

Final Report

Population Sizes of Seabirds Breeding in Scottish SPAs

Scottish Government (Marine Scotland)

FINAL REPORT

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Report number: 1002055 (Work Package E)

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1 Introduction

For proposed renewable developments in the marine environment, accurate SPA population estimates are required to inform the EIA process. Citation data for SPAs are often out of date as much of it is from the early 1990s, with some of it dating back to as early as 1970. As such, Natural Power Consultants (NPC) was commissioned by Marine Scotland to collate existing data on SPA populations breeding around the Scottish coast (from JNCC, SNH, RSPB & other sources), with a view to:

- Provide a single source of information on the current SPA breeding population levels specifically for renewables;
- Provide any information on trends obtainable from these data;
- Fill the 'data gap' between Seabird 2000 and the next national seabird census (likely to be between 2013 and 2015).

It is of key importance to note that the purpose of this collation of data for Marine Scotland is to help inform renewable developers, rather than acting as a specific review of SPAs.

The task was originally to include all features of 'SPAs with marine components'. However, a 'marine component' of an SPA refers to a species that is dependent on a marine habitat, such as a sea inlet, estuary or mud flats, or salt marsh. A total of 119 species of birds are listed by JNCC as being dependent on marine environments, including wildfowl, divers, grebes, waders, true seabirds, and certain species that can occupy littoral habitats such as short-eared owl, kingfisher, and twite. Therefore, Marine Scotland focused the scope of the work towards species which are more frequently recorded in locations proposed for offshore renewable developments (offshore wind, wave & tidal schemes), the list of species to be considered was restricted to SPA populations of true seabirds (petrels, shearwaters, northern gannet, great cormorants, skuas, gulls, terns, and auks) that relied on marine habitats during the breeding season. The list drawn up comprises the following species:

Northern fulmar	Great black-backed gull
Northern gannet	Black-legged kittiwake
Leach's storm petrel	Little tern
European storm petrel	Common tern
Manx shearwater	Arctic tern
Great cormorant	Roseate tern
European shag	Sandwich tern
Great skua	Guillemot
Arctic skua	Razorbill
Lesser black-backed gull	Atlantic puffin
Herring gull	

Outputs from the collated data include:

- A 5 year mean (or a mean from N number of years, when fewer than 5 years data are available),
- A mean over all of the data since the last national census and;
- A presentation of trends within the data since the last national census.

1 Methods

Data were obtained from the JNCC's Seabird Monitoring Programme (SMP), as well as requesting any data that was not submitted to the SMP from SNH, bird observatories such as Fair Isle and Isle of May, or any other regularly manned and monitored reserves, such as Handa Island SWT, or Marwick Head RSPB. These data were then collated together into a single Excel spreadsheet, where they could be arranged in order of SPA, species, and year. If there were multiple counts for the same count site in the same year, these were considered to be partial counts and were summed.

There were several issues identified with collating the data available. The SMP began before the Birds Directive and the need for SPA designation, and consequently the count areas and sites used are not necessarily compatible with the boundaries of relevant SPAs. A simple GIS based approach to isolating the relevant count sites within the SPAs and an additional 100 m buffer was intended originally, but was rejected due to the following difficulties:

- Positions for count sites frequently refer to start or end points of linear count sections. The end of an SMP count section might fall within an SPA, but the majority of that section may lie outwith the SPA boundary. Likewise, a section might be excluded from the dataset due to an end point falling just outside an SPA boundary.
- Some SMP positions refer to central points of km² count areas. In these instances, an SPA boundary may cut through part of the count area.
- Some SPAs encompass areas that are smaller than individual SMP count sites. For example, a portion of western Stroma is included within the North Caithness Cliffs SPA, but the SMP count site for Stroma encompasses the whole island, thus including this site could include birds from outside of the SPA.
- The SPA shapefiles are extremely accurate. Inaccurate recording of SMP count 'site' positions could lead to their exclusion from relevant SPA datasets.
- Different (and incompatible) count methods were sometimes used at count sites. For example, a count of a colony of terns may be of 'apparently occupied sites' one year, and 'individuals on the ground' in another.
- The buffer zone could contain data on species from outside the SPA.

Therefore, the majority of count sites were selected manually, by eye, by the JNCC's SMP coordinator. For a small number of SPA's this was deemed an unsuitable approach (Fetlar SPA, Hoy SPA, Papa Stour SPA, Papa Westray SPA, Rousay SPA, and South Uist Machair and Lochs SPA). It was therefore decided in conjunction with JNCC (Roddy Mavor) to apply a GIS based approach to isolate count sites within these SPAs, using a spatial join tool. The spatial join tool overlays the count sites with the SPA shapefiles, thus isolating all positions that fall within the boundaries of an SPA.

Where necessary some incompatible counts (due to count type) were eliminated. The data presented here represents the largest dataset of compatible counts for each species at each SPA. Most of the variation in count types pertains to different ways of counting or expressing breeding 'units'. Therefore, the following count types were selected as being compatible with each other, and referring to breeding 'units', and are referred to in the tables as 'pairs':

- Occupied nests;
- Occupied sites;
- Occupied burrows;
- Occupied territories.

Counts for auks were predominantly of individuals on land apart from Atlantic Puffins, which were counted in occupied burrows. (Counts for individuals on land have been used as a proxy for occupied burrows in some inaccessible sites, meaning that some SPAs include data of both types. This is clarified in the text). Once the data from all sources had been collated, the inconsistencies within the dataset necessitated the setting of some parameters for data representation. Here, each SPA is broken down into its interest features (i.e. the species it is designated to protect), with a data summary for each of these features.

- All of the available data for each SPA feature is presented in a table, detailing counts, the years the counts were made, and the count type (i.e. 'pairs' or individuals on land).
- Each feature of each SPA also has a table representing the requested statistics, based upon the data. This table includes:
 - o SPA count site and name
 - o N year mean – a mean of the latest 5 years data (or as many years data are available). The means are presented with the standard deviation (stdev, the average distance of points from the mean), the percentage coefficient of variation (%CV, the standard deviation expressed as a percentage of the mean, allowing assessment of the relative magnitude of the standard deviation), N (the number of yearly counts on which the summary statistics are based), and the year span (the possible number of counts between the first and last years on which the summary statistics are based).
 - o A mean for and since Seabird 2000 (the last national census). Summary statistics are as above.
 - o The most recent count, with the year.
- If whole colony counts are available, these are presented below count site statistics and called 'whole colony'.
- If all count sites are represented during some years, a row called total (sum of counts) is provided, with statistics (as above) for the total counts for those years.

Figures representing trends in the data since the last national census are presented where the data meet the following criteria. All compatible data available for each species at each count site is presented in the figures.

- More than four counts are available after and including the Seabird 2000 count (or after 2000, if there was no Seabird 2000 count).
- Five year moving average smooths, and polynomial smooths were applied to the data where there were seven or more data points.

3 Data Availability

Incomplete datasets are frequent within the SMP, probably as a result of factors such as data being collected by volunteer observers, and sites being remote, and therefore difficult and costly to access. An index of 'data availability' has been drawn up to allow easy comparison between sites, and should give an indication of the temporal and (for SPAs with multiple count sites) the geographical coverage at each SPA. The index in no way comments on the reliability of the data held for any SPA. The index produces an overall score (out of ten) based upon a product (multiplication) of scores for temporal and multi-species coverage (the light grey columns in the table) and geographical coverage (the dark grey columns).

		5 years data since SZk for all species	5 years data since SZk for some species	5 years data for all species	5 years data for some species	Fewer than 5 years data for all species	No data	Counts for whole SPA	Counts for only part of the SPA	TOTAL
SPA	Score	5	4	3	2	1	0	2	1	
Ailsa Craig SPA						1		2		2
Auskerry SPA			4					2		8
Buchan Ness to Collieston coast SPA					2			2		4
Calf of Eday SPA					2			2		4
Canna and Sanday SPA			4					2		8
Cape Wrath SPA						1			1	1
Copinsay SPA					2				1	2
Cromarty Firth SPA		5							1	5
East Caithness Cliffs SPA						1		2		2
Fair Isle SPA			4					2		8
Fetlar SPA					2				1	2
Forth Islands SPA			4						1	4
Firth of Tay and Eden Estuary SPA							0			0
Flannan Islands SPA					2			2		4

	5 years data since S2k for all species	5 years data since S2k for some species	5 years data for all species	5 years data for some species	Fewer than 5 years data for all species	No data	Counts for whole SPA	Counts for only part of the SPA	TOTAL
Foula SPA				2			2		4
Fowlsheugh SPA			3				2		6
Glas Eileanan SPA	5						2		10
Handa SPA					2		2		4
Hermaness, Saxa Vord and Valla Field SPA				2				1	2
Hoy SPA		4						1	4
Imperial Dock Lock SPA	5						2		10
Inner Moray Firth SPA	5							1	5
Loch of Strathbeg SPA	5						2		10
Marwick Head SPA			3				2		6
Mingulay and Berneray SPA	5						2		10
Monach Isles SPA					1			1	1
Mousa SPA		4					2		8
North Caithness Cliffs SPA					1			1	1
North Colonsay and Western Cliffs SPA				2				1	2
North Rona and Sula Sgeir SPA				2				1	2
Noss SPA		4					2		8
Papa Stour SPA						0			0
Papa Westray SPA	5						2		10
Pentland Firth Islands SPA				2				1	2
Priest Island SPA					1		2		2

	5 years data since SZk for all species	5 years data since SZk for some species	5 years data for all species	5 years data for some species	Fewer than 5 years data for all species	No data	Counts for whole SPA	Counts for only part of the SPA	TOTAL
Ramna Stacks and Gruney SPA						0			0
Rousay SPA					1			1	1
Rum SPA					1		2		2
Shiant Islands SPA					1		2		2
South Uist Machair and Lochs SPA						0			0
St Abb's Head to Fast Castle SPA		4						1	4
St Kilda SPA					1			1	1
Sule Skerry and Sule Stack SPA		4						1	4
Sumburgh Head SPA				2				1	2
Treshnish Islands					1			1	1
Troup, Pennan and Lions Heads SPA				2			2		4
West Westray SPA				2				1	2
Ythan Estuary, Sands of Forvie and Miekle Loch SPA		4						1	4

4 SPA accounts

Each SPA account begins with a summary of the SPAs location and size, followed by a table outlining the interest features, the importance of the qualifying numbers, the populations, and the proportion of the population relevant to the designation. In these tables, Annex one species are shaded pink and regularly occurring migratory species are shaded green. Significance is determined by the proportion of the SPA population of the relevant biogeographical population, taken from the SPA review (Stroud et al 2001). No significance is given for species comprising aggregations of over 20,000 seabirds as no population data is available for the citation.

Trends have been assessed by eye, and where apparent, are summarised in tables for each interest feature at each SPA. These tables also summarise the availability of data at each SPA, showing the proportions of count sites counted, and the proportion of years (since the Seabird 2000 census) where data has been collected.

These proportions are then used to assign a 'confidence level' for the trends given, based upon the following matrix.

Sites covered	Years	0 - 0.24	0.25 - 0.49	0.5 - 0.74	0.75 - 1
0 - 0.24		very low	low	low	low
0.25 - 0.49		low	low	mod	mod
0.5 - 0.74		low	mod	mod	high
0.75 - 1		low	mod	high	very high

These tables also indicate number of count sites at each SPA, and the year that Seabird 2000 data was collected for each site. Where Seabird 2000 data was collected for different species over different years, this is indicated using the species BTO codes. The BTO codes used in the tables are shown below.

Northern fulmar	F.	Great black-backed gull	GB
Northern gannet	GX	Black-legged kittiwake	KI
Leach's storm petrel	TL	Little tern	AF
European storm petrel	TM	Common tern	CN
Manx shearwater	MX	Arctic tern	AE
Great cormorant	CA	Roseate tern	RS
European shag	SA	Sandwich tern	SE
Great skua	NX	Guillemot	GU
Arctic skua	AC	Razorbill	RA
Lesser black-backed gull	LB	Atlantic puffin	PU
Herring gull	HG		

Each of the relevant species then has a table of raw data, and a table outlining the summary statistics. For species where enough data is available, figures are used to represent population trends (per SPA or per count site).

4.1 Ailsa Craig SPA – EU code UK9003091

Ailsa Craig SPA is an island located in the outer Firth of Clyde, South Ayrshire, south west Scotland, at latitude 55 55 15 N and longitude 05 07 00 W. The SPA covers an area of 99.94 ha. A range of seabirds breed within the SPA, primarily Northern Gannets and other cliff nesting species.

4.1.1 Citation details

Date of classification – 25/04/1990

Species	Season	Qualification	Population at citation	Significance
Northern Gannet	Breeding	International importance	32460 pairs (count as at 1995)	12.3% of North Atlantic breeding population
Lesser black-backed gull	Breeding	International importance	1800 pairs (count as at 1987)	1.5% of Western Europe, Mediterranean and West African population
Herring gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.1.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data GX 1999, others 2001				
Northern Gannet	1	0.16	decrease	very low
Lesser black-backed gull	1	0.25	unclear	
Herring gull	1	0.25	decrease	mod
Kittiwake	1	0.25	unclear	
Guillemot	1	0.25	unclear	

4.1.3 Ailsa Craig SPA features summary

4.1.3.1 Northern Gannet

The 1999 figure is an extrapolated estimate based on previous colony specific trends.

Raw counts - pairs		
1995	1999	2004
32456	35825	27130

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1995	3	31804	4384	14	3	10	2	31478	6148	20	6	2004	27130

4.1.3.2 Herring gull

Raw counts - pairs		
2001	2005	2010
1450	500	131

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2001	3	694	680	98	3	10	3	694	680	98	10	2010	131

4.1.3.3 Lesser black-backed gull

Raw data - pairs		
2001	2005	2010
400	120	183

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2001	3	234	147	63	3	10	3	234	147	63	10	2010	183

4.1.3.4 Kittiwake

Raw counts - pairs		
2001	2008	2009
1675	200	428

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2001	3	768	794	103	3	9	3	768	794	103	9	2009	428

4.1.3.5 Guillemot

Raw count – individuals		
2001	2005	2009
9415	9000	11668

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2001	3	10028	1436	14	3	9	3	10028	1436	14	9	2009	11668

4.2 Auskerry SPA – EU code UK9002381

Auskerry SPA is an uninhabited island located south of Stronsay, Orkney, at latitude 59 02 00 N and longitude 02 34 00 W. The SPA covers an area of 101.97 ha.

4.2.1 Citation details

Date of classification – 29/06/1998

Species	Season	Qualification	Population at citation	Significance
Storm petrel	Breeding	National importance	780 pairs (count as at 1995)	1.8% of GB breeding population
Arctic tern	Breeding	National importance	3600 pairs (4 year mean – 1992-1995)	4.2% of GB breeding population

4.2.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2001				
Storm petrel	1	0.25	stable	mod
Arctic tern	1	0.5	decrease	mod

4.2.3 Auskerry SPA features summary

4.2.3.1 European storm petrel

Raw counts – pairs		
2001	2003	2005
994	978	857

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2001	3	943	75	8	3	5	3	943	75	8	5	2005	857

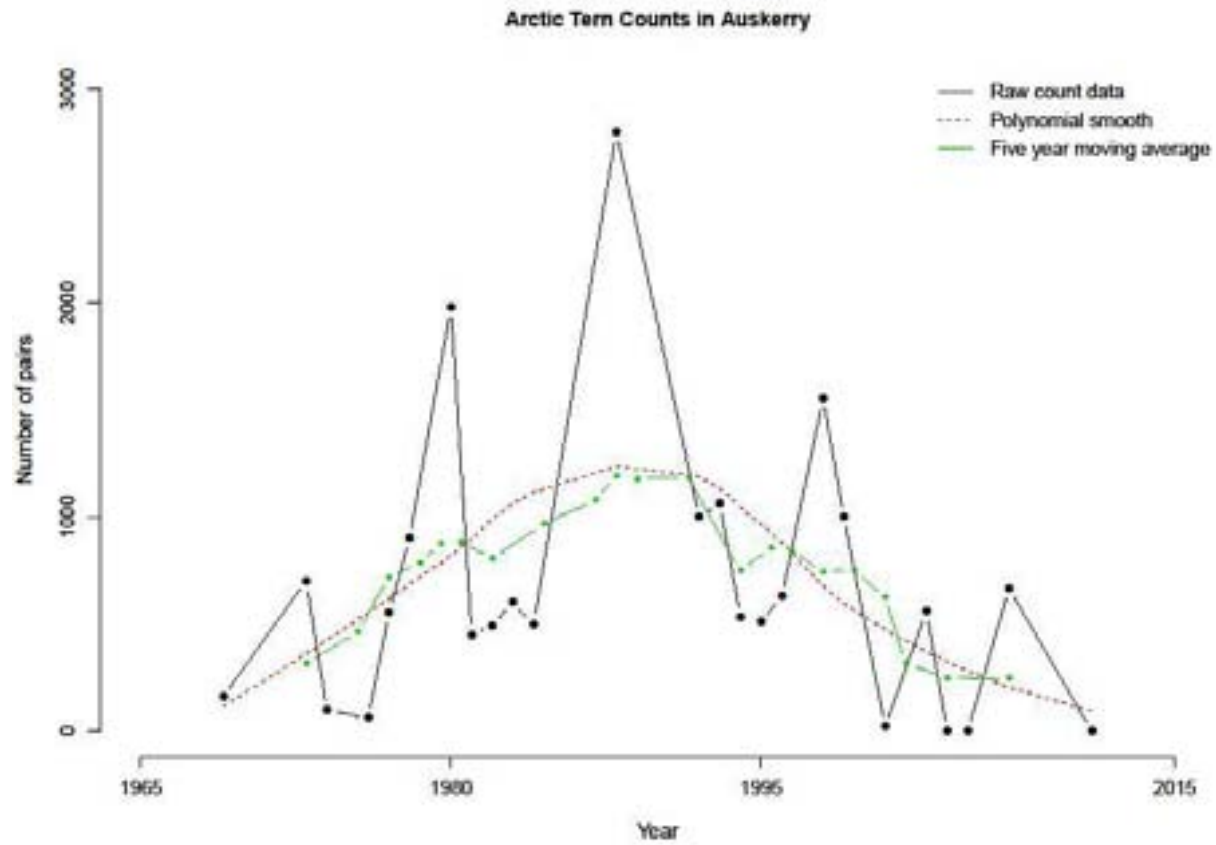
4.2.3.2 Arctic tern

Raw counts - pairs																								
1969	1973	1974	1976	1977	1978	1980	1981	1982	1983	1984	1988	1992	1993	1994	1995	1996	1998	1999	2001	2003	2004	2005	2007	2011
160	700	100	60	550	900	1981	450	493	600	500	2800	1000	1067	533	510	627	1553	1000	20	560	0	0	667	0

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1969	25	245	338	138	5	9	6	208	316	152	11	2011	0

4.2.4 Trend summary for species with sufficient data at Auskerry SPA

4.2.4.1 Arctic tern



4.3 Buchan Ness to Collieston Coast SPA – EU code UK9002491

Buchan Ness to Collieston Coast SPA is a coastal site located south of Peterhead, Aberdeenshire, at latitude 57 26 20 N and longitude 01 48 30 W. The SPA covers an area of 208.62 ha. A range of seabirds breed within the SPA, primarily cliff nesting species.

4.3.1 Citation details

Date of classification – 30/03/1998

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Herring gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Shag	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.3.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2001				
Fulmar	1	0.16	decrease	low
Herring gull	1	0.16	stable	low
Shag	1	0.25	unclear	
Kittiwake	1	0.25	stable	mod
Guillemot	1	0.16	decrease	low

4.3.3 Buchan Ness to Collieston Coast SPA features summary

4.3.3.1 Fulmar

Raw counts - pairs			
1986	1995	2001	2007
1769	2823	1976	1389

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	1989	607	30	4	22	2	1683	415	25	7	2007	1389

4.3.3.2 Herring gull

Raw counts - pairs			
1986	1995	2001	2007
4401	2955	3126	3114

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	3399	673	20	4	22	2	3120	8	0	7	2007	3114

4.3.3.3 Kittiwake

Raw counts – pairs				
1986	1995	2001	2004	2007
19498	24957	14091	13330	14133

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	17202	4988	29	5	22	3	13851	452	3	7	2007	14133

4.3.3.4 Shag

Raw counts – pairs				
1986	1995	2001	2004	2007
440	223	415	594	344

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	403	136	34	5	22	3	451	129	29	7	2007	344

4.3.3.5 Guillemot

Raw count – individuals			
1986	1995	2001	2007
12896	27899	29389	20858

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%C V	Yr. span	Year	Count
1986	4	22761	7556	33	4	22	2	25124	6032	24	7	2007	20858

4.4 Calf of Eday SPA – EU code UK9002431

The Calf of Eday SPA is an uninhabited island lying to the north of Eday, at latitude 59 14 24 N and longitude 02 43 48 W. The SPA covers an area of 238.03 ha. A range of seabirds breed within the SPA, including cliff nesting species in suitable habitat and Great Cormorant and gulls inland.

4.4.1 Citation details

Date of classification – 29/06/1998

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great black-backed gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great Cormorant	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.4.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K F., KI, GU 2002, GB none, CA 2000				
Fulmar	1	0.083	unclear	low
Great black-backed gull	1	0.18	decrease	low
Cormorant	1	0.25	increase	mod
Kittiwake	1	0.16	stable	low
Guillemot	1	0.16	increase	low

4.4.3 Calf of Eday SPA features summary

4.4.3.1 Fulmar

Raw count - pairs
2002
1842

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	1842

4.4.3.2 Great cormorant

Raw data – pairs				
1993	1995	2000	2003	2006
146	223	138	195	204

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1993	5	181	37	21	5	14	3	179	36	20	7	2006	204

4.4.3.3 Great black-backed gull

Site	Raw counts – pairs			
	1986	1996	2004	2006
Calf of Eday 1	800	938	100	
Calf of Eday 2				281

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Calf of Eday 1	1986	3	613	449	73	3	19	1	NA	NA	NA	1	2004	100
Calf of Eday 2	2006	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2006	281

4.4.3.4 Kittiwake

Raw counts - pairs	
2002	2006
765	747

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2002	2	756	13	2	2	5	2	756	13	2	5	2006	747

4.4.3.5 Guillemot

Raw count - individuals	
2002	2006
2560	9012

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%C V	Yr. span	Year	Count
2002	2	5786	4562	79	2	5	2	5786	4562	79	5	2006	9012

4.5 Canna and Sanday SPA – EU code UK9001431

Canna and Sanday SPA comprises two of the Small Isles, lying to the north west of Rum, at latitude 57 04 00 N and longitude 06 30 00 W. The SPA covers an area of 1341.27 ha.

4.5.1 Citation details

Date of classification – 20/12/1998

Species	Season	Qualification	Population at citation	Significance
Shag	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Herring gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.5.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2000				
Shag	1	1	decrease	very high
Herring gull	1	1	decrease	very high
Guillemot	1	0.083	unclear	
Puffin	1	0.083	unclear	

4.5.3 Canna and Sanday SPA features summary

4.5.3.1 Shag

Raw data - pairs																									
1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
436	1592	1447	1250	1046	918	925	697	837	984	890	1148	1140	742	838	844	638	603	495	327	348	386	375	324	305	226

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	11	323	64	20	5	5	12	476	209	44	12	2011	226

4.5.3.2 Herring gull

Raw counts - pairs																									
1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
977	1373	1525	1456	1379	1359	1316	1391	1301	1326	1226	1320	1251	1159	1282	1006	862	587	372	112	96	74	70	66	70	63

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	26	69	4	6	5	5	12	388	439	113	12	2011	63

4.5.3.3 Guillemot

Raw count - individuals
1999
5841

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	5841

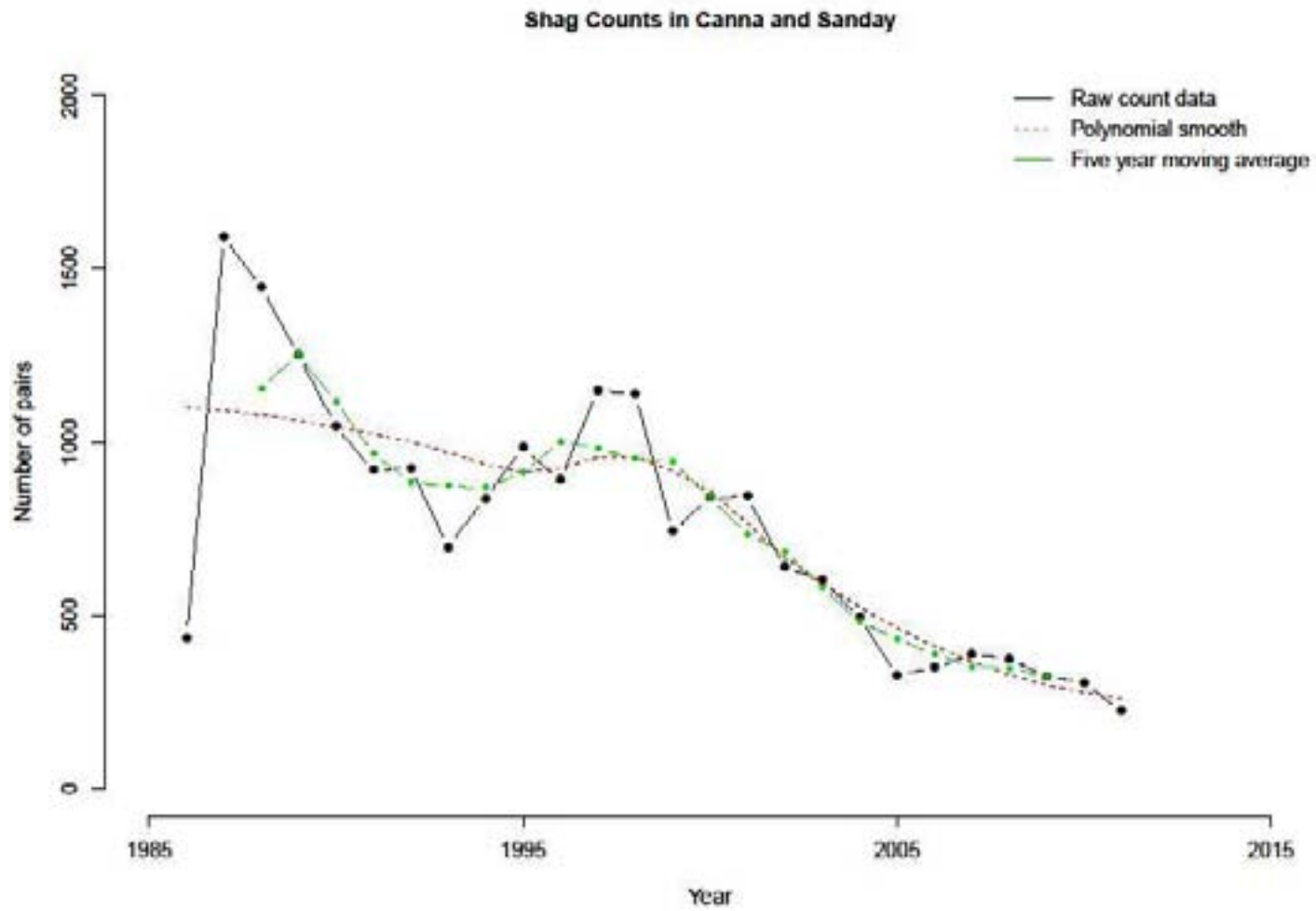
4.5.3.4 Atlantic Puffin

Raw counts - individuals
1999
945

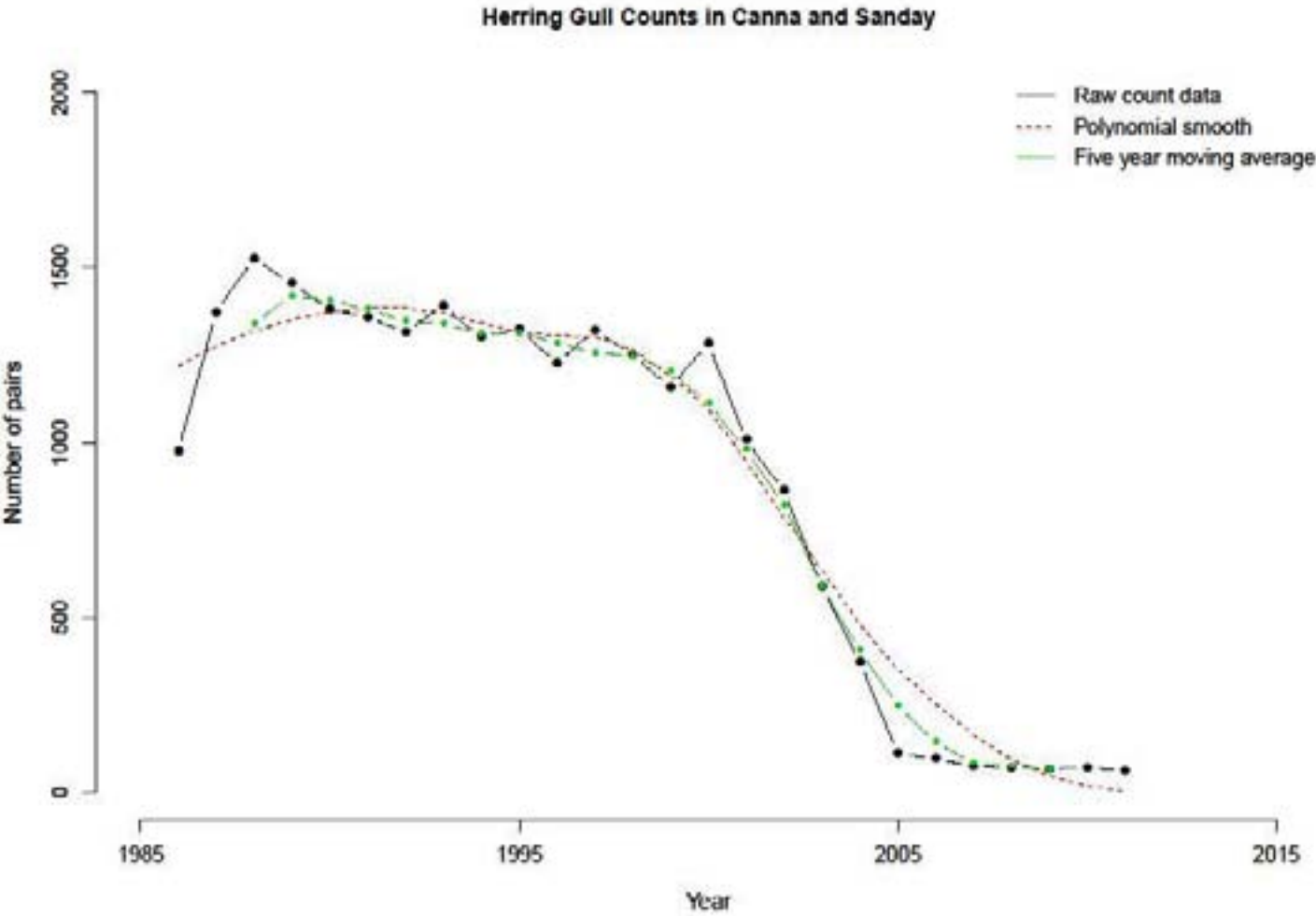
Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1999	2	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	945

4.5.4 Trend summary for species with sufficient data at Canna and Sanday SPA

4.5.4.1 Shag



4.5.4.2 Herring gull



4.6 Cape Wrath SPA – EU code UK9001231

Cape Wrath is a mainland SPA lying in the far north west of Scotland, at latitude 58 36 00 N, longitude 04 53 30 W. It comprises two stretches of cliff around the Cape Wrath headland totalling 1019.18 ha and supports a variety of cliff nesting species.

