

# LONGHORSLEY NEIGHBOURHOOD PLAN: SUBMISSION PLAN FINAL

# HABITATS REGULATIONS ASSESSMENT REPORT NOVEMBER 2017



# **Contents**

1.	Introduction	3
2.	Habitats Regulations Assessment Requirements and Process	5
3.	Stage 1A: Identification of European sites	9
4.	Stage 1B: Analysis of Trends	26
5. Effe	Stage 1C: Analysis of the Longhorsley Neighbourhood Plan and identification of Likely Si ects	gnificant 37
6.	Conclusion	41
7.	Bibliography	42
Apper	ndix A: Natural England formal response to HRA Screening Opinion	45

# 1. Introduction

# **Purpose of the Habitats Regulations Assessment Report**

- 1.1 Longhorsley Parish Council are leading the preparation of a neighbourhood development plan (the Plan) to provide locally specific planning policies intended to address issues identified as being important to the local community, particularly where those issues are perceived as not being adequately addressed through existing planning policies.
- 1.2 As the 'competent authority' under the Conservation of Habitats and Species Regulations 2010, Northumberland County Council is required to assess its policies and plans through the Habitats Regulations Assessment (HRA) process. The purpose of a HRA is to assess possible effects of the plan or policy on the nature conservation interests of sites designated under the Habitats and Wild Birds Directives. These sites consist of Special Areas of Conservation, Special Protection Areas (including Marine Special Protection Areas) and also include Ramsar Sites. The integration of the HRA process as part of the preparation of the Neighbourhood Plan is fundamental to the plan making process as policies in the plan can potentially affect designated sites.

# Format of the Habitats Regulations Assessment Report

- 1.3 This HRA Report concerns the Longhorsley Neighbourhood Plan Submission Plan (November 2017). The HRA Report includes the following:
  - Scope of the HRA and work undertaken to date. HRA requirements and process;
  - Stage 1A: Identifies the European sites;
  - Stage 1B: Identifies the Trend Analysis;
  - Stage 1C: Analysis of proposals and polices in the Longhorsley Neighbourhood Plan - Identification of Likely Significant Effects;
  - Conclusion;
  - Bibliography;
  - Formal response from Natural England following consultation on HRA Screening Opinion.

# **Habitats Regulation Assessment Consultation**

1.4 It is a requirement of the Habitats Regulations to consult the appropriate nature conservation statutory body (Natural England). Consultation has taken place and Natural England confirm their agreement with the County Council, in their letter dated 24<sup>th</sup> November 2017, that the Longhorsley Neighbourhood Plan can be screened out of further stages of assessment.

1.5 This HRA report will be issued to Longhorsley Town Council to assist in supporting the submission of their Plan to the County Council and to assist the independent examination of the Plan in due course.

# 2. Habitats Regulations Assessment Requirements and Process

- 2.1 As a member of the European Union, the UK is bound by the terms of the Council Directive 79/409/EEC on the Conservation of Wild Birds (the Birds Directive) and the Council Directive 92/43/EEC on the conservation of natural habitats and wild flora and fauna (the Habitats Directive). These are implemented in the UK through the Conservation (Natural Habitats &c) Regulations which provide for the protection of areas of European importance for wildlife, in the form of Special Areas of Conservation (SACs), designated under the Habitats Directive, and Special Protection Areas (SPAs), designated under the Birds Directive. Collectively, these are termed European sites, and the overall network of European sites is termed Natura 2000.
- 2.2 The UK is also a signatory to the Convention on wetlands of international importance especially as waterfowl habitat, which was signed in Ramsar, Iran in 1971. Areas designated under this Convention are called Ramsar sites. Although Ramsar sites are not European sites as a matter of law, the Government has chosen as a matter of policy to protect and manage them by applying the same procedures to them. Consequently, Ramsar sites are treated as European sites in practice.
- 2.3 Articles 6(3) and 6(4) of the Habitats Directive states the following concerning European sites:

"Any plan or project not directly connected with or necessary to the management of the site but likely to have a significant effect thereon, either individually or in combination with other plans or projects, shall be subject to appropriate assessment of its implications for the site in view of the site's conservation objectives. In the light of the conclusions of the assessment of the implications for the site and subject to the provisions of paragraph 4, the competent national authorities shall agree to the plan or project only after having ascertained that it will not adversely affect the integrity of the site concerned and, if appropriate, after having obtained the opinion of the general public.

If, in spite of a negative assessment of the implications for the site and in the absence of alternative solutions, a plan or project must nevertheless be carried out for imperative reasons of overriding public interest, including those of a social or economic nature, the Member State shall take all compensatory measures necessary to ensure the overall coherence of Natura 2000 is protected. It shall inform the Commission of the compensatory measures adopted."

2.4 For some time, it was the view of the UK Government that land-use plans did not require appropriate assessment. However in October 2005, the European Court of Justice (ECJ) ruled that land-use plans should be subject to appropriate assessment

under the Habitats Directive. The implications of the ECJ ruling were communicated to Local and Minerals Planning Authorities in a letter from the Government in March 2006, and in 2007 the Habitats Regulations were amended accordingly. On 1 April 2010 The Conservation of Habitats and Species Regulations 2010 replaced The Conservation (Natural Habitats, &c.) Regulations 1994 (as amended) in England and Wales Regulation 102(1) of the 2010 Regulations states that:

"Where a land use plan -

- (a) is likely to have a significant effect on a European site in Great Britain or a European offshore marine site (either alone or in combination with other plans or projects), and
- (b) is not directly connected with or necessary to the management of the site, the plan-making authority for that plan shall, before the plan is given effect, make an appropriate assessment of the implications for the site in view of that site's conservation objectives."
- 2.5 The purpose of a HRA is to demonstrate that a land-use plan (or other plan or project) will not have any adverse effects on the integrity of any European sites. The assessment determines whether the plan would adversely affect the integrity of any European site in terms of its conservation objectives. Where adverse effects are identified alternative solutions should be identified and the plan modified to avoid any adverse effects. The Planning Authority can adopt the plan only after having ascertained that it will not adversely affect the integrity of a European site.
- 2.6 When preparing a suite of development plan documents, it is important that the HRA is undertaken in a way that is proportionate to the level of the document. This was noted in the Advocate General's opinion which informed the European Court of Justice in the 2005 judgement that confirmed that land use plans should be subject to HRA. This stated that:

"The United Kingdom Government is admittedly right in raising the objection that an assessment of the implications of the preceding plans cannot take account of all the effects of a measure. Many details are regularly not settled until the time of the final permission. It would also hardly be proper to require a greater level of detail in preceding plans or the abolition of multi-stage planning and approval procedures so that the assessment of implications can be concentrated on one point in the procedure. Rather, adverse effects on areas of conservation must be assessed at every relevant stage of the procedure to the extent possible on the basis of the precision of the plan. This assessment is to be updated with increasing specificity in subsequent stages of the procedure."

6

<sup>&</sup>lt;sup>1</sup> Opinion of Advocate General Kokott, 9th June 2005, Case C-6/04. Commission of the European Communities v United Kingdom of Great Britain and Northern Ireland, paragraph 49. http://curia.europa.eu/juris/document/document.jsf?docid=58359&doclang=EN

- 2.7 The European Commission's own guidance on the application of the test of likely significant effect accepts that policies in a plan that are no more than general policy statements or which express the general political will of an authority cannot be likely to have a significant effect on a site.<sup>2</sup>
- 2.8 This issue has also been addressed in the High Court case of Feeney, in which the judge stated that:

"A core strategy is a high level strategic document and the detail falls to be worked out at a later stage. Each appropriate assessment must be commensurate to the relative precision of the plans at any particular stage and no more. There does have to be an appropriate assessment at the Core Strategy stage, but such an assessment cannot do more than the level of detail of the strategy at that stage permits" <sup>3</sup>

- 2.9 Therefore, there is a balance to be struck between being sufficiently rigorous in the assessment of potential effects, and undertaking a lot of unnecessary work or even causing a plan to fail the appropriate assessment test of 'adverse effect on site integrity' on the basis of risks that are more hypothetical than real, or risks that are too poorly defined at this stage of Development Plan preparation.
- 2.10 The Feeney case has also provided helpful guidance concerning the role of protective policies for European sites or protective wording within policies. It is clear that a general protective policy in itself cannot be regarded as adequate mitigation for any significant effects, because planning applications must be determined in accordance with the Development Plan. Therefore relying too heavily on a general protective policy can just create internal conflicts with other policies within the Plan.
- 2.11 However, an element of a policy that safeguards European sites or a policy qualifying a particular proposal so as to avoid likely significant effect has been found to be permissible<sup>4</sup>, as has adopting something in principle that will not actually happen if the protective condition or qualification is not being satisfied<sup>5</sup>. However, it is essential that such safeguards are sufficiently specific that they are not just general safeguards apply to a range of European sites and a range of effects.

http://ec.europa.eu/environment/nature/natura2000/management/docs/art6/provision of art6 en.pdf

.

