

Applicability of this calculator tool to the BREEAM Family of Schemes (BREEAM, CEEQU

This calculator tool is applicable for BREEAM, CEEQUAL and HQM schemes used in the UK onwards.

The relevance of this tool to a project being assessed with any of these schemes is dependent on the scheme version. Reference should be made to the scheme Technical Manual and specifically the assessment criteria. If the assessment criteria do not require completion of this tool, the information set out here is demonstrating compliance with the assessment criteria in those scheme versions.

Instructions for Use:

To obtain habitat type references and associated input values, please refer to GN36 Appendix Resources section of the BREEAM website, the Assessor Extranet or BREEAM Projects we should reflect either the Phase 1 types or Defra 2012b types provided in the appendix.

All details need to be completed before a score is given. If any information is entered into the tool but not completed; if a particular habitat type is not applicable, it should be left entirely blank.

When entering area-based information, either Hectares or Square Metres can be used. The tool will convert to the unit used in the assessment.

All length-based measurements should be given in Metres.

If the project meets the necessary requirements to undergo a simplified calculation method (as defined in HQM Ecology Calculation Methodology - Route 2 Section 4 for further information), all cells should be set to "Moderate", unless evidence can be provided that the habitat is in "Good" condition.

On the "Summary" tab, only cells highlighted need to be completed by the Ecologist, the information provided in the tool.

To aid navigation, the tool currently provides 25 habitat parcels for each habitat type and allows the user to add new rows. If this number is insufficient for the project being assessed, please contact the tool provider for additional rows. Please specify an estimate of the number of rows required to complete the assessment.

To understand further about how the final score is determined, please refer to GN36 BRE Calculation Methodology - Route 2 for full details on the calculation methodology.

To determine the number of credits or points that could be awarded based on the result of the assessment, please refer to the BREEAM, CEEQUAL and HQM Technical Manual.

Calculator

IAL, HQM)

K which opened for registrations from 2018

ident on the scheme's version being used.
ent issue content to determine this. If the
s not relevant and it cannot be used for

endix C, which is available from the
bsite. Habitat types entered into the tool

o any line of the tool, all fields should be

his must be kept consistent throughout the

rod (See GN36 BREEAM, CEEQUAL and
ondition scores should be marked as

remaining cells will update, based on the

l due to cell protection, it is not possible to
t BREEAM@bre.co.uk and request
the assessment when contacting BREEAM.

BREEAM, CEEQUAL and HQM Ecology

obtained, please refer to the 'Credit Award

BREEAM, CEEQUAL & HQM Change in Ecological Value Calculator

NB: All assessment details below must be completed before result will be generated

1 Site Name

2 Development Footprint Area

3 Unit of Area

4 Have statutory obligations been met?

5 Is Area Based Habitat Pre Development Biodiversity Unit score 0?

If 5 is "Yes", what percentage of Development Footprint does habitat created, that's distinctiveness is not 0, cover?

7 Are any Linear (Watercourse) Habitats present Pre Development?

8 If yes, are all habitats present in "Good" condition Pre Development and remain untouched throughout development?

9 Can Linear (Watercourse) Habitats be filtered out?

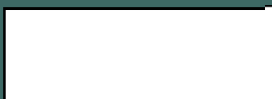
10 If applicable, should Linear (Watercourse) Habitats be filtered out?

11 Are any Linear (Foliage) Habitats present Pre Development?

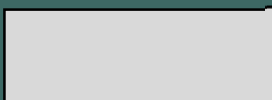
12 If yes, are all habitats present in "Good" condition Pre Development and remain untouched through development?

13 Can Linear (Foliage) Habitats be filtered out?

14 If applicable, should Linear (Foliage) Habitats be filtered out?



Cells that are white with a black border require the user to input information, available options or entering the required data.



Cells that are light grey (with/without black border) contain information for the calculation. They do not require the user to input or select data.

given

dersfield - Health and Wellbeing Academy - Phase 2

2288	
Square Metres	Note: Must be applied consistently through
Yes	
No	
Not Applicable	
No	
N/A	Note: If 7 and 8 are both "Yes", or 7 is "N
Yes	Check this cell before selecting from the
Yes	Note: No should only be selected where habitat is present Pre or Post Developme
No	
N/A	Note: If 11 and 12 are both "Yes", or 11
Yes	Check this cell before selecting from the
Yes	Note: No should only be selected where habitat is present Pre or Post Developme

	Area Based Habitats
Pre Development	4138
Post Development	1604
Post Development % of Pre Development	38%

Total Post Development % of Pre Development (Lowest Score)

either by selecting from the
the user and/or automated

ghout the assessment

o" then Linear (Watercourse) habitats can be filtered out for the purpose of credit award
drop down menu, 10, below.
new habitat is created and reward is sought for this creation. It is automatically filtered if none of the s
ent.

