

UKHab 2.0 Survey Report & BNG

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Introduction

In December 2024 Daniel Ahern Ecology were instructed by Chris Flint to complete a UKHab 2.0 survey of a site at 15 Langstone Road in Havant, where it is proposed to build a residential building on land to the rear of an existing apartment complex.

Method

UKHab 2.0 survey of the site was undertaken with reference to the Chartered Institute of Ecology and Environmental Management's Guidelines for Preliminary Ecological Appraisal (CIEEM, 2017).

The survey was conducted on the 27th of December 2024 by Joseph Dean.

The weather conditions were good with an average temperature of 7°C.

During the survey, dominant plant species were recorded, and habitats were classified according to their vegetation types, as identified in the UKHab 2.0 user's handbook. Target notes (TN) were taken to denote species and habitats of conservation interest and to describe the vegetation in areas that were too small to map. Evidence or habitat suitable for any legally protected species was recorded, where appropriate.

The presence of any Category 9 invasive non-native plant species was recorded.

Results

The following habitat type were recorded during the survey:

- g4 (secondary code 828) – vegetated garden

Species lists for the habitats recorded are set out in Table 1, below.

Table 1. Species list for the habitats recorded on site.

Habitat type	Species recorded	Percentage present
g4 (secondary code 828) – Vegetated garden	Annual meadow grass – <i>Poa annua</i>	10%
	Perennial rye grass – <i>Lolium perenne</i>	30%
	Timothy – <i>Phleum pratense</i>	30%
	Nettle – <i>Urtica dioica</i>	5%
	Teasle - <i>Dipsacus fullonum</i>	5%
	Ragwort - <i>Jacobaea vulgaris</i>	10%
	Thistle – <i>Cirsium</i> sp.	7%
	Japanese laurel - <i>Aucuba japonica</i>	1%
	Bay – <i>Laurus nobilis</i>	1%
	Butterfly bush – <i>Buddleja davidii</i>	1%

The results are presented in a UKHab 2.0 map (see Figure 1).

Figure 1. UKHab 2.0 baseline habitat map of the Site.



The results of this UKHab survey may be used to inform a Biodiversity Net Gain assessment.

It is proposed to a single house and associated infrastructure on the site, the statutory metric was used for the proposed development, this shows a net loss of 37.38% within the habitats as shown in figure 2.

The proposed development will require 0.08 habitat units of a LOW value habitat to achieve 10% BNG.

Figure 2. Statutory metric result for the proposed development.

15 Langstone Road

Headline Results

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On-site baseline	Habitat units	0.17	
	Hedgerow units	0.00	
	Watercourse units	0.00	
On-site post-intervention (including habitat retention, creation & enhancement)	Habitat units	0.10	
	Hedgerow units	0.10	
	Watercourse units	0.00	
On-site net change (units & percentage)	Habitat units	-0.06	-37.38%
	Hedgerow units	0.10	N/A
	Watercourse units	0.00	0.00%

On-site net gain is less than target of 0
Zero baseline units - % cannot be calculated

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	-0.06	
	Hedgerow units	0.10	
	Watercourse units	0.00	
Spatial risk multiplier (SRM) deductions	Habitat units	0.00	
	Hedgerow units	0.00	
	Watercourse units	0.00	

Ensure bespoke compensation has been agreed where stated

FINAL RESULTS

Total net unit change (including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	-0.06	
	Hedgerow units	0.10	
	Watercourse units	0.00	
Total net % change (including all on-site & off-site habitat retention, creation & enhancement)	Habitat units	-37.38%	Total net gain achieved is less than target of 0
	Hedgerow units	N/A	0 baseline units - % cannot be calculated
	Watercourse units	0.00%	

Trading rules satisfied?

No - Check Trading Summaries

Unit Type	Target	Baseline Units	Units Required	Unit Deficit
Habitat units	10.00%	0.17	0.18	0.00
Hedgerow units	10.00%	0.00	0.00	0.00
Watercourse units	10.00%	0.00	0.00	0.00

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

Input errors/rule breaks present in metric

Figure 3. UKHab 2.0 projected post development habitat map of the Site.

