor	1	Amend/replace out to local strategy to local strategy	Low Strategic Significance	1	Some habitat required	0.54112	Medium	4	Moderate	2	Amend/replace out to local strategy to local strategy	Low Strategic Significance	1	4	0	0	Standard time to target condition applied	4	0.867	Medium	Standard difficulty applied	Medium	0.67	Minor	0.8	Minor/Minor	0.95	0.86			
9.18												0.86																								