4.6.1 Citation details

Date of classification – 15/03/1996

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.6.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
15 count sites, S2K data 2000				
Fulmar	0.93	0.083	unclear	
Kittiwake	0.67	0.083	unclear	
Puffin	NA	NA	NA	
Guillemot	0.73	0.083	unclear	
Razorbill	0.86	0.083	unclear	

4.6.3 Cape Wrath SPA features summary

4.6.3.1 Fulmar

Site	Raw counts - pairs
	2000
Cape Wrath 3	144
Cape Wrath 4	308
Clo Mor 1	7
Clo Mor 10	207
Clo Mor 11	332
Clo Mor 2	4
Clo Mor 4	159
Clo Mor 5	133
Clo Mor 7	76
Clo Mor 8	162
Clo Mor 9	206
Geodha Ruadh na Fola	187
Na Glas Leacan	8
North of Geodha Ruadh na Fola	182
Total (sum of counts)	2115

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Cape Wrath 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	144
Cape Wrath 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	308
Clo Mor 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	7
Clo Mor 10	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	207
Clo Mor 11	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	332
Clo Mor 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	4
Clo Mor 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	159
Clo Mor 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	133
Clo Mor 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	76
Clo Mor 8	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	162
Clo Mor 9	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	206
Geodha Ruadh na Fola	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	187
Na Glas Leacan	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	8
North of Geodha Ruadh na Fola	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	182
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2115

4.6.3.2 Kittiwake

Site	Raw counts - pairs
	2000
An Garbh-Eilean	0
Cape Wrath 4	430
Clo Mor 10	821
Clo Mor 11	572
Clo Mor 4	105
Clo Mor 5	306
Clo Mor 7	952
Clo Mor 8	2570
Clo Mor 9	4560
Geodha Ruadh na Fola	28
Total (sum of counts)	10344

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
An Garbh-Eilean	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	0
Cape Wrath 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	430
Clo Mor 10	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	821
Clo Mor 11	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	572
Clo Mor 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	105
Clo Mor 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	306
Clo Mor 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	952
Clo Mor 8	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2570
Clo Mor 9	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	4560
Geodha Ruadh na Fola	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	28
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	10344

4.6.3.3 Guillemot

Site	Raw counts - individuals
	2000
An Garbh-Eilean	0
Cape Wrath 3	10
Cape Wrath 4	170
Clo Mor 10	11500
Clo Mor 11	4340
Clo Mor 4	765
Clo Mor 5	850
Clo Mor 7	1400
Clo Mor 8	5700
Clo Mor 9	16050
Geodha Ruadh na Fola	50
Total (sum of counts)	40835

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
An Garbh-Eilean	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	0
Cape Wrath 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	10
Cape Wrath 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	170
Clo Mor 10	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	11500
Clo Mor 11	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	4340
Clo Mor 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	765
Clo Mor 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	850
Clo Mor 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1400
Clo Mor 8	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	5700
Clo Mor 9	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	16050
Geodha Ruadh na Fola	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	50
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	40835

4.6.3.4 Razorbill

Site	Raw counts - individuals
	2000
An Garbh-Eilean	0
Cape Wrath 3	16
Cape Wrath 4	98
Clo Mor 1	4
Clo Mor 10	792
Clo Mor 11	469
Clo Mor 2	4
Clo Mor 4	73
Clo Mor 5	100
Clo Mor 7	234
Clo Mor 8	335
Clo Mor 9	847
Geodha Ruadh na Fola	20
Total (sum of counts)	2992

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
An Garbh-Eilean	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	0
Cape Wrath 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	16
Cape Wrath 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	98
Clo Mor 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	4
Clo Mor 10	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	792
Clo Mor 11	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	469
Clo Mor 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	4
Clo Mor 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	73
Clo Mor 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	100
Clo Mor 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	234
Clo Mor 8	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	335
Clo Mor 9	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	847
Geodha Ruadh na Fola	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	20
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2992

4.6.3.5 Atlantic puffin

There are no data available for this species at this site.

4.7 Copinsay SPA – EU code UK9002151

Copinsay is located off eastern Mainland, Orkney, at latitude 58 54 00 N, longitude 02 40 30 W. The SPA covers 125.42 ha, comprising the main island and three additional islets that are connected to Copinsay at low water.

4.7.1 Citation details

Date of classification – 29/03/1994

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great black-backed gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.7.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
	4 count sites, S2K data 1999			
Fulmar	0.63	0.33	decrease	mod
Great black-backed gull	0.75	0.33	unclear	
Kittiwake	0.33	0.25	decrease	low
Guillemot	1	0.25	unclear	

4.7.3 Copinsay SPA features summary

4.7.3.1 Fulmar

Site	Raw counts - pairs						
	1986	1987	1994	1999	2005	2007	2008
Black Holm				201			159
Copinsay	1133		1922	1182	417	169	874
Corn Holm		145		362			413
Ward Holm				309			184
Total (sum of counts)				2054			1630

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Black Holm	1999	2	180	30	16	2	10	2	180	30	16	10	2008	159
Copinsay	1986	6	913	688	75	5	15	4	660	454	69	10	2008	874
Corn Holm	1987	2	279	190	68	2	22	1					2008	413
Ward Holm	1999	2	247	88	36	2	10	2	247	88	36	10	2008	184
Total (sum of counts)	1999	2	1842	300	16	2	10	2	1842	300	16	10	2008	1630

4.7.3.2 Great black-backed gull

Site	Raw counts - pairs				
	1999	2004	2005	2008	2010
Black Holm	100	38	41	23	
Copinsay	185		50	50	218
Corn Holm		178	129	206	
Ward Holm	115	71	68	45	
Copinsay - whole colony				310	
Total (sum of counts)			288	324	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Black Holm	1999	4	51	34	67	4	10	4	51	34	67	10	2008	23
Copinsay	1999	4	126	89	70	4	12	4	126	89	70	12	2010	218
Corn Holm	2004	3	171	39	23	3	5	3	171	39	23	5	2008	206
Ward Holm	1999	4	75	29	39	4	10	4	75	29	39	10	2008	45
Copinsay - whole colony	2008	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2008	310
Total (sum of counts)	2005	2	306	25	8	2	4	2	306	25	8	4	2008	324

4.7.3.3 Kittiwake

Site	Raw counts - pairs			
	1986	1999	2005	2008
Black Holm		0		
Corn Holm		0		
Ward Holm		0		
Copinsay	9550	4256	433	
Copinsay - whole colony				3552

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Black Holm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	0
Corn Holm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	0
Ward Holm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	0
Copinsay	1986	3	4746	4578	96	3	20	2	2345	2703	115	7	2005	433
Copinsay - whole colony	2008	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2008	3552

4.7.3.4 Guillemot

SPA	Raw counts - individuals			
	1986	1999	2005	2008
Copinsay - SMP	29448	18675	4674	13680
Copinsay - whole colony				13680

SPA	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Copinsay - SMP	1986	4	16619	10330	62	4	23	3	12343	7096	57	10	2008	13680
Copinsay - whole colony	2008	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2008	13680

4.8 Cromarty Firth SPA – EU code UK9001623

The Cromarty Firth is located on the eastern coast of Highland, mainland Scotland, at latitude 57 41 00 N, longitude 04 12 00 W. It covers an area of 3766.24 ha, with a variety of habitats including those suitable for breeding terns.

4.8.1 Citation details

Date of classification – 22/03/1999

Species	Season	Qualification	Population at citation	Significance
Common tern	Breeding	National importance	294 pairs (5 year mean – 1989-1993)	2.4% of GB breeding population

4.8.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
3 count site, S2K data 2000				
Common tern	1	0.91	unclear	

4.8.3 Cromarty Firth SPA features summary

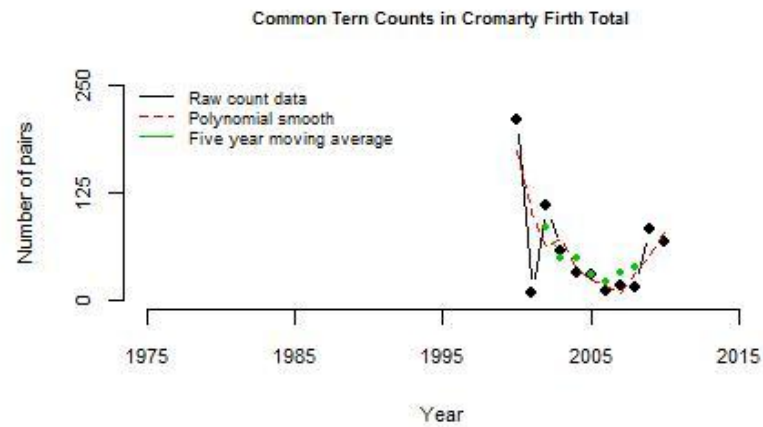
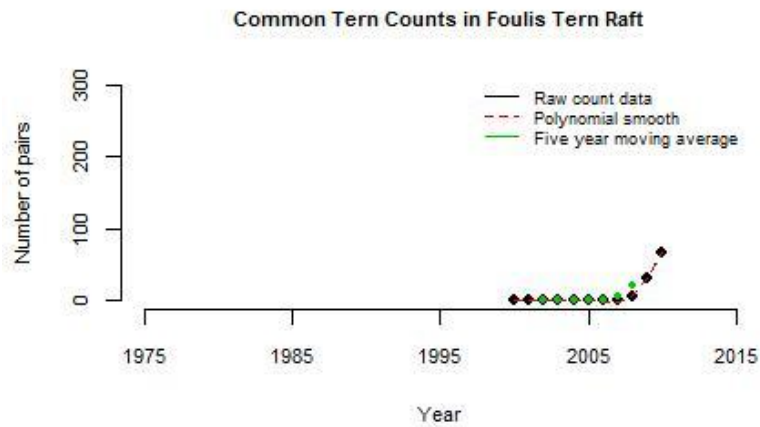
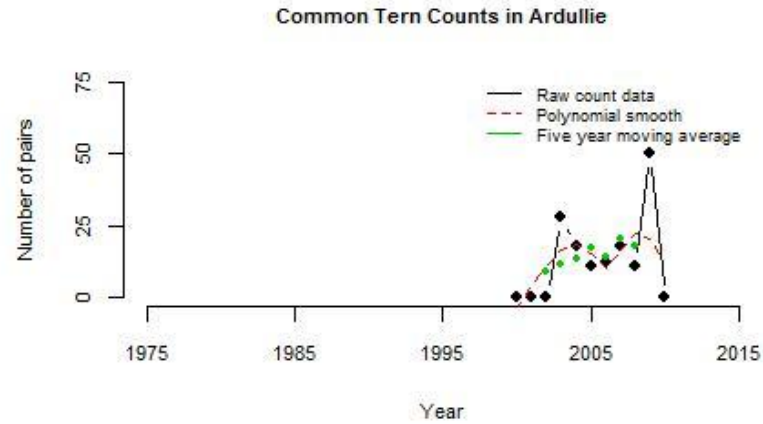
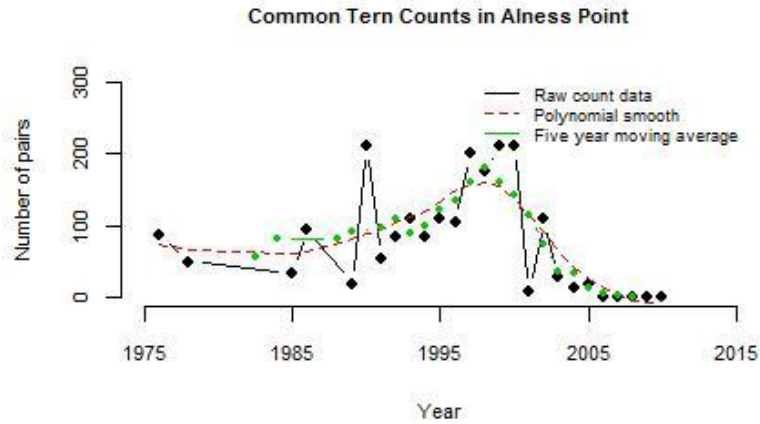
4.8.3.1 Common tern

Site	Raw counts - pairs																									
	1976	1978	1985	1986	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Alness Point	87	50	35	95	20	210	55	85	110	85	110	105	200	175	210	210	10	110	30	15	20	0	0	0	0	0
Ardullie																0	0	0	28	18	11	12	18	11	50	0
Foulis Tern Raft																0	0	0	0	0	0	0	0	5	32	68
Total (sum of counts)																210	10	110	58	33	31	12	18	16	82	68

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1976	26	0	0	NA	5	5	11	36	66	184	11	2010	0
2000	11	18	19	104	5	5	11	13	15	113	11	2010	0
2000	11	21	29	140	5	5	11	10	22	226	11	2010	68
2000	10	39	33	85	5	5	11	59	60	101	11	2010	68

4.8.4 Trend summary for species with sufficient data at Comarty Firth SPA

4.8.4.1 Common Tern



4.9 East Caithness Cliffs SPA – UK9001182

The East Caithness Cliffs SPA is located on the eastern coast of Caithness, covering an area of 442.62 ha, and located at latitude 58 16 49 N, longitude 03 20 21 W. The SPA covers areas of cliff, geos and stacks, providing habitat for cliff nesting seabirds.

4.9.1 Citation details

Date of classification – 27/03/1996

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great Cormorant	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Shag	Breeding	International importance	2345 pairs (count as at 1986)	1.9% of Northern European breeding population
Herring gull	Breeding	International importance	9370 pairs (count as at 1986)	1.0% of Western Europe breeding population
Great black-backed gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	International importance	31930 pairs (count as at 1986)	1.0% of East Atlantic breeding population
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	International importance	71509 pairs (count as at 1986)	3.2% of East Atlantic breeding population
Razorbill	Breeding	International importance	9259 pairs (count as at 1986)	1.6% of European breeding population

4.9.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
42 count sites, S2K data 1999				
Fulmar	1	0.083	unclear	
Cormorant	0.16	0.83	decrease	mod
Shag	0.88	0.083	unclear	
Herring gull	0.9	0.083	unclear	
Great black-backed gull	1	0.083	unclear	
Kittiwake	0.76	0.083	unclear	
Puffin	0.5	0.083	unclear	
Guillemot	0.9	0.083	unclear	
Razorbill	0.97	0.083	unclear	

4.9.3 East Caithness Cliffs SPA features summary

4.9.3.1 Fulmar

Site	Raw counts - pairs
	1999
Badaidh na Gaoithe	177
Badbea 1	84
Badbea 2	98
Berriedale	708
Burrigill	225
Ceann Leathad nam Bo 1	35
Ceann Leathad nam Bo 2	80
Cleit Bheag	710
Cnoc na Croiche	403
Cnoc na Stri 1	40
Cnoc na Stri 2	90
Corbiegoe	154
Creag na Cuinge 1	120
Creag na Cuinge 3	239
Creag na Cuinge 4	112

Site	Raw counts - pairs
	1999
Forse Head	512
Gearty Head	292
Gotten Dubh	176
Halberry Head	663
Helman Head	380
Hill Head	213
Invershore	178
Ires Geo	516
Latheronwheel	574
Llama Farm	193
Ness Castle	760
Occumster	202
Ord of Caithness 1	38
Ord of Caithness 2	124
Overton	65

Site	Raw counts - pairs
	1999
Poll Gallon	193
Ramsgate	64
Rockhead	1151
Roy Geo	243
Sarplet Head	12
Screadan	1087
Sithean Dubh	515
Skerry Mor	48
Stack of Ulbster	217
The Brough	492
The Clett	827
Whaligoe 1	486
Whaligoe 2	421
Total (sum of counts)	13917

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Badaidh na Gaoithe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	177
Badbea 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	84
Badbea 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	98
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	708
Burrigill	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	225
Ceann Leathad nam Bo 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	35
Ceann Leathad nam Bo 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	80
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	710
Cnoc na Croiche	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	403
Cnoc na Stri 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	40
Cnoc na Stri 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	90
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	154
Creag na Cuinge 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	120
Creag na Cuinge 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	239
Creag na Cuinge 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	112
Forse Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	512
Gearthy Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	292
Gotten Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	176
Halberry Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	663
Helman Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	380
Hill Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	213
Invershore	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	178
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	516
Latheronwheel	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	574
Llama Farm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	193

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	760
Occumster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	202
Ord of Caithness 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	38
Ord of Caithness 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	124
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	65
Poll Gallon	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	193
Ramsgate	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	64
Rockhead	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1151
Roy Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	243
Sarclet Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	12
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1087
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	515
Skerry Mor	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	48
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	217
The Brough	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	492
The Clett	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	827
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	486
Whaligoe 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	421
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	1	NA	NA	NA	1999	13917

4.9.3.2 Great cormorant

Site	Raw counts - pairs																					
	1986	1987	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	2008	2009	2010
Ceann Leathad nam Bo 2	47	55		27	56	58	32	40	35													
Cleit Bheag																				4	3	1
Cnoc na Stri 1													6	0	25	34	41	45	12	7	4	9
Llama Farm													0	26	25	21	10	10	9	9	14	
Occumster		32			41	23	0	15	0	20	21	15	24	19	11	22	0	16	18	10	9	17
Ord of Caithness 1												3	2	0	0	0	0	0	0	0	0	
Ord of Caithness 2	127			90	113	130	50	109	55	58	97	60	47	61	34	20	15	12	25	37	28	40
Stack of Ulbster	16			9	11	14	3	4	2	7	5	3	0	0	0	0	0	0				
The Brough	0		12			8	7	9	2	0	0	0	0	0			0	0	0	0	0	0

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Ceann Leathad nam Bo 2	1986	8	44	12	27	5	5	0	NA	NA	NA	NA	1996	35
Cleit Bheag	2008	3	3	2	57	3	3	3	3	2	57	3	2010	1
Cnoc na Stri 1	2000	10	15	17	109	5	5	10	18	17	90	11	2010	9
Llama Farm	2002	9	10	2	20	5	5	9	14	9	62	9	2010	14
Occumster	1987	19	14	4	30	5	5	10	15	7	49	11	2010	17
Ord of Caithness 1	1999	10	0	0	NA	5	5	9	0	1	300	10	2009	0
Ord of Caithness 2	1986	20	28	11	39	5	5	10	32	15	47	11	2010	40
Stack of Ulbster	1986	16	0	0	NA	5	5	6	0	0	NA	7	2006	0
The Brough	1986	17	0	0	NA	5	5	8	0	0	NA	11	2010	0

4.9.3.3 Great black-backed gull

Site	Raw counts - pairs
	1999
Badbea 2	14
Berriedale	8
Burrigill	1
Cleit Bheag	2
Corbiegoe	2
Creag na Cuinge 3	5
Gotten Dubh	1
Halberry Head	32
Invershore	1
Ires Geo	1
Llama Farm	10
Ness Castle	6
Occumster	32
Overton	1
Rockhead	1
Sarclet Head	1
Screadan	6
Sithean Dubh	4
Skerry Mor	2
Stack of Ulbster	6
The Brough	28
The Clett	2
Whaligoe 1	4
Whaligoe 2	3
Total (sum of counts)	173

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%C V	Yr. span	Year	Count
Badbea 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	14
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	8
Burrigill	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Creag na Cuinge 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	5
Gotten Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Halberry Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	32
Invershore	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Llama Farm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	10
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Occumster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	32
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Rockhead	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Sarplet Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4
Skerry Mor	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
The Brough	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	28
The Clett	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4
Whaligoe 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	173

4.9.3.4 Herring gull

Site	Raw counts - pairs
	1999
Badbea 1	95
Badbea 2	191
Berriedale	135
Burrigill	89
Ceann Leathad nam Bo 1	2
Cleit Bheag	356
Cnoc na Stri 1	13
Cnoc na Stri 2	100
Corbiegoe	55
Creag na Cuinge 1	94
Creag na Cuinge 3	41
Creag na Cuinge 4	46
Forse Head	57
Gearty Head	111
Gotten Dubh	274
Halberry Head	25
Helman Head	19

Site	Raw counts - pairs
	1999
Hill Head	51
Invershore	74
Ires Geo	23
Latheronwheel	137
Llama Farm	75
Ness Castle	82
Occumster	8
Ord of Caithness 2	318
Overton	68
Poll Gallon	15
Ramsgate	6
Rockhead	5
Sarclat Head	110
Screadan	20
Sithean Dubh	38
Skerry Mor	8
Stack of Ulbster	84

Site	Raw counts - pairs
	1999
The Brough	114
The Clett	20
Whaligoe 1	166
Whaligoe 2	54
Total (sum of counts)	3179

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Badbea 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	95
Badbea 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	191
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	135
Burrigill	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	89
Ceann Leathad nam Bo 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	356
Cnoc na Stri 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	13
Cnoc na Stri 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	100
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	55
Creag na Cuinge 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	94
Creag na Cuinge 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	41
Creag na Cuinge 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	46
Forse Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	57
Gearty Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	111
Gotten Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	274
Halberry Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	25
Helman Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	19
Hill Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	51
Invershore	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	74
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	23
Latheronwheel	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	137
Llama Farm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	75
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	82

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Occumster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	8
Ord of Caithness 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	318
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	68
Poll Gallon	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	15
Ramsgate	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Rockhead	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	5
Sarclet Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	110
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	20
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	38
Skerry Mor	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	8
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	84
The Brough	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	114
The Clett	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	20
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	166
Whaligoe 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	54
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3179

4.9.3.5 Shag

Site	Raw counts - pairs
	1999
Badaidh na Gaoithe	7
Badbea 1	25
Badbea 2	400
Berriedale	21
Ceann Leathad nam Bo 1	11
Cleit Bheag	29
Cnoc na Croiche	22
Cnoc na Stri 1	16
Cnoc na Stri 2	43
Corbiegoe	3
Creag na Cuinge 1	79
Creag na Cuinge 2	4
Creag na Cuinge 3	41
Creag na Cuinge 4	9
Forse Head	6
Gearty Head	6

Site	Raw counts - pairs
	1999
Gotten Dubh	16
Halberry Head	15
Helman Head	6
Hill Head	34
Invershore	16
Ires Geo	3
Latheronwheel	6
Llama Farm	14
Ness Castle	24
Ord of Caithness 2	84
Overton	3
Poll Gallon	12
Rockhead	2
Roy Geo	1
Screadan	13
Sithean Dubh	8

Site	Raw counts - pairs
	1999
Skerry Mor	3
Stack of Ulbster	12
The Clett	5
Whaligoe 1	24
Whaligoe 2	10
Total (sum of counts)	1033

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Badaidh na Gaoithe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	7
Badbea 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	25
Badbea 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	400
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	21
Ceann Leathad nam Bo 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	11
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	29
Cnoc na Croiche	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	22
Cnoc na Stri 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	16
Cnoc na Stri 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	43
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3
Creag na Cuinge 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	79
Creag na Cuinge 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4
Creag na Cuinge 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	41
Creag na Cuinge 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	9
Forse Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Gerty Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Gotten Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	16
Halberry Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	15
Helman Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Hill Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	34
Invershore	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	16
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Latheronwheel	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Llama Farm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	14
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	24
Ord of Caithness 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	84
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3
Poll Gallon	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	12
Rockhead	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Roy Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	13
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	8
Skerry Mor	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	12
The Clett	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	5
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	24
Whaligoe 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	10
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1033

4.9.3.6 Kittiwake

Site	Raw count - pairs
	1999
Berriedale	511
Ceann Leathad nam Bo 1	94
Cleit Bheag	400
Cnoc na Croiche	483
Cnoc na Stri 2	363
Corbiegoe	3359
Creag na Cuinge 1	882
Creag na Cuinge 2	668
Creag na Cuinge 3	449
Creag na Cuinge 4	58
Forse Head	313
Gearty Head	40
Halberry Head	2879
Helman Head	100
Hill Head	155
Ires Geo	4336
Llama Farm	106
Ness Castle	1879
Occumster	43

Site	Raw count - pairs
	1999
Ord of Caithness 2	159
Overton	15
Poll Gallon	752
Ramsgate	217
Rockhead	7627
Screadan	22
Sithean Dubh	751
Stack of Ulbster	33
The Brough	916
The Clett	402
Whaligoe 1	929
Whaligoe 2	626
Total (sum of counts)	29567

Site	Year of first available count	Years of count data available	Nyear mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	511
Ceann Leathad nam Bo 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	94
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	400
Cnoc na Croiche	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	483
Cnoc na Stri 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	363
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3359
Creag na Cuinge 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	882
Creag na Cuinge 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	668
Creag na Cuinge 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	449
Creag na Cuinge 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	58
Forse Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	313
Gearty Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	40
Halberry Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2879
Helman Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	100
Hill Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	155
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4336
Llama Farm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	106
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1879
Occumster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	43
Ord of Caithness 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	159
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	15
Poll Gallon	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	752
Ramsgate	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	217
Rockhead	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	7627

Site	Year of first available count	Years of count data available	Nyear mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	22
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	751
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	33
The Brough	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	916
The Clett	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	402
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	929
Whaligoe 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	626
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	29567

4.9.3.7 Guillemot

Site	Raw counts - individuals
	1999
Badaidh na Gaoithe	408
Badbea 1	680
Berriedale	950
Ceann Leathad nam Bo 1	493
Ceann Leathad nam Bo 2	202
Cleit Bheag	1911
Cnoc na Croiche	611
Cnoc na Stri 1	97
Cnoc na Stri 2	2573
Corbiegoe	16510
Creag na Cuinge 1	1374
Creag na Cuinge 2	1314
Creag na Cuinge 3	4720
Creag na Cuinge 4	3789
Forse Head	443
Gearty Head	210
Gotten Dubh	112
Halberry Head	12954
Helman Head	1173
Hill Head	205
Invershore	45
Ires Geo	23010

Site	Raw counts - individuals
	1999
Llama Farm	108
Ness Castle	9065
Occumster	205
Ord of Caithness 2	561
Overton	398
Poll Gallon	819
Ramsgate	1195
Rockhead	20018
Roy Geo	106
Screadan	168
Sithean Dubh	784
Skerry Mor	31
Stack of Ulbster	220
The Brough	2584
Whaligoe 1	7243
Whaligoe 2	3509
Total (sum of counts)	120798

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Badaidh na Gaoithe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	408
Badbea 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	680
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	950
Ceann Leathad nam Bo 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	493
Ceann Leathad nam Bo 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	202
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1911
Cnoc na Croiche	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	611
Cnoc na Stri 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	97
Cnoc na Stri 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2573
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	16510
Creag na Cuinge 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1374
Creag na Cuinge 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1314
Creag na Cuinge 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4720
Creag na Cuinge 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3789
Forse Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	443
Gearthy Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	210
Gotten Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	112
Halberry Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	12954
Helman Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1173
Hill Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	205
Invershore	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	45
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	23010
Llama Farm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	108

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	9065
Occumster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	205
Ord of Caithness 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	561
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	398
Poll Gallon	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	819
Ramsgate	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1195
Rockhead	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	20018
Roy Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	106
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	168
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	784
Skerry Mor	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	31
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	220
The Brough	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2584
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	7243
Whaligoe 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3509
Tota (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	120798