is "No" then Linear (Watercourse) habitats can be filtered out for the purpose of credit award
drop down menu, 14, below.
new habitat is created and reward is sought for this creation. It is automatically filtered if none of the s
ent

Linear (Watercourse) Habitats	Linear (Foliage) Habitats
0	0
0	0
<i>Filtered for purpose of credit award</i>	<i>Filtered for purpose of credit award</i>

38%	<i>Not Applicable</i>
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pecified

pecified

	Insert Pre Dev Parcel Number in Column B
	Insert Pre Dev Parcel Number in Column B
	Insert Pre Dev Parcel Number in Column B
Total	0

Total	
Pre Development Area Biodiversity Units	Area Based Units Lost
4138	4138

I Post Development Area Biodiversity Units		
Area Based Units (Creation)	Area Based Units (Enhancement)	Total Post Development Area Biodiversity Units
1603.70	0.00	1603.70

Biodiversity Unit Score
38%

Spatial Risk	Biodiversity Units
Not making a contribution to local strategy	0.00
Within 500m of the area of loss or in same ecological network	293.88
Within 500m of the area of loss or in same ecological network	200.88
Within 500m of the area of loss or in same ecological network	13.58
Within 500m of the area of loss or in same ecological network	1095.36
	0.00
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Biodiversity Unit Score

Filtered for purpose of credit
award

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Biodiversity Unit Score

Filtered for purpose of credit award

Scheme		
	Less than 75%	Between 76% & 94%
BREEAM UK New Construction 2018	0	1
Home Quality Mark One	0	2

Credits or Points Awarded		
Between 95% & 104%	Between 105% & 109%	110% and above
2	3	1 (Exemplary Level Credit)
4	6	8

BREEAM, CEEQUAL & HQM Change In Ecology

Version	Release Date	Description of change
Current version		
3.3	26/06/2019	Area calculation error
Previous version		
3.2	20/05/2019	Area calculation error
3.1	30/04/2019	Area enhancement ro
3.0	29/11/2018	Updated logic to allow
2.0	18/09/2018	Area enhancement ca
1.0	16/08/2018	Initial release version

Ecological Value Calculator



Changes/additions made to the BREEAM, CEEQUAL & HQM Change In Ecological Value Calculator

fixed to deal with zero biodiversity units present Pre Development

fixed

undoing inconsistency fixed, scoring calculation changed to correctly deal with zero area scenarios

Linear Watercourse filter to be overridden and to allow Linear Foliage to be filtered

Calculation error fixed

of BREEAM, CEEQUAL & HQM Change in Ecological Value Calculator

Distinctiveness	Score
High	6
Medium	4
Low	2
Hard Standing or Building	0

Answer Options
Yes
No

Credit Table - Not Currently Used

Category	Credits
Minimising Loss	1
No Net Loss	2
Net Gain	3
Significant Net Gain	5

Error Messages
Error - Biodiversity Units lost cannot exceed Pre Development Biodiversity Units
Incomplete Habitat Details
Errors to be corrected
Statutory obligations not met
Please complete all assessment details
Insufficient habitat created to award credits
Filtered for purpose of credit award
Error - Enhancement must be positive

Area Pre
4138

Area Post
1603.7

Area Percentage
38%

Area Created where distinctiveness > 0
357

Condition
Good
Moderate
Poor
Hard Standing or Building

Answer Options (Area)
Hectares
Square Metres

Calc Score
0.38

Final Score
Not Applicable

Cumulative	Award Calc
	0 Not Applicable
	0.75 Minimising Loss
	0.95 No Net Loss
	1.05 Net Gain
	1.1 Significant Net Gain
Errors to be corrected	Errors to be corrected

Watercourse Pre
0

Watercourse Post
0

Water Percentage
Filtered for purpose of credit award

Score	
3	
2	
1	
0	

Delivery Risk	Risk Factor
Very High	0.10
High	0.33
Medium	0.66
Low	1.00

Area Threshold	Area
2.5%	57.2
5%	114.4

Area 0 - Water
No

Marginal	
0.75	
0.2	
0.1	
0.05	

Area Created
Not Applicable

Watercourse Present
No

Watercourse Condition
N/A

Foliage Pre
0

Watercourse Filter
Yes

Foliage Post
0

Assessment Details
14

Foliage Percentage
Filtered for purpose of credit award

Watercourse Filter Drop Down
1

Temporal Risk	Risk Factor
0	1
1	0.97
2	0.93
5	0.84
10	0.71
15	0.59
20	0.5
25	0.42
30	0.36
>30	0.33

Area 0 - Foliage
Yes

Foliage Present
No

Foliage Condition
N/A

Foliage Filter
Yes

Foliage Filter Drop Down
1

Location of Habitat Creation or Enhancement	Risk Factor
Within 500m of the area of loss or in same ecological network	1.00
Contributes to and is in a location identified within a local strategy	0.67
Not making a contribution to local strategy	0.50