<sup>&</sup>lt;sup>2</sup> European Commission, 2000, *Managing Natura 2000 Sites: The provisions of Article 6 of the Habitats Directive 92/43/EEC* section 4.3.2 at

<sup>&</sup>lt;sup>3</sup> Sean Feeney v Oxford City Council and the Secretary of State CLG para 92 of the judgment dated 24 October 2011 Case No CO/3797/2011, Neutral Citation [2011] EWHC 2699 Admin <a href="http://www.oxford.gov.uk/Library/Documents/Barton%20AAP/Barton%20AAP/8arton%20AAP%20CD%207.20.1%20Appendix%20Feeney%20v%20OCC%20ZDtaty/Ddf">http://www.oxford.gov.uk/Library/Documents/Barton%20AAP/Barton%20AAP%20CD%207.20.1%20Appendix%20Feeney%20v%20OCC%20ZDtaty/Ddf</a>

<sup>&</sup>lt;sup>4</sup> Feeney; paragraphs 88, 90 and 92

<sup>&</sup>lt;sup>5</sup> Feeney; paragraph 96

# Assessment Methodology to meet the requirements of the Habitats Directive

2.12 The Council has adopted the following assessment methodology to meet the requirements of the Habitats Directive:

# Stage One - Screening

This comprises an initial analysis to determine whether the Longhorsley Neighbourhood Plan is likely to have a significant effect on any European sites. The Neighbourhood Plan will require appropriate assessment unless it is certain that it will not have a significant effect on any European sites.

- **Stage 1A:** Identification of European sites relevant to the assessment, and analysis of them in terms of reasons for designation, factors affecting their integrity and trends affecting them;
- Stage 1B: Identification of underlying trends that could affect the integrity of sites;
- Stage 1C: Analysis of the Neighbourhood Plan objectives, proposals and proposed policies in terms of their possible adverse effects on the integrity of European sites, examination of options and alternatives to avoid or reduce these effects;
- Stage 1D: Identification of other plans and projects relevant to the assessment, to identify any likely in-combination effects. Article 6(3) of the Habitats Directive requires that plans and projects likely to have a significant effect on a European site alone or in combination with other plans or projects shall be subject to appropriate assessment.

# 3. Stage 1A: Identification of European sites

3.1 The following European sites are wholly or partly within Northumberland (including the National Park<sup>6</sup>) or are considered to have the potential to be affected by the Neighbourhood Plan, and so are within the scope of the Habitats Regulations Assessment:

# Special Areas of Conservation wholly or partly within Northumberland:

- Berwickshire and North Northumberland Coast;
- Border Mires, Kielder Butterburn;
- Ford Moss:
- Harbottle Moors;
- Newham Fen:
- North Northumberland Dunes;
- North Pennine Dales Meadows;
- North Pennine Moors;
- River Eden;
- River Tweed;
- Roman Wall Loughs;
- Simonside Hills;
- Tweed Estuary;
- Tyne and Allen River Gravels

# Special Areas of Conservation outside of Northumberland:

- Bolton Fell Moss (candidate SAC), Cumbria;
- Borders Woods, Scottish Borders:
- Durham Coast, Durham;
- Moor House Upper Teesdale, Durham;
- St Abb's Head to Fast Castle, Scottish Borders;
- Tyne and Nent, Cumbria;
- Thrislington, Durham;
- Castle Eden Dene, Durham

# Special Protection Areas wholly or partly within Northumberland:

- Coquet Island;
- Farne Islands;
- Holburn Lake and Moss:
- Lindisfarne:
- North Pennine Moors;

<sup>&</sup>lt;sup>6</sup> Details of the European sites within the Northumberland National Park can be found at: <u>http://www.northumberlandnationalpark.org.uk/\_data/assets/pdf\_file/0018/144450/ldf\_08\_core\_strategy\_appropriate\_assessment.pdf</u>

- Northumbria Coast;
- Northumberland Marine SPA

# **Special Protection Areas outside of Northumberland**

- Langholm Newcastleton Hills;
- St Abb's Head to Fast Castle, Scottish Borders;
- Teesmouth and Cleveland Coast

# Ramsar Sites wholly or partly within Northumberland

- Holburn Lake and Moss;
- Irthinghead Mires;
- Lindisfarne;
- Northumbria Coast

# **Ramsar Sites outside of Northumberland**

• Teesmouth and Cleveland Coast.

# Stage 1A: Site Analysis

ω 2 4.6.3). An asterisk \* beside a qualifying feature indicates that the feature is listed as a priority habitat on Annex I of the Habitats Directive. self-renewal under dynamic conditions is maintained, and a minimum of external management support is required' (EC, 2000; para degree of integrity where the inherent potential for meeting site conservation objectives is realised, the capacity for self-repair and objectives intended to be achieved by designating and managing the sites, and the environmental conditions that are key to This stage of the assessment details the reasons that relevant European sites have been designated (the qualifying features), the maintaining the integrity of the site. Guidance from the European Commission states that 'a site can be described as having a high

Site	Qualifying	Conservation Objectives	Key Environmental Conditions to Support Site Integrity
	2		
Berwickshire	Large shallow	Subject to natural change, to	Reefs – no significant change in water clarity (e.g. due to increases in
and North	inlets and bays	maintain in (or restore to)	suspended material), temperature or salinity, or in the distribution of
Northumberlan	Intertidal mudflats	favourable condition the -	rocky shore communities.
d Coast SAC	and sandflats	Extent, distribution, diversity and	Sea caves – no significant change in water clarity (e.g. due to
	Reefs	species richness of reef	increases in suspended material), temperature or salinity, or in the
	Submerged or	communities.	distribution of sea cave biotypes.
	partially	Diversity of sea cave	Intertidal mud or sandflats – no reduction in extent, no significant
	submerged sea	communities and their	change in sediment character (particle size composition, organic
	caves	characteristic zonation.	content) ensuring no increase in the extent of algal mats or significant
	Grey seal	The extent of eelgrass and	changes in the distribution and abundance of eelgrass beds, mussel
		mussel communities and the	beds or distribution of infaunal biotopes.
		diversity of infaunal communities	Grey seal habitats – human disturbance low enough to avoid reduction
		in the intertidal mud and sandflats	in numbers or displacement from key areas; no reduction in extent of
		Grey seal habitats, especially the	rocky and coarse sediment shores used for breeding and hauling out.
		extent and suitability of breeding	
		habitat on the Farne Islands	

Site	Qualifying	Conservation Objectives	Key Environmental Conditions to Support Site Integrity
	Features		
<b>Border Mires</b>	Blanket bogs *	To maintain the qualifying	Blanket bog – high water table, low grazing levels, absence of burning,
Kielder –	Petrifying springs	features in favourable condition	absence or low levels of human activity that cause erosion (e.g. military
Butterburn	with tufa	(or restore them to favourable	activities, recreational pressure), no peat extraction, absence of
SAC	formation*	condition)	plantation conifers from hydrological unit or self-seeded conifers from
	European dry		peat body, low atmospheric or aquatic nutrient inputs.
	heaths		Petrifying springs – active tufa deposition from very base-rich water,
	Northern Atlantic		low fertility, no damage to tufa from human or livestock trampling.
	wet heaths with		Dry heath – grazing pressure not limiting dwarf shrub cover, mosaic of
	Erica tetralix		small burns and unburnt areas if burnt, low atmospheric or aquatic
	Transition mires		nutrient inputs.
	and quaking bogs		Wet heath – grazing pressure not limiting dwarf shrub cover, mosaic of
			small burns and unburnt areas if burnt, low atmospheric or aquatic
			nutrient inputs.
			Transition mires – high water table, balance between seepage and
			surface water maintained, enriched water from land drainage or
			surface run-off excluded, low atmospheric nutrient inputs.
Ford Moss	Active raised bog	To maintain in (or restore to)	High water table, infrequent scrub or bracken, low atmospheric or
SAC	*	favourable condition the active	aquatic nutrient inputs.
		raised bog	

Site	Qualitying Features	Conservation Objectives	Key Environmental Conditions to Support Site Integrity
Harbottle Moors	European dry	To maintain in (or restore to)	Grazing pressure not limiting dwarf shrub cover, mosaic of small burns
SAC	heaths	favourable condition the dry	and unburnt areas if burnt, low atmospheric or aquatic nutrient inputs.
		heathland.	
Newham Fen SAC	Alkaline fens	To maintain in (or restore to)	Flow of spring water sufficient to maintain high water levels at all times
		favourable condition the	of year, spring water of low nutrient status.
		alkaline fen, with particular	
		reference to the M13 mire.	
North	Fixed dunes with	Subject to natural change, to	Fixed dunes – appropriate grazing levels to maintain species and
Northumberland	herbaceous	maintain in (or restore to)	structural diversity, no increase in area occupied by invasive species
Dunes SAC	vegetation *	favourable condition the	e.g.
	Dunes with	listed habitats.	Dunes with creeping willow – maintain active successional processes.
	creeping willow	To maintain in (or restore to)	Embryonic shifting dunes – sufficient area between high water mark
	Embryonic shifting	favourable condition, the	and stable dunes to allow development of embryonic dunes, presence
	dunes	habitats for the population of	of beach plain at low tide to supply blown sand
	Humid dune slacks	Petalwort.	Humid dune slacks – maintenance of hydrological regime
	Shifting dunes with		Shifting dunes with marram -sufficient area between high water mark
	marram		and stable dunes to allow development of embryonic dunes, presence
	Petalwort		of beach plain at low tide to supply blown sand, no increase in linear
			extent or area constrained by introduced structures or landforms, no
			increase in area where vegetation establishment is prevented by
			human activity.
			Petalwort – maintenance of very short vegetation in dune slacks
<b>North Pennine</b>	Mountain hay	To maintain in (or restore to)	Low nutrient inputs from farmyard manure only; sufficient removal of
Dales Meadows	meadows	favourable condition the	biomass, low level of poaching.