4.9.3.8 Razorbill

Site	Raw counts - individuals
	1999
Badaidh na Gaoithe	146
Badbea 1	42
Badbea 2	2
Berriedale	443
Burrigill	26
Ceann Leathad nam Bo 1	21
Cleit Bheag	503
Cnoc na Croiche	172
Cnoc na Stri 2	136
Corbiegoe	1416
Creag na Cuinge 1	77
Creag na Cuinge 2	49
Creag na Cuinge 3	147
Creag na Cuinge 4	64
Forse Head	160
Gearty Head	268
Gotten Dubh	190
Halberry Head	1086
Helman Head	198
Hill Head	189
Invershore	39
Ires Geo	3402

Site	Raw counts - individuals
	1999
Latheronwheel	103
Llama Farm	109
Ness Castle	887
Occumster	45
Ord of Caithness 2	107
Overton	102
Poll Gallon	237
Ramsgate	36
Rockhead	2517
Roy Geo	87
Sarcllet Head	77
Screadan	106
Sithean Dubh	147
Skerry Mor	14
Stack of Ulbster	242
The Brough	303
The Clett	56
Whaligoe 1	971
Whaligoe 2	912
Total (sum of counts)	15834

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Badaidh na Gaoithe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	146
Badbea 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	42
Badbea 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	443
Burrigill	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	26
Ceann Leathad nam Bo 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	21
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	503
Cnoc na Croiche	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	172
Cnoc na Stri 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	136
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1416
Creag na Cuinge 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	77
Creag na Cuinge 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	49
Creag na Cuinge 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	147
Creag na Cuinge 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	64
Forse Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	160
Gearthy Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	268
Gotten Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	190
Halberry Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1086
Helman Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	198
Hill Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	189
Invershore	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	39
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3402
Latheronwheel	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	103

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Llama Farm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	109
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	887
Occumster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	45
Ord of Caithness 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	107
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	102
Poll Gallon	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	237
Ramsgate	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	36
Rockhead	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2517
Roy Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	87
Sarclet Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	77
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	106
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	147
Skerry Mor	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	14
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	242
The Brough	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	303
The Clett	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	56
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	971
Whaligoe 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	912
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	15834

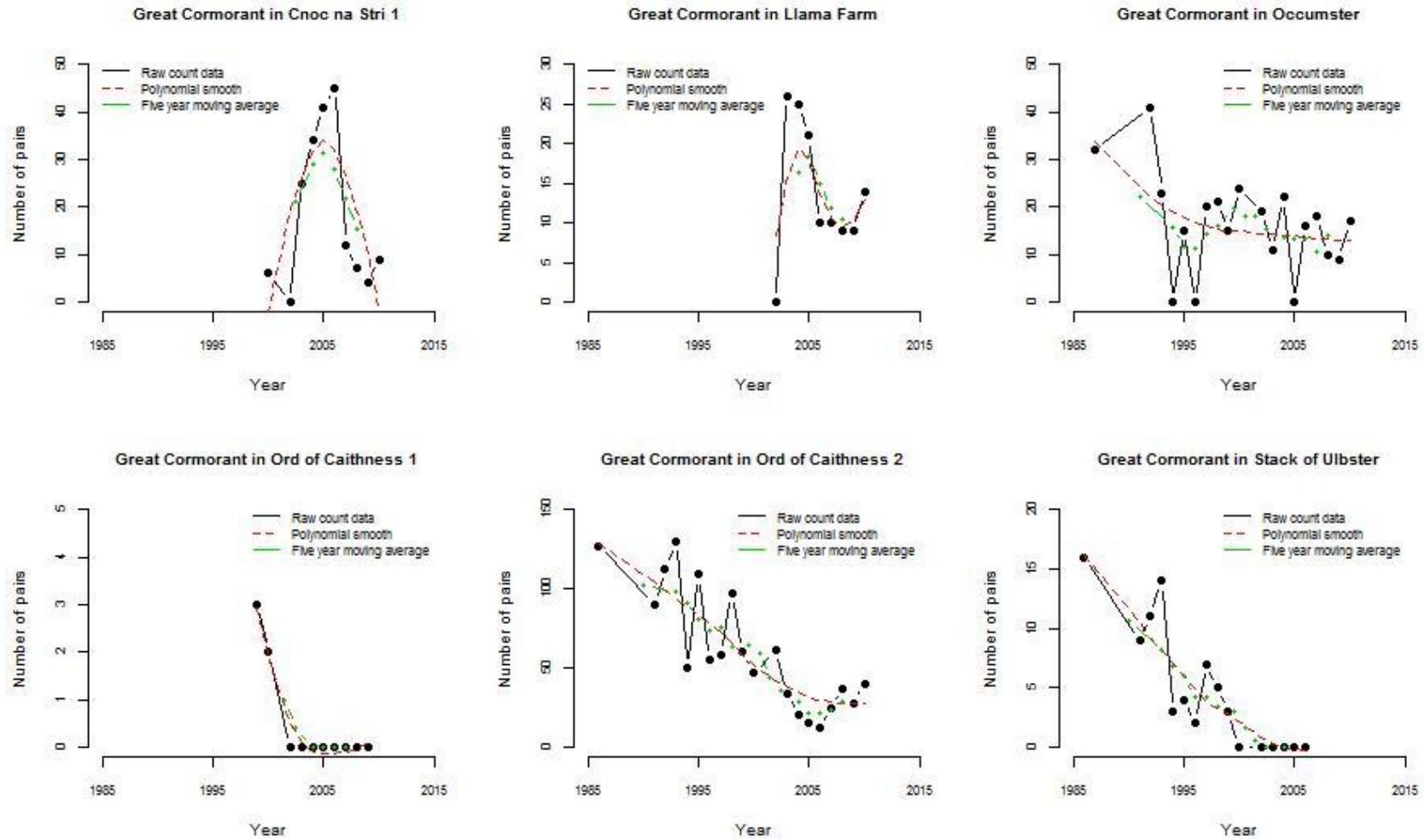
4.9.3.9 Atlantic Puffin

Site	Raw counts - individuals
	1999
Badbea 2	2
Berriedale	17
Cleit Bheag	74
Cnoc na Stri 2	2
Corbiegoe	7
Gearty Head	1
Hill Head	13
Ires Geo	18
Ness Castle	2
Occumster	1
Ord of Caithness 2	14
Overton	1
Poll Gallon	10
Ramsgate	20
Roy Geo	1
Screadan	9
Sithean Dubh	37
Stack of Ulbster	2
The Brough	34
Whaligoe 1	5
Total (sum of counts)	270

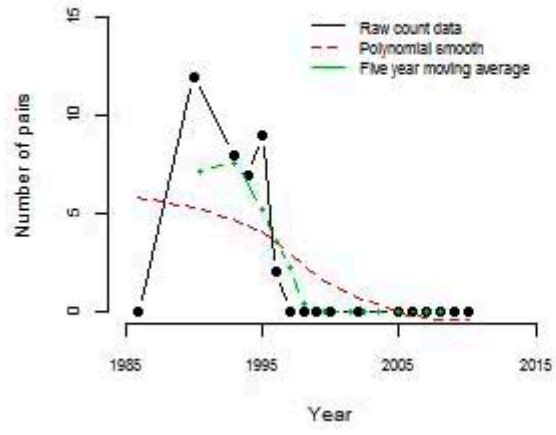
Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (individuals)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Badbea 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Berriedale	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	17
Cleit Bheag	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	74
Cnoc na Stri 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Corbiegoe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	7
Gearty Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Hill Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	13
Ires Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	18
Ness Castle	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Occumster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Ord of Caithness 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	14
Overton	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Poll Gallon	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	10
Ramsgate	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	20
Roy Geo	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
Screadan	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	9
Sithean Dubh	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	37
Stack of Ulbster	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
The Brough	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	34
Whaligoe 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	5
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	270

4.9.4 Trend summary for species with sufficient data at East Caithness Cliffs SPA

4.9.4.1 Great Cormorant



Great Cormorant in The Brough



4.10 Fair Isle SPA – EU code UK9002091

Fair Isle is located roughly mid way between Orkney and Shetland, at latitude 59 32 15 N, longitude 01 37 00 W. The 561.27 ha comprises cliffs and similar habitats for cliff nesting seabirds, as well moorland for ground nesting species such as skuas.

4.10.1 Citation details

Date of classification – 16/12/1994

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Northern Gannet	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Shag	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic tern	Breeding	National importance	1120 pairs (5 year mean – 1993-1997)	2.5% of GB breeding population
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	25165 pairs (count as at 1994)	1.1% of East Atlantic breeding population
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.10.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2001, F. 2000, GU 1999				
Fulmar	1	0.27	increase	mod
Gannet	1	1	increase	very high
Shag	1	0.27	unclear	
Great skua	1	0.64	unclear	
Arctic skua	1	0.64	decrease	high
Lesser black-backed gull	1	0.18	decrease	low
kittiwake	1	0.36	decrease	mod
Arctic tern	1	1	decrease	very high
Puffin	1	0.36	see data table	
Guillemot	1	0.27	decrease	mod
Razorbill	1	0.27	decrease	mod

4.10.3 Fair Isle SPA features summary

4.10.3.1 Fulmar

Raw counts - pairs					
1986	1991	1996	2000	2006	2011
26995	35213	43317	20424	27896	29649

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	6	31300	8549	27	5	21	3	25990	4899	19	12	2011	29649

4.10.3.2 Northern gannet

Raw counts - pairs																								
1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2007	2008	2009	2010	2011
258	304	488	676	643	687	781	764	825	965	1090	1116	1118	1123	1162	1406	1585	1866	1875	1817	1957	2488	3582	3968	4085

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	25	3216	945	29	5	5	11	2345	1046	45	12	2011	4085

4.10.3.3 Shag

Raw counts - pairs						
1986	1990	1993	1998	2001	2003	2008
1099	1073	946	567	663	732	235

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	7	629	260	41	5	16	3	543	269	50	8	2008	235

4.10.3.4 Great skua

Raw counts - pairs								
1986	1993	2001	2006	2007	2008	2009	2010	2011
84	101	143	189	224	294	277	280	227

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	9	260	33	12	5	5	7	233	55	23	11	2011	227

4.10.3.5 Arctic skua

Raw counts - pairs								
1986	1993	2001	2006	2007	2008	2009	2010	2011
115	107	78	105	68	37	65	70	29

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	9	54	19	36	5	5	7	65	25	39	11	2011	29

4.10.3.6 Lesser Black-Backed Gull

Raw counts - pairs			
1986	1991	2001	2011
22	20	15	5

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	16	8	49	4	26	2	10	7	71	11	2011	5

4.10.3.7 Kittiwake

Raw counts - pairs							
1986	1988	1992	1997	2000	2001	2005	2011
19072	19340	18159	11650	8175	8204	5399	1438

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	8	6973	3806	55	5	15	4	5804	3194	55	12	2011	1438

4.10.3.8 Arctic tern

Raw counts - pairs																				
1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
0	0	0	0	0	0	0	0	0	0	0	2	2	1	5	4	8	83	211	345	283
1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2011
400	650	1100	808	615	1200	1250	1730	1249	562	1254	2836	115	80	11	47	818	208	0	283	9

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1969	42	264	334	127	5	6	11	515	867	168	12	2011	9

4.10.3.9 Guillemot

Raw counts - individuals						
1986	1987	1989	1994	1999	2005	2010
33596	32437	32321	37563	39257	27320	19501

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	7	31192	8040	26	5	22	3	28693	9949	35	12	2010	19501

4.10.3.10 Razorbill

Raw counts - individuals						
1986	1988	1993	1998	2000	2005	2010
3950	3053	3205	3296	3599	3421	1365

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	7	2977	913	31	5	18	3	2795	1242	44	11	2010	1365

4.10.3.11 Atlantic Puffin

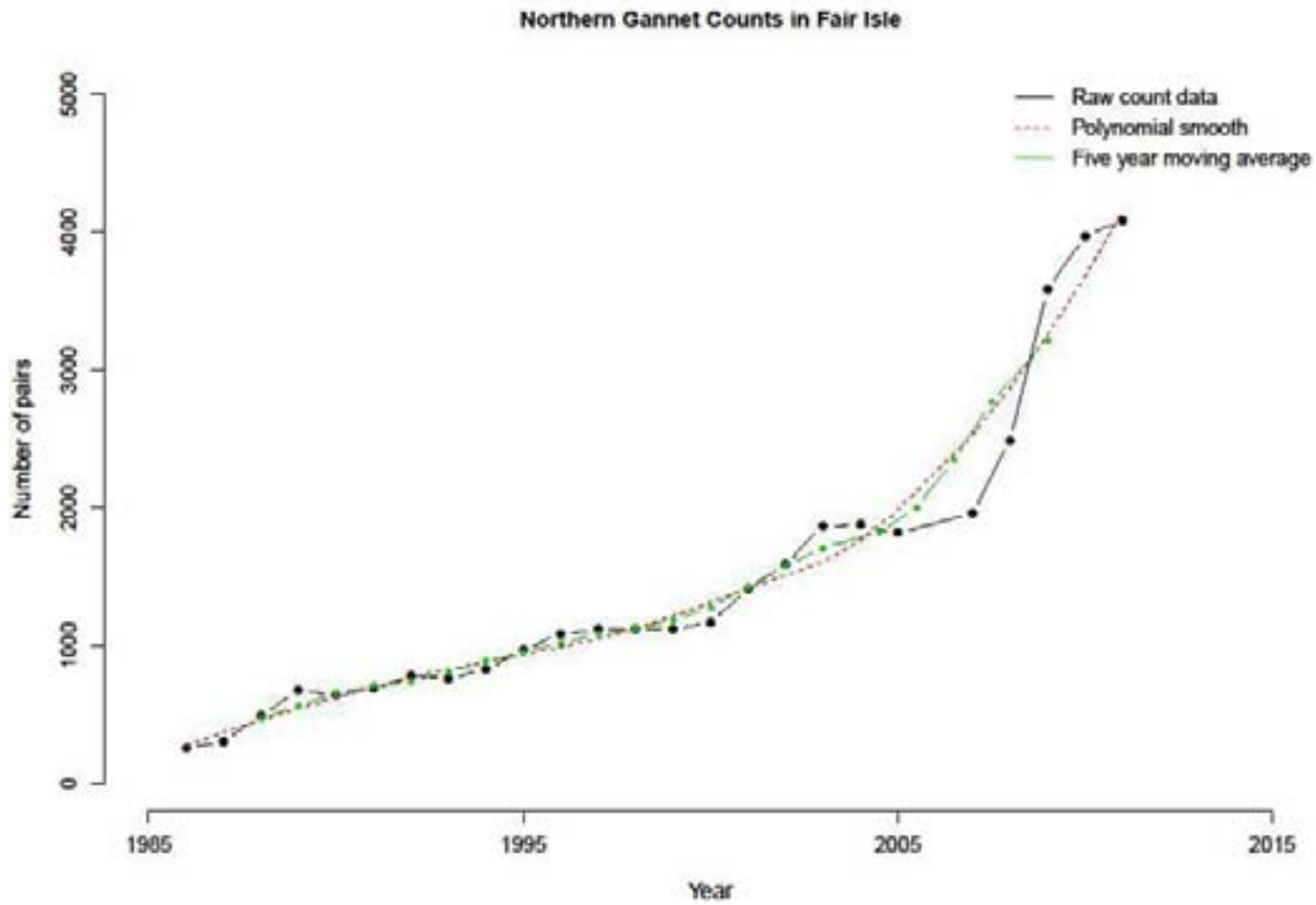
Note – data collection methods differ between 2000/2001 and 2007/2009. Therefore counts are not comparable.

Raw counts - individuals						
1986	1989	1995	2000	2001	2007	2009
20244	42500	42000	80000	54000	16700	7278

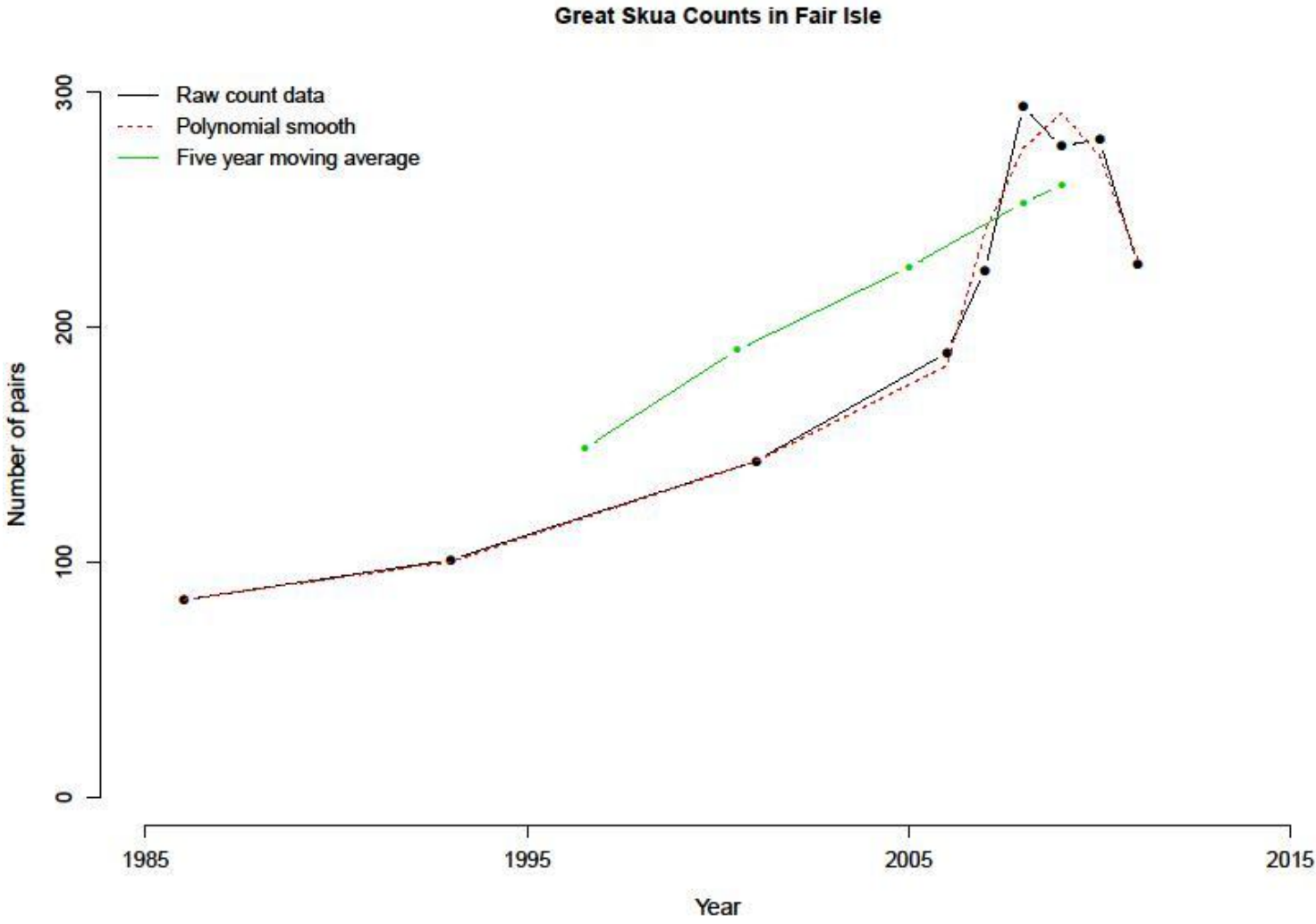
Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	7	39996	29213	73	5	15	4	39495	33708	85	10	2009	7278

4.10.4 Trend summary for species with sufficient data at Fair Isle SPA

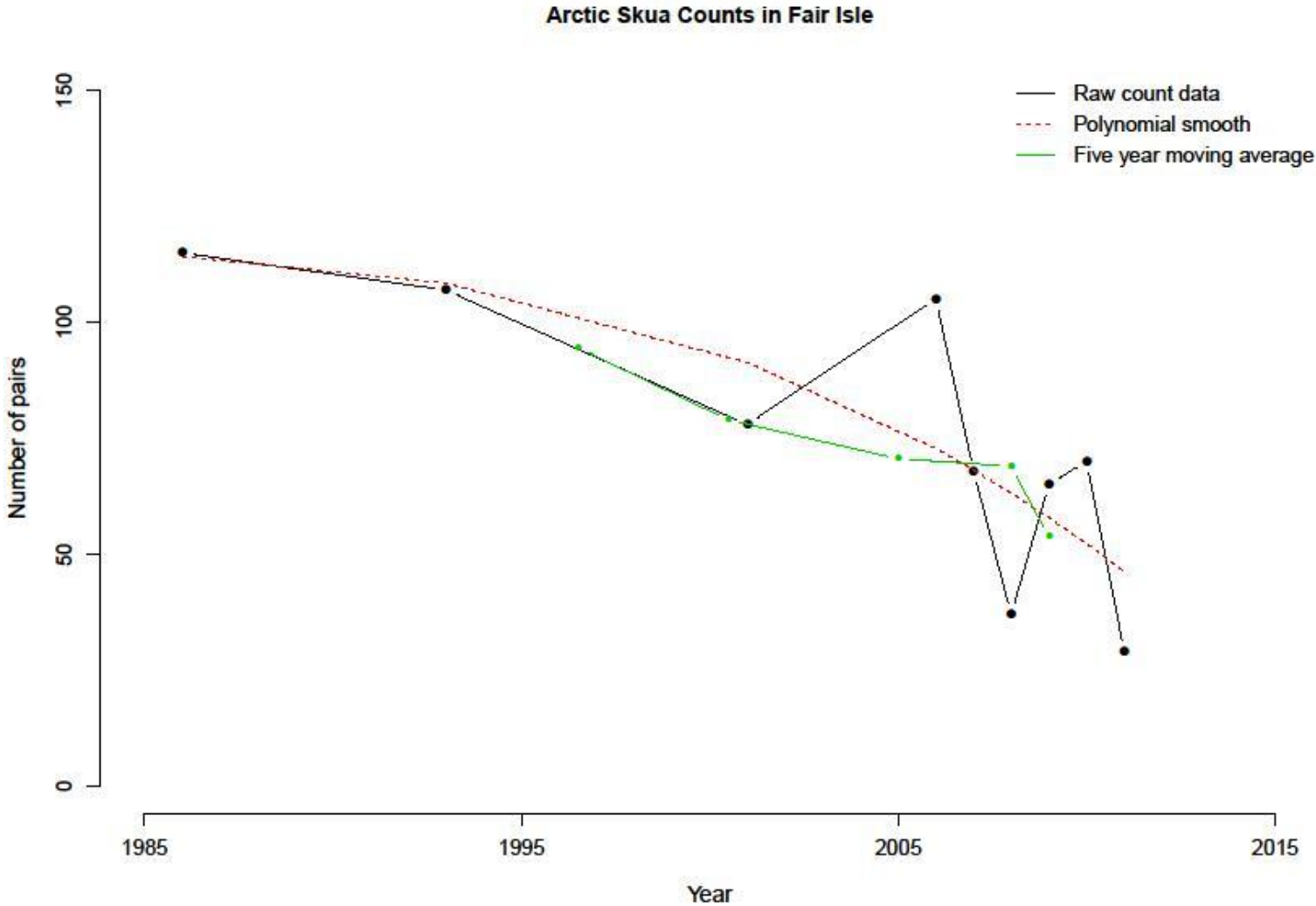
4.10.4.1 Northern gannet



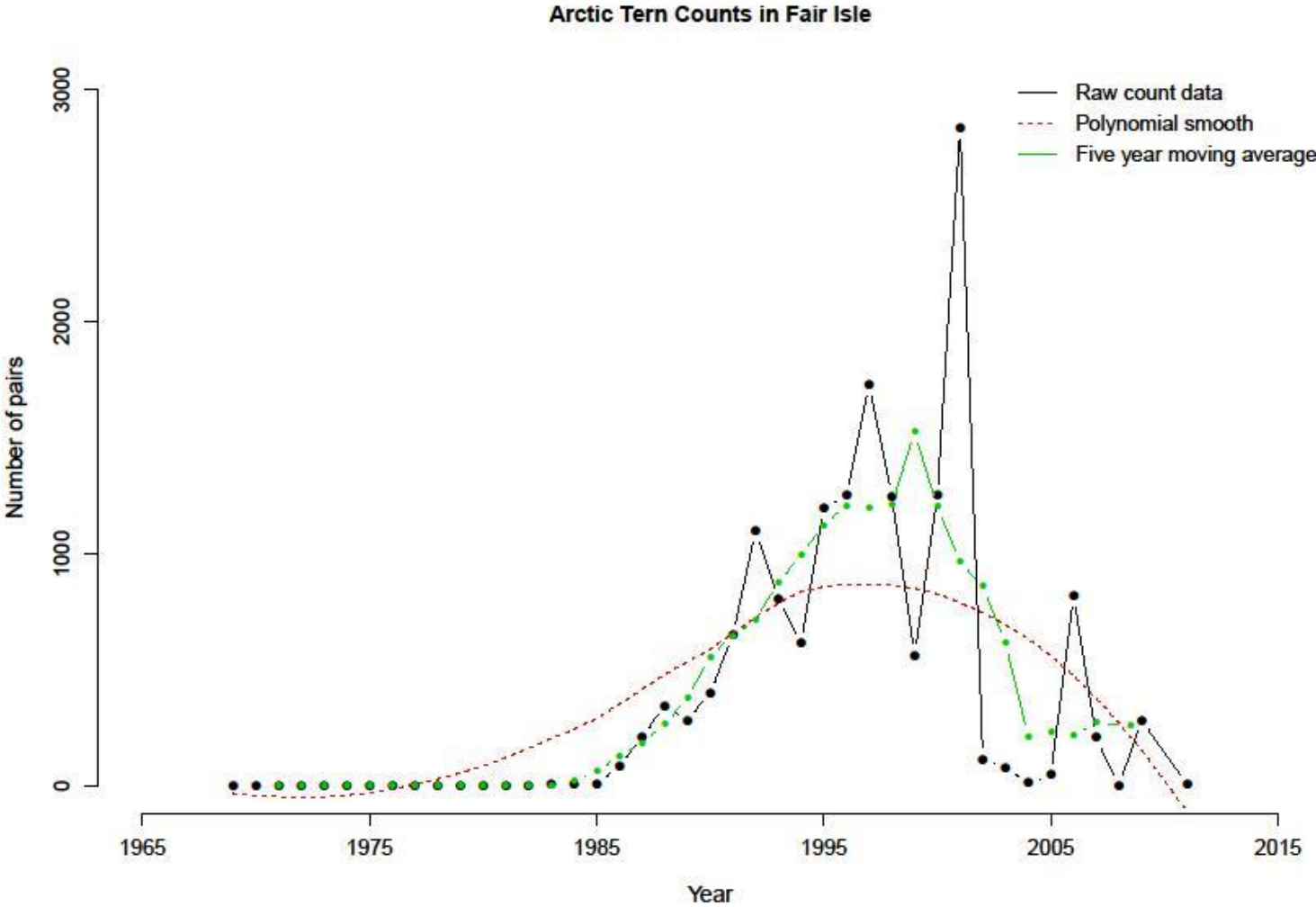
4.10.4.2 Great skua



4.10.4.3 Arctic skua



4.10.4.4 Arctic tern



4.11 Fetlar SPA – EU code UK9002031

The island of Fetlar is located in north east Shetland, at latitude 60 36 35 N, longitude 00 51 20 W. The area covers 2594.91 ha, comprising a variety of habitats suitable for breeding seabirds.

4.11.1 Citation details

Date of classification – 29/03/1994

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic tern	Breeding	National importance	520 pairs (3 year mean – 1994-1997)	1.2% of GB breeding population

4.11.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site AE, 14 F., 43 NX, AC, S2K data 2001				
Fulmar	0.23	0.25	unclear	
Great skua	1	0.25	unclear	
Arctic skua	1	0.09	unclear	
Arctic tern	1	1	decrease	very high

4.11.3 Fetlar SPA features summary

4.11.3.1 Fulmar

Count sites Daaey and Urie Lingay have been omitted from the tables below as no data were available for them.

