

# Site Improvement Plan

## North Pennine Dales Meadows

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)**

**UK0014775     North Pennine Dales Meadows SAC**

## Site description

The North Pennine Dales Meadows SAC is a series of isolated fields within the higher parts of the enclosed valley bottoms of several north Pennine and Cumbrian valleys. The SAC is comprised of 58 component Sites of Special Scientific Interest (SSSI), which are located across the counties of Cumbria, Durham, Lancashire, North Yorkshire and Northumberland. It contains the major part of the remaining UK resource of mountain hay meadows and purple moor grass meadows, supporting a characteristic herb-rich vegetation unique to the Pennines and other upland areas of Northern England. The fields are part of the agricultural landscape and economy and are managed by summer cutting for hay; and grazing through the rest of the year.

## 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 Fertiliser use	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Review fertiliser use as part of agri-environment, and review existing consents	Forest Of Bowland AONB, Natural England, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority, Yorkshire Wildlife Trust, Yorkshire Dales Millennium Trust
2 Change in land management	Threat	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Replace Site Management Statements with time-limited consents	Natural England
3 Air Pollution: impact of atmospheric nitrogen deposition	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Develop and implement Site Nitrogen Action Plan	Defra, Natural England, Natural Environment Research Council (NERC)

4 Change in land management	Pressure/ Threat	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Ensure appropriate management continues	Durham Wildlife Trust, Forest Of Bowland AONB, Natural England, North Pennines AONB, Northumberland National Park Authority, Northumberland Wildlife Trust, Yorkshire Dales National Park Authority, Yorkshire Wildlife Trust, Yorkshire Dales Millennium Trust
5 Inappropriate cutting/mowing	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Promote traditional hay making	Forest Of Bowland AONB, Natural England, North Pennines AONB, Northumberland National Park Authority, Rural Payments Agency (RPA), Yorkshire Dales National Park Authority, Yorkshire Dales Millennium Trust
6 Changes in species distributions	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Improve site baseline information and monitoring	Natural England, Consultant
7 Inappropriate CSS/ESA prescription	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Negotiate suitable shut-up dates	Natural England
8 Drainage	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Encourage maintenance of drainage systems	Cumbria County Council, Environment Agency, Natural England, Lead Local Flood Authority(ies)
9 Overgrazing	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Promote suitable spring grazing regimes	Natural England
10 Undergrazing	Pressure	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Promote suitable aftermath and winter grazing regimes	Natural England

11	Hydrological changes	Threat	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Promote measures to reduce soil compaction	Forest Of Bowland AONB, Natural England, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority, Yorkshire Dales Millennium Trust
12	Inappropriate weed control	Threat	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Control herbicide use	Natural England
13	Invasive species	Threat	H6410 Purple moor-grass meadows, H6520 Mountain hay meadows	Monitor effects of and investigate causes of invasive species	Natural England
14	Direct impact from third party	Pressure	H6520 Mountain hay meadows	Control impacts of off-site activities	Environment Agency, Local Authority(ies), Natural England, Local constabulary(ies), Environmental health

## 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 Fertiliser use

Fertiliser use on certain areas, in particular upland hay meadows, is preventing achievement of favourable condition due to nutrient enrichment.

Action	Action description	Cost estimate	Timescale	Mechanism	Funding option	Delivery lead body	Delivery partner(s)
1A	Implement the outcomes of the Uplands Evidence review on the impacts of different rates of nutrient applications on hay meadows via renegotiation of HLS/NELMS prescriptions.	£250,000	2015-20	Rural Development Programme for England (RDPE): Environmental Stewardship Higher Level Scheme (HLS)	Rural Development Programme (RDPE)	Natural England	Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority, Yorkshire Wildlife Trust, Yorkshire Dales Millennium Trust
1B	Commission additional national research identified in the Uplands Evidence Review into the influence of different nutrients and their application on northern hay meadows.	£500,000	2015-20	Investigation / Research / Monitoring	Not yet determined	Natural England	n/a

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>1C</b>	Review consents and where renegotiation is unsuccessful source funding to implement outcomes.	£4,100,000	2015-20	Regulation: Compulsory Withdraw/Modify Notice/Consent	Defra	Natural England	n/a

## 2 Change in land management

Underlying consents which allow inappropriate management of the SAC features exist, in the form of Site Management Statements. Land managers could revert back to these instead of signing up to an agri-environment scheme.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>2A</b>	Review the effects of existing consents on the SAC features, and where necessary re-negotiate consents. Where re-negotiation is not possible, source funding to implement outcomes.	No funding required, part of compulsory withdrawal of fertiliser use	2015-20	Regulation: Compulsory Withdraw/Modify Notice/Consent	No funding required	Natural England	n/a