•	
	Longhorsley
	ກghorsley Neighbourhood Plan Habitats Regulations Screening A
	⊃lan Habitats
	Regulations S
	Screening A
	ssessmen

SAC	Molinia meadows	mountain hay meadows.	
North Pennine	Alkaline fens	To maintain in (or restore to)	Blanket bog – high water table, low grazing levels, absence of burning,
Moors SAC	Blanket bogs *	favourable condition the	absence or low levels of human activity that cause erosion (e.g. military
	Calaminarian	qualifying features.	activities, recreational pressure), low atmospheric or aquatic nutrient
	grasslands		inputs.
	Calcareous rocky		Petrifying springs – active tufa deposition from very base-rich water,
	slopes with		low fertility, no damage to tufa from human or livestock trampling.
	chasmophytes		Dry heath – grazing pressure not limiting dwarf shrub cover, mosaic of
	European dry		small burns and unburnt areas if burnt, low atmospheric or aquatic
	heaths		nutrient inputs.
	Juniper		Wet heath – grazing pressure not limiting dwarf shrub cover, mosaic of
	Northern Atlantic		small burns and unburnt areas if burnt, low atmospheric or aquatic
	wet heaths		nutrient inputs.
	Old sessile oak		Alkaline fens – maintenance of high piezometric head and low fertility,
	woods		low levels of disturbance by livestock trampling or vehicles.
	Petrifying springs		Chasmophytic vegetation and scree – low levels of trampling by
	with tufa formation*		humans or livestock.
	Dry grassland and		Calaminarian grassland – very low nutrient inputs, appropriate grazing
	scrub on		levels, continuation of extreme conditions of toxicity and drought stress.
	calcareous		Old oak woods – browsing/grazing by native/non-native/agricultural
	substrates		ungulates low enough to permit regeneration and avoid undesirable
	Montane acid		shifts in stand composition or structure, low levels of pollution including
	grasslands		eutrophication from adjacent farmland.
	Siliceous rocky		
	slopes with		
	chasmophytic		
	vegetation		
	Siliceous scree		
	Marsh saxifrage		

River Eden SAC	<b>River Eden SAC</b>   Floating formations   To maintain in	To maintain in (or restore to)	Water crowfoot – near-natural baseflows and flushing flows, high water
	of water crowfoot	favourable condition the:	quality, low suspended solids, clean gravels, low phosphorus,
	Oligotrophic to	Floating formations of water	characteristic river form maintained
	mesotrophic	crowfoot	Atlantic salmon - near-natural baseflows and flushing flows, high water
	standing waters	Oligotrophic to mesotrophic	quality, low suspended solids, clean gravels, bankside trees with
	Residual alluvial	standing waters	submerged roots maintained, characteristic river form maintained, no
	forests	Residual alluvial forest	obstructions to migration, no stocking of salmonids.
	Atlantic salmon		Bullhead - near-natural baseflows and flushing flows, high water
	Bullhead	To maintain in (or restore to)	quality, low suspended solids, clean gravels
	Brook lamprey	favourable condition, the	Lampreys - near-natural baseflows and flushing flows, high water
	River lamprey	habitats for the populations	quality, low suspended solids, clean gravels, extensive riparian
	Sea lamprey	of:	vegetation, characteristic river form, no artificial barriers to migration.
	White-clawed	Atlantic salmon	White-clawed crayfish - near-natural baseflows and flushing flows, high
	crayfish	Bullhead	water quality, low suspended solids, clean gravels, little fish stocking,
	Otter	Brook lamprey	none from plague rivers
		River lamprey	Otter - near-natural baseflows and flushing flows, high water quality,
		Sea lamprey	low suspended solids, undisturbed areas with dense riparian
		White-clawed crayfish	vegetation and vegetated islands, good fish populations.
		Otter	Alluvial woodland – grazing pressure low enough to maintain
			characteristic ground flora and permit regeneration

Site River Tweed SAC	<b>Qualifying Features</b> Floating formations of water crowfoot	Conservation Objectives  To maintain in (or restore to) favourable condition the river as a habitat for the	Key Environmental Conditions to Support Site Integrity  Water crowfoot – near-natural baseflows and flushing flows, high water quality, low suspended solids, clean
	of water crowfoot Atlantic salmon Brook lamprey River lamprey Sea lamprey Otter	condition the river as a habitat for the qualifying interest features	tlows, high water quality, low suspended solids, clean gravels, low phosphorus, characteristic river form maintained  Atlantic salmon - near-natural baseflows and flushing flows, high water quality, low suspended solids, clean gravels, bankside trees with submerged roots maintained, characteristic river form maintained, no obstructions to migration, no stocking of salmonids.  Lampreys - near-natural baseflows and flushing flows, high water quality, low suspended solids, clean gravels, extensive riparian vegetation, characteristic river form, no artificial barriers to migration  Otter - near-natural baseflows and flushing flows, high water quality, low suspended solids, undisturbed areas with dense riparian vegetation and vegetated islands, good fish populations.
Roman Wall Loughs SAC	Naturally eutrophic lakes with pondweed vegetation	To maintain in (or restore to) favourable conservation status the qualifying features	Water quality maintained within appropriate parameters, sedimentation rates not increased by primary productivity being elevated by anthropogenic eutrophication.
Simonside Hills SAC	Blanket bogs * European dry heaths	To maintain in (or restore to) favourable condition the qualifying features	Blanket bog – high water table, low grazing levels, absence of burning, absence or low levels of human activity that cause erosion (e.g. military activities, recreational pressure), low atmospheric or aquatic nutrient inputs.  Dry heaths - grazing pressure not limiting dwarf shrub

Longhorsley Neighbourhood Plan Habitats Regulations Screening Assessi	
od PI	
an H	
abitats	
Regulations	
Screenin	
ng Assessment	

recreational pressure), low atmospheric or aquatic		Alpine and boreal	
activity that cause erosion (e.g. military activities,		spp.	SAC
absence of burning, absence or low levels of human	condition the qualifying features	waters with Chara	Upper Teesdale
Blanket bog – high water table, low grazing levels,	To maintain in (or restore to) favourable	Oligo-mesotrophic	Moor House -
flushing by calcareous water.			
limestone bedrock and overlying glacial drifts, localised			
to salt spray, erosion and slippage of soft magnesium			
Maintenance of natural processes, especially exposure			
or landforms.	condition the qualifying features	cliffs	SAC
No increase in area constrained by introduced structures	To maintain in (or restore to) favourable	Vegetated sea	<b>Durham Coast</b>
		ravines*	
		screes and	
introduced sycamore	condition the qualifying features	forests of slopes,	SAC
No reduction in area, reduction in abundance of	To maintain in (or restore to) favourable	Tilio-Acerion	<b>Borders Woods</b>
	bogs.	of regeneration	
	favourable condition the degraded raised	bogs still capable	
atmospheric or aquatic nutrient inputs.	active raised bog, and to restore to	Degraded raised	cSAC
High water table, infrequent scrub or bracken, low	To maintain in favourable condition the	Active raised bogs*	<b>Bolton Fell Moss</b>
toxicity and drought stress.			SAC
bare ground, continuation of extreme conditions of	condition the Calaminarian grassland	grassland	River Gravels
Appropriate grazing levels to maintain key species and	To maintain in (or restore to) favourable	Calaminarian	Tyne and Allen
adverse impacts on qualifying features.	river and sea lampreys.		
Dredging in Tweed Dock undertaken without causing	condition the habitats for the populations of	Sea lamprey	
adverse impacts on qualifying features.	To maintain in (or restore to) favourable	River lamprey	
No coast protection works undertaken that would cause	estuaries and intertidal mud and sandflats	and sandflats	
(large arable catchment)	restore to) favourable condition the	Intertidal mudflats	SAC
Nutrient inputs maintained within appropriate levels	Subject to natural change, to maintain in (or	Estuaries	Tweed Estuary
low atmospheric or aquatic nutrient inputs.			
cover, mosaic of small burns and unburnt areas if burnt,			

Loughorsiey
INGRIDORITION
u Fiaii Habitats
Regulations
Longitorsies neighbourhood Flath Habitats Regulations Screening Assessment
ב

	herb fringe
	Hydrophilous tall
	Molinia meadows
	grasslands
	and boreal
removal of biomass, low level	Siliceous alpine
nutrient inputs from farmyard	screes
Mountain hay meadows and N	Siliceous montane
anthropogenic eutrophication.	vegetation
increased by primary productive	chasmophytic
within appropriate parameters	slopes with
Oligo-mesotrophic waters - wa	Siliceous rocky
conditions of toxicity and drou	substrates
appropriate grazing levels, con	calcareous
Calaminarian grassland – very	scrub on
trampling by humans or livesto	Dry grassland and
Chasmophytic vegetation and	with tufa formation*
trampling or vehicles.	Petrifying springs
and low fertility, low levels of c	Juniper scrub
Alkaline fens – maintenance c	heaths
low atmospheric or aquatic nu	European dry
cover, mosaic of small burns a	vegetation
Wet heath – grazing pressure	chasmophytic
low atmospheric or aquatic nu	slopes with
cover, mosaic of small burns a	Calcareous rocky
Dry heath – grazing pressure	grasslands
human or livestock trampling.	Calaminarian
base-rich water, low fertility, n	Blanket bogs *
Petrifying springs – active tufa	Alkaline fens
pollution or nutrient inputs.	heaths

e not limiting dwarf shrub no damage to tufa from fa deposition from very

e not limiting dwarf shrub and unburnt areas if burnt, utrient inputs. and unburnt areas if burnt,

nutrient inputs.
of high piezometric head disturbance by livestock

nd scree - low levels of

stock.