Site	Raw counts - pairs				
	1986	1999	2000	2001	2002
Big Holm to Moo Wick		844			
Corbie Head to Brough Slipway		101			
East Neap			1436		
Funzie Bay to Wick of Aith		979			
Head of Hosta to the Tind					569
Horn of Rams Ness to Rams Ness		11			
HU610870	12				
Klifts to Big Holm		2142			
Mongirsdale			443		
Moo Wick to Horn of Rams Ness		627			
Rams Ness to Corbie Head		797			
Strandburgh Ness	119				839
Uriesetter			4		
Wick of Gruting			122		

Site	Year of first available count	Years of data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Big Holm to Moo Wick	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	844
Corbie Head to Brough Slipway	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	101
East Neap	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1436
Funzie Bay to Wick of Aith	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	979
Head of Hosta to the Tind	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	569
Horn of Rams Ness to Rams Ness	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	11
HU610870	1986	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1986	12
Kliffts to Big Holm	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2142
Mongirsdale	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	443
Moo Wick to Horn of Rams Ness	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	627
Rams Ness to Corbie Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	797
Strandburgh Ness	1986	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1986	119
Uriesetter	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	4
Wick of Gruting	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	122

4.11.3.2 Great skua

Site	Raw counts - pairs			
	1985	1986	2000	2001
Fetlar RSPB				2
HU580910				23
HU580920				6
HU580930				9
HU590880				6
HU590890				38
HU590900				37
HU590910				10
HU590920				4
HU590930		48		1
HU600870				16
HU600880				54
HU600890				54
HU600920				1
HU610870				30
HU610890				4
HU610920				1
HU610930				14
HU610940				14
HU620870				1
HU620880				1
HU620920				5
HU620930				32

Site	Raw counts - pairs			
	1985	1986	2000	2001
HU620940				29
HU630910				9
HU630920				17
HU630930		101		63
HU630940				5
HU640890				3
HU640910				2
HU640920				10
HU640930				10
HU640940			0	
HU650880				2
HU650890				1
HU660880				1
HU660890				3
HU660920				3
HU660930			0	
HU670900				1
HU670910				15
HU670920				1
Lamb Hoga	139			55

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Fetlar RSPB	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU580910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	23
HU580920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	6
HU580930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	9
HU590880	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	6
HU590890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	38
HU590900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	37
HU590910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	10
HU590920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	4
HU590930	1986	2	25	33	136	2	16	1	NA	NA	NA	1	2001	1
HU600870	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	16
HU600880	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	54
HU600890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	54
HU600920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU610870	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	30
HU610890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	4
HU610920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU610930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	14
HU610940	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	14
HU620870	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU620880	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU620920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	5
HU620930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	32

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
HU620940	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	29
HU630910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	9
HU630920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	17
HU630930	1986	2	82	27	33	2	16	1	NA	NA	NA	1	2001	63
HU630940	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	5
HU640890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	3
HU640910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU640920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	10
HU640930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	10
HU640940	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	0
HU650880	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU650890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU660880	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU660890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	3
HU660920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	3
HU660930	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	0
HU670900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU670910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	15
HU670920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
Lamb Hoga	1985	2	97	59	61	2	17	1	NA	NA	NA	1	2001	55

4.11.3.3 Arctic skua

Site	Raw counts - pairs				
	1985	1986	2001	2009	2010
Fetlar RSPB			10	1	2
HU570930			1		
HU580920			1		
HU580930			1		
HU590900			2		
HU590910			1		
HU590930		20	2		
HU600890			2		
HU610910			6		
HU610920			2		
HU610930			2		
HU620910			4		
HU620920			12		
HU620930			9		
HU620940			4		
HU630900			3		

Site	Raw counts - pairs				
	1985	1986	2001	2009	2010
HU630910			9		
HU630920			5		
HU630930		118	1		
HU640890			1		
HU640900			1		
HU640910			1		
HU650890			4		
HU650900			4		
HU660890			1		
HU660900			2		
HU660920			3		
HU670900			0		
Lamb Hoga	46		2		
Total (sum of counts)			96		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Fetlar RSPB	2001	3	4	5	114	3	10	3	4	5	114	10	2010	2
HU570930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU580920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU580930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU590900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU590910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU590930	1986	2	11	13	116	2	16	1	NA	NA	NA	1	1986	20
HU600890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU610910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	6
HU610920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU610930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU620910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	4
HU620920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	12
HU620930	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	9
HU620940	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	4
HU630900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	3
HU630910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	9
HU630920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	5
HU630930	1986	2	60	83	139	2	16	1	NA	NA	NA	1	1986	118
HU640890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU640900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
HU640910	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU650890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	4
HU650900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	4
HU660890	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1
HU660900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	2
HU660920	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	3
HU670900	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	0
Lamb Hoga	1985	2	24	31	130	2	17	1	NA	NA	NA	1	2001	2
Total (sum of counts)	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	96

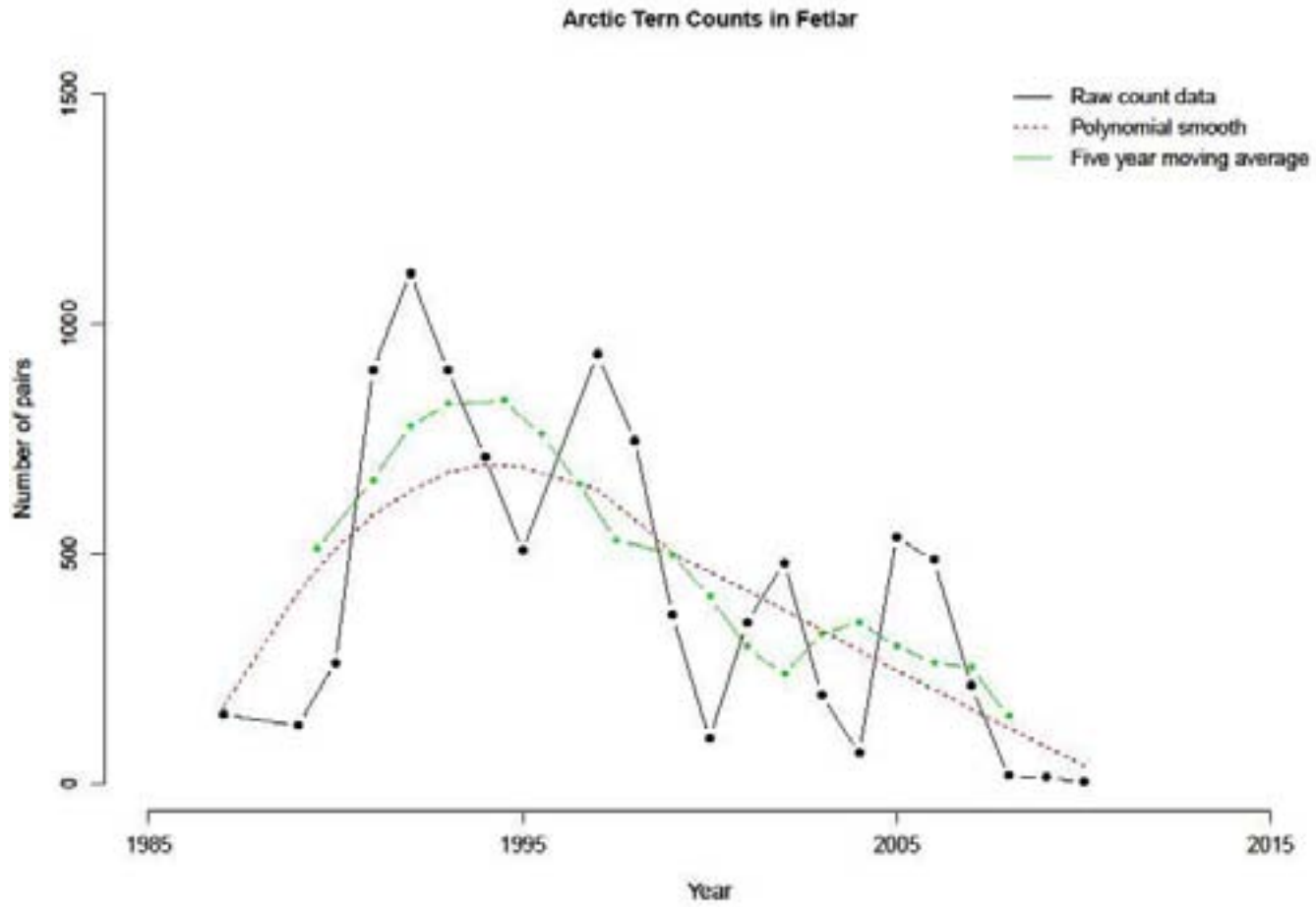
4.11.3.4 Arctic tern

Raw counts - pairs																					
1987	1989	1990	1991	1992	1993	1994	1995	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
150	127	263	900	1110	900	711	506	934	747	368	97	350	480	192	67	537	486	213	16	14	2

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Fetlar RSPB	1987	22	146	209	143	5	5	11	223	207	93	11	2010	2

4.11.4 Trend summary for species with sufficient data at Fetlar SPA

4.11.4.1 Arctic tern



4.12 Firth of Forth Islands SPA – EU code UK9004171

The Firth of Forth Islands SPA is located in the eastern part of the Firth of Forth, at latitude 56 11 10 N, longitude 02 33 20 N. The SPA covers 105.06 ha, and comprises island and cliff habitats suitable for a variety of cliff nesting species and smaller islands for breeding gulls and terns.

4.12.1 Citation details

Date of classification – 25/04/1990

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Northern Gannet	Breeding	International importance	34400 pairs (count as at 1994)	13.1% of North Atlantic breeding population
Great Cormorant	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Shag	Breeding	International importance	2887 pairs (count as at 1997)	2.3% of Northern European breeding population
Herring gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Lesser black-backed gull	Breeding	International importance	2920 pairs (count as at 1994)	2.4% of Western Europe, Mediterranean and West African population
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Common tern	Breeding	National importance	800 pairs	6.5% of GB breeding population
Arctic tern	Breeding	National importance	540 pairs (mean 1992-1996)	1.2% of GB breeding population
Roseate tern	Breeding	National importance	9 pairs (5 year mean – 1994-1998)	15.0% of GB breeding population

Sandwich tern	Breeding	National importance	22 pairs (5 year mean – 1993-1997)	0.2% of GB breeding population
Atlantic Puffin	Breeding	International importance	21000 pairs (count as at 1992)	2.3% of European breeding population
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.12.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
6 count sites, S2K data 1999				
Fulmar	1	1	unclear	
Northern Gannet	1	0.25	increase	mod
Great Cormorant	0.73	1	decrease	high
Shag	1	1	stable	very high
Herring gull	0.61	1	stable	high
Lesser black-backed gull	0.63	1	increase	high
Kittiwake	1	1	decrease	very high
Common tern	0.5	1	stable	mod
Arctic tern	0.39	1	decrease	mod
Roseate tern	0.39	1		mod
Sandwich tern	0.91	1	decrease	very high
Atlantic Puffin	0.6	1	unclear	
Guillemot	0.98	1	decrease	very high
Razorbill	1	1	stable	very high

4.12.3 Forth Islands SPA features summary

4.12.3.1 Fulmar

Site	Raw counts - pairs																									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock	75	91		102					84		166	170		48	68	53	33	119	40	45	46	48	43	44	39	430
Craigeith	140	111	124	172	138	162	141	182	165	203	184	205		128	144	185	196	168	136	62	157	106	86	147	113	174
Fidra	160	91	140	168	171	177	191	267	243	303	331	252	217	221	154	179	206	194	204	127	176	203	160	204	234	182
Inchmickery	9	12	14		2			30	25	34	32	35	32	38	30	16	37	35	24	41	41	32	33	30	25	
Isle of May	150			212	198	221	266	266	279	296	308	382	365	312	367	369	338	248	236	276	298	281	293	358	381	306
The Lamb	2	4	4	4	3	2	3	6	2	8	14	9		12	5	7	18	9	7	4	7	9	7	14	40	13
Forth Islands - whole colony																			1364	1189	1551	1384	1159			
Total (sum of counts)	536								798		1035	1053		759	768	809	828	773	647	555	725	679	622	797	832	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1986	19	121	173	143	5	5	12	84	111	132	12	2011	430
Craigeleith	1986	25	125	35	28	5	5	12	140	41	29	12	2011	174
Fidra	1986	26	197	28	14	5	5	12	185	29	15	12	2011	182
Inchmickery	1986	22	32	6	18	5	5	11	31	8	24	11	2010	25
Isle of May	1986	24	324	43	13	5	5	12	313	49	16	12	2011	306
The Lamb	1986	25	17	13	81	5	5	12	12	10	84	12	2011	13
Forth Islands - whole colony	2004	5	1329	160	12	5	5	5	1329	160	12	5	2008	1159
Total (sum of counts)	1986	16	731	85	12	5	5	11	730	93	13	11	2010	832

4.12.3.2 Northern gannet

The 1999 figure is an extrapolated estimate based on previous colony specific trends.

Site	Raw counts - pairs				
	1985	1995	1999	2004	2009
Bass Rock	21591	34397	44110	48065	55482

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1985	5	40729	13127	32	5	25	3	49219	5773	12	10	2009	55482

4.12.3.3 Great cormorant

Site	Raw counts - pairs																									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock																	0	0	0	0		0				
Craigeith	94	109	85	131	116	83	89	45	108	82	78	130		56	85	78	78	72	85	112	109	79	41	50	50	60
Inchmickery															0	5	0	0	0	0		0				
The Lamb	104	83	57	91	80	207	186	52	131	179	137	135	125	134	133	90	101	95	96	55	62	106	73	52	41	72
Forth Islands - whole colony																			400	303	347	335	259			
Total (sum of counts)*	198	192	142	222	196	290	275	97	239	261	215	265	125	190	218	168	179	167	181	167	181	185	114	102	92	132

*Total is sum of Craigeith and The Lamb

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	2002	5	0	0	NA	5	6	5	0	0	NA	6	2007	0
Craigeith	1986	25	56	15	26	5	5	12	75	22	30	12	2011	60
Inchmickery	2000	7	0	0	NA	5	6	7	1	2	264	8	2007	0
The Lamb	1986	26	69	25	36	5	5	12	81	27	33	12	2011	72
Forth Islands - whole colony	2004	5	329	52	16	5	5	5	329	52	16	5	2008	259
Total (sum of counts)	1986	26	125	37	30	5	5	12	156	38	24	12	2011	132

4.12.3.4 Shag

Site	Raw counts - pairs																									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock	75	162		111	121			20	13		47	41		30	28	39	25	24	46	18	36	28	22	15	16	25
Craigleith	388	465	435	544	522	646	665	155	106	171	159	180		131	208	237	233	197	324	131	118	199	133	200	207	281
Fidra	67	64	86	124	116	242	255	88	73	84	81	107	86	61	123	139	186	254	272	115	198	169	146	159	204	191
Inchmickery	24	24			28			28	10	20	18	28	25	33	32	41	52	70	78	52	57	57	68	54	55	
Isle of May	1310	1916	1290	1703	1386	1487	1634	715	403	503	512	502	621	259	541	734	676	968	687	281	485	399	427	465	492	505
The Lamb	301		250	286	290	305	318	65	36	81	77	65		76	46	99	102	124	111	49	65	73	97	75	114	66
Forth Islands - whole colony																			1690	825	1146	1133	1061			
Total (sum of counts)	2165				2463			1071	641		894	923		590	978	1289	1274	1637	1518	646	959	925	893	968	1088	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1986	21	21	6	27	5	5	12	27	9	35	12	2011	25
Craigeith	1986	25	204	52	26	5	5	12	206	60	29	12	2011	281
Fidra	1986	26	174	24	14	5	5	12	180	48	27	12	2011	191
Inchmickery	1986	21	58	6	10	5	5	11	56	13	23	11	2010	55
Isle of May	1986	26	458	44	10	5	5	12	555	183	33	12	2011	505
The Lamb	1986	24	85	20	23	5	5	12	85	26	31	12	2011	66
Forth Islands - whole colony	2004	5	1171	318	27	5	5	5	1171	318	27	5	2008	1061
Total (sum of counts)	1986	18	967	74	8	5	5	11	1107	293	27	11	2010	1088

4.12.3.5 Herring gull

Site	Raw counts - pairs																									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	
Bass Rock	500	325			225			140	230		240	268			210		87	50	169							
Craigeith	1000	2280							2385					1146			823									
Fidra		410	572						1149		1401	1289	1540	1399	1716	840	1296	900	1035	957	917					
Inchmickery	140	50	81					196	108	141	196	148		242	231	395	371	413	313	319	257	341	120	205		
Isle of May	1943	2117	1711	1629	1551	1447	1462	2059	2122	2554	2969	2856	2607	3115	3067	2845	2367	2559	2428	2094	2916	2854	2962		3211	
The Lamb		220						270	130				60	132	36	117	82	32	38	27	51					
Forth Islands - whole colony																			4214	3624	4354	2999	3223			
Total (sum of counts)		5402							6124								5026									

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1986	11	157	89	57	5	8	4	129	73	57	5	2004	169
Craigeith	1986	5	1527	745	49	5	17	2	985	228	23	4	2002	823
Fidra	1987	14	1021	162	16	5	5	7	1094	312	28	7	2006	917
Inchmickery	1986	19	248	89	36	5	5	10	297	92	31	1	2009	205
Isle of May	1986	24	2807	421	15	5	6	10	2730	353	13	11	2010	3211
The Lamb	1987	12	46	22	48	5	5	7	55	33	60	7	2006	51
Forth Islands - whole colony	2004	5	3683	595	16	5	5	5	3683	595	16	5	2008	3223
Total (sum of counts)	1987	3	5517	558	10	3	15	1	NA	NA	NA	1	2002	5026

4.12.3.6 Lesser black-backed gull

Site	Raw counts - pairs																									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock	50	30			22			40	60		60	34			25		1		4						1	2
Craigeith	380	930							934					135			647									
Fidra		140	120						492		467	501	660	599	179	51	79	300	90	131	162					
Inchmickery		60							108	141	196	147		242	230	91	86	135	134	109	135	227	165	289		
Isle of May	682	520	563	643	618	788	751	1259	1270	1635	1641	1540	1533	1519	1442	1203	1198	1253	1221	1320	1884	1665	1944		2348	
The Lamb		10			5					55				60	88	3	3	2	0	0	0	9				
Total (sum of counts)		1690							2919									2013								

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1986	12	7	10	157	5	12	5	7	10	157	12	2011	2
Craigeith	1986	5	605	349	58	5	17	1	NA	NA	NA	1	2002	647
Fidra	1987	14	152	89	58	5	5	7	142	83	59	7	2006	162
Inchmickery	1987	16	185	73	39	5	5	10	160	67	42	10	2009	289
Isle of May	1986	24	1832	378	21	5	6	10	1548	398	26	11	2010	2348
The Lamb	1987	12	2	4	177	5	5	7	2	3	132	7	2006	9
Total (sum of counts)	1987	3	2207	637	29	3	16	1	NA	NA	NA	1	2002	2013

4.12.3.7 Kittiwake

Site	Raw counts - pairs																									
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock		2400									2142	3044		1307	1000	670	774	910	660	563	505	377	323	425	440	313
Craigleith	725		770	840	850	225		1028	564	951	509	714		511	539	440	383	450	501	492	444	508	513	594	600	542
Fidra	532	726	610	705	598	494	489	452	330	435	314	298	243	225	343	243	315	273	217	257	275	244	222	237	232	204
Inchmickey																	0	0	0	0		0				
Isle of May	4801	6765	7638	7564	8129	6535	6916	7009	3751	7603	6269	6518	4306	4196	4618	3639	3666	3335	3876	3790	3167	3424	3354	2316	3422	2685
The Lamb	167	214	175	250	187	106	223	84	160	210	143	119		115	132	117	139	124	126	94	202	96	110	82	133	140
Forth Islands - whole colony																				5803	5591	4961	5164	4962		
Total (sum of counts)*											9377	10693		6354	6632	5109	5277	5092		5196	4593	4649	4522	3654	4827	3884

*We have not considered counts at Inchmickey to be required for complete counts for kittiwake as no birds have ever been recorded here

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1987	16	376	58	15	5	5	12	580	227	39	12	2011	313
Craigeith	1986	23	551	44	8	5	5	12	501	64	13	12	2011	542
Fidra	1986	26	228	16	7	5	5	12	255	41	16	12	2011	204
Inchmickery	2002	5	0	0	0	5	6	5	0	0	0	6	2007	0
Isle of May	1986	26	3040	510	17	5	5	12	3441	581	17	12	2011	2685
The Lamb	1986	25	112	24	22	5	5	12	125	31	25	12	2011	140
Forth Islands - whole colony	2004	5	5296	383	7	5	5	5	5296	383	7	5	2008	4962
Total (sum of counts)	1996	15	4307	510	12	5	5	12	4901	765	16	12	2011	3884

4.12.3.8 Sandwich tern

Site	Raw counts - pairs																				
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Fidra	60	201	310	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Inchmickery	46	50	2	250	341	450	657	566	580	561	604	424	475	478	474	407	442	416	656	383	272
Isle of May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Long Craig	0	0	0	0	0	0	0	0	0	0	0	0	7	6	6	6	4	0	6	0	0
Total (sum of counts)	106	251	312	250	341	450	657	566	580	561	604	424	482	484	480	413	446	416	662	383	272

Site	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2010
Fidra	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
Inchmickery	418	473	122	9	98	1	0	0	0	0	0	0	0	0	0	0	0	0		0
Isle of May	0	0	0	0	0	0	0	0	2	110	300	500	0	58	151	3	0	0	1	0
Long Craig	0	1	40	200	31	4	2	0	0	16	0	0	0	0	0	3	0	0		
Total (sum of counts)	418	474	162	209	129	5	2	0	2	126	300	500	0	58	151	6	0			

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Fidra	1969	38	0	0	NA	5	5	7	0	0	NA	7	2006	0
Inchmickery	1969	40	0	0	NA	5	7	9	0	0	NA	11	2010	0
Isle of May	1969	41	1	1	163	5	6	10	101	171	169	11	2010	0
Long Craig	1969	39	1	1	2	5	5	8	0	1	283	8	2007	0
Total (sum of counts)	1969	38	43	65	151	5	5	7	145	191	132	7	2006	0

4.12.3.9 Common tern

Site	Raw counts - pairs																					
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Bass Rock																						
Fidra	175	250	310	100	20	0	0	0	0	0	0	0	50	22	30	30	20	26	0			0
Inchmickery	100	150	0	500	777	750	727	635	548	429	500	533	175	415	357	216	247	202	210	146	182	172
Isle of May	0	0	0	0	0	0	0	0	0	0	1	1	4	14	29	36	80	22	68	50	60	190
Long Craig										15		60	60	45	40	40	60		60	45		70
Total (sum of counts)*										444		594	289	496	456	322	407		338			432

Site	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock																	0				
Fidra	0	0	0	13	0	0														0	
Inchmickery	126	98	91	92	11	15	0	9	0	0	0	0	0	0	0	0	0	0		0	
Isle of May	195	94	143	148	181	248	338	127	415	303	132	2	60	62	65	99	83	101	89	17	26
Long Craig	145	110	80	48	76	80	69	63	118	75	14	55	126	171	120	92	172	95		0	
Forth Islands - whole colony														238	195	198	83	197			
Total (sum of counts)*	466	302	314	288	268	343														17	

*We have not considered counts at Bass Rock to be required for complete counts for common tern as no birds have ever been recorded here

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	0
Fidra	1969	27	3	6	224	5	18	1	NA	NA	NA	1	2010	0
Inchmickery	1969	41	0	0	NA	5	6	10	0	0	0	11	2010	0
Isle of May	1969	43	63	39	61	5	5	12	87	78	90	12	2011	26
Long Craig	1978	28	96	62	65	5	6	10	92	58	64	11	2010	0
Forth Islands - whole colony	2004	5	182	58	32	5	5	5	182	58	32	5	2008	197
Total (sum of counts)	1978	16	246	131	53	5	18	1	NA	NA	NA	1	2010	17

4.12.3.10 Arctic tern

Site	Raw data - pairs																					
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Bass Rock																						
Fidra	25	50	25	20		0	0	0	0	0	0	0	2	15	14	1	2	4	0			
Inchmickery															475			23	20	21	5	
Isle of May	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	19	87	128	112	200	250	285
Total (sum of counts)*															489			155	132			

Site	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock																	0				
Fidra		0		0																0	
Inchmickery	0		0	0	0	0		0	0	0	0	0					0			0	
Isle of May	435	475	545	540	608	531	630	451	737	908	916	228	577	666	609	515	525	511	316	34	250
Forth Islands - whole colony														666	609	515	525				
Total (sum of counts)*																					

*We have not considered counts at Bass Rock to be required for complete counts for arctic tern as no birds have ever been recorded here

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	0
Fidra	1969	21	1	2	224	5	25	1	NA	NA	NA	1	2010	0
Inchmickery	1983	17	0	0	NA	5	11	5	0	0	0	10	2010	0
Isle of May	1969	43	327	203	62	5	5	12	505	265	53	12	2011	205
Forth Islands - whole colony	2004	4	579	72	12	4	4	4	579	72	12	4	2007	525
Total (sum of counts)	1983	3	259	200	77	3	5	0	NA	NA	NA	NA	1987	132

4.12.3.11 Guillemot

Site	Raw counts - individuals																	
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002
Bass Rock			2700									3225	4172		2422	3570	3650	2960
Craigeith		1962		1450	1700	1550			1416	1940	2122	1877	789		1708	2878	3180	1558
Fidra		176	79	131	145	89	197	245	207	304	289	258	269	321	376	643	682	611
Isle of May	18387	19151	17546	16791	18328	16778	16834	17512	17919	19186	25754	24468	26711	26963	21694	27045	28103	25009
The Lamb		2750	860	2400	3600	2400	2400	3250	3300	3200	3170	3650	4400	3200	3760	2523	2180	990
Total (sum of counts)												33478	36341		29960	36659	37795	31128

Site	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock	2820	2260	1860	3230	1120	1600	2550	1600	2000
Craigeith	2119	1780	1452	1672	1150	1537	1805	1107	1705
Fidra	595	566	701	458	588	403	524	517	332
Isle of May	27052	22970	22667	21144	16770	17157	16888	18096	15691
The Lamb	1987	1744	1578	1745	1395	2900	2200	2175	
Forth Islands - whole colony		29355	28277	28576	21039	23638			
Total (sum of counts)	34573	29320	28258	28249	21023	23597	23967	23495	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1987	19	1774	534	30	5	5	12	2435	826	34	12	2011	2000
Craigeith	1986	22	1461	318	22	5	5	12	1829	628	34	12	2011	1705
Fidra	1986	26	473	103	22	5	5	12	552	111	20	12	2011	332
Isle of May	1985	27	16920	862	5	5	5	12	21549	4562	21	12	2011	15691
The Lamb	1986	25	2083	565	27	5	5	9	2165	742	34	12	2010	2175
Forth Islands - whole colony	2004	5	26177	3644	14	5	5	5	26177	3644	14	9	2008	23638
Total (sum of counts)	1996	14	24209	2995	12	5	5	5	24209	2995	12	11	2010	23495

4.12.3.12 Razorbill

Site	Raw counts - individuals															
	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Bass Rock		36	91									188	177		78	83
Craigeleith		40	92	88	93	60	80	46	61	76	108	73	84		125	200
Fidra		48	38	134	114	75	91	72	65	85	80	74	103	86	161	110
Isle of May	1825	1864	1887	2128	2613	2368	1633	2581	3022	3034	4248	3405	3478	3859	3786	3958
The Lamb		21	39	29	41	33	32	40	13	36	47	73	24		101	87
Total (sum of counts)		2009	2147									3813	3866		4251	4438

Site	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Bass Rock	137	193	89	158	198	169	119	85	70	63	94
Craigeleith	136	141	163	171	132	175	181	147	117	136	185
Fidra	89	119	88	101	69	123	128	95	127	123	108
Isle of May	4114	3050	3105	3313	4109	3811	3635	3464	3008	3234	3012
The Lamb	96	96	112	105	73	62	77	80	70	42	70
Forth Islands - whole colony				3271	5238	3562	2840	3174			
Total (sum of counts)	4572	3599	3557	3848	4581	4340	4140	3871	3392	3598	3469

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bass Rock	1986	17	86	22	26	5	5	12	122	48	40	12	2011	94
Craighleith	1986	25	153	29	19	5	5	12	157	26	16	12	2011	185
Fidra	1986	26	116	14	12	5	5	12	107	19	17	12	2011	108
Isle of May	1985	27	3271	277	8	5	5	12	3484	428	12	12	2011	3012
The Lamb	1986	25	68	15	22	5	5	12	81	20	24	12	2011	70
Forth Islands - whole colony	2004	5	3617	942	26	5	5	5	3617	942	26	5	2008	3174
Total (sum of counts)	1986	17	3694	309	8	5	5	12	3950	444	11	12	2011	3469

