SUMMARY OF AVAILABLE DATA, PLANS AND STRATEGIES RELEVANT TO THE BERWICKSHIRE AND NORTH NORTHUMBERLAND COAST SAC

Monitoring, data and evidence

A summary of general MPA data sources can be found at this link

The following site specific data or evidence is also available for the Berwickshire and North Northumberland Coast SAC:

Owner of data or evidence	Name	Description of data or evidence	Availability
Northumberland IFCA	2017 Seagrass survey report	Report of seagrass survey at Lindisfarne	http://www.nifca.gov.uk/wp-content/uploads/2018/03/NIFCA-2017-Seagrass-Survey-Report-1.pdf

Northumberland IFCA	Long Nanny Fish Surveys (2015)	The data was collected to assess the state of Transitional and Coastal Waters (TrAC) fish species in the Long Nanny Burn to evaluate the importance of the site for juvenile fish. Beach seine nets were deployed and all fish were identified to species level and total length was measured for a sub-sample of each species.	Report on NIFCA website
Northumberland IFCA	Beadnell Bay Fish Surveys (2015)	The data was collected to assess the state of Transitional and Coastal Waters (TrAC) fish species in Beadnell Bay to evaluate the importance of the site for juvenile fish. Beach seine nets were deployed, and all fish were identified to species level and total length was measured for a sub-sample of each species.	Report on NIFCA website
Northumberland IFCA	Fenham Flat Mussel Surveys (2007-2017)	Surveys on the mussel beds at Fenham Flats to assess and monitor their condition. Onsite the perimeter of the mussel bed is mapped, percentage cover is estimated using the “Walker and Nicholson” technique and mussel samples are collected from each site for further analysis back at NIFCA’s offices.	Reports on NIFCA website

Scottish Natural Heritage	Site Condition Monitoring Data	Details of condition assessments of interest features of individual SPA, SAC and SSSI features	Data available online via SNH website. Links to specific protected areas: St Abb's Head to Fast Castle SPA Berwickshire and North Northumberland Coast SAC [Scottish section only]
Natural England	Map of Grey Seal breeding habitat on the Farne Islands	PDF map from 2012	Available to download
Natural England	Location of interest features within the Berwickshire and North Northumberland SAC	PDF map from 2012	Available to download

Natural England	NBN 2013: Tweed Estuary SAC Biotype Survey	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download
Natural England	Tweed Estuary, littoral sediment survey	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download
Natural England	NBN 2002 English Nature/ASM survey of Berwickshire and North Northumberland Coast	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download

Natural England	NBN 2002 English Nature/CALM Berwickshire & North Northumberland Coast Rocky Shore transects	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download
Natural England	NBN 2010 Envision Mapping Berwickshire and North Northumberland coast survey of sand and mudflats	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download
Natural England	NBN 2010 Natural England/MarClim Farne Islands Intertidal Survey	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download

Natural England	NBN 2013 Natural England (NE) Tweed Estuary SAC: Biotope Survey	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download
Natural England	NBN 2013 Natural England Verification Survey of Intertidal Sediments within the Coquet to St Marys rMCZ	Excel spreadsheet of species records from the National Biodiversity Network (NBN) Gateway.	Available to download
Natural England	Berwickshire Intertidal Rocky Reefs	Report on surveys of the intertidal rocky reef commissioned for the Berwickshire and North Northumberland Coast Special Area of Conservation (SAC) by the Improvement Programme for England's Natura 2000 sites (IPENS). The site was surveyed during August 2013 with the aim to survey and quantify the extent of the rooky reef intertidal feature in order to provide evidence for	Available to download