## 3 Air Pollution: impact of atmospheric nitrogen deposition

Nitrogen deposition exceeds site relevant critical loads. This may be partially due to local fertiliser use. In some areas the effects are apparent, where there is a loss of species richness.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>3A</b>	Control, reduce and ameliorate atmospheric nitrogen impacts.	Not yet determined	2015-20	Site Nitrogen Action Plan	Not yet determined	Natural England	Defra, Natural Environment Research Council (NERC)

## 4 Change in land management

Amalgamation of farm holdings is leading to undermanagement of some meadows. Management for hay is becoming less viable and productivity is reducing, due to lack of liming and farmyard manure input and a lack of soil testing, so pressures tend towards conversion to pasture. Change in land ownership in some areas may lead to a change in management practices. On some parts of the site, stewardship is not in place to ensure appropriate management of the features.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>4A</b>	Advise landowners on appropriate management /suitable farming practices where ownership has changed.	£100,000	2015-20	Advice	Conservation and Enhancement Scheme (CES), New Environmental Land Management Scheme (NELMS), Management plan (not NE funded)	Natural England	Durham Wildlife Trust, Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Northumberland Wildlife Trust, Yorkshire Dales National Park Authority, Yorkshire Wildlife Trust, Yorkshire Dales Millennium Trust
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>4B</b>	Implement management scheme/notice if appropriate management is not being carried out	£250,000	2015-20	Regulation: Compulsory Management Scheme/Notice	Not yet determined	Natural England	n/a

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>4C</b>	Offer of funding to ensure hay meadow management practices remain viable.	£500,000	2015-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	Conservation and Enhancement Scheme (CES), New Environmental Land Management Scheme (NELMS)	Natural England	Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Wildlife Trust(s), Yorkshire Dales National Park Authority
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>4D</b>	Provide advice on and incentives for application of lime in ways which will enhance the condition of the meadows and where this is not economically viable	Not yet determined	2015-20	Advice	Not yet determined	Natural England	Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority, Yorkshire Dales Millennium Trust

## 5 Inappropriate cutting/mowing

The switch from production of hay to silage or haylage has reduced the variability in cutting date. There is also a lack of appropriate equipment, skills and understanding to produce hay.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>5A</b>	Enforce HLS agreement management, and do not offer derogation except under exceptional circumstances.	Staff time	2015-20	Regulation: SSSI Regulation	Staff time	Natural England	Rural Payments Agency (RPA)



<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>5B</b>	Ensure the additional costs of making hay is supported by RDPE or other appropriate mechanisms.	£1,000,000	2015-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	Rural Development Programme (RDPE)	Natural England	Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority, Yorkshire Dales Millennium Trust
<b>5C</b>	Investigate the opportunities for funding machinery rings and other mechanisms to directly assist hay production.	£20,000	2015-20	Mechanism not identified / develop mechanism	Staff time	Local partnership	Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority
<b>5D</b>	Advise land managers on cutting dates, importance of making small bales and the wider biodiversity benefits of making hay	No cost	2015-20	Advice: Education & awareness raising	No funding required	Natural England	Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority, Yorkshire Dales Millennium Trust

## 6 Changes in species distributions

Declines in the quality of habitats, through changing species composition and/or diversity, are being observed throughout the SAC. Altered drainage may be influencing the cut area. This is likely to have been happening ever since notification. Baseline data (from notification) and recent monitoring is not detecting further loss of quality.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>6A</b>	Low quality threshold in common standard monitoring: amend favourable condition tables and Integrated Site Assessment Tool forms to site-tailor targets based on detailed survey	£40,000	2015-20	Investigation / Research / Monitoring	Not yet determined	Consultant	n/a
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>6B</b>	Investigate the decline or loss of characteristic upland hay meadow species, particularly at the margins of the range of the habitat.	£15,000	2015-20	Investigation / Research / Monitoring		Natural England	n/a
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>6C</b>	Improve monitoring based on-site tailored targets to assess changes in species distribution and detect any declines.	Staff time	2015-20	Investigation / Research / Monitoring	Staff time	Natural England	n/a