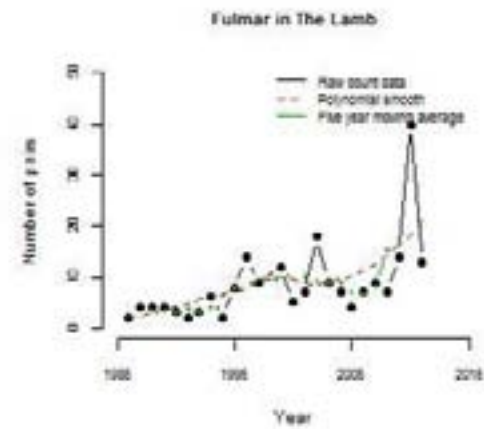
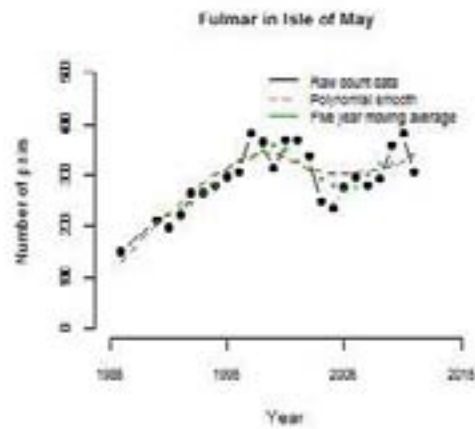
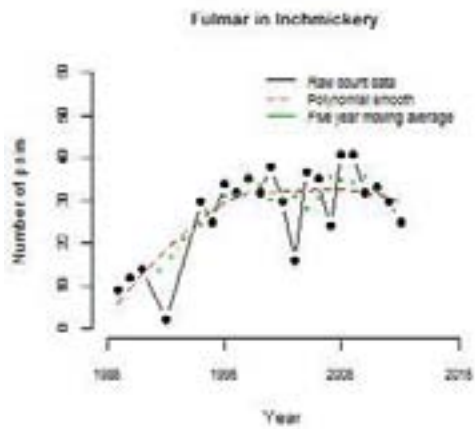
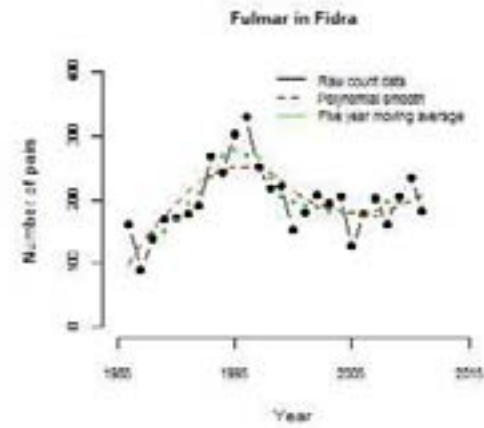
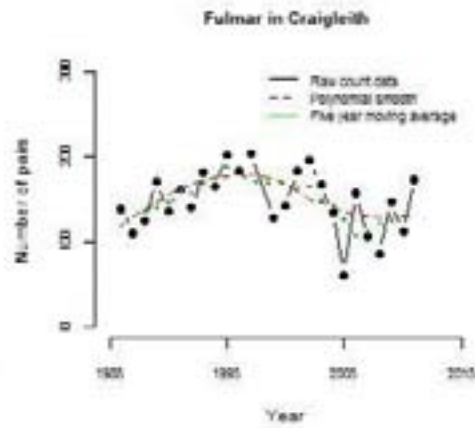
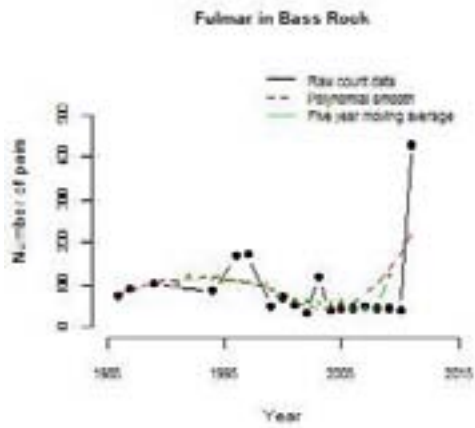
4.12.3.13 Atlantic Puffin

Site	Raw counts - burrows										
	1984	1986	1989	1992	1997	1998	1999	2003	2008	2009	2010
Craigeith							28000	12100		4500	
Fidra					594		405	1466		800	1200
Inchmickery						12			2		
Isle of May	12000		18628	20106		42000		69300		56867	
The Lamb		56									

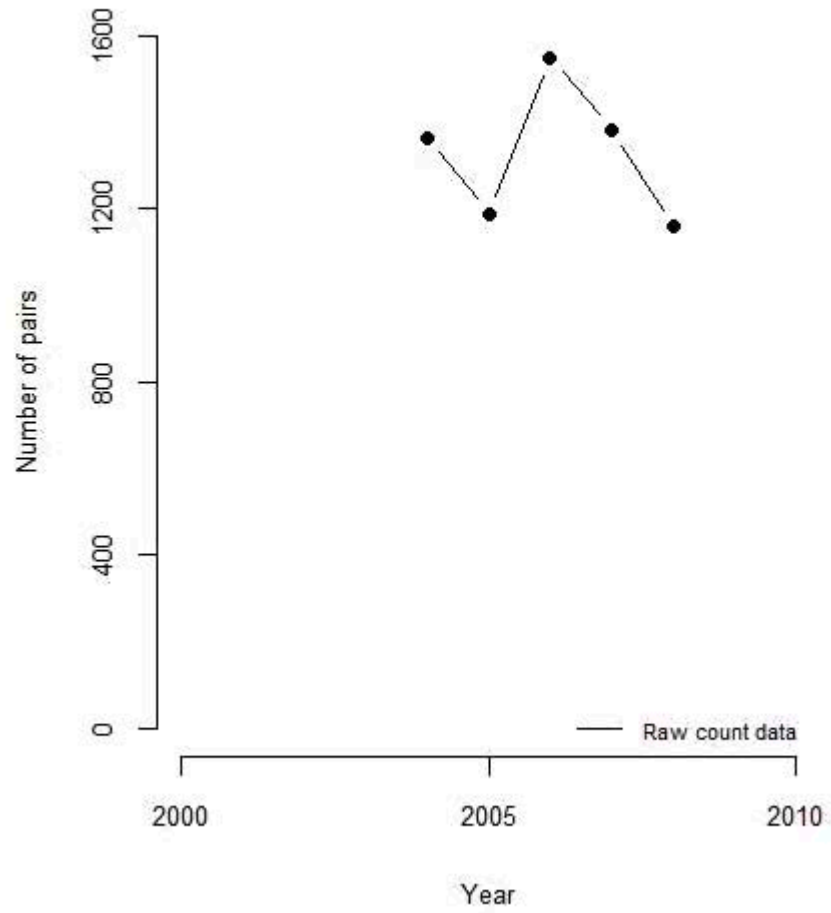
Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (burrows)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Craigeith	1999	3	14867	11992	81	3	11	3	14867	11992	81	11	2009	4500
Fidra	1997	5	893	436	49	5	14	4	968	464	48	12	2010	1200
Inchmickery	1998	2	7	7	101	2	11	2	7	7	101	11	2008	2
Isle of May	1984	6	41380	22305	54	5	21	3	56056	13668	24	12	2009	56867
The Lamb	1986	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1986	56

4.12.4 Trend summary for species with sufficient data at Forth Islands SPA

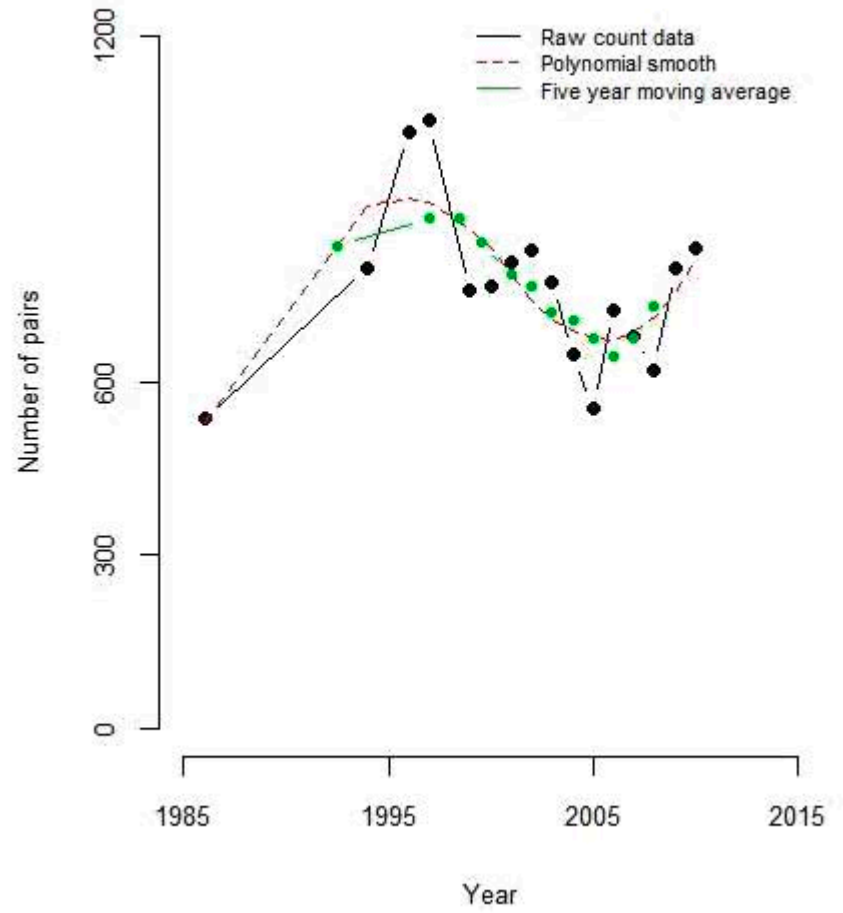
4.12.4.1 Fulmar



Fulmar in Forth Islands - Whole colony

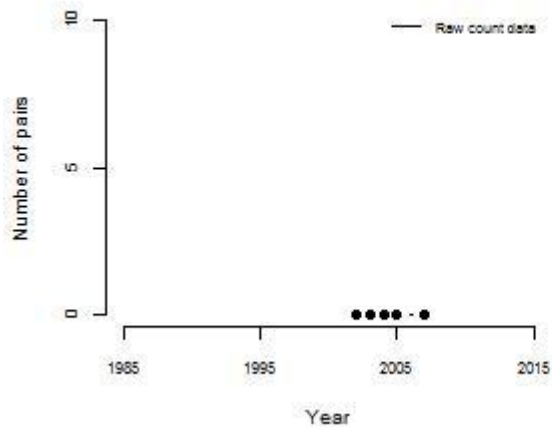


Fulmar in Forth Islands - Sum of Counts

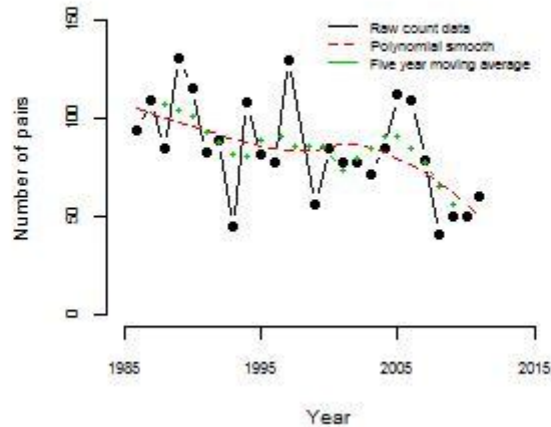


4.12.4.2 Great Cormorant

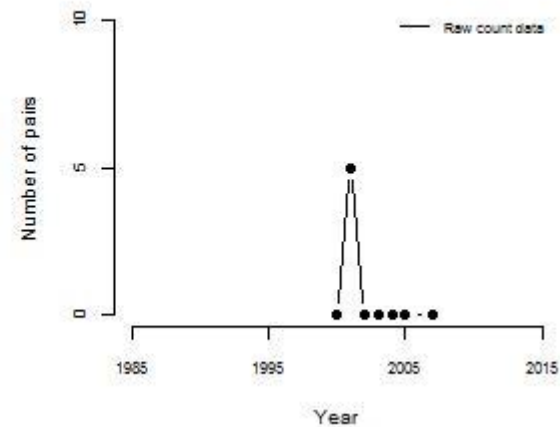
Great Cormorant in Bass Rock



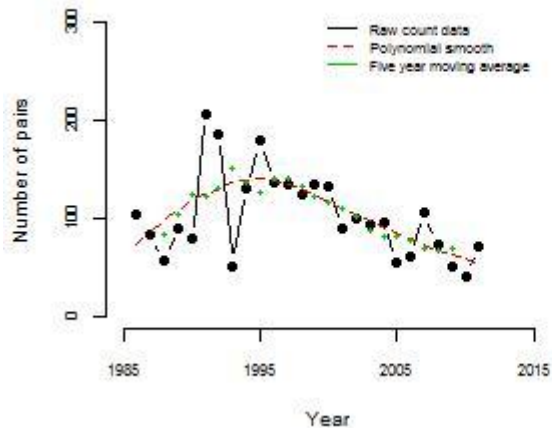
Great Cormorant in Craigeleith



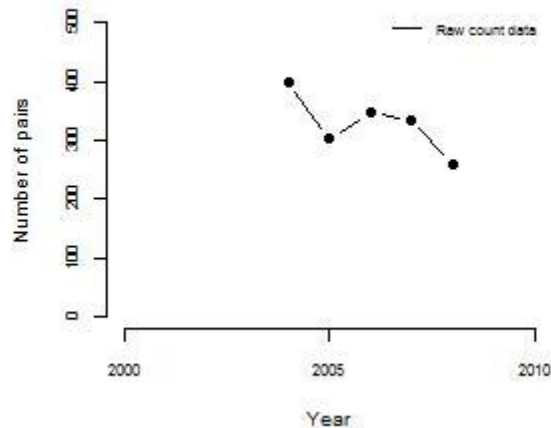
Great Cormorant in Inchmickery



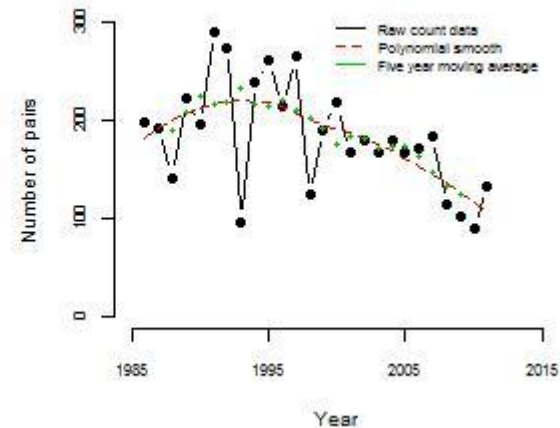
Great Cormorant in The Lamb



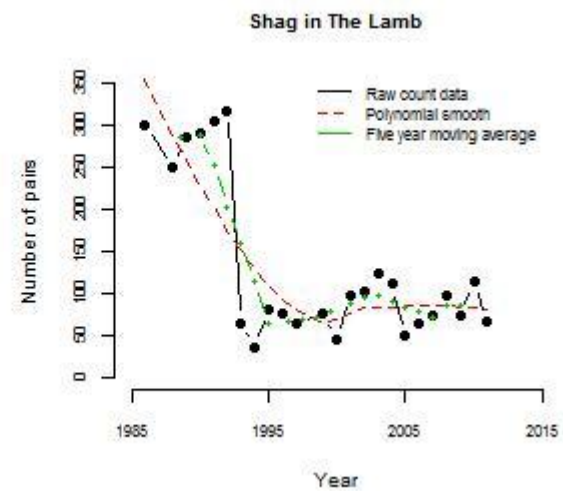
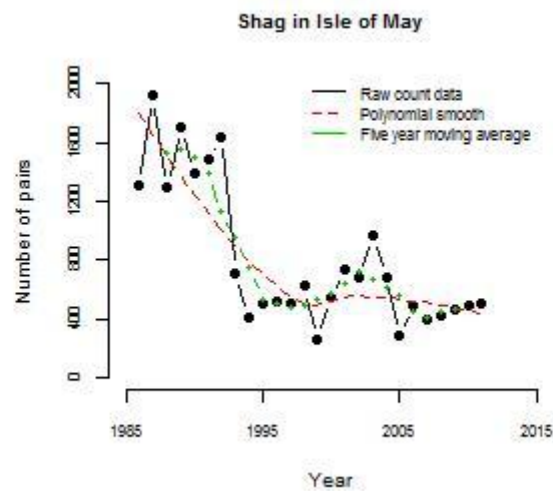
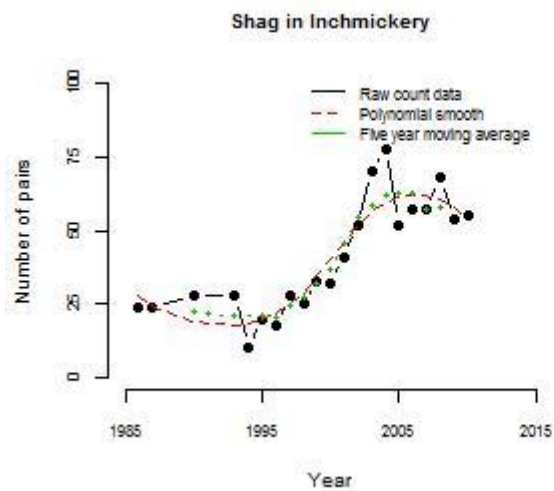
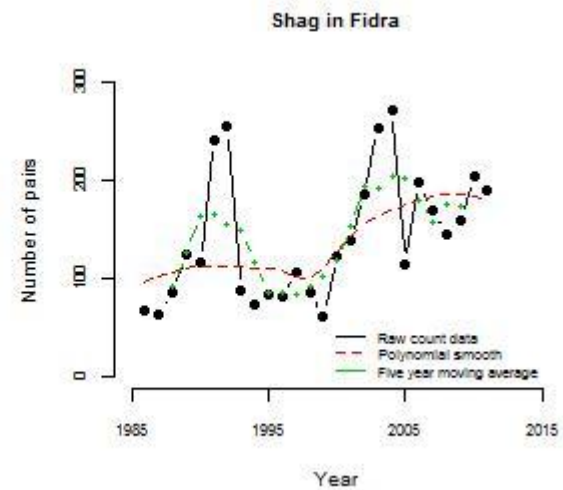
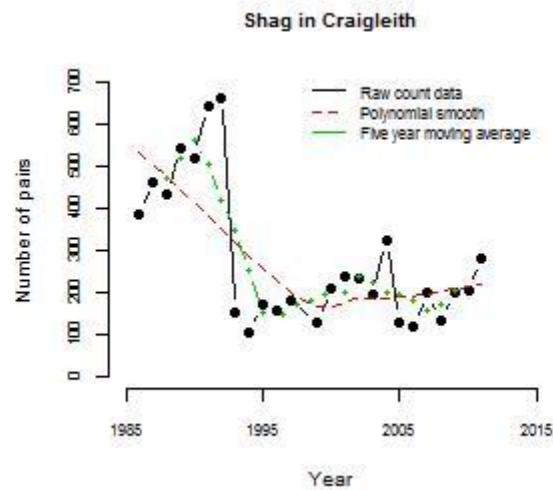
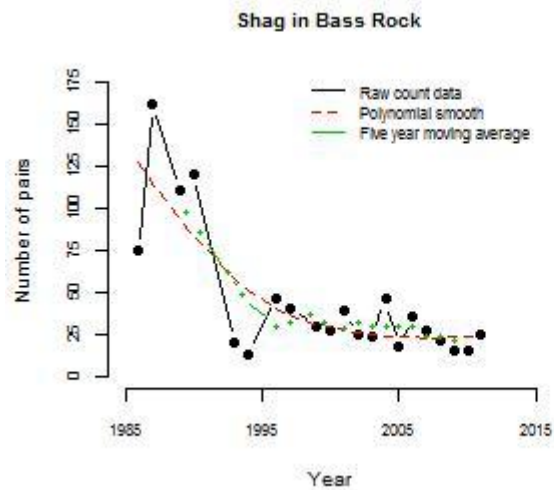
Great Cormorant in Forth Islands - Whole colony



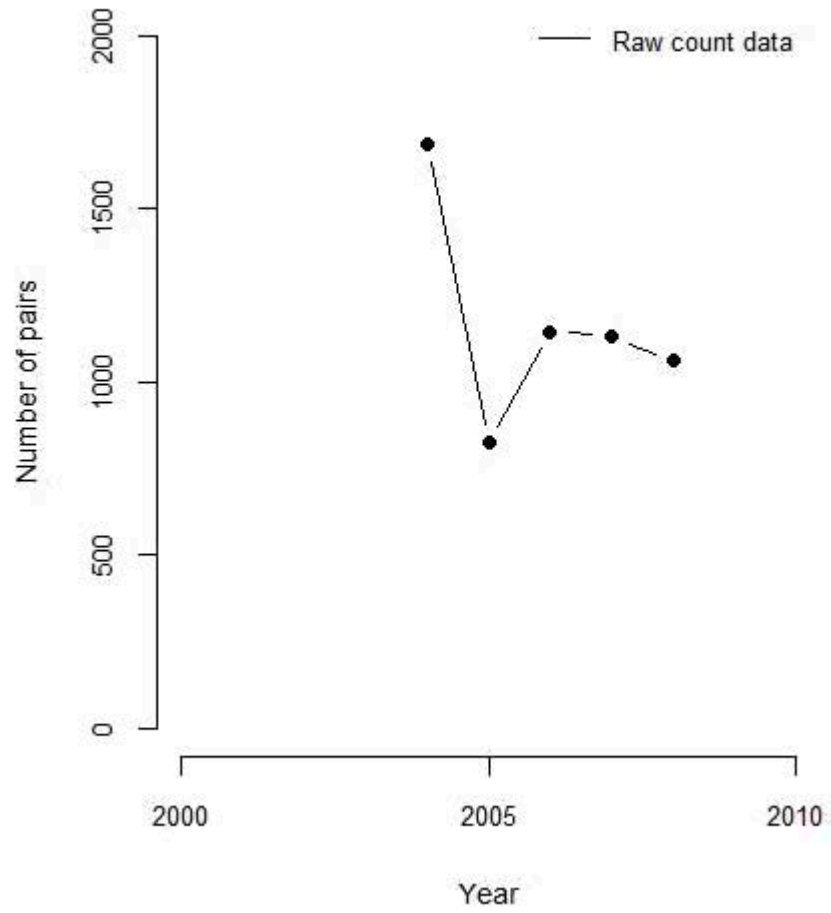
Great Cormorant in Forth Islands - Sum of Craigeleith and Inchmickery



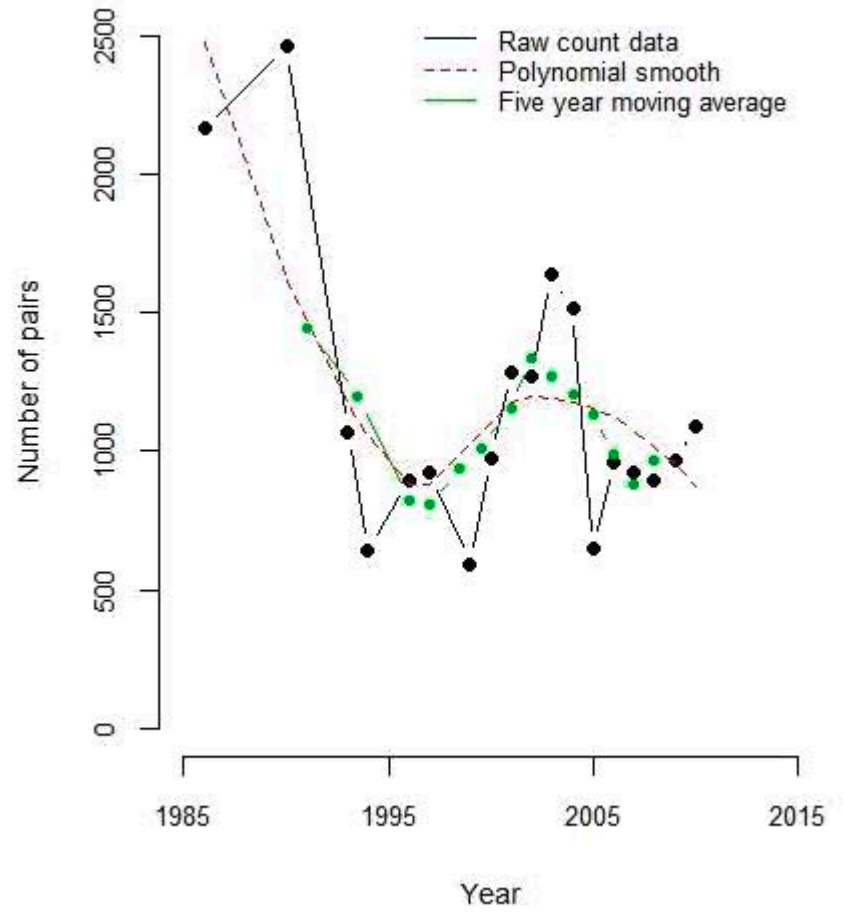
4.12.4.3 Shag



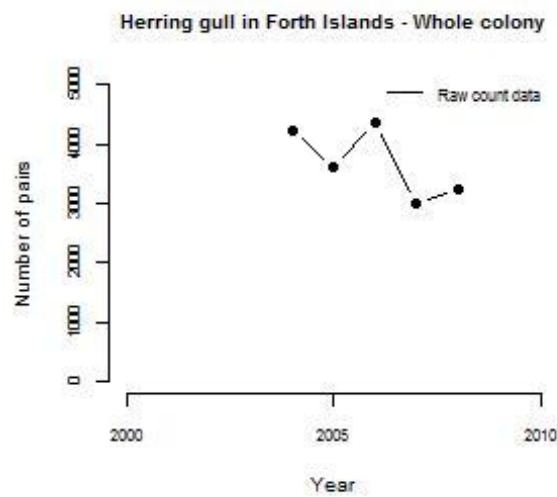
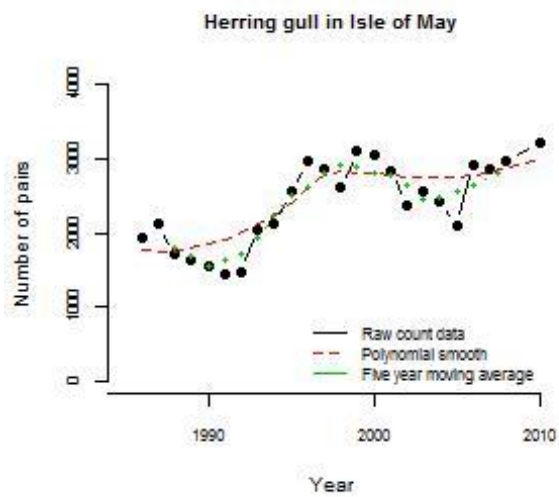
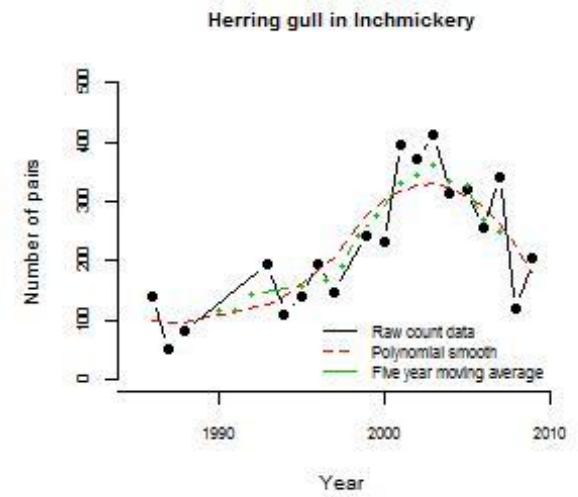
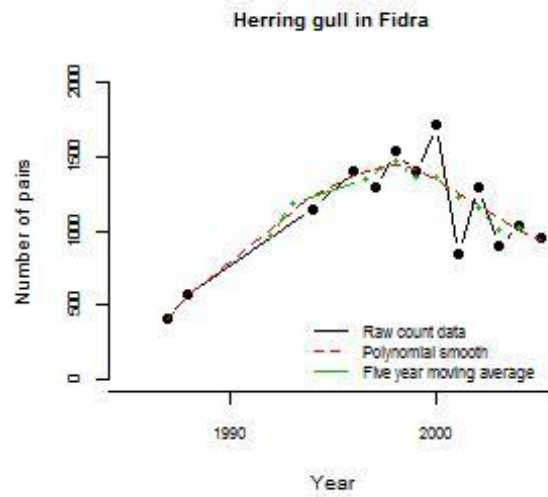
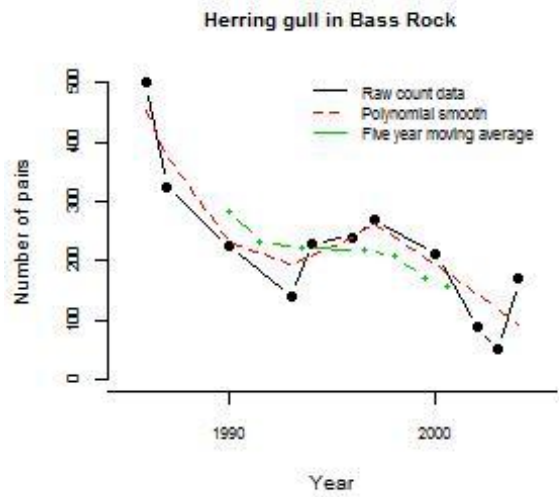
Shag in Forth Islands - Whole Colony