ontinuation of extreme ery low nutrient inputs, ught stress.

tivity being elevated by s, sedimentation rates not vater quality maintained

કો of poaching. Molinea meadows - low manure only; sufficient

	Longhorsley I
	y Neighbourhoo
	ນurhood Plan Habitats Regulations Screening Assessmen
	Regulations S
•	creening A
	ssessment

SPA  Annex 1 species of European importance: Arctic tern  Sandwich tern  Annex 1 species of European importance: Arctic tern  Annex 1 species of condition the habitats for the populations of migratory species; arctic tern, common predation tern.  Arctic tern  Sandwich tern  Little or no condition in (or restore to) tavourable condition in (or restore to) tavourabl	ene AC	Tyne and NentCalaminarianTo maintain in (or restore to) favourableAppropriatSACgrasslandscondition the Calaminarian grasslandbare grountoxicity and	St Abb's Head toVegetated seaTo maintain in (or restore to) favourableContinued vFast Castle SACcliffs of the Atlanticcondition the qualifying featuresdamage, maand Baltic coastscomposition	Mountain hay meadows Alpine pioneer formations of the Caricion bicoloris- atrofuscae * Calcareous montane screes Limestone pavements * Round-mouthed whorl snail Marsh saxifrage
Little or no numan disturbance  No significant reduction in breeding productivity due to predation by large gulls, mixture of bare ground/short vegetation and longer vegetation, open terrain		Appropriate grazing levels to maintain key species and bare ground, continuation of extreme conditions of toxicity and drought stress.	Continued visitor management to prevent recreational damage, maintenance of vegetation structure and composition.	

_	
	Longhorsley
	∍y Neighbourhood Plan Habitats Regi
	Plan Habitats
	Regulations S
_	Julations Screening A
	ssessment

	Common tern	•	
	Roseate tern		
Farne Islands	Populations of	To maintain in (or restore to) favourable	Little or no human disturbance
SPA	Annex 1 species of	condition the habitats for the breeding	No significant reduction in breeding productivity due to
	European	populations of sandwich tern, common tern,	predation by large gulls, mixture of bare ground/short
	importance:	arctic tern.	vegetation and longer vegetation, open terrain.
	Arctic tern		
	Sandwich tern		
	Common tern		
Holburn Lake and	Wintering greylag	To maintain in (or restore to) favourable	Human disturbance absent or at very low levels, no
Moss SPA	goose roost	condition the raised mire and dry heathland	significant reduction in view lines in roosting area.
		used by greylag goose	
Lindisfarne SPA	Populations of	To maintain in (or restore to) favourable	All features – no significant increase in human
	Annex 1 species of	condition the intertidal mudflats and	disturbance
	European	sandflats, saltmarsh, eelgrass beds and	Annex 1 species – extent and quality of feeding habitat -
	importance:	sand dunes for the populations of Annex 1	eelgrass beds and saltmarsh (for whooper swan),
	Little tern	species;	mudflats and sandflats (for golden plover), no increase in
	Roseate tern	To maintain in (or restore to) favourable	obstructions to viewlines (whooper swan and golden
	Whooper swan	condition rocky shores with boulder and	plover); maintenance of sparsely vegetated dunes for
	Golden plover	cobble beaches, intertidal mudflats and	nesting (little tern).
	Regularly occurring	sandflats, saltmarsh and eelgrass beds for	Migratory species – extent and quality of rocky shore
	migratory species	the regularly occurring migratory species;	feeding and roosting habitat (purple sandpiper and
	of European	To maintain in (or restore to) favourable	turnstone), no increase in obstructions to existing
	importance:	condition the intertidal sandflats and	viewlines (all geese and waders), extent and quality of
	Purple sandpiper	mudflats, saltmarsh, eelgrass beds and	eelgrass beds (light bellied Brent goose and widgeon),
	Turnstone	rocky shores for the wintering wildfowl.	extent and quality of sandflats and mudflats (roosting for
	Greylag goose		many species, feeding especially for ringed plover, bar
	Light-bellied Brent		tailed godwit and redshank),
	goose		

3
육
₫
<u>s</u>
æ
Z
⊕.
gh
b
⊑
첫
ŏ
ghorsley Neighbourhood Plan Habitats Regulations Screening A
8
5
ĭ
8
itat
st
Ŋ
ge
듰
Ħ.
9
S
Sc
ē
еn
9
Ś
ssessment
SS
₹
пe
+

ai ine	condition the upland moorland for the populations of Annex 1 species.  es:  To maintain in (or restore to) favourable condition the sand dunes for the breeding population of little tern;
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally Internations of condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover Internationally	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover  Internationally important breeding condition the upland moorland for the populations of Annex 1 species.  Hen harrier Merlin Peregrine Golden plover  To maintain in (or restore to) favourable condition the sand dunes for the breeding
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally Annex 1 species: Hen harrier Merlin Peregrine Golden plover  Internationally Internationally Internationally  Internationally In	important breeding condition the upland moorland for the populations of Annex 1 species.  Hen harrier Merlin Peregrine Golden plover  Internationally  To maintain in (or restore to) favourable
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species. Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier Merlin Peregrine Golden plover
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin Peregrine	important breeding condition the upland moorland for the populations of Annex 1 species:  Hen harrier  Merlin  Peregrine
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier Merlin	important breeding condition the upland moorland for the populations of Annex 1 species: Hen harrier  Merlin
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species: Hen harrier	important breeding condition the upland moorland for the populations of Annex 1 species:  Hen harrier
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of Annex 1 species:	important breeding condition the upland moorland for the populations of Annex 1 species.  Annex 1 species:
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding populations of populations of Annex 1 species.	important breeding condition the upland moorland for the populations of populations of Annex 1 species.
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally important breeding condition the upland moorland for the	important breeding condition the upland moorland for the
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance Internationally To maintain in (or restore to) favourable	
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European importance	Internationally To maintain in (or restore to) favourable
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of European	importance
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl assemblage of	European
Ringed plover Bar-tailed godwit Redshank Wintering wildfowl	assemblage of
Ringed plover Bar-tailed godwit Redshank	Wintering wildfowl
Ringed plover Bar-tailed godwit	Redshank
Ringed plover	Bar-tailed godwit
widgeoi	Ringed plover
Widen	Widgeon

- Foriginal sick I weight board over	Internationally condition rock	condition rocky shores with boulder and	Extent and quality of rocky shore feeding and roosting
	important wintering	cobble beaches for wintering purple	habitat (purple sandpiper and turnstone)
	populations of	sandpiper and turnstone.	
	purple sandpiper		
	and turnstone		
Northumberland	Internationally	Ensure that the integrity of the site is	Not available yet
Marine pSPA	important breeding	maintained or restored as appropriate, and	
	populations of	ensure that the site contributes to achieving	
	Annex 1 species:	the aims of the Wild Birds Directive, by	
	Sandwich tern	maintaining or restoring;	
	Roseate tern	The extent and distribution of the habitats	
	Common tern	of the qualifying features	
	Arctic tern	The structure and function of the habitats of	
	Little tern	the qualifying features	
	Common guillemot	The supporting processes on which the	
	Atlantic puffin	habitats of the qualifying features rely	
	An internationally	The population of each of the qualifying	
	important seabird	features, and,	
	assemblage of	The distribution of the qualifying features	
	over 20,000 birds	within the site.	
Langholm –	Internationally	To maintain in (or restore to) favourable	Low levels of human disturbance (heather burning,
Newcastleton	important	condition the upland moorland for the	vehicles, livestock, dogs, people), especially between
Hills SPA	population of	populations of Annex 1 species	April and mid-July, and no illegal persecution or egg
	Annex 1 species:		collection.
	Hen harrier		Abundance of small mammals and small-medium sized
			birds; tall heather especially on slopes for nesting and
			grassland and grass-heath mosaics for feeding
St Abb's Head to	Annex 1 breeding	To maintain in (or restore to) favourable	Continued visitor management to prevent recreational
Fast Castle SPA	species:	condition the site for the populations of	disturbance.