## 7 Inappropriate CSS/ESA prescription

Shut up dates are too late for the conservation management of the features in some cases. Some shut up dates (the date at which stock are excluded from the meadow) have been determined due to conflicts with SSSI management on alternative grazing land. There is also inflexibility in shutting up dates and timing of grazing, which means that these cannot be adapted to react to local conditions or the effects of climate change.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>7A</b>	Review and renegotiate existing agreements. Ensure new agreements are in line with guidance (Uplands Evidence Review).	see costs under issue 1 Fertiliser use	2015-20	Rural Development Programme for England (RDPE): Environmental Stewardship Higher Level Scheme (HLS)	Rural Development Programme (RDPE), Higher Level Stewardship (HLS)	Natural England	n/a

## 8 Drainage

Lack of maintenance, failure and deterioration of drainage systems is causing a dominance of rushes, change in the plant community, waterlogging and consequent problems for management.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>8A</b>	Reinstatement of drainage where appropriate.	£250,000	2015-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	Rural Development Programme (RDPE), New Environmental Land Management Scheme (NELMS)	Natural England	Cumbria County Council, Environment Agency, Lead Local Flood Authority(ies)

## 9 Overgrazing

Changes in spring grazing are being observed such as late field closure and higher stock levels on the inbye land. These changes may be related to controls of grazing on moorland and a tendency for increases in lambing percentage.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>9A</b>	Review early spring stocking concentrations.	see costs for issue 4	2015-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	New Environmental Land Management Scheme (NELMS)	Natural England	n/a
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>9B</b>	Review grazing prescriptions and indicators of success about sward height and condition in existing agreements - provide clearer guidance about grazing rates and target sward condition.	see costs for issue 1	2015-20	Rural Development Programme for England (RDPE): Environmental Stewardship Higher Level Scheme (HLS)	Rural Development Programme (RDPE)	Natural England	n/a

## 10 Undergrazing

Lack of aftermath grazing, loss of cattle on farm holdings reducing disturbance, and leading to a change in the sward. In some cases this is because the land is not managed as a farm business. There is also a localised issue of erratic sheep grazing management by a licensee.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>10A</b>	Incentivise the use of cattle as an aftermath grazing tool or implement, where necessary through the use of management scheme/notice.	see costs for issue 4	2015-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	New Environmental Land Management Scheme (NELMS)	Natural England	n/a

## 11 Hydrological changes

Meadows are becoming wetter due to milder winters and wet summers, this may also be leading to an earlier start to the growing season having a negative impact on boreal species changes such as wood cranesbill. Soil compaction due to heavy machinery and stock is also causing hydrological changes.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>11A</b>	Compaction may be altering drainage patterns - review with land manager condition of drains and effects on productivity. Advise on use of machinery and management actions to alleviate compaction.	Not yet determined	2015-20	Advice: Education & awareness raising	New Environmental Land Management Scheme (NELMS)	Natural England	Forest Of Bowland AONB, North Pennines AONB, Northumberland National Park Authority, Yorkshire Dales National Park Authority, Yorkshire Dales Millennium Trust
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>11B</b>	Climate change is potentially leading to more variable weather patterns - use improved favourable condition tables and site tailored targets as a surveillance tool to detect change.	£10,000	2015-20	Investigation / Research / Monitoring	Not yet determined	Natural England	n/a

## 12 Inappropriate weed control

There is the risk of use of herbicides to control 'undesirable' broad-leaved herbs such as buttercup and pernicious weeds, particularly around the edges of meadows. This can lead to a decline in quality.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>12A</b>	Improve Natural England in-house expertise in herbicide use, eg increase number of BASIS qualified staff, to facilitate provision of better advice to landowners.	£12,000	2015-20	Advice: Other	Not yet determined	Natural England	n/a

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>12B</b>	Educate farmers about broad-leaved herbicide impacts.	£5,000	2015-20	Advice	Not yet determined	Natural England	n/a
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>12C</b>	Enforcement of consent or HLS.	Staff time	2015-20	Enforcement	Staff time	Natural England	n/a

### 13 Invasive species

Cow parsley is becoming an invasive species. The cause may be linked to changes in hay meadow management, including a reduction in spring/aftermath grazing intensity and possibly atmospheric nitrogen deposition. There is also a problem with blackthorn invasion in one locality.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>13A</b>	Investigate causes of invasives including cow parsley where it is a problem.	see costs for issue 4	2015-20	Rural Development Programme for England (RDPE): Common Agricultural Policy 2014-20 (New Environmental Land Management Scheme)	New Environmental Land Management Scheme (NELMS)	Natural England	n/a

## 14 Direct impact from third party

Localised nutrient enrichment impact from a leaking septic tank is causing damage to the feature. Former dumping in another location has also led to loss of interest.