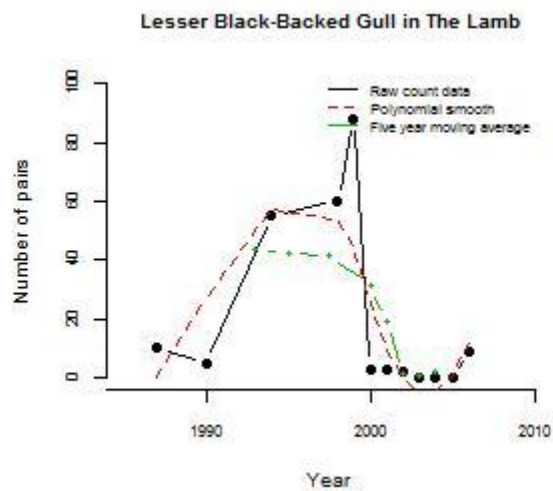
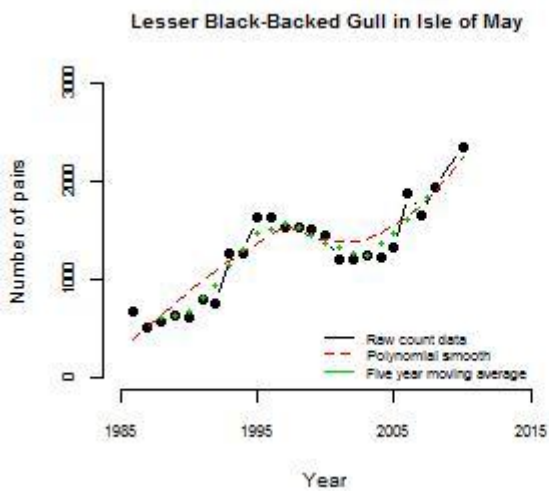
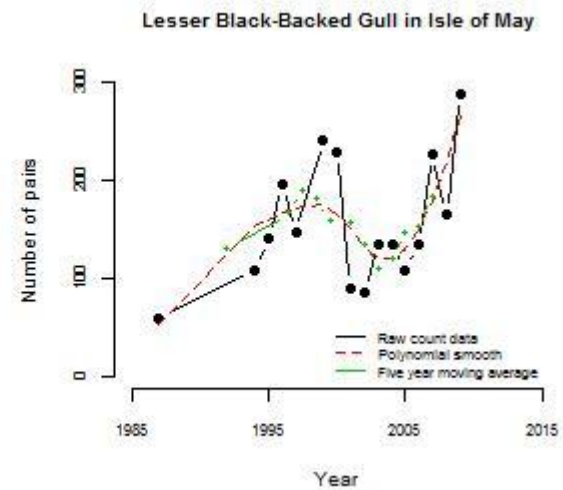
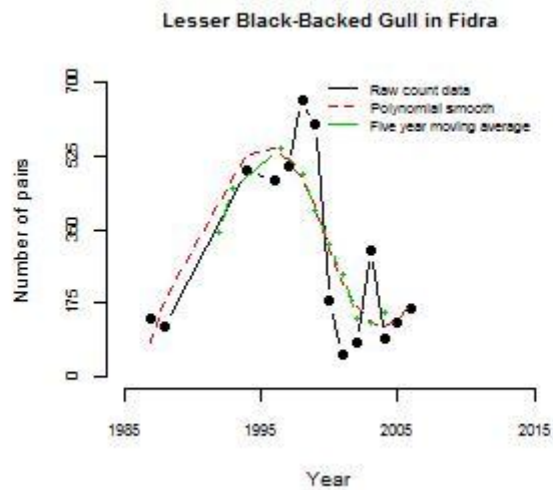
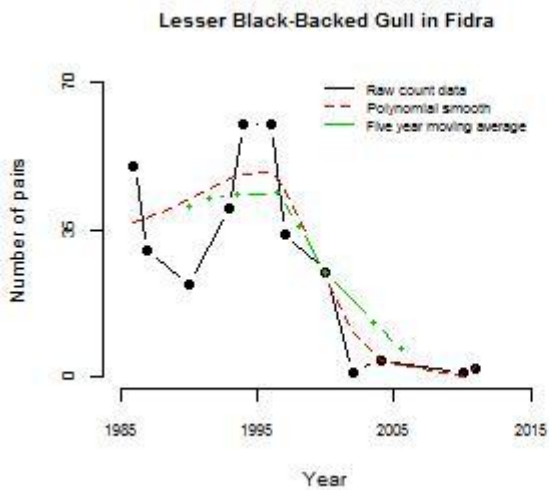
Shag in Forth Islands - Sum of Counts



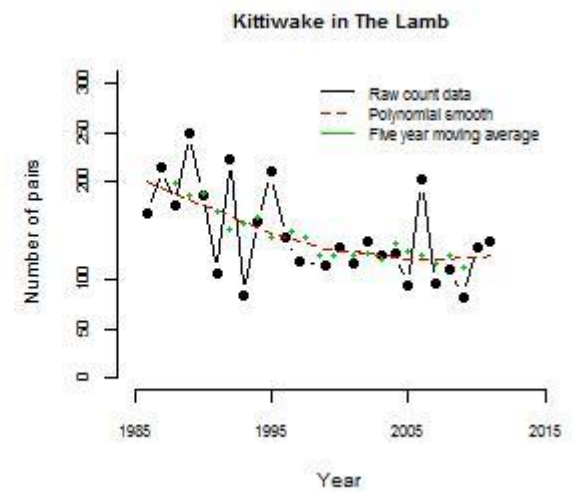
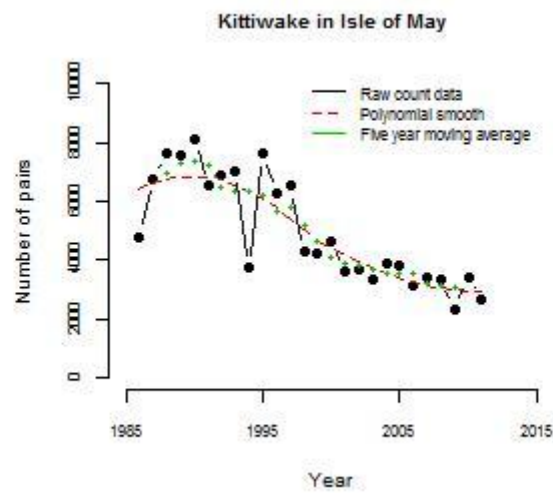
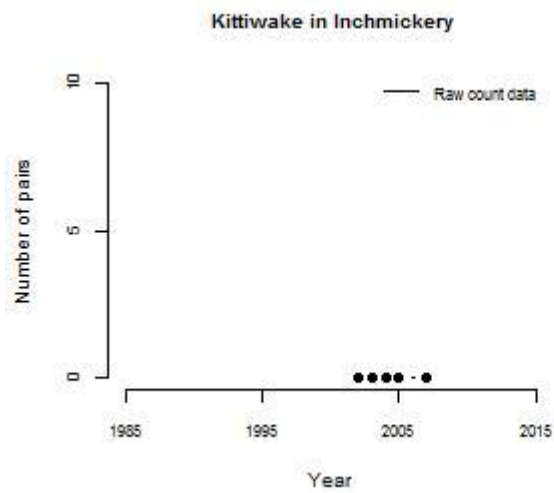
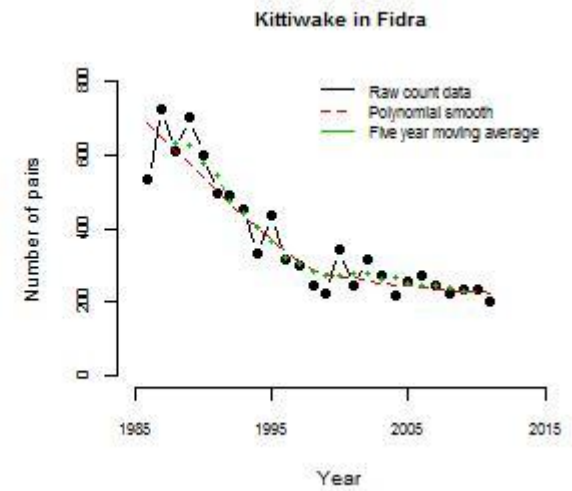
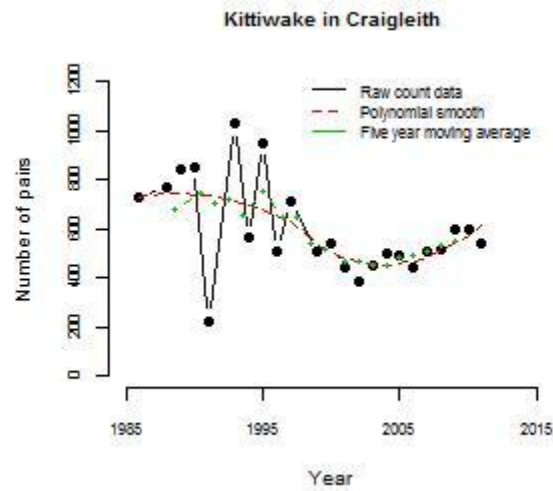
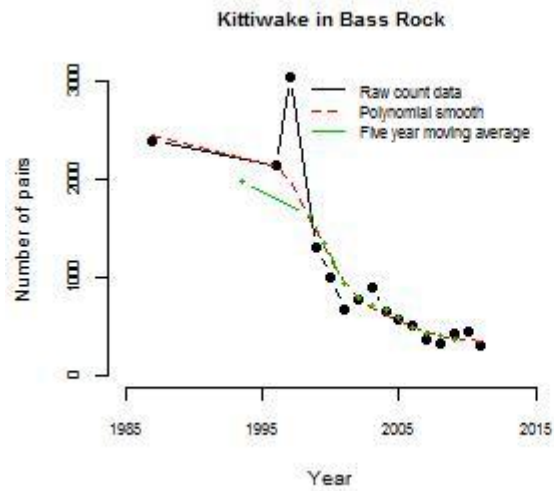
4.12.4.4 Herring gull



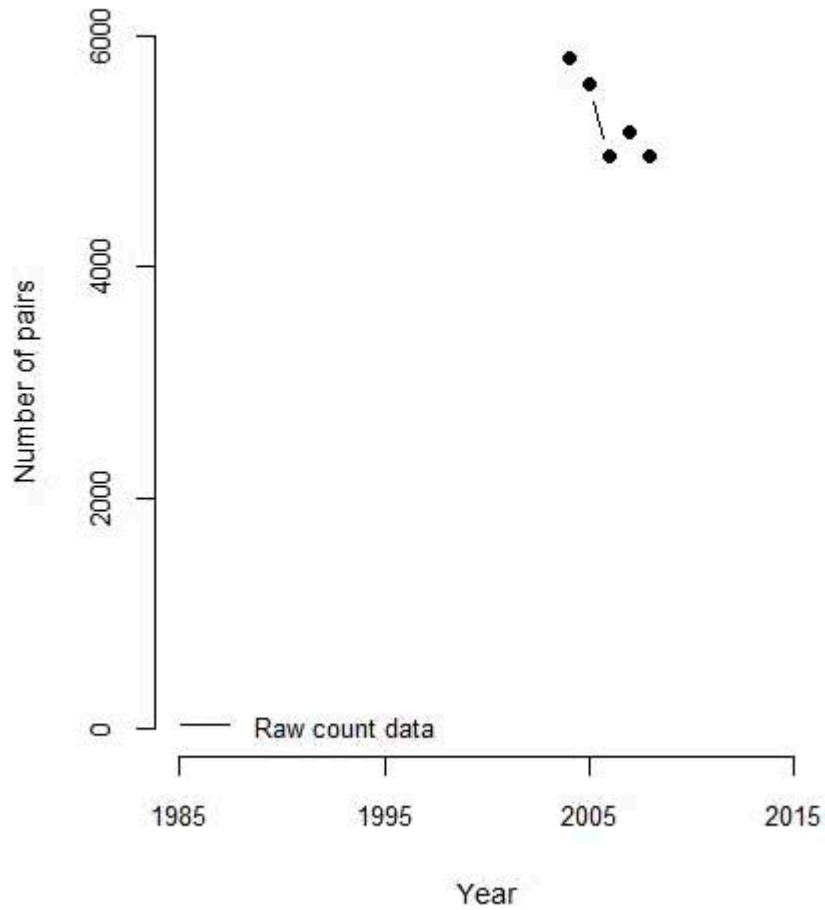
4.12.4.5 Lesser Black-Backed Gull



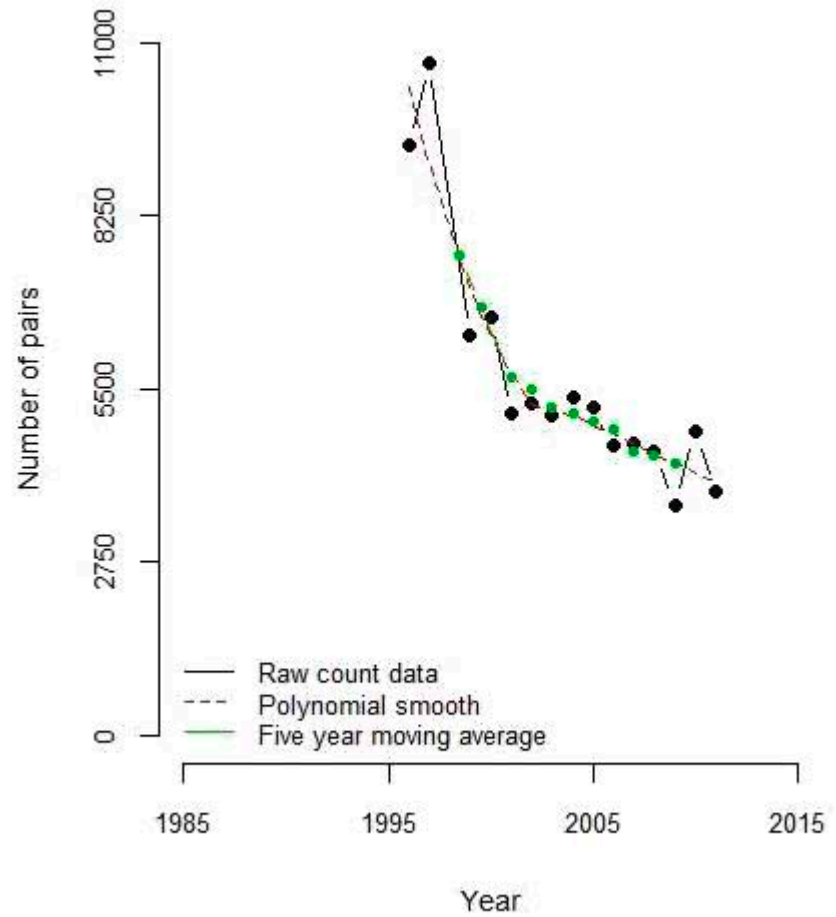
4.12.4.6 Kittiwake



Kittiwake in Forth Islands - Whole Colony

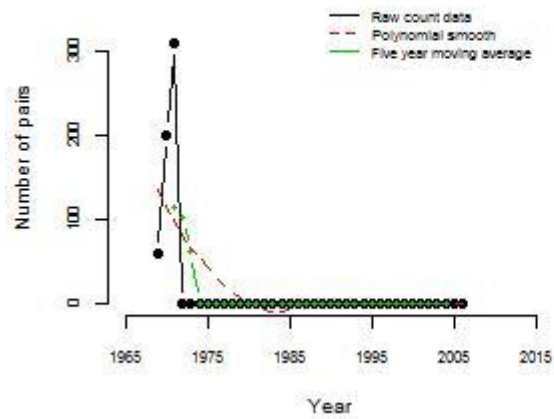


Kittiwake in Forth Islands - Sum of Counts

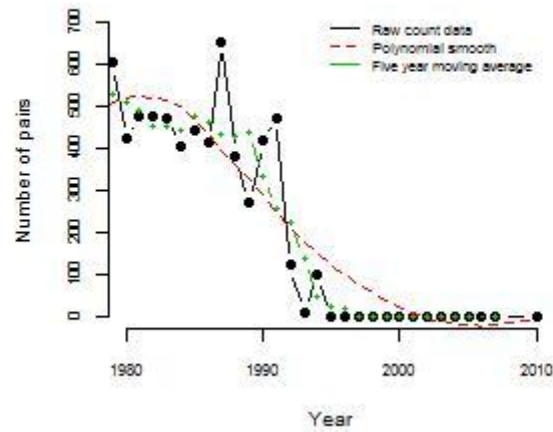


4.12.4.7 Sandwich Tern

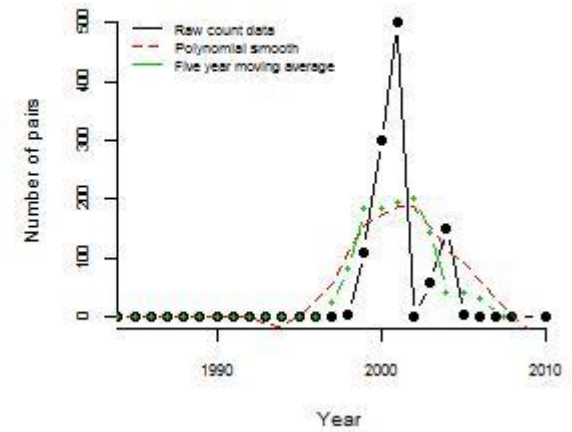
Sandwich Tern in Fidra



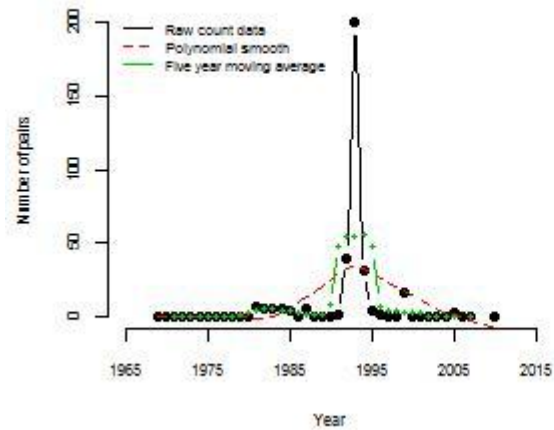
Sandwich Tern in Inchmickery



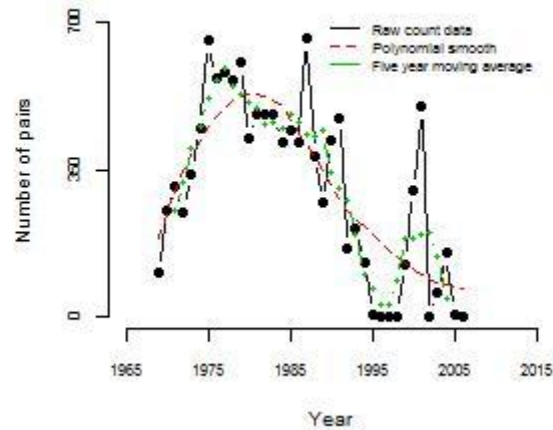
Sandwich Tern in Isle of May



Sandwich Tern in Long Craig

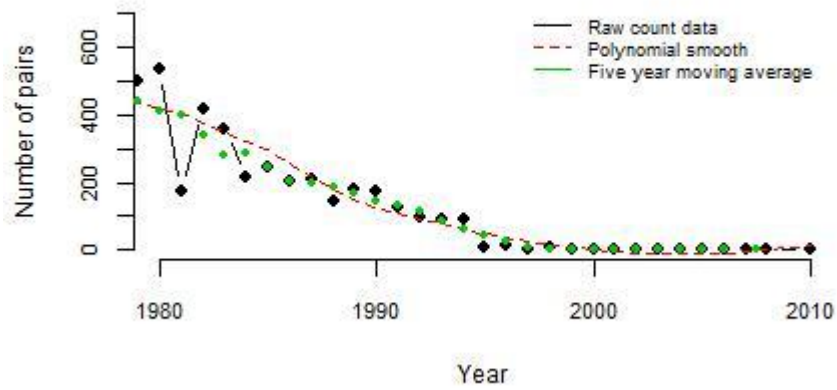


Sandwich Tern in Forth Islands - Sum of Counts

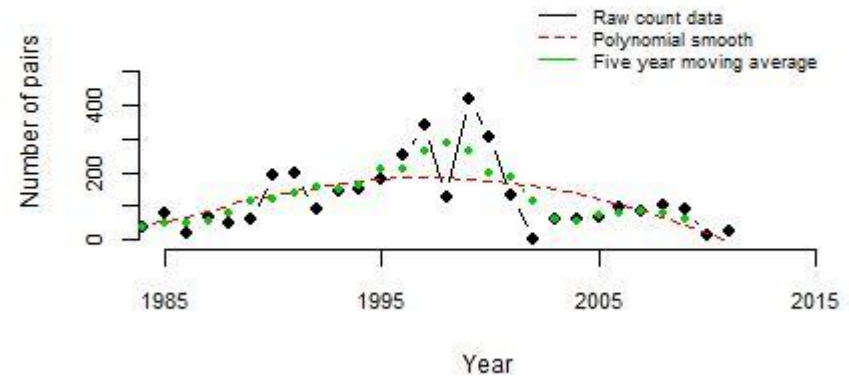


4.12.4.8 Common Tern

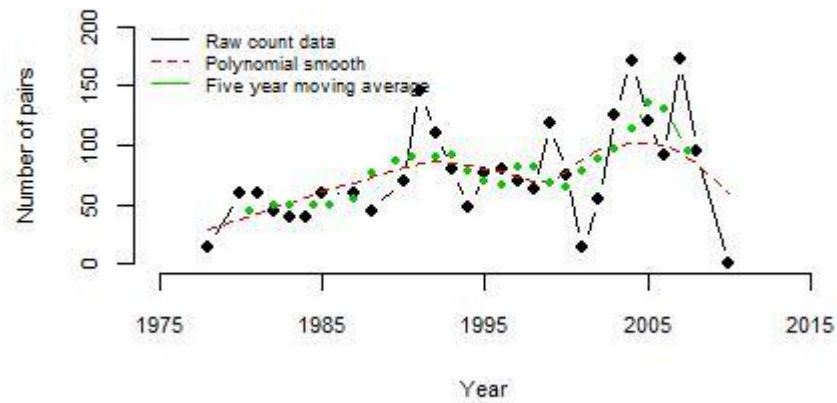
Common Tern in Inchmickery



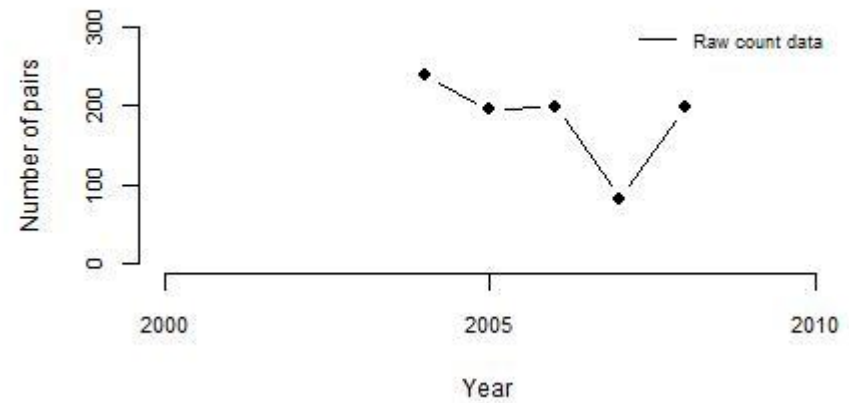
Common Tern in Isle of May



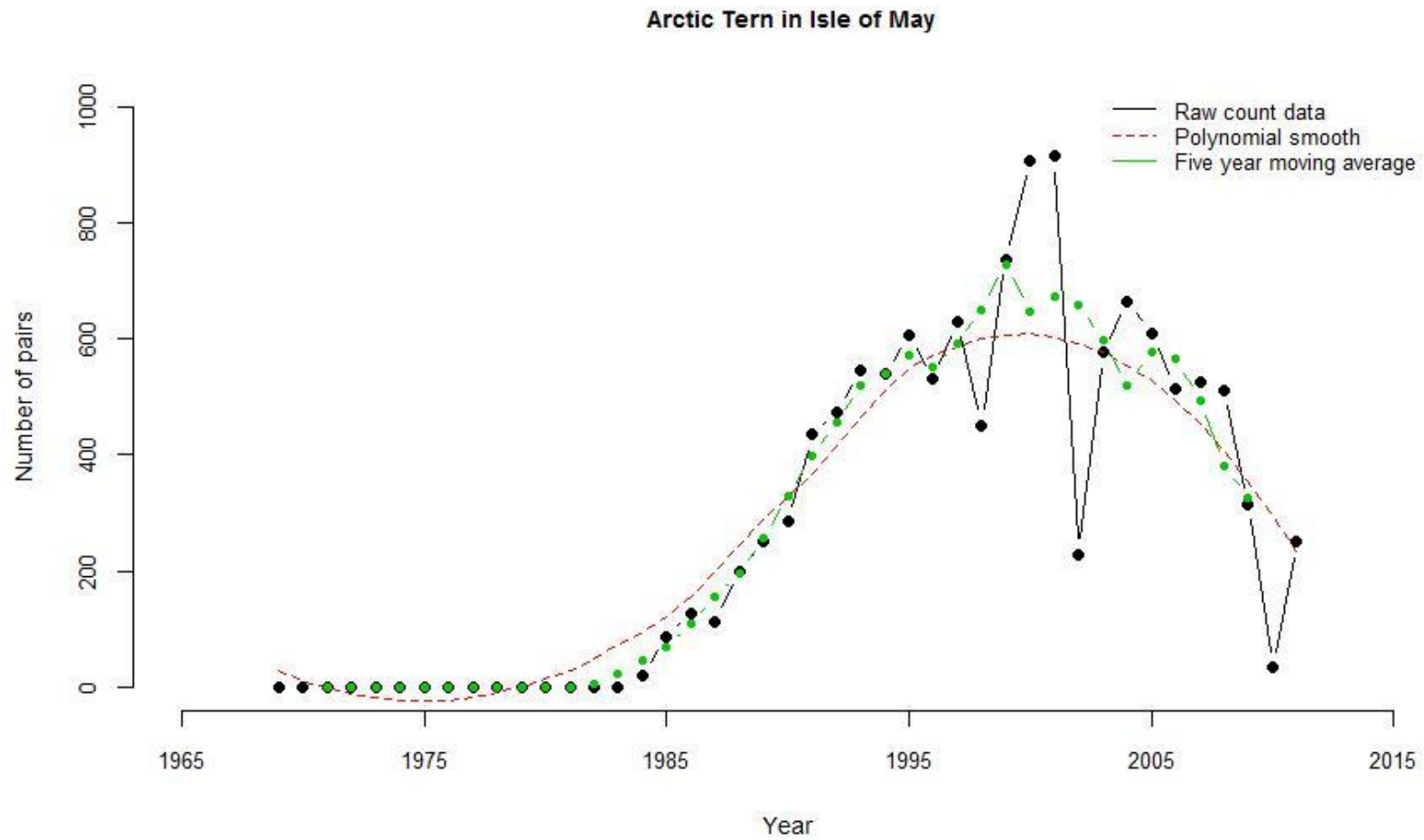
Common Tern in Long Craig



Common Tern in Forth Islands - Whole colony

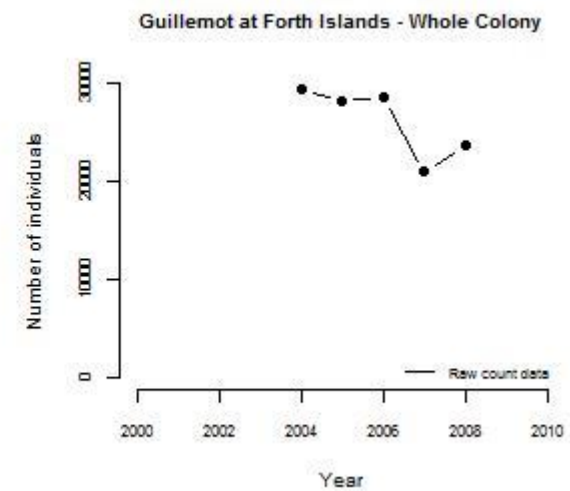
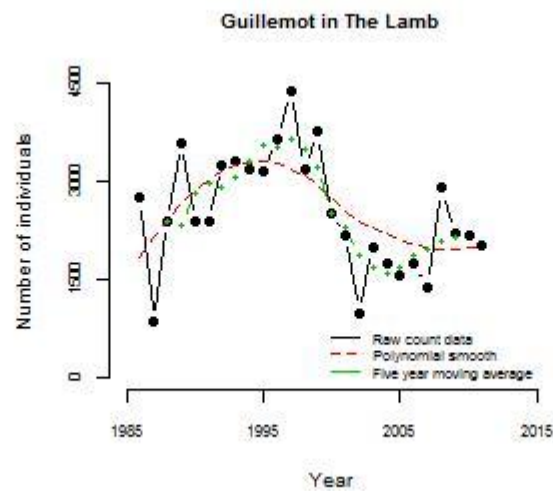
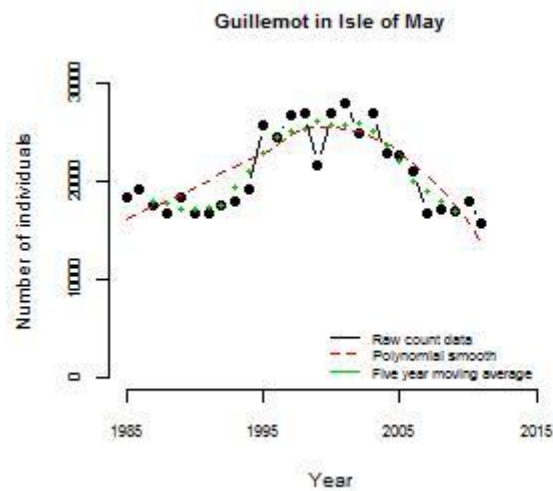
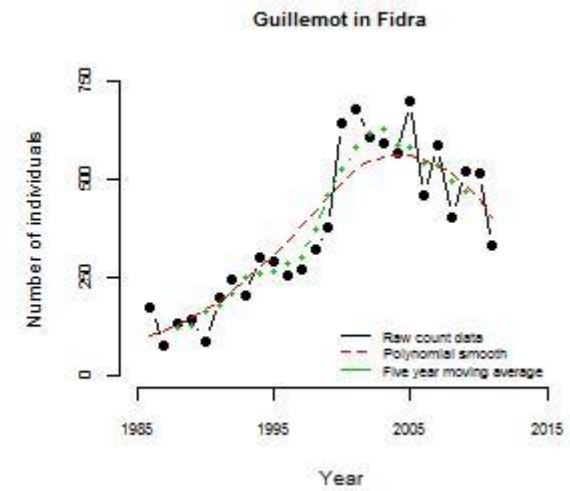
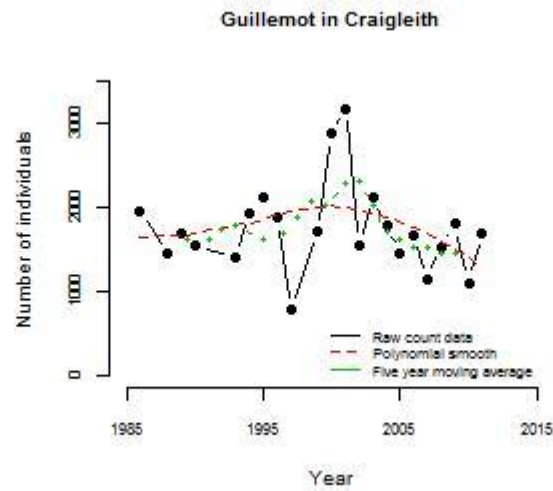
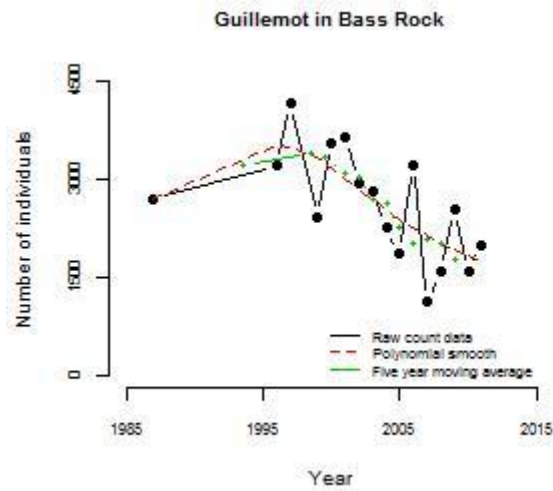