Irthinghead Mires Ramsar Site		Holburn Lake and	
	Winter roost for internationally important numbers of greylag goose Inland roost for mallard, widgeon and teal during unfavourable weather.		Common Guillemot Internationally important assemblage of breeding seabirds: Fulmar Cormorant Shag Herring Gull Kittiwake Guillemot Razorbill Puffin
To maintain in (or restore to) favourable condition the blanket bog.	To maintain in (or restore to) favourable condition the habitats for the roosting wildfowl populations	To maintain in (or restore to) favourable	Annex 1 species and species included in the internationally important assemblage of species.
High water table, low grazing levels, absence of burning, absence or low levels of human activity that cause erosion (e.g. military activities, recreational pressure), no peat extraction, absence of plantation conifers from hydrological unit or self-seeded conifers from peat body,	Human disturbance absent or at very low levels, no significant reduction in view lines in roosting area (roosting wildfowl).	High water table, infrequent scrub or bracken, low	

]_	Longhorsley Neighbourhood Plan Habitats Regulations S	Screening Assessment	
	Sphagnum		low atmospheric or aquatic nutrient inputs.
	• • • • • • • • • • • • • • • • • • • •		

	Sphagnum		low atmospheric or aquatic nutrient inputs.
	imbricatum		
	S. pulchrum		
	S. magellanicum		
	Eboria caliginosa		
Lindisfarne	Extensive intertidal	To maintain in (or restore to) favourable	No significant increase in human disturbance, no
Ramsar Site	flats, saltmarsh	condition intertidal mudflats and sandflats,	increase in obstructions to existing viewlines (all
	and major sand	saltmarsh and eelgrass beds for the	species), extent and quality of eelgrass beds (light
	dune system with	regularly occurring migratory and wintering	bellied Brent goose and widgeon), extent and quality of
	well-developed	species.	sandflats and mudflats (roosting for many species,
	dune slacks.	Subject to natural change, to maintain in (or	feeding especially for ringed plover, bar tailed godwit and
	Wintering	restore to) favourable condition the sand	redshank).
	waterfowl	dune system.	Fixed dunes – appropriate grazing levels to maintain
	assemblage of	To maintain in (or restore to) favourable	species and structural diversity, no increase in area
	international	condition, the habitats for the populations of	occupied by invasive species e.g. pirri-pirri bur.
	importance.	Petalwort and dune helleborine.	Dunes with creeping willow – maintain active
	Internationally		successional processes.
	important		Embryonic shifting dunes – sufficient area between high
	migratory/wintering		water mark and stable dunes to allow development of
	populations of		embryonic dunes, presence of beach plain at low tide to
	Light-bellied Brent		supply blown sand
	goose		Humid dune slacks – maintenance of hydrological
	Widgeon		regime
	Ringed plover		Shifting dunes with marram -sufficient area between high
	Redshank		water mark and stable dunes to allow development of
	Greylag goose		embryonic dunes, presence of beach plain at low tide to
	Bar-tailed godwit		supply blown sand, no increase in linear extent or area
	Rare plants:		constrained by introduced structures or landforms, no
	Petalwort		increase in area where vegetation establishment is

	ģ
	gr
	norsie
	SIS.
	ey N
	Z
	Neig
	np
	no
	urnood Pla
	nood Pla
I	Q F
	n
	lan Habitats Ke
	nt
	ats
	T T
	,eg
	ıı
	atic
	Σĭ
	an Habitats Regulations Screening
I	Cr
	ee
	nın
	g
	AS
	se
	ssessment
	ЭE
	jÜ:

Longhorsley Neighbourho	Longhorsley Neighbourhood Plan Habitats Regulations Screening Assessment	reening Assessment	
	Lindisfarne		prevented by human activity.
	helleborine		Petalwort – maintenance of very short vegetation in dune
	(endemic on		slacks
	Lindisfarne)		
Northumbria	Internationally	To maintain in (or restore to) favourable	All features – no significant increase in human
Coast	important breeding	condition the sand dunes for the breeding	disturbance
Ramsar Site	population of little	population of little tern;	maintenance of sparsely vegetated dunes for nesting
	tern	To maintain in (or restore to) favourable	(little tern).
	Internationally	condition rocky shores with boulder and	extent and quality of rocky shore feeding and roosting
	important wintering	cobble beaches for wintering purple	habitat (purple sandpiper and turnstone)
	populations of	sandpiper and turnstone.	
	purple sandpiper		
	and turnstone		

# 4. Stage 1B: Analysis of Trends

- 4.1 Trends are influences on a European site other than other plans and projects, which have influenced it and are likely to continue to influence it. It is important that relevant trends are considered alongside the plan that is subject to Habitats Regulations Assessment and other plans and projects, in order to identify the factors which, in combination, may be affecting a European site.
- 4.2 The following trends have been identified as being relevant to this Habitats Regulations Assessment:
  - Air quality;
  - Water quality and hydrology;
  - Tourism and recreation;
  - Large scale development;
  - Climate change;
  - Non-native invasive species

# **Air Quality**

4.3 The most significant pollutants in the UK are as follows:

Sulphur Dioxide SO2

- 4.4 The main sources of SO2 are power stations and industrial combustion processes burning large quantities of fossil fuels.
- 4.5 Wet and dry deposition of SO2 acidifies soils and fresh waters, thereby altering the composition of plant communities by causing a decline in species intolerant of more acid conditions. The significance of impacts depends on the levels of deposition and the buffering capacity of the receiving environment; basic environments have a higher buffering capacity while acid soils and waters have a much lower buffering capacity and so are more severely affected.
  - Nitrogen Oxides NOx (nitrate (NO2), nitrogen oxides (NO3) and nitric acid (HNO3)
- 4.6 NOx is mainly produced by combustion, with about a quarter of UK emissions from power stations, half from vehicle exhausts and the rest from industrial and domestic combustion.
- 4.7 Deposition of NOx can lead to acidification of soils and freshwater. As with SO2, the degree of harm depends on the level of deposition and on the buffering capacity of these environments. NOx can also lead to the eutrophication of soils and waters, leading to the competitive exclusion of sensitive species as more vigorous ones take advantage of the increased nutrient levels.

# Ammonia (NH3)

- 4.8 Ammonia is released during the decomposition of animal wastes, and adverse effects are caused by eutrophication, mainly within or near intensive livestock rearing environments in the lowlands.
- 4.9 Levels have been greatly increased by the development of intensive livestock rearing systems during the twentieth century. However recent agricultural policy reforms and the introduction of agri-environment schemes are likely to facilitate a reverse in this trend.

#### Low Level Ozone O3

- 4.10 A secondary pollutant generated by photochemical reactions from NOx and volatile organic compounds.
- 4.11 Concentrations of O3 exceeding 40 ppb are toxic to humans and wildlife, altering the species composition of semi-natural habitats.

# Underlying Trends in Air Pollution

4.12 The National Expert Group on Transboundary Air Pollution report of 2001
Transboundary Air Pollution: Acidification, Eutrophication and Ground-Level Ozone in the UK reported the following findings:

Total SO2 emissions have decreased substantially in recent decades due to a decline in heavy industry, a decreasing contribution of coal burning in electricity generation, selection of lower sulphur coals for this purpose and cleaner burning of fossil fuels in power stations. Direct effects on vegetation have been virtually eliminated Critical loads for acidification were exceeded in 71% of UK ecosystems in 1997, but this is forecast to drop to 47% by 2010, by which time NOx will have replaced SO2 as the major contributor.

Critical loads for eutrophication were exceeded in 25% of sensitive grasslands and 55% of heathland in 1995-97. This is expected to drop to 20% and 40% respectively, due to decreasing NH3 and NH4 emissions.

Overall, current deposition of nitrogen is probably changing the composition of vegetation in many nutrient-poor (acidic) habitats, and these changes may not be readily reversible.

4.13 Although technological advances have reduced NOx emissions from vehicle engines, increasing traffic levels are likely to cause NOx levels to start to increase again, and NOx levels are identified as a problem for sensitive sites adjacent to major transport routes.

4.14 Vehicle use is likely to continue to increase in Northumberland for a number of reasons; rising levels of car ownership, increasing levels of economic activity, increasing levels of tourism, population growth (albeit at a very modest level). The Design Manual for Roads and Bridges includes an equation describing the characteristic decrease in pollutant concentrations with increasing distance from roads. Based on this and other research, it is considered that NOx emissions generated within 200m of a European site which has interest features which are vulnerable to nitrogen deposition need to be considered in Habitats Regulations Assessments.