<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>14A</b>	SSSI enforcement to address septic tank leachate.	£7,500	2015-20	Enforcement	Third party	Natural England	Environment Agency, Local Authority(ies), n/a, Local constabulary(ies), Environmental health
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>14B</b>	Investigate the appropriate course of enforcement action to have the spoil removed (Raisbeck, Cumbria).	No cost	2015-20	Regulation: SSSI Regulation	Third party	Natural England	Environment Agency, Local Authority(ies), n/a, Local constabulary(ies), Environmental health
<i>Action</i>	<i>Action description</i>	<i>Cost estimate</i>	<i>Timescale</i>	<i>Mechanism</i>	<i>Funding option</i>	<i>Delivery lead body</i>	<i>Delivery partner(s)</i>
<b>14C</b>	Enforce the removal of spoil.	£7,500	2015-20	Enforcement	Third party	Natural England	Environment Agency, Local Authority(ies), n/a, Local constabulary(ies), Environmental health

## Site details

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

### Qualifying features

#UK Special responsibility

<b>North Pennine Dales Meadows SAC</b>	H6410 Molinia meadows on calcareous, peaty or clayey-silt-laden soils ( <i>Molinion caeruleae</i> )
	H6520 Mountain hay meadows

### Site location and links

#### North Pennine Dales Meadows SAC

Area (ha) **497.09**      Grid reference **NY931256**      [Map link](#)

Local Authorities      Cumbria; Durham; Lancashire; North Yorkshire; Northumberland

Site Conservation Objectives      [European Site Conservation Objectives for North Pennine Dales Meadows 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.

### North Pennine Dales Meadows SAC

River basin

[Humber RBMP](#)

[North West RBMP](#)

[Northumbria RBMP](#)

[Solway Tweed RBMP](#)

WFD Management catchment

Derwent (NW), Eden and Esk, Lune, Swale, Ure, Nidd & Upper Ouse, Tyne, Wear, Wharfe and Lower Ouse

WFD Waterbody ID (Cycle 2 draft)

GB102076070600, GB102076070670, GB102076073982, GB102076074070, GB102076074100, GB103023075300, GB103023075450, GB103024072770, GB104027069030, GB104027069121, GB104027069290, GB112072071790, GB112072071810, GB112075070400

## Overlapping or adjacent protected sites

### Site(s) of Special Scientific Interest (SSSI)

#### North Pennine Dales Meadows SAC

Grassington Hospital Grounds SSSI  
Walden Meadows SSSI  
Yockenthwaite Meadows SSSI  
Bretherdale Meadows SSSI  
Bowber Head & Piper Hole Meadows SSSI  
Oughtershaw & Beckermonds SSSI  
New Close, Calvert Houses SSSI  
Cliff Beck Meadow, Buttertubs SSSI  
Harkers House Meadows SSSI  
Millholme Meadow, Thwaite SSSI  
Myttons Meadows SSSI  
Wet Sleddale Meadows SSSI  
Swindale Meadows SSSI  
Raisbeck Meadows SSSI  
Barrow Burn Meadows SSSI  
Town End Meadows, Little Asby SSSI  
Greenhaugh Meadow SSSI  
Gowk Bank SSSI  
Ashes Pasture & Meadows SSSI  
Sandybeck Meadow SSSI  
Deepdale Meadows, Langstrothdale SSSI  
Arkle Beck Meadows, Whaw SSSI  
Scar Closes, Kisdon Side SSSI  
Fothering Holme SSSI  
Borrow Beck Meadows SSSI

Thorneyburn Meadow SSSI  
Askrigg Bottoms SSSI  
Pry & Bottom Meadows, Mid Mosssdale SSSI  
Stephen Ings, Crackpot SSSI  
Langcliff Cross Meadow SSSI  
Durtrees Burn Grassland SSSI  
Knarsdale Meadows SSSI  
Cautley Thwaite Meadows & Ecker Secker Beck SSSI  
New House Meadows, Malham SSSI  
Low Redford Meadows SSSI  
Middle Side & Stonygill Meadows SSSI  
Bowlees & Friar House Meadows SSSI  
Deepdale Meadows SSSI  
Gingerfields SSSI  
Far High House Meadows SSSI  
Aules Hill Meadows SSSI  
Upper Wharfedale SSSI  
River Derwent & Tributaries SSSI  
River Eden & Tributaries SSSI  
Richmond Meadows SSSI  
Lune Forest SSSI  
Middle Crossthwaite SSSI  
Mallerstang-Swaledale Head SSSI  
Bell Sykes Meadows SSSI  
Muker Meadows SSSI  
Heatheryburn Bank SSSI



<i>Version</i>	<i>Date</i>	<i>Comment</i>
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