4.12.4.9 Arctic Tern

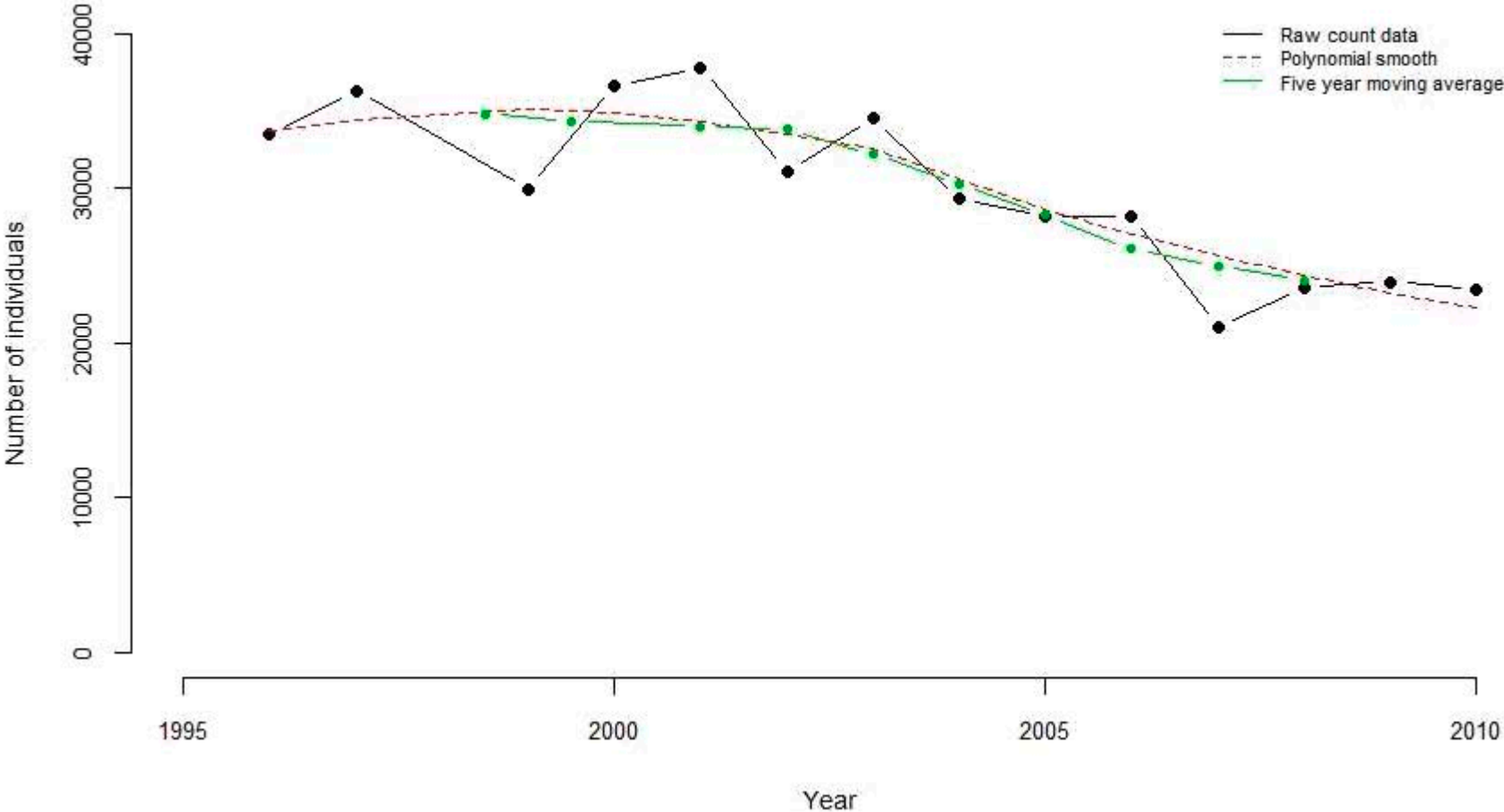


Counts for Inchmickery are not shown as all were 0.

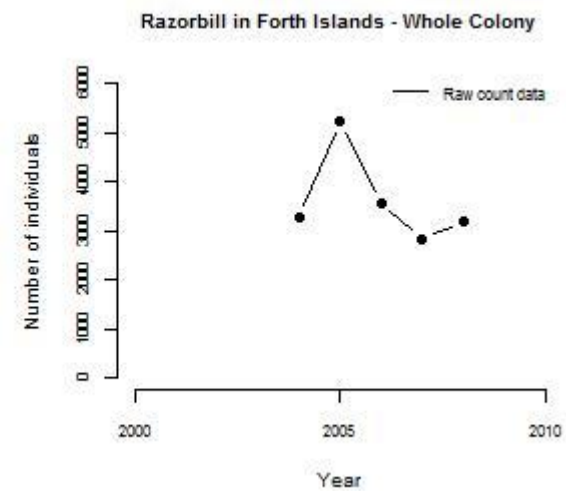
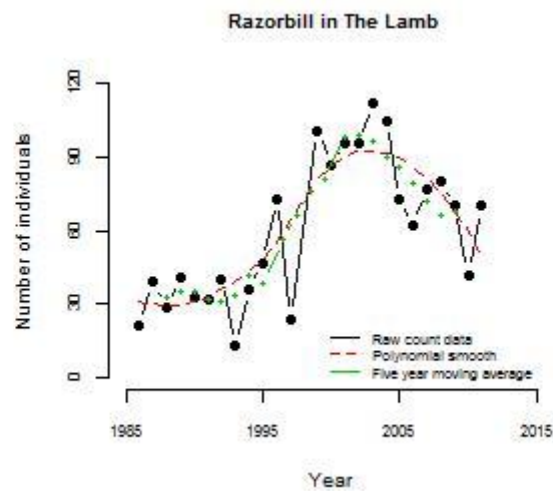
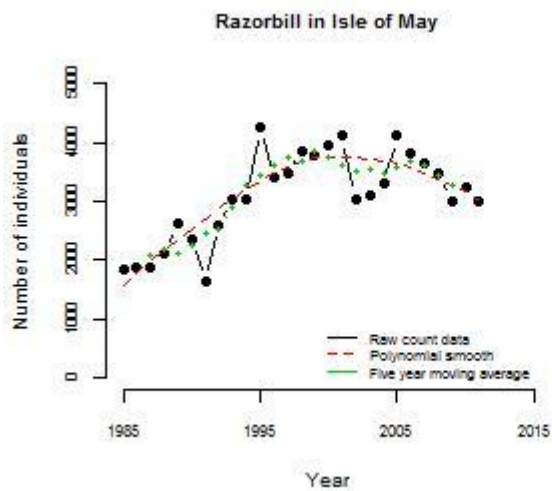
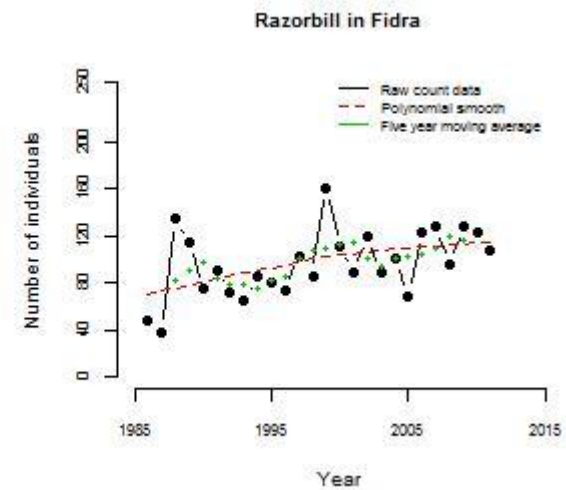
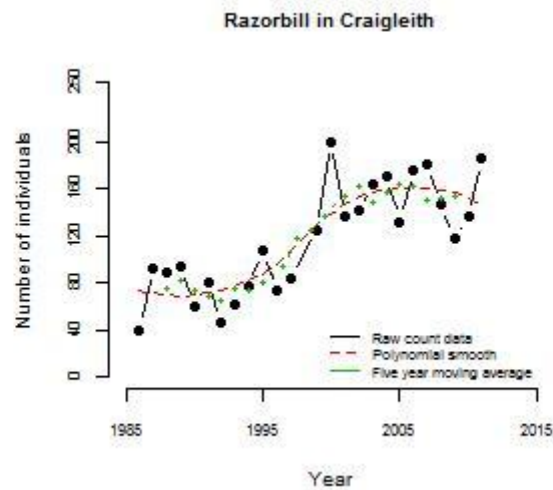
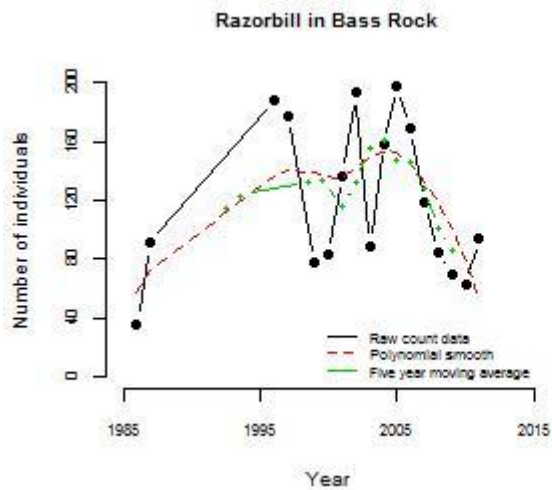
4.12.4.10 Guillemot



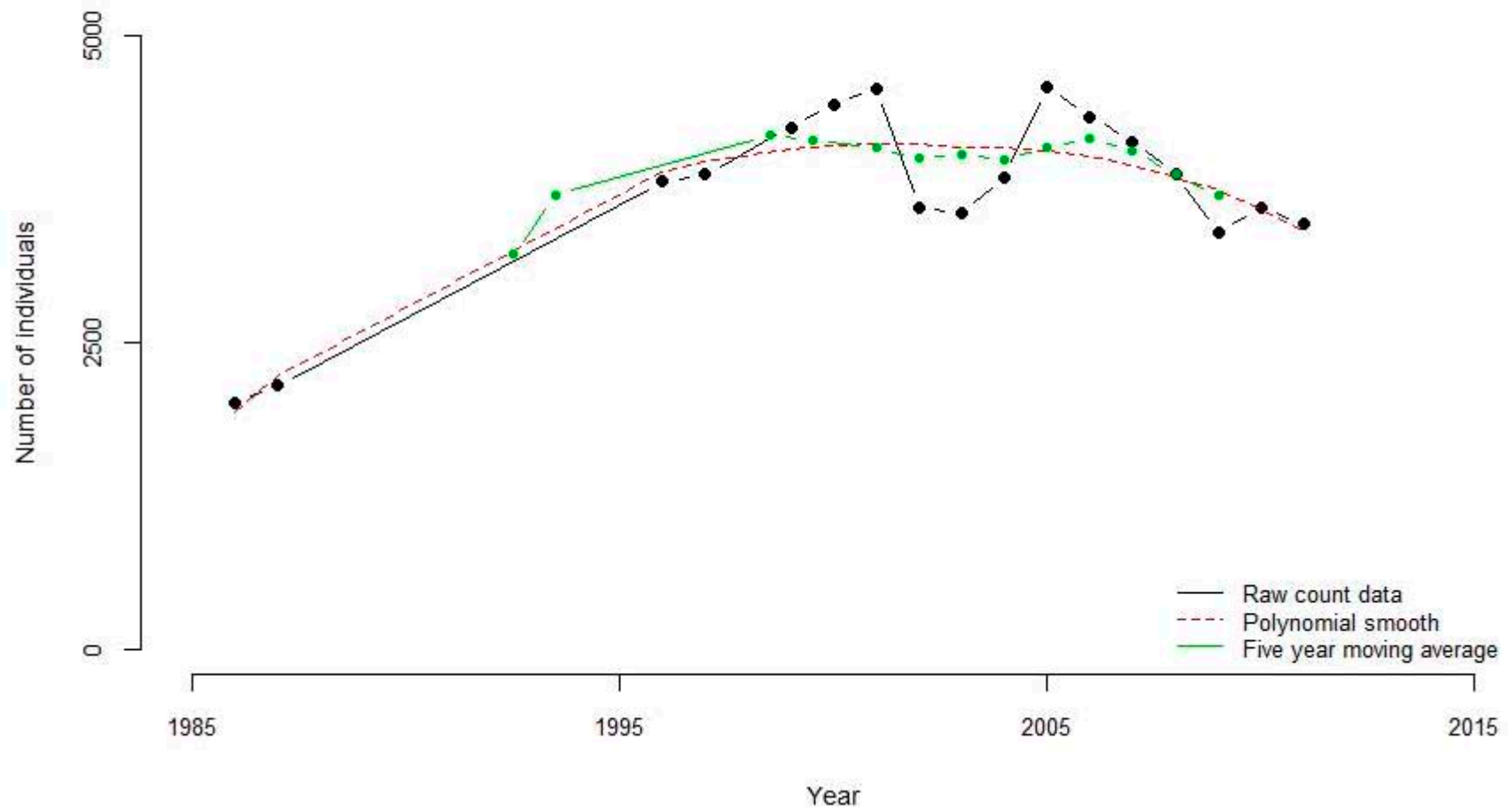
Guillemot in Forth Islands - Sum of Counts



4.12.4.11 Razorbill



Razorbill in Forth Islands - Sum of Counts



4.13 Firth of Tay and Eden Estuary SPA – EU code UK9004121

The Firth of Tay and Eden Estuary SPA is located on the east coast of Scotland, at latitude 56 24 30 N, longitude 03 05 00 W. The SPA comprises 6923.29 ha of mainly estuarine habitats, but includes areas suitable for breeding little terns.

4.13.1 Citation details

Date of classification – 02/02/2000

Species	Season	Qualification	Population at citation	Significance
Little tern	Breeding	National importance	44 pairs	1.8% of GB breeding population

4.13.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
4 count sites, S2K data 2000				
Little tern	0.32	0.73	unclear	

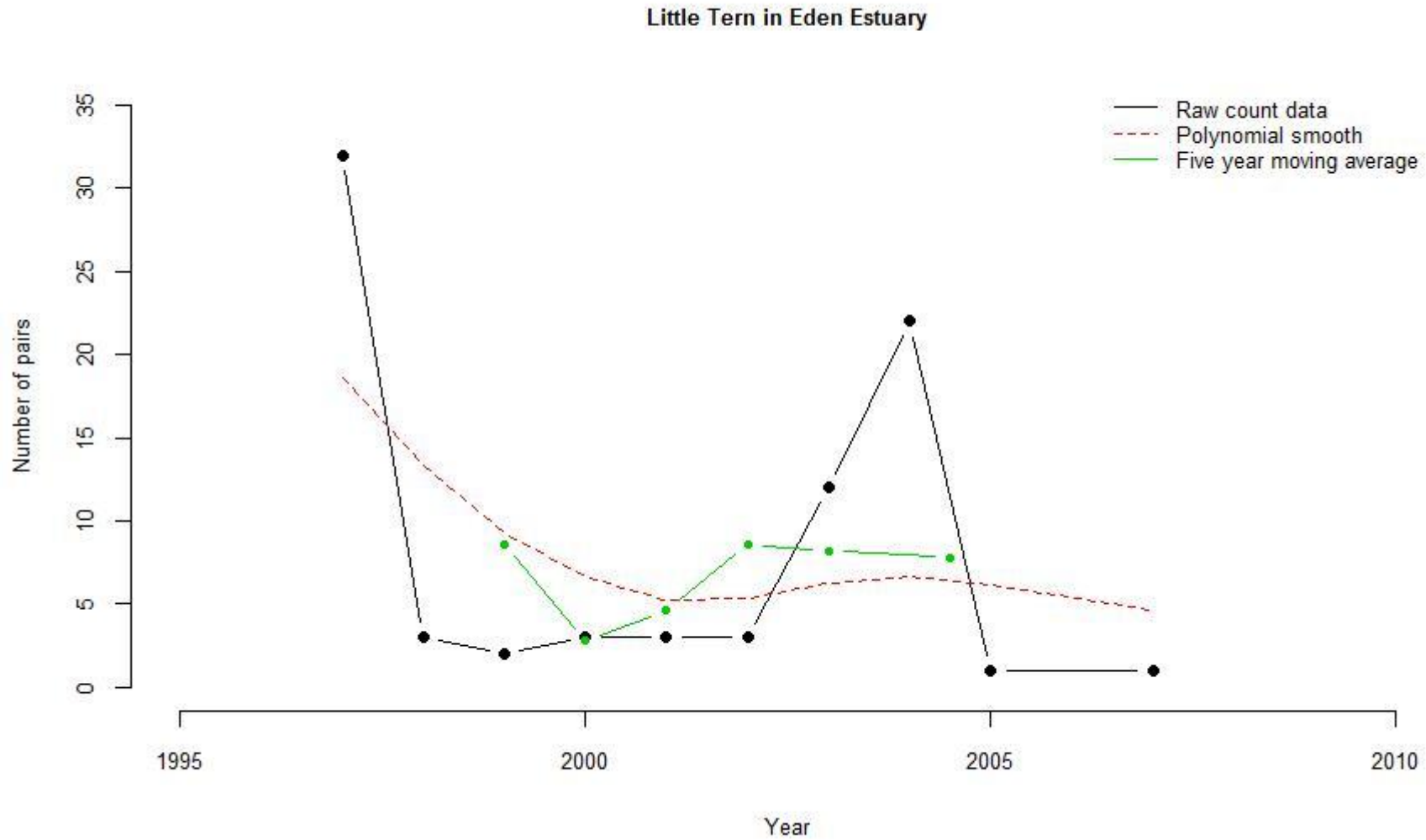
4.13.3 Firth of Tay and Eden Estuary SPA features summary

Site	Raw counts - pairs																				
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Eden Estuary																					
Barry Burn																					
Tentsmuir	7	4	5					8				0						1	1		
Barry Buddon																40		45	0	21	0

Site	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007
Eden Estuary								32	3	2	3	3	3	12	22	1		1
Barry Burn	11	20	8	15	7	0	0	7	0	0	0	0						
Tentsmuir								0	0	0								
Barry Buddon	12	18	0	0	7	0	0	0	0	0	0	0						
Total (sum of counts)								39	3	2								

Site	Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eden Estuary	1997	10	8	9	117	5	6	7	6	8	121	8	2007	1
Barry Burn	1990	12	1	3	224	5	5	2	0	0	0	2	2001	0
Tentsmuir	1969	10	0	1	137	5	14	1	NA	NA	NA	1	1999	0
Barry Buddon	1984	17	1	1	163	5	5	2	0	0	0	2	2001	0
Total (sum of counts)	1997	3	15	21	144	3	3	1	NA	NA	NA	1	1999	2

4.13.4 Trend summary for species with sufficient data at Firth of Tay and Eden Estuary SPA



4.14 Flannan Islands SPA – EU code – UK9001021

The Flannan Islands SPA is located in the far north-west of Scotland, approximately 30 km west of the island of Lewis, at latitude 58 17 20 N and longitude 07 35 30 W. The SPA includes six islands and their associated skerries, covering an area of 58.87 ha, and supports a variety of cliff and burrow nesting seabird species.

4.14.1 Citation details

Date of classification – 31/08/1992

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Leach's storm petrel	Breeding	National importance	100 pairs (count as at 1991)	0.2% of GB breeding population
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.14.2 Flannan Islands SPA features summary

4.14.2.1 Fulmar

Site	Raw counts - pairs	
	1988	1998
East Group (including Eilean Mor)	1552	1858
South Group	1721	2837
West Group	1461	3041
Total (sum of counts)	4734	7328

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
East Group (including Eilean Mor)	1988	2	1705	216	13	2	11	1	NA	NA	NA	1	1998	1858
South Group	1988	2	2279	789	35	2	11	1	NA	NA	NA	1	1998	2837
West Group	1988	2	2251	1117	50	2	11	1	NA	NA	NA	1	1998	3041
Total (sum of counts)	1988	2	6031	1834	30	2	11	1	NA	NA	NA	1	1998	7328

4.14.2.2 Leach's storm-petrel

Site	Raw counts - pairs
	2000
Eilean A'Ghobha	51
Eilean Mor	567
Eilean Tighe	630
Roareim	14
Sgeir Toman	51
Soray	112
Total - sum of counts	1425

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eilean A'Ghobha	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	51
Eilean Mor	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	567
Eilean Tighe	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	630
Roareim	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	14
Sgeir Toman	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	51
Soray	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	112
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1425

4.14.2.3 Kittiwake

Site	Raw counts - pairs	
	1988	1998
East Group (including Eilean Mor)	1700	999
South Group	458	188
West Group	621	205
Total (sum of counts)	2779	1392

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
East Group (including Eilean Mor)	1988	2	1350	496	37	2	11	1	NA	NA	NA	1	1998	999
South Group	1988	2	323	191	59	2	11	1	NA	NA	NA	1	1998	188
West Group	1988	2	413	294	71	2	11	1	NA	NA	NA	1	1998	205
Total (sum of counts)	1988	2	2086	981	47	2	11	1	NA	NA	NA	1	1998	1392

4.14.2.4 Guillemot

Site	Raw counts - individuals	
	1988	1998
East Group (including Eilean Mor)	8184	5875
South Group	5315	4144
West Group	8427	4619
Total (sum of counts)	21926	14638

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
East Group (including Eilean Mor)	1988	2	7030	1633	23	2	11	1	NA	NA	NA	1	1998	5875
South Group	1988	2	4730	828	18	2	11	1	NA	NA	NA	1	1998	4144
West Group	1988	2	6523	2693	41	2	11	1	NA	NA	NA	1	1998	4619
Total (sum of counts)	1988	2	18282	5153	28	2	11	1	NA	NA	NA	1	1998	14638

4.14.2.5 Razorbill

Site	Raw counts - individuals	
	1988	1998
East Group (including Eilean Mor)	2076	845
South Group	563	379
West Group	521	345
Total (sum of counts)	3160	1569

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
East Group (including Eilean Mor)	1988	2	1461	870	60	2	11	1	NA	NA	NA	1	1998	845
South Group	1988	2	471	130	28	2	11	1	NA	NA	NA	1	1998	379
West Group	1988	2	433	124	29	2	11	1	NA	NA	NA	1	1998	345
Total (sum of counts)	1988	2	2365	1125	48	2	11	1	NA	NA	NA	1	1998	1569

4.14.2.6 Atlantic Puffin

Count site	Raw counts - burrows	
	1998	2001
Eilean Mor A		6112
Eilean Mor E	9520	

Count site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (burrows)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eilean Mor A	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	6112
Eilean Mor E	1998	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1998	9520

4.15 Foula SPA – EU code UK 9002061

Foula SPA covers the island of Foula, the westernmost island in Shetland. It is located at latitude 60 08 20 N, longitude 02 05 00 W, and covers an area of 1323.31 ha comprising cliff and moorland habitats, supporting a large variety of seabird species.

4.15.1 Citation details

Date of classification – 27/11/1995

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Leach's storm petrel	Breeding	National importance	50 pairs (count as at 1976)	0.1% of GB breeding population
Shag	Breeding	International importance	2400 pairs (count as at 1997)	1.9% of Northern European breeding population
Great skua	Breeding	International importance	2170 pairs (count as at 1992)	16% World breeding population
Arctic skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic tern	Breeding	National importance	1100 pairs (5 year mean – 1992-1997)	2.5% of GB breeding population
Atlantic Puffin	Breeding	International importance	48000 pairs (count as at 1987)	5.3% of European breeding population
Guillemot	Breeding	International importance	25125 pairs (count as at 1987)	1.1% of East Atlantic breeding population
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.15.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2000				
Fulmar	1	0.8	unclear	
Leach's storm petrel	data not available			
Shag	1	0.08	unclear	
Great skua	1	0.08	unclear	
Arctic skua	1	0.50	decrease	high
Kittiwake	1	0.82	decrease	high
Arctic tern	1	0.60	decrease	high
Atlantic Puffin	1	0.08	unclear	
Guillemot	1	0.08	unclear	
Razorbill	1	0.08	unclear	

4.15.3 Foula SPA features summary

4.15.3.1 Leach's storm petrel

No data was available for this species

4.15.3.2 Fulmar

Raw counts - pairs	
1987	2000
46800	21106

Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1987	2000	33953	18168	54	2	14	1	NA	NA	NA	1	2000	21106

4.15.3.3 Shag

Raw counts - pairs
2000
2300

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2300

4.15.3.4 Great skua

Raw data - pairs
2000
2293

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2293

4.15.3.5 Arctic skua

Raw data - Pairs					
2000	2006	2007	2008	2009	2010
107	79	71	41	63	50

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	6	61	15	25	5	5	6	69	23	34	11	2010	50

4.15.3.6 Kittiwake

Raw counts - pairs														
1987	1992	1996	1997	1998	1999	2000	2002	2003	2004	2005	2006	2007	2009	2010
4350	4306	2775	2359	2091	2218	1934	1298	1081	942	898	1035	997	509	582

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1987	15	804	243	30	5	6	9	1031	417	40	11	2010	582

4.15.3.7 Arctic tern

Raw counts - pairs																						
1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1986	1987	1988	1989	1990	1991	1992
262	500	916	1000	750	1700	6000	5650	3000	2000	4450	4200	1900	1259	1150	274	643	300	300	300	115	1010	1500

1993	1994	1995	1996	1997	1998	1999	2001	2002	2003	2004	2005	2006
1500	1000	1000	505	1000	750	750	800	400	50	0	107	0

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1969	36	111	167	150	5	5	6	226	318	141	6	2006	0

4.15.3.8 Guillemot

Raw count - individuals
2000
41500

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	41500

4.15.3.9 Razorbill

Raw counts - individuals	
1987	2000
6200	4200

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1987	2	5200	1414	27	2	14	1	NA	NA	NA	1	2000	4200