# European sites currently receiving acid deposition, nitrogen deposition or both above their critical loads

exceeded. 4.15 pollution levels divided by the critical load that the site can carry, so a figure in excess of 1.0 shows that the critical level is being table shows European sites where acid deposition, nitrogen deposition or ozone are above their critical loads. The figures show air emissions from JEP coal and oil-fired power stations on sites protected by the Habitats Directive (February 2006), the following Based on the UK Air Pollution Information System (APIS) and the Environment Agency study Impact of atmospheric

European	Acid	Nitrogen		Features most	Largest non-agricultural source
Site	Deposition	Deposition	Ozone	sensitive to N and acid deposition	,
Border Mires SAC	4.97	2.67	0.91	Blanket bog	Acid – Large Combustion Plants
					(LCP) N - Transport
<b>Borders Woods</b>	0.24	1.86	0.86	Tilio-Acerion forests of	Acid – LCP
SAC				slopes, screes and ravines	N - Transport
Harbottle Moors	14.2	0.99	0.88	European dry heaths	Acid – LCP
	)	)			
FORD MOSS SAC	14.2	2.05	0.92	Active raised bogs	N - Transport
Moor House -	3.45	2.20	0.99	Alpine and boreal heaths	Acid – LCP
Upper Teesdale SAC					N - Transport
North	0.25	1.01	0.90	Fixed dunes	Acid – LCP
Northumberland Dunes SAC				Embryonic shifting dunes	N - LCP
North Pennine	2.89	1.51	0.90	Mountain hay meadows	Acid – LCP
Dales Meadows SAC					N - Transport
North Pennines	26.7	1.86	0.98	European dry heaths	Acid – LCP
Moors SAC					N - Transport

		9			
European Site	Acid	Nitrogen	Ozone	Features most sensitive to N	Largest non-agricultural sources
	deposition	deposition		and acid deposition	
<b>North Pennines</b>	26.7	3.72	0.98	Blanket bogs	Acid – LCP
Moors SAC					N - Transport
Simonside Hills	14.2	66.0	0.94	European dry heaths	Acid - LCP
SAC				,	N - Transport
Simonside Hills	14.2	1.97	0.94	Blanket bogs	Acid – LCP
SAC					N - Transport
Tyne and Allen	Fig not	1.18	Fig not	Calaminarian grasslands	Acid – LCP
River Gravels SAC	available,		available		N - Transport
	not				
	exceeded				
Tyne and Nent	Fig not	1.3	Fig not	Calaminarian grasslands	Acid – LCP
SAC	available,		available		N - Transport
	not				
	exceeded				
Castle Eden Dene	2.42	2.72	1.18	Ash and yew woodland	Acid – LCP
SAC					N - Transport
Thrislington SAC	0.43	1.54	0.85	Calcareous grassland	Acid – LCP
					N - Transport
Langholm -	2.15	1.1	0.808	Moorland habitats supporting	Acid – LCP
Newcastleton				hen harrier	N - Transport
Moors SPA					
North Pennines	1.32	2.71	0.94	Moorland habitat supporting	Acid – LCP
Moors SPA				golden plover, hen harrier	N - Transport

# NB

Marine and intertidal features were not considered to be at risk due to the buffering effects of seawater. minimus compared to inputs from surface and groundwater runoff. Information was not available for freshwater sites, but the risk presented from atmospheric nitrogen was considered to be de

4.16 The table shows that the most significant excedences of critical loads of acid deposition occur in heathland and mire communities, and are especially severe in the North Pennines SAC, Simonside Hills SAC, Harbottle Moors SAC, Border Mires SAC, and Moor habitats. Ozone levels are mostly close to, but not above the critical load being exceeded. House-Upper Teesdale SAC. Excedences of critical loads of nitrogen deposition are less extreme but occur in all of the above

# **Water Quality**

- 4.17 Maintaining high water quality is central to the wellbeing of a number of European sites in Northumberland; most obviously the Roman Wall Loughs SAC, the River Eden SAC and the River Tweed SAC. However, other sites such as Newham Fen SAC and Ford Moss SAC could be adversely affected by raised nutrient inputs from agricultural fertilizer and manure or sewage, reaching these sites via aquatic pathways. Parts of rural Northumberland are not served by mains sewerage, resulting in the usage of non-mains systems such as septic tanks and package treatment plants. Their proper functioning is dependent on appropriate maintenance by their owners, which isn't always kept up, potentially resulting in a large number of small sources of pollution that can be hard to trace and manage.
- 4.18 The situation regarding the Tyne and Allen River Gravels SAC and the Tyne and Nent SAC is complex, in that maintenance of the Calaminarian grassland plant communities that form the interest features of these sites is dependent on the ongoing deposition of heavy metals such a lead and zinc, which are washed out of historic mine workings upstream of these sites. In other contexts, these heavy metals are pollutants, and so there can be a tension between a need to improve water quality in these river systems by ameliorating the discharges from historic mining sites in the North Pennines, and maintaining the conditions required by the Calaminarian grassland sites.
- 4.19 Increased algal growth is of concern in Budle Bay, where it is adversely affecting the intertidal sand and mudflats which are an interest feature of the Berwickshire and North Northumberland Coast SAC and, by displacing eelgrass beds, adversely affecting Lindisfarne SPA by reducing the quality and quantity of feeding habitat of grazing wildfowl such as light-bellied Brent goose, widgeon and whooper swan. The reasons for the increased algal growth in this area have not been clearly determined; however, nutrient input from diffuse agricultural pollution in the Tweed catchment is likely to be a significant factor.

# **Hydrology**

4.20 The supply of water in Northumberland is divided into two water resource zones, Kielder WRZ and Berwick and Fowberry WRZ. The Kielder WRZ serves most of the population of Northumberland and is supplied via river systems and reservoirs. For the most part, there are no water availability issues within this WRZ, primarily due to the very substantial supplies at Kielder Reservoir; however, both the rivers Coquet and Font have been identified as experiencing water availability issues. The Berwick and Fowberry WRZ is supplied primarily from an underlying aquifer, and supply shortages have been experienced during periods of high demand. Water abstraction for agriculture occurs from the Tweed catchment rivers, potential impacts on the SAC are being managed through abstraction licence reviews.

#### **Tourism and Recreation**

- 4.21 Tourism is concentrated in certain areas of the county, especially the coast, although the Hadrian's Wall corridor is being increasingly promoted as a tourist destination, as is Northumberland National Park (a separate local planning authority area) and, to a lesser extent, the North Pennines AONB. Disturbance can be a significant impact arising from coastal recreation, with potential adverse impacts on nesting and feeding tern species, feeding and roosting migratory and winter waders and wildfowl and on fragile dune communities. Disturbance of breeding birds caused by increasing levels of recreational access can also be an issue away from the coast, especially in upland SPAs, where breeding populations of golden plover, merlin and hen harrier all require low levels of disturbance. Dogs, especially off-lead animals, increase the effect of casual disturbance of birds by walkers.
- 4.22 European sites at particular risk of disturbance impacts include the Northumbria Coast SPA and Ramsar Site, Lindisfarne SPA and Ramsar Site and the North Northumberland Dunes SAC. European sites vulnerable to disturbance from increasing visitor numbers include the North Pennines SPA. The Tyne and Allen River Gravels SAC is vulnerable to damage from the Pennine Way and from riverside caravan and camping sites.
- 4.23 Improvements in treatment of sewage arising from coastal settlements in order to meet Urban Waste Water Treatment Directive obligations will help to ensure that increasing visitor numbers do not contribute to the eutrophication of intertidal and subtidal habitats.

# **Large Scale Development**

4.24 Development of land is occurring at a comparatively modest pace in Northumberland, with the bulk of housing and industrial development occurring in and adjacent to the settlements of south-east Northumberland, on the periphery of the Tyneside conurbation. New development causes a range of impacts that can affect European sites, including increased or changing patterns of air pollution from changing or increasing vehicle uses, and increases in water demand and in waste arisings. Urban expansion can also cause loss of or increased disturbance to land which is used as high tide and night time roosts by bird species which are key features of the coastal SPAs, and it can increase disturbance within these SPAs, for example through increased recreational use of the intertidal zone and through light pollution. Recreational disturbance such as dog walking can be a particular problem when new residential development occurs close to the Northumbria Coast SPA and Ramsar Site; feeding opportunities for turnstone and purple sandpiper are already restricted by the tides and the limited daylight of winter, so lost feeding time and increased energy use evading perceived predators could be significant. Some high tide and night time roost sites used by these species are known to occur in close proximity to development, but overall knowledge of the location of roost sites is incomplete. There is currently a high degree of uncertainty about the breeding locations of the golden plover that winter on the

Northumberland Coast; however, adverse effects on the wintering populations could affect the integrity of the North Pennines Moors SPA or other SPAs that they breed in.

- 4.25 Demand for particular types of building stone, for markets within and outwith Northumberland, can create demand for particular sites to be quarried. In Northumberland, demand for dimensional building stone is generally for sandstone, with a low likelihood of significant effects on European sites.
- 4.26 The highest quality concreting sands and gravels in Northumberland are derived from igneous rocks, and so occur in the north of the county, in valleys of rivers which are within the River Tweed SAC. Potential significant effects include releases of silt or pollutants to the watercourses and hydrological changes arising from water abstraction for processing.