		assessing changes within the site and to be able to monitor future changes. An assessment of anthropogenic influences, impacting on identified features, such as coastal defences, and damaging or potentially damaging activities, was undertaken and mapped where possible.	
Natural England	Site Condition Monitoring Data	Condition assessments of the individual terrestrial/intertidal SSSIs which underpin SAC, SPA, and MCZ designations.	Details of individual SSSIs can be viewed on the Designated Sites View website
Marine Scotland	East Coast Marine Mammal Acoustic Study	ECOMMAS is a long-term, on-going study into how underwater noise generated by offshore industry impacts the distribution of dolphins and porpoises in the Scottish North Sea. Acoustic recorders (C-PODs and SM2Ms) are deployed at 30 sites across 10 locations along the east coast. They record underwater noise and count echolocation clicks to measure dolphin and porpoise presence and absence. They are	Available on Marine Scotland Data website

		deployed in the spring and are recovered after ~ 4 months. In 2015 and 2016, a second deployment was issued in July/August. Data is from several locations along the east coast of Scotland, including some records from St Abb's	
Marine Scotland	Estimated at-sea Distribution of Grey and Harbour Seals - updated maps 2017	GIS files (UTM zone 30N WGS84 Shapefiles and GeoTIFFs) of gridded harbour (Phoca vitulina) and grey (Halichoerus grypus) seal at-sea (i.e. marine) and total (i.e. marine and haul out combined) usage estimates were produced for Marine Scotland (Marine Mammal Scientific Support Research Programme MMSS/002/15) by the Sea Mammal Research Unit (SMRU).	http://marine.gov.scot/
National Trust	Annual wildlife reports for the Farne Islands	Information on birds and grey seals summarised each year in the 'Northumbrian Naturalist' publication of the Natural History Society of Northumbria	Reports available from Natural History Society of Northumbria: http://www.nhsn.ncl.ac.uk/publications/northumbrian-naturalist/
JNCC	Species point records from 1987-88 MNCR Berwick to Beadnell and the Farne Islands survey	Spreadsheet of species records	https://data.gov.uk/dataset/29c0f4b4-3664-4491-a6f3-ce62d2f16bf0/species-point-records-from-1987-88-mncr-berwick-to-beadnell-and-the-farne-islands-survey

JNCC	Habitat point records from 1987-88 MNCR Berwick to Beadnell and the Farne Islands survey	Spreadsheet of marine habitat data	https://data.gov.uk/dataset/1e7df381-0b9d-44c5-9116-6a7907dab8e7/habitat-point-records-from-1987-88-mncr-berwick-to-beadnell-and-the-farne-islands-survey
JNCC	Species point records from 1982 MBNE Farne Islands sublittoral survey	Spreadsheet of species records	https://data.gov.uk/dataset/65e355a4-2a10-4967-93f8-055bc5a912f5/species-point-records-from-1982-mbne-farne-islands-sublittoral-survey
Marine Environmental Data & Information Network	2001-2003 Cefas Aquatic Environments. Monitoring of the Berwickshire and North Northumberland Coast sands and mudflats	This is a study of 5 specific lifeforms provides a follow up to a survey carried out by Institute of Estuarine and Coastal Studies in 1999 (Allen et al., 1999). This 2002 survey aimed to map the position and extent of the gross life-form features: - *Zostera* spp. beds - *Enteromorpha* spp. mats - *Mytilus edulis* (mussel) beds - The position of the seaward boundary of the *Spartina anglica* zone. The dataset includes extensive GIS maps showing the distribution, abundance and density of the 5 target species around the focus site, and high resolution digital stills of the sample sites showing key examples of the biota in the	https://data.gov.uk/dataset/4c685c21-14f4-4078-8fa4-5a355b28ffa0/2001-2003-cefas-aquatic-environments-monitoring-of-the-berwickshire-and-north-northumberland-coast-sands-and-mudflats

		habitats studied.	

Plans and Strategies Relevant to the Berwickshire and North Northumberland Coast SAC:

- North East Marine Plan
- Lindisfarne NNR Management Plan (Natural England)
- Farne Islands NNR Management Plan (National Trust)
- Coquet Island Management Plan (RSPB)
- Northumberland Coastal Site Improvement Plan (SIP)
- Scottish Border to River Tyne Shoreline Management Plan