

## Site Improvement Plan

# Calf Hill & Cragg Woods

Site Improvement Plans (SIPs) have been developed for each Natura 2000 site in England as part of the Improvement Programme for England's Natura 2000 sites (IPENS). Natura 2000 sites is the combined term for sites designated as Special Areas of Conservation (SAC) and Special Protected Areas (SPA). This work has been financially supported by LIFE, a financial instrument of the European Community.

The plan provides a high level overview of the issues (both current and predicted) affecting the condition of the Natura 2000 features on the site(s) and outlines the priority measures required to improve the condition of the features. It does not cover issues where remedial actions are already in place or ongoing management activities which are required for maintenance.

The SIP consists of three parts: a Summary table, which sets out the priority Issues and Measures; a detailed Actions table, which sets out who needs to do what, when and how much it is estimated to cost; and a set of tables containing contextual information and links.

Once this current programme ends, it is anticipated that Natural England and others, working with landowners and managers, will all play a role in delivering the priority measures to improve the condition of the features on these sites.

The SIPs are based on Natural England's current evidence and knowledge. The SIPs are not legal documents, they are live documents that will be updated to reflect changes in our evidence/knowledge and as actions get underway. The information in the SIPs will be used to update England's contribution to the UK's Prioritised Action Framework (PAF).

The SIPs are not formal consultation documents, but if you have any comments about the SIP or would like more information please email us at [IPENSLIFEProject@naturalengland.org.uk](mailto:IPENSLIFEProject@naturalengland.org.uk), or contact Natural England's Responsible Officer for the site via our enquiry service 0300 060 3900, or [enquiries@naturalengland.org.uk](mailto:enquiries@naturalengland.org.uk)

**This Site Improvement Plan covers the following Natura 2000 site(s)**

**UK0030106 Calf Hill & Cragg Woods SAC**

## Site description

Calf Hill and Cragg Woods lie at an altitude of 150m, approximately 7 Km east of Lancaster on the north western side of the Bowland Fells. They occupy the north and south facing slopes of a steep sided valley above the river Conder, a tributary of the river Lune, which has cut into underlying rocks of the Millstone Grit Series.

The woods support one of the most extensive stands of upland oak-birch woodland in Lancashire, as well as large stands of valley alder woodland with wet birch woodland. All three woodland types are nationally scarce and are typical of upland areas with high rainfall on shallow mildly acid soils with spring lines in sheltered valley situations in the north west of England.

## Plan Summary

*This table shows the prioritised issues for the site(s), the features they affect, the proposed measures to address the issues and the delivery bodies whose involvement is required to deliver the measures. The list of delivery bodies will include those who have agreed to the actions as well as those where discussions over their role in delivering the actions is on-going.*

Priority & Issue	Pressure or Threat	Feature(s) affected	Measure	Delivery Bodies
1 Air Pollution: risk of atmospheric nitrogen deposition	Threat	H91A0 Western acidic oak woodland	Further investigate potential atmospheric nitrogen impact on the site	Natural England

## Issues and Actions

*This table outlines the prioritised issues that are currently impacting or threatening the condition of the features, and the outstanding actions required to address them. It also shows, where possible, the estimated cost of the action and the delivery bodies whose involvement will be required to implement the action. Lead delivery bodies will be responsible for coordinating the implementation of the action, but not necessarily funding it. Delivery partners will need to support the lead delivery body in implementing the action. In the process of developing the SIPs Natural England has approached the delivery bodies to seek agreement on the actions and their roles in delivering them, although in some cases these discussions have not yet been concluded. Other interested parties, including landowners and managers, will be involved as the detailed actions are agreed and delivered. Funding options are indicated as potential (but not necessarily agreed or secured) sources to fund the actions.*

### 1 Air Pollution: risk of atmospheric nitrogen deposition

Modelled nitrogen deposition exceeds the site-relevant critical load for ecosystem protection and hence there is a risk of harmful effects, but the sensitive features are currently considered to be in favourable condition on the site. This requires further investigation. Past knowledge of the site over the past 20 years has not produced any evidence of adverse nitrogen impact.

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1A	Further investigate potential atmospheric nitrogen impacts on the site based on application of guidance from Chief Scientist Group Nitrogen Task and Finish Group	Not yet determined	2017	Investigation / Research / Monitoring	Not yet determined	Natural England	n/a

## Site details

The tables in this section contain site-relevant contextual information and links

### Qualifying features

#UK Special responsibility

#### Calf Hill & Cragg Woods SAC

H91A0 Old sessile oak woods with *Ilex* and *Blechnum* in the British Isles

H91E0# Alluvial forests with *Alnus glutinosa* and *Fraxinus excelsior* (*Alno-Padion*, *Alnion incanae*, *Salicion albae*)

### Site location and links

#### Calf Hill & Cragg Woods SAC

Area (ha) **34.43**      Grid reference **SD543614**      [Map link](#)

Local Authorities      Lancashire

Site Conservation Objectives      [European Site Conservation Objectives for Calf Hill & Cragg Woods SAC](#)

European Marine Site conservation advice      [n/a](#)

Regulation 33/35 Package      [n/a](#)

Marine Management Organisation site plan      [n/a](#)

## Water Framework Directive (WFD)

*The Water Framework Directive (WFD) provides the main framework for managing the water environment throughout Europe. Under the WFD a management plan must be developed for each river basin district. The River Basin Management Plans (RBMP) include a summary of the measures needed for water dependent Natura 2000 sites to meet their conservation objectives. For the second round of RBMPs, SIPs are being used to capture the priorities and new measures required for water dependent habitats on Natura 2000 sites. SIP actions for non-water dependent sites/habitats do not form part of the RBMPs and associated consultation.*

### **Calf Hill & Cragg Woods SAC**

<i>River basin</i>	North West	<a href="#">North West RBMP</a>
<i>WFD Management catchment</i>	Lune	
<i>WFD Waterbody ID (Cycle 2 draft)</i>	GB112072065900	

## Overlapping or adjacent protected sites

Site(s) of Special Scientific Interest (SSSI)	
Calf Hill & Cragg Woods SAC	Calf Hill and Cragg Woods SSSI

  

National Nature Reserve (NNR)	
Calf Hill & Cragg Woods SAC	n/a

  

Ramsar	
Calf Hill & Cragg Woods SAC	n/a

  

Special Areas of Conservation (SAC) and Special Protection Areas (SPA)	
Calf Hill & Cragg Woods SAC	n/a

<i>Version</i>	<i>Date</i>	<i>Comment</i>
1.0	09/10/2014	

[www.naturalengland.org.uk/ipens2000](http://www.naturalengland.org.uk/ipens2000)