# **Climate Change**

- 4.27 Changes in climate arising from increasing levels of atmospheric CO2 are very complex and difficult to predict. However, increasingly warm dry summers and mild, stormy winters along with rising sea levels seem to be the most likely trends. Possible impacts on European sites include the following:
  - coastal squeeze, as habitats such as saltmarshes and sand dunes are caught in
    a decreasing amount of space between rising sea levels on their seaward side
    and human land uses on their landward side. This is likely to affect all coastal
    European sites, but effects will be felt first and most severely on European sites
    with intertidal habitats and dunes, which are Berwickshire and North
    Northumberland Coast SAC, Tweed Estuary SAC, North Northumberland Dunes
    SAC, Lindisfarne SPA and Ramsar Site, Northumbria Coast SPA and Ramsar
    Site. Increased depths of water due to sea level rise may also affect coastal reefs
    and caves in the Berwickshire and North Northumberland Coast SAC;
  - increasing wildfires affecting combustible plant communities such as heaths and bogs, affecting upland sites such as the North Pennines Moors SAC, North Pennines Moors SPA, Harbottle Moors SAC, Simonside Hills SAC, Border Mires Kielder-Butterburn SAC, Moor House – Upper Teesdale SAC, Irthinghead Mires Ramsar Site and Langholm – Newcastleton Hills SPA;
  - rivers and wetlands increasingly affected by low flows in summer and floods in winter, for example the River Tweed SAC, River Eden SAC, Tyne and Allen River Gravels SAC, Tyne and Nent SAC;
  - distribution patterns of many species affected by shifts in their 'climate space'
    (the geographic area which has the appropriate climate for that species),
    predominately towards higher latitudes and higher altitudes. This may affect
    arctic-alpine communities in the North Pennines Moors SAC and Moor HouseUpper Teesdale SAC especially severely;
  - increasing rates of colonisation by new species, including pests and diseases;

- higher summer water temperatures, with consequent decrease in levels of dissolved oxygen and increases in levels of primary productivity and decay processes.
- 4.28 Measures likely to assist in reducing the impacts of or in adapting to climate change include habitat restoration to improve 'ecosystem services', and land use change to facilitate the movement of communities and species. Examples of ecosystem services include the hydrological functioning of blanket bogs in absorbing large quantities of water from rainfall and gradually releasing it to watercourses, and the flood storage function of river floodplains. The hydrological function of blanket bogs in the uplands of Northumberland and surrounding areas has been adversely affected by the excavation of drainage ditches, especially during the 1950s – 1970s, and through afforestation. Projects to block ditches and restore afforested bogs are underway in the North Pennines and the Border Uplands, but are of a small scale compared to the areas affected. The area of functional floodplain in Northumberland has been greatly reduced over a long time period as flood defences have been put in place for settlements and farmland; however, increasingly severe winter storms will increase the need for it. Coastal realignment (the setting back of coastal defences) has the potential to allow coastal habitats such as saltmarsh to migrate landwards rather than being lost to coastal squeeze; projects are currently underway at Alnmouth and Goswick through the Northumberland Foreshores Project which will demonstrate the potential of this approach, although again these are of very limited scale compared to the problem.
- 4.29 The issue of facilitating the movement of communities and species in response to movements in their climate space is complex, as they vary greatly in their ability to make such movements and they requirements that they have in order to do so; accordingly such changes are likely to be chaotic rather than simple, with more adaptable species and less specialist communities faring much better than more demanding and specialist ones. It is unclear whether beneficial land management practices can be initiated on a significant enough scale to assist in this process; however, those activities that are most likely to have a beneficial effect in this respect include restoring existing habitats to good condition to maximise their resilience, and increasing ecological connectivity by increasing the overall extent of semi-natural vegetation in the wider countryside; reinforcing and expanding features that act as links and corridors such as watercourses and their associated riparian habitats; increasing the density of networks of habitats such as wetlands, semi-natural grasslands and native woodlands; and managing farmland in a way that integrates food production and wildlife conservation. This requires that nature conservation is planned and implemented at a landscape scale, rather than on the traditional site-by-site basis.

# **Invasive Species**

- 4.30 Thousands of non-native species have become established in the UK, having been brought here either intentionally or accidently by people. A small proportion of non-native plants have become highly invasive, displacing native vegetation and forming dense single-species stands of little value to wildlife. Similarly, a few such animals are displacing native species, either directly or via pests or diseases that they have brought with them. Significant problems within European sites are as follows:
  - Pirri-pirri bur is adversely affecting dune grassland within the North Northumberland Dunes SAC:
  - Spartina (a saltmarsh grass) is adversely affecting mudflats within the Berwickshire and North Northumberland Coast SAC and Lindisfarne SPA;
  - Japanese knotweed and giant hogweed is displacing native riparian vegetation in the River Tweed SAC, a problem which is being addressed through the Tweed Invasives Project;
  - Crayfish plague, associated with the introduced signal crayfish, is spreading in northern England, and so the integrity of the River Eden SAC is at risk.

# 5. Stage 1C: Analysis of the Longhorsley Neighbourhood Plan and identification of Likely Significant Effects

- 5.1 The objectives and policies contained within the Longhorsley Neighbourhood Plan have been evaluated to identify where there could be a likely significant effect on the interest features of European sites.
- 5.2 The NPPF states that the presumption in favour of sustainable development does not apply to development proposals that require Appropriate Assessment. As such, were any developments proposed which may have a likely effect on European sites (by virtue of inter alia size, resource use, or indirect effects such as increased disturbance) these effects would be assessed as part of a detailed policy or planning process at that stage.
- 5.3 At present, there are no policies or proposals within this Neighbourhood Plan which would cause significant effects on European sites, or act as drivers to proposals which may cause significant effects.
- 5.4 The nearest European sites to the Neighbourhood Plan boundary are:
  - Northumberland Marine Special Protection Area, approximately 11.6km east of the Neighbourhood Plan area at its closest point;
  - Northumbria Coast Special Protection Area and Ramsar Site, approximately
     12.6km north east of the Neighbourhood Plan area at its nearest point;
  - Simonside Hills Special Area of Conservation, 6.2km north west of the Neighbourhood Plan area at its nearest point'
  - North Northumberland Dunes SAC 13.4km north east:
- 5.5 The Simonside Hills Special Area of Conservation lies 6.2km north west of the Neighbourhood Plan area at its nearest point. This is beyond the 6km zone of influence for upland sites. There are no other internationally designated sites within 10km of the plan boundary.
- 5.6 The other sites are well beyond the 6 to 10km zone of influence for activities that could cause recreational disturbance, and there are no other adverse effects arising from development of this nature that could cause a significant effect over these distances. As there are no likely significant effects, it follows that in-combination effects cannot occur and so is unnecessary to move to stage 1D.

# **Objectives**

5.7 Objective 1 - To outline levels of housing development across the parish to contribute to local housing needs, whilst protecting the green belt and environmental beauty of our area.

This objective is a general statement of policy/general aspiration and is therefore not likely to have a significant effect on a European Site.

# 5.8 Objective 2 - To conserve or enhance the landscape setting, biodiversity and heritage of the parish and village.

This objective is a general statement of policy/general aspiration and is therefore not likely to have a significant effect on a European Site.

# 5.9 Objective 3 - To support and encourage local business to thrive.

This objective is a general statement of policy/general aspiration and is therefore not likely to have a significant effect on a European Site.

# 5.10 Objective 4 - To support and protect our key community facilities.

This objective is a general statement of policy/general aspiration and is therefore not likely to have a significant effect on a European Site.

# 5.11 Objective 5 - To work with Northumberland County Council to provide safer roads and footpaths for better transport for the parish.

This objective is a general statement of policy/general aspiration and is therefore not likely to have a significant effect on a European Site.

#### **Policies**

# 5.12 Policy LNP1 - Development within the settlement boundary

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.13 Policy LNP2 – Development in open countryside

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.14 Policy LNP3 – Development in Green Belt

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.15 Policy LNP4 - Design

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.16 Policy LNP5 – Housing within the settlement boundary

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.17 **Policy LNP6 - Sustainable dwellings in the countryside, outside the Green Belt**This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.18 Policy LNP7 - Extensions

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.19 Policy LNP8 – Use of Affordable Housing for local needs

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.20 Policy LNP9 – Support for business in the open countryside, outside the Green Belt

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.21 Policy LNP10 - Retaining Local business services and community facilities

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.22 Policy LNP11 – Working from home

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.23 Policy LNP12 - Local Green Spaces

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.24 Policy LNP13 - Protection of Allotments

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.25 Policy LNP14 – Support for community facilities

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.26 Policy LNP15 – Biodiversity and nature conservation

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites. The emphasis on

supporting and conserving Priority Habitats is noted as a positive contribution to nature conservation and ecosystem functionality.

# 5.27 Policy LNP16 - Water Management

This policy is a general criterion for testing the acceptability or sustainability of proposals. A focus on the protection of water resources and reducing surface water run off through SUDS may benefit the coastal SPAs.

# 5.28 Policy LNP17 - Rural Features

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.29 Policy LNP18 – Protecting Trees

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites. The emphasis on conserving veteran trees is noted as a positive contribution to nature conservation and ecosystem functionality.

# 5.30 Policy LNP19 - Landscaping

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.31 Policy LNP20 - Conservation Area

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.32 Policy LNP21 – Small scale renewable energy

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.33 Policy LNP22 - Walking safely

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.34 Policy LNP23 - Rights of Way

This policy is a general criterion for testing the acceptability or sustainability of proposals, there is no likely significant effect on European Sites.

# 5.35 Community Action Proposals

These are not part of the statutory plan and form the basis of a Community Action Plan to bring forward projects which support the community. There is no likely significant effect on European Sites.

# 6. Conclusion

- 6.1 This is a record of the determination as to whether the Submission Plan Final Longhorsley Neighbourhood Plan is likely to have a significant effect on any European sites, as required under Regulation 102 of the Conservation of Habitats and Species Regulations 2010 as amended.
- 6.2 Northumberland County Council provides the following screening opinion for the purposes of the Habitats Regulations:

The Submission Plan Final Longhorsley Neighbourhood Plan is not likely to have a significant effect on any European Sites for the reasons identified in Section 5 of this Report.

- 6.3 As there are no effects which are more than de minimus, there is no requirement to consider impacts arising in combination with other plans and projects, and accordingly the Habitats Regulations Assessment process can be concluded at this point, without progressing to stage 2 appropriate assessment.
- 6.4 In accordance with Regulation 102 of the Conservation of Habitats and Species Regulations 2010 as amended, Northumberland County Council concludes that the Longhorsley Neighbourhood Plan will not have an adverse effect on the integrity of any European sites.
- 6.5 Natural England were consulted on the Habitats Regulations Assessment Screening Opinion and they have confirmed their agreement with the content of this report. A copy of Natural England's formal response to this Screening Opinion has been included at Appendix A of this Report.

# 7. Bibliography

Longhorsley Parish Council, Submission Plan Final Longhorsley Neighbourhood Plan 2017-2031. Submission Plan November 2017

Northumberland County Council Longhorsley Neighbourhood Plan, Strategic Environmental Assessment (SEA) Screening Opinion, 2017

Borough of Poole, Bournemouth Borough Council, Christchurch Borough Council, Dorset County Council, East Dorset District Council and Purbeck District Council (2012) The Dorset Heathlands Planning Framework 2012-2014 Supplementary Planning Document.

Cadwallender, T. and Cadwallender, M. (2013) A Study of Specified Migrating and Over-wintering Wading Birds of the Northumberland Coast. Report for Northumberland County Council.

Castle Morpeth District Local Plan (February 2003)

Cruickshanks, K., Liley, D., Fearnley, H., Stillman, R., Harvell, P., Hoskin, R. & Underhill –Day, J (2010) Desk-based Study on Recreational Disturbance to Birds on the Humber Estuary. Footprint Ecology / Humber Management Scheme

David Tyldesley and Associates (2013) Habitats Regulations Assessment of Preferred Strategy to Inform the Swansea Local Development Plan.

DCLG (2012) National Planning Policy Framework

Design Manual for Roads and Bridges (2012) DfT

English Nature Habitats Regulations Guidance Notes:

HRGN 1; The Appropriate Assessment (Regulation 48). May 1997.

HRGN 3; The Determination of Likely Significant Effect. November 1999.

HRGN 4; Alone or in Combination. May 2001.

English Nature (2005) Dogs, Access and Nature Conservation. Research Report no. 649

English Nature (2006) Draft Guidance: The Assessment of Regional Spatial Strategies and Sub-Regional Strategies under the Provisions of the Habitats Regulations.

Environment Agency (2009) River Basin Management Plan – Northumbria River Basin District. Annex A: Current State of Waters

Environment Agency (2014) A Summary of Information about the Water Environment in the Northumberland Rivers Management Catchment

Environment Agency (2014) A Summary of Information about the Water Environment in the Tyne Management Catchment

Environment Agency (2014) Water for Life and Livelihoods: A Consultation on the Draft Update to the River Basin Management Plan for the Northumbria River Basin District

European Communities (1992) Council Directive 92/43/EEC on the conservation of natural habitats and of wild fauna and flora.

European Commission (2000) Managing Natura 2000 Sites; the Provisions of Article 6 of the 'Habitats' Directive 92/43/EEC.

European Commission (2001) Assessment of Plans and Projects Significantly Affecting Natura 2000 Sites.

Feeney v Oxford City Council and the Secretary of State CLG judgment dated 24 October 2011 Case No CO/3797/2011, Neutral Citation [2011] EWHC 2699 Admin

http://www.oxford.gov.uk/Library/Documents/Barton%20AAP/Barton%20AAP%20CD%207.20.1%20Appendix%20Feeney%20v%20OCC%202011.pdf

Hampshire County Council (2013) Planning for Dog Ownership in New Developments: Reducing Conflict – Adding Value

HMSO (1994) The Conservation (Natural Habitats, &c.) Regulations 1994, SI no. 2716.

HMSO (2010) The Conservation of Habitats and Species Regulations 2010, SI 490

HMSO (2012) The Conservation of Habitats and Species (Amendment) Regulations 2012, SI 1927 Holt, C.A., Austin, G.E., Calbrade, N.A., Mellan, H.J., Hearn, R.D., Stroud, D.A., Wotton, S.R. and Musgrove, A.J. 2015. Waterbirds in the UK 2013/14: The Wetland Bird Survey. BTO/RSPB/JNCC. Thetford. <a href="http://www.bto.org/volunteer-surveys/webs/publications/webs-annual-report">http://www.bto.org/volunteer-surveys/webs/publications/webs-annual-report</a> Johnson, C., Taylor, K., Houldin, C., Race, H. & Birtles, J. 2009. Countryside and Rights of Way (CROW) Act 2000 (Part 1): National Open Access Visitor Survey (2006-2008) - Access Management Report. Natural England Commissioned Report, Number NECR036c.

Liley, D., Hoskin, R., Lake, S., Underhill-Day, J. and Cruickshanks, K. (2013) South-east Devon European Sites Mitigation Strategy. Unpublished report for East Devon District Council, Exeter City Council and Teignbridge District Council

Liley, D. & Tyldesley, D. (2013) Solent Disturbance and Mitigation Project: Phase III, Towards an Avoidance and Mitigation Strategy. Footprint Ecology / David Tyldesley & Associates.

Natural England (2015) Atmospheric Nitrogen Theme Plan: Developing a Strategic Approach for England's Natura 2000 Sites. IPENS TP013

Natural England (2015) Climate Change Theme Plan: Developing a Strategic Approach to Climate Change Adaptation. IPENS TP014

Natural England (2015) Diffuse Water Pollution Theme Plan: Developing a Strategic Approach to Diffuse water Pollution for England's Natura 2000 Sites. IPENS TP015

Natural England (2015) Public Access and Disturbance Theme Plan: a Strategic Approach to Identifying and Addressing Significant Effects on the Features of Natura 2000 Sites. IPENS TP022

North East Local Enterprise Partnership (2014) More and Better Jobs: A Strategic Economic Plan for the North East

Northumberland County Council (2011) Northumberland Local Transport Plan 2011-2026.

Northumberland County Council (2011) Local Transport Plan 2011-2026 Strategy Document

Northumberland County Council (2011) Local Transport Plan 2011-2015 Implementation Plan

Northumberland County Council (2015) Northumberland Economic Strategy 2015-2020

ODPM (2006) The Application of Appropriate Assessment under Article 6(3) and (4) of the Habitats Directive 92/43/EEC to Development Plans in the transitional period between now and when the Amending Regulations come into force. Letter to Chief Planning Officers of 28/2/06.

ODPM (2005) Government Circular: Biodiversity and Geological Conservation – Statutory Obligations and their Impact within the Planning System.

Opinion of Advocate General Kokott, 9th June 2005, Case C-6/04. Commission of the European Communities v United Kingdom of Great Britain and Northern Ireland <a href="http://curia.europa.eu/juris/document/document.jsf?docid=58359&doclang=EN">http://curia.europa.eu/juris/document/document.jsf?docid=58359&doclang=EN</a>

Scott Wilson, Levett-Therivel Sustainability Consultants, Treweek Environmental Consultants and Land Use Consultants (2006) Appropriate Assessment of Plans.

Stillman, R.A., Cox, J., Liley, D., Ravenscroft, N., Sharp, J. and Wells, M. (2009) Solent Disturbance and Mitigation Project: Phase I Report. Report to the Solent Forum

Surrey Heath Borough Council (2012) Local Development Framework 2011-2028: Thames Basin Heaths Special Protection Area Avoidance Strategy Supplementary Planning Document

Tyldesley, D. and Chapman, C. (2013) The Habitats Regulations Assessment Handbook (June 2015 update) DTA Publications Ltd

WeBS Report Online (http://app.bto.org/webs-reporting/)

# Appendix A: Natural England formal response to HRA Screening Opinion

Date: 24 November 2017

Our ref: 232319

Your ref: Longhorsley Neighbourhood Plan HRA Screening Assessment

Northumberland County Council Development Management County Hall Morpeth NE61 2EF BY EMAIL ONLY



Customer Services Hornbeam House Crewe Business Park Electra Way Crewe Cheshire CW1 8GJ

T 0300 060 3900

Dear Sir/Madam

Planning consultation: Longhorsley Neighbourhood Plan HRA Screening Assessment Location: Northumberland

Thank you for your consultation on the above dated 24 November 2017 which was received by Natural England on the same date.

Natural England is a non-departmental public body. Our statutory purpose is to ensure that the natural environment is conserved, enhanced, and managed for the benefit of present and future generations, thereby contributing to sustainable development.

# Longhorsley Neighbourhood Plan – Habitats Regulations Assessment (HRA)

Natural England concurs with the conclusion of the Habitats Regulations Assessment that the Longhorsley Neighbourhood Plan Submission Plan Final is not likely to have a significant effect on any European Sites alone or in-combination with other plans and projects.

We would be happy to comment further should the need arise but if in the meantime you have any queries please do not hesitate to contact us.

For any queries relating to the specific advice in this letter <u>only</u> please contact Ellen Bekker on 0208 225 7091 or ellen.bekker@naturalengland.org.uk. For any new consultations, or to provide further information on this consultation please send your correspondences to <u>consultations@naturalengland.org.uk</u>.

Yours faithfully

Ellen Bekker Lead Adviser Sustainable Development Northumbria Area