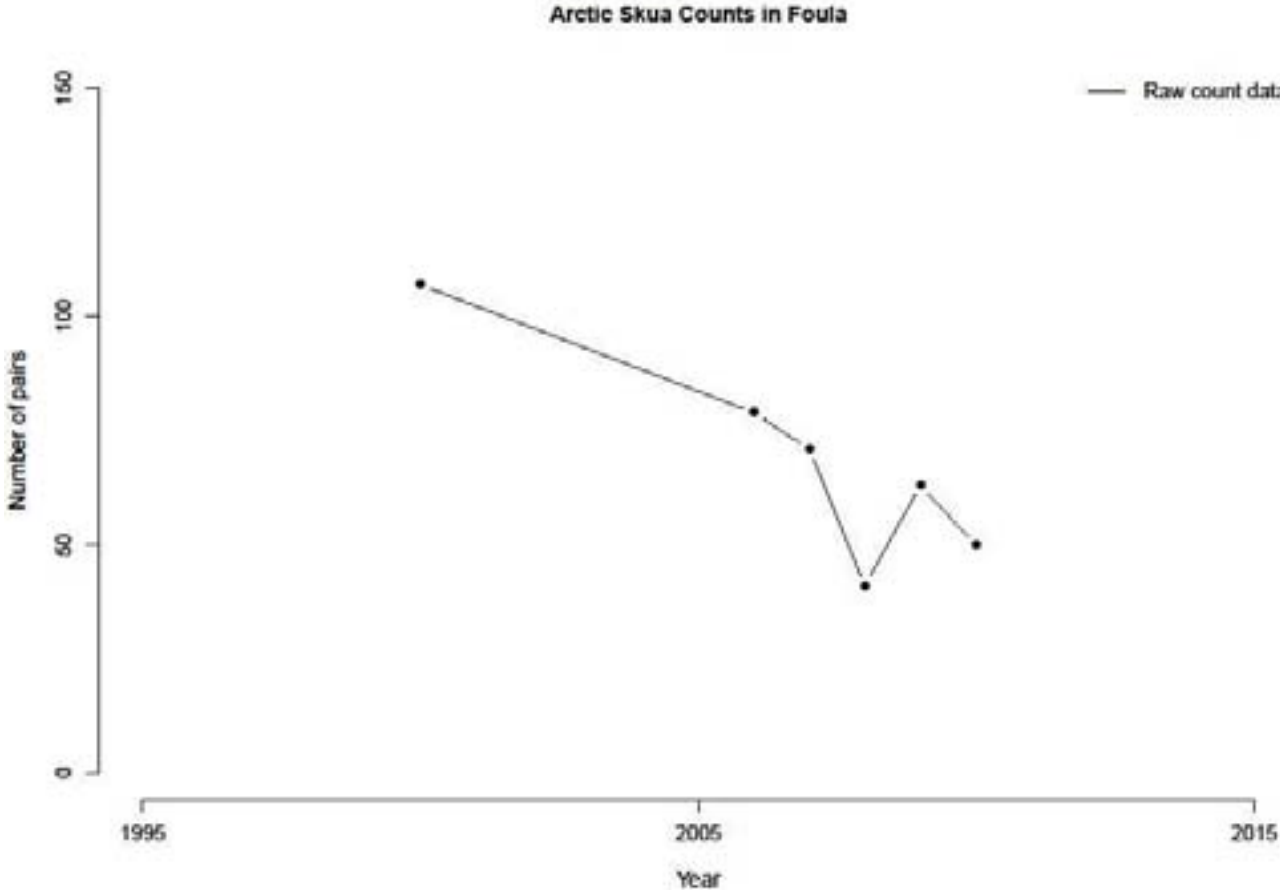
4.15.3.10 Atlantic Puffin

Raw counts - burrows
2000
22500

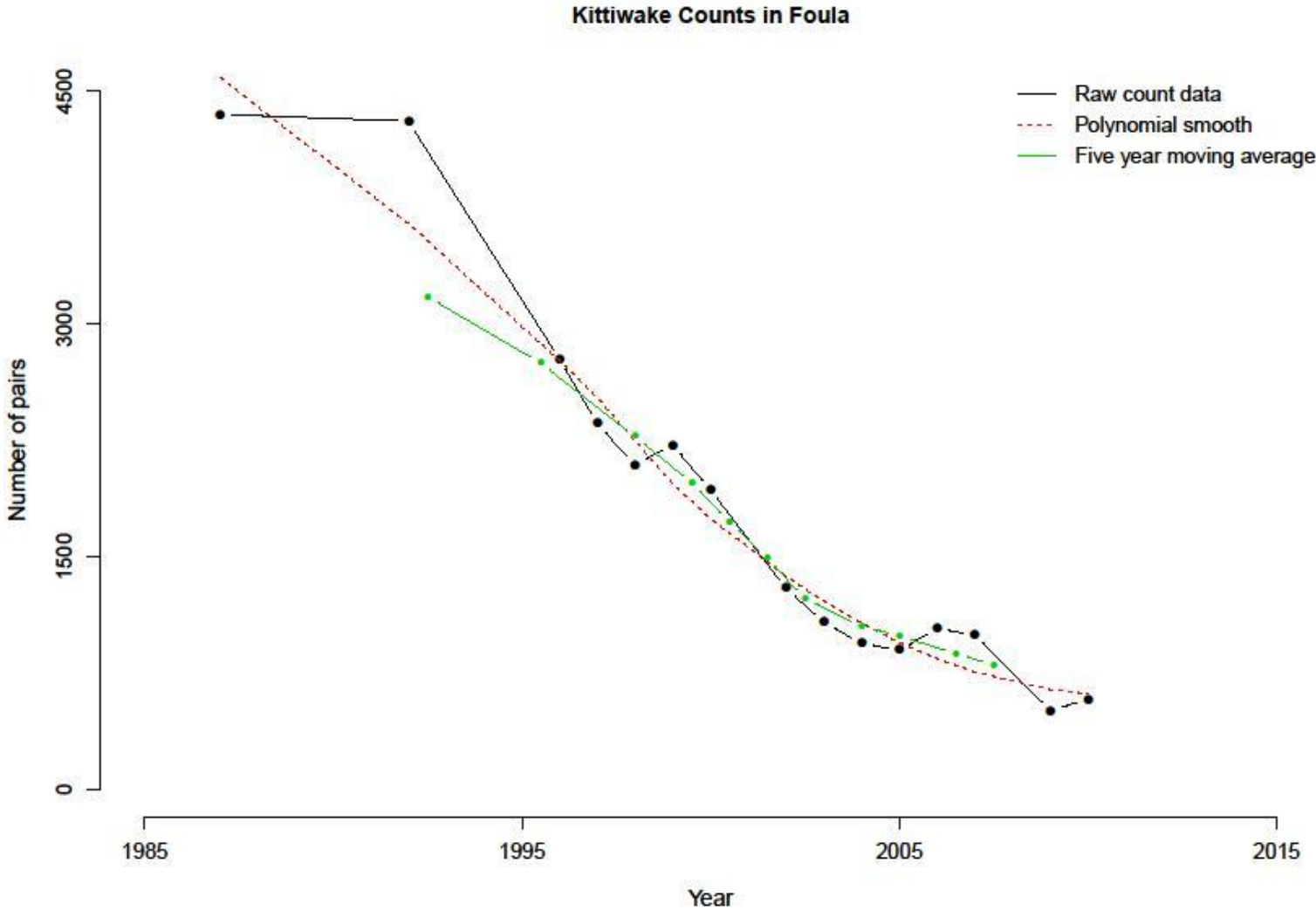
Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (burrows)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	22500

4.15.4 Trend summary for species with sufficient data at Foula SPA

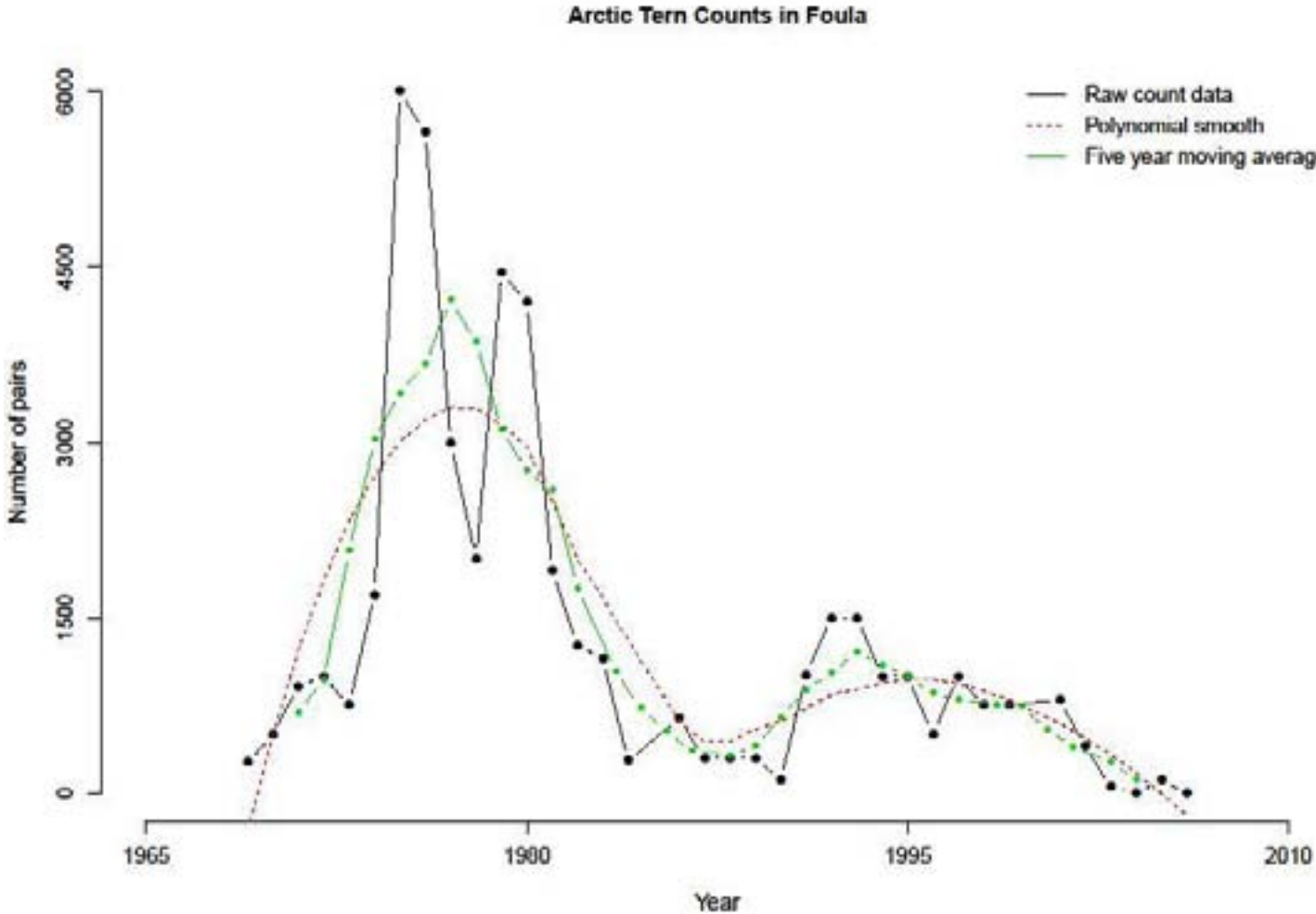
4.15.4.1 Arctic skua



4.15.4.2 Kittiwake



4.15.4.3 Arctic tern



4.16 Fowlsheugh SPA – EU code UK9002271

Fowlsheugh SPA is a area of cliff habitat on the coast of North-East Scotland, located at latitude 56 54 45 N, longitude 02 11 45 W, and covering an area of 10.15 ha.

4.16.1 Citation details

Date of classification – 31/08/1992

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Herring gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	International importance	40140 pairs (count as at 1992)	1.1% of East Atlantic breeding population
Guillemot	Breeding	International importance	34870 pairs (count as at 1992)	1.8% of East Atlantic breeding population
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.16.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Fulmar	1	0.25	decrease	low
Herring gull	1	0.33	unclear	
Kittiwake	1	0.25	decrease	low
Guillemot	1	0.25	decrease	low
Razorbill	1	0.25	unclear	

4.16.3 Fowlsheugh SPA features summary

4.16.3.1 Fulmar

Raw counts - pairs				
1986	1992	1999	2006	2009
305	416	352	246	193

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	302	87	29	5	24	3	264	81	31	11	2009	193

4.16.3.2 Herring gull

Raw counts - pairs					
1986	1992	1999	2006	2008	2009
314	528	267	274	122	214

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	6	281	151	54	5	18	4	219	70	32	11	2009	214

4.16.3.3 Kittiwake

Raw counts - pairs					
1986	1991	1992	1999	2006	2009
22051	23522	34872	18800	11140	9454

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	6	19558	10293	53	5	19	3	13131	4981	38	11	2009	9454

4.16.3.4 Guillemot

Raw counts - individuals					
1986	1992	1999	2006	2009	
52355	59911	62330	54195	50556	

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	55869	5036	9	5	24	3	55694	6028	11	11	2009	50556

4.16.3.5 Razorbill

Raw counts - individuals				
1986	1992	1999	2006	2009
4467	6827	6362	4280	4632

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	5314	1187	22	5	24	3	5091	1114	22	11	2009	4632

4.17 Glas Eileanan SPA – EU code UK9003211

Glas Eileanan SPA covers three islands in the Sound of Mull, on the west coast of Scotland, located at 56 29 48 N, and longitude 05 42 50 W. The three islands comprising the SPA cover an area of maritime grassland of 1.43 ha.

4.17.1 Citation details

Date of classification – 20/02/1998

Species	Season	Qualification	Population at citation	Significance
Common tern	Breeding	National importance	530 pairs	4.3% of GB breeding population

4.17.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
	1 count site, S2K data 2000			
Common tern	1	1	decrease	very high

4.17.3 Glas Eileanan SPA features summary

4.17.3.1 Common tern

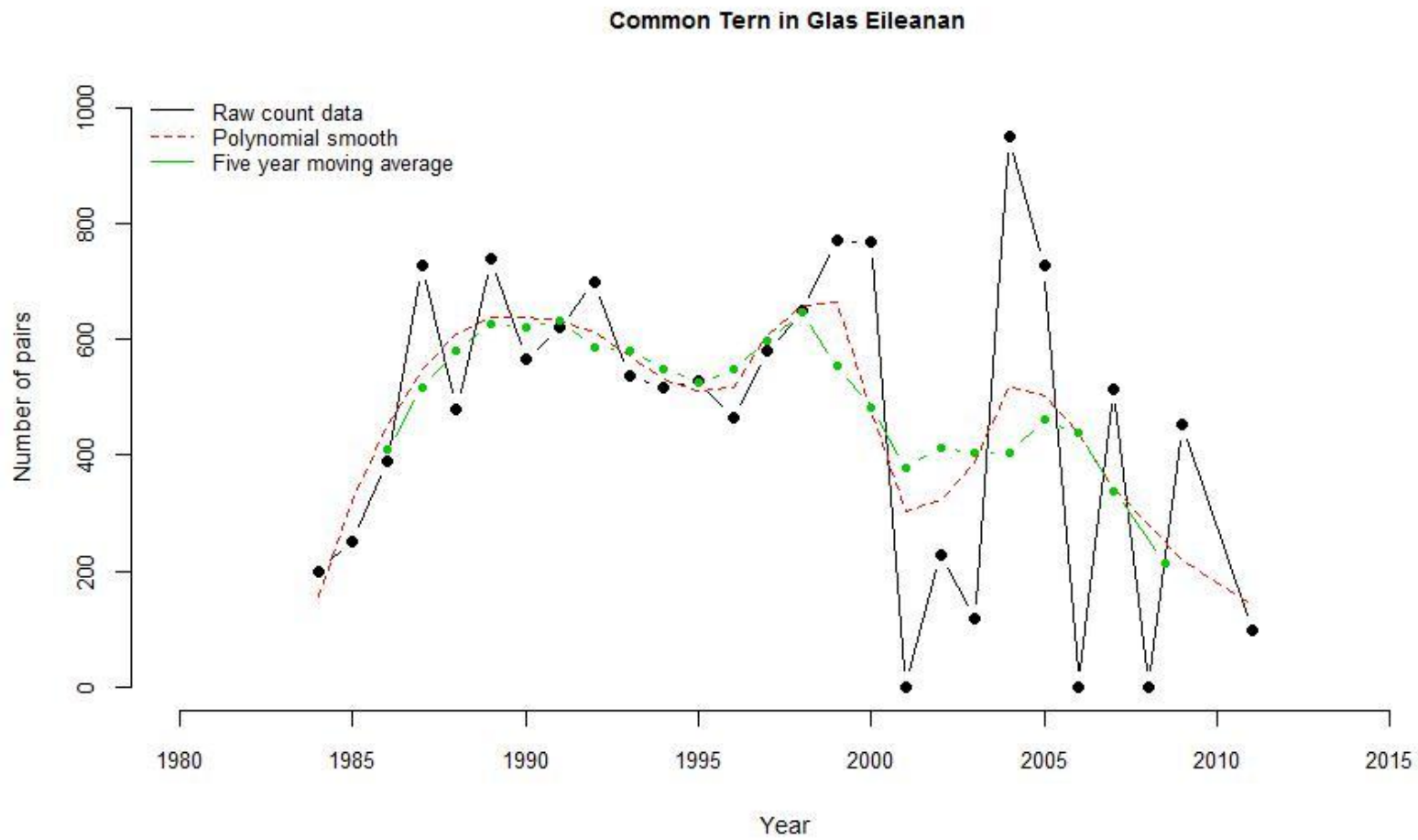
Raw counts - pairs													
1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997
200	250	390	728	480	739	565	620	700	538	516	530	464	580

1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2011
649	772	768	0	229	117	950	727	0	515	0	453	97

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1984	27	213	251	118	5	6	11	351	349	99	12	2011	97

4.17.4 Trend summary for species with sufficient data at Glas Eileanan SPA

4.17.4.1 Common Tern



4.18 Handa SPA – EU code UK9003211

Handa SPA covers Handa Island, located at latitude 58 23 00 N, longitude 05 11 12 W, off the west coast of Sutherland. It comprises a variety of habitats, including cliffs and maritime grassland, and covers an area of 367.49 ha.

4.18.1 Citation details

Date of classification – 25/04/1990

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	International importance	76105 pairs (count as at 1994)	3.4% of East Atlantic breeding population
Razorbill	Breeding	International importance	10432 pairs (count as at 1997)	1.8% of European breeding population

4.18.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Fulmar	1	0.25	decrease	mod
Great skua	1	0.64	increase	high
Kittiwake	1	0.25	decrease	mod
Guillemot	1	0.33	unclear	
Razorbill	1	0.25	decrease	mod

4.18.3 Handa Island SPA features summary

4.18.3.1 Fulmar

Raw counts - pairs				
1986	1996	2000	2004	2008
3574	4323	3550	2119	1915

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	3096	1036	33	5	23	3	2528	891	35	9	2008	1915

4.18.3.2 Great skua

Raw counts - pairs														
1986	1989	1990	1993	1994	1995	1996	1998	2000	2005	2006	2007	2008	2009	2010
66	73	81	117	112	115	116	165	195	212	202	190	272	266	241

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	15	234	37	16	5	5	7	225	34	15	11	2010	241

4.18.3.3 Kittiwake

Raw counts - pairs			
1995	1999	2005	2009
7418	7013	5985	4466

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1995	4	6221	1316	21	4	15	3	5821	1281	22	11	2009	4466

4.18.3.4 Guillemot

Raw counts - individuals					
1987	1994	1998	2003	2007	2011
98686	113589	112676	90105	45597	56706

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1987	6	83735	31442	38	5	18	4	76271	30770	40	14	2011	56706

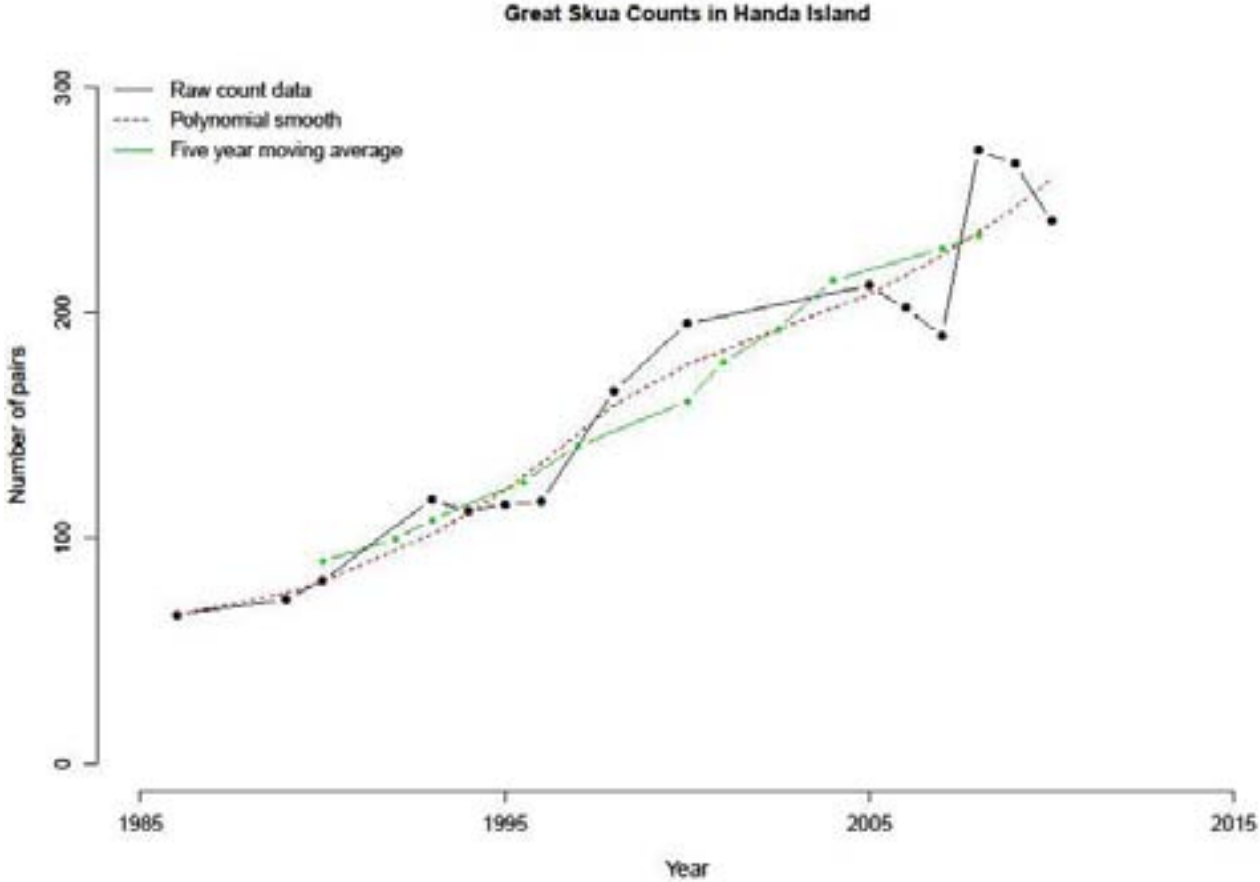
4.18.3.5 Razorbill

Raw counts - individuals				
1987	1997	2001	2006	2010
16394	15573	16991	12925	7709

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1987	5	13918	3803	27	5	24	3	12542	4653	37	10	2010	7709

4.18.4 Trend summary for species with sufficient data at Handa Island SPA

4.18.4.1 Great Skua



4.19 Hermaness, Saxa Vord and Valla Field SPA – EU code UK9002011

The Hermaness, Saxa Vord and Valla Field SPA comprises three areas on Unst, the northernmost island in Shetland, centred at latitude 60 49 19 N and longitude 00 54 00 W. The total area covered by the SPA is 1037.7, comprising cliffs, stacks and grassland habitats.

4.19.1 Citation details

Date of classification – 29/03/1994

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Northern Gannet	Breeding	International importance	12000 pairs (count as at 1994)	4.6% of North Atlantic breeding population
Great skua	Breeding	International importance	630 pairs (count as at 1997)	4.6% of World breeding population
Atlantic Puffin	Breeding	International importance	25400 pairs (count as at 1987)	2.8% of European breeding population
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.19.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
16 count sites, S2K data 1999				
Fulmar	0.57	0.15	decrease	low
Northern Gannet	1	0.25	increase	low
Great skua	0.4	0.25	unclear	
Atlantic Puffin	1	0.08	unclear	
Guillemot	0.33	0.33	decrease	low

4.19.3 Hermaness, Saxa Vord and Valla Field SPA features summary

4.19.3.1 Fulmar

Site	Raw counts - pairs		
	1986	1999	2006
Ayre of Tonga to Tonga Stack		549	
Greff to Ayre of Tonga		687	
Hermaness	3004	13958	4879
Hols Hellier to The Lug		1238	
Norwick Hevda to Hols Hellier		288	
South Geo Brough to Greff		430	
The Keen to Norwick Hevda		3929	
Total (sum of counts)		21079	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Ayre of Tonga to Tonga Stack	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	549
Greff to Ayre of Tonga	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	687
Hermaness	1986	3	7280	5859	81	3	21	2	9419	6419	68	8	2006	4879
Hols Hellier to The Lug	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1238
Norwick Hevda to Hols Hellier	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	288
South Geo Brough to Greff	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	430
The Keen to Norwick Hevda	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3929
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	21079

4.19.3.2 Northern gannet

Site	Raw counts - pairs										
		1985	1986	1991	1994	1999	2003	2008	Hermaness	2875	
9904	10057	11994	16386	15633	24353						

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Hermaness	1985	7	15685	5498	35	5	18	3	18791	4832	26	10	2008	24353

4.19.3.3 Great skua

Site	Raw data - pairs			
	1986	2001	2002	2007
Hermaness	616	726		751
HP 584057			2	
HP 584068			2	
HP 588094			39	
HP 589078			9	
HP 580129			68	
HP 589042			3	
HP 590113			9	
HP 595132			92	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Hermaness	1986	3	698	72	10	3	22	2	739	18	2	7	2007	751
HP 584057	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	2
HP 584068	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	2
HP 588094	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	39
HP 589078	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	9
HP 580129	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	68
HP 589042	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	3
HP 590113	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	9
HP 595132	2002	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2002	92

4.19.3.4 Guillemot

Site	Raw counts - individuals								
	1987	1988	1989	1991	1996	1999	2000	2004	2009
Ayre of Tonga to Tonga Stack						2			
Hermaness	14374	15074	16335	16958	13455		10439	6000	6896
Hols Hellier to The Lug						3855			
Norwick Hevda to Hols Hellier						969			
South Geo Brough to Greff						3			
The Keen to Norwick Hevda						321			

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Ayre of Tonga to Tonga Stack	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Hermaness	1987	8	10750	4565	42	5	19	3	7778	2347	30	10	2009	6896
Hols Hellier to The Lug	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3855
Norwick Hevda to Hols Hellier	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	969
South Geo Brough to Greff	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3
The Keen to Norwick Hevda	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	321

4.19.3.5 Atlantic Puffin

Site	Raw counts - burrows				
	1987	1995	1997	1999	2002
Hermaness	25413	22000	28300	2602*	23661

*These data are for individuals. It is assumed that one individual represents 1 occupied burrow

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (burrows)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Hermaness	1987	5	20395	10216	50	5	15	1	NA	NA	NA	1	2002	23661

4.20 Hoy SPA – EU code UK9002141

The Hoy SPA covers a large proportion of the island of Hoy, in western Orkney, centred at latitude 58 51 30 N and longitude 03 19 10 W. The SPA covers an area of 9499.7 ha, comprising a variety of habitats including cliffs and moorland.

4.20.1 Citation details

Date of classification – 07/12/2000

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great black-backed gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great skua	Breeding	International importance	1900 pairs	14% of the World breeding population
Arctic Skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.20.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
15 count sites, S2K data 2000				
Fulmar	0.66	0.25	decrease	mod
Great black-backed gull	0.18	0.58	unclear	
Kittiwake	1	0.50	decrease	high
Great skua	1	0.25	decrease	mod
Arctic Skua	1	0.17	decrease	low
Atlantic Puffin	NA	NA	NA	NA
Guillemot	1	0.17	decrease	low

4.20.3 Hoy SPA features summary

4.20.3.1 Fulmar

Site	Raw counts - pairs			
	1986	1999	2005	2007
Hoy RSPB Reserve			61	
HOY10		2652		
HOY11		913		
HOY12		1960		
HOY13		1467		
HOY14		1128		
HOY15		1517		
HOY16		1986		
HOY17		1538		
HOY18		36		
HOY29		265		
HOY30		1017		
HOY5		265		
HOY6		590		
HOY7		7300		
HOY8		7468		
Moss of Whitestanes	1			
Old Man of Hoy to Rora Head		2309		
Hoy - whole colony				19586

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Hoy RSPB Reserve	2005	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2005	61
HOY10	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2652
HOY11	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	913
HOY12	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1960
HOY13	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1467
HOY14	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1128
HOY15	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1517
HOY16	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1986
HOY17	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1538
HOY18	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	36
HOY29	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	265
HOY30	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1017
HOY5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	265
HOY6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	590
HOY7	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	7300
HOY8	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	7468
Moss of Whitestanes	1986	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1986	1
Old Man of Hoy to Rora Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2309
Hoy - whole colony	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	19586

4.20.3.2 Great skua

Raw counts - pairs			
1982	1992	2000	2010
1573	1900	1973	1346

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1982	4	1698	292	17	4	29	2	1660	443	27	11	2010	1346

4.20.3.3 Arctic skua

Site	Raw counts - pairs					
	1982	1992	2000	2007	2010	2011
Hoy - whole Island	406	211	72		12	
Hoy RSPB Reserve				3	0	0

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Hoy - whole Island	1982	4	175	175	100	4	29	2	42	42	101	10	2010	12
Hoy RSPB Reserve	2007	3	1	2	173	3	5	3	1	2	173	5	2011	0

4.20.3.4 Great black-backed gull

Site	Raw counts - pairs												
	1987	1990	1992	1996	1998	1999	2000	2004	2005	2007	2009	2010	2011
Bakingstone Hill							8						
Binga Fea							1						
Burn of Forse							207						
Cairn Hill							1						
Deepdale							3						
Glifters of Lyrawa 1							10						
Grutfea							1						
Hoglinns Water							1						
Hoy RSPB Reserve									16	28	16	10	
HOY7						6							
Red Hill of Sneuk							16						
Sands Water							2						
Stourdale					260		176	65	72				15
Suifea Lochs	200	50	60		23		6						
Hoy - whole Island				438									

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bakingstone Hill	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	8
Binga Fea	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1
Burn of Forse	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	207
Cairn Hill	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1
Deepdale	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	3
Glifters of Lyrawa 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	10
Grutfea	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1
Hoglinns Water	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1
Hoy Reserve RSPB	2005	4	18	8	43	4	6	4	18	8	43	6	2010	10
HOY7	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Red Hill of Sneuk	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	16
Sands Water	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2
Stourdale	1998	5	118	99	84	5	14	4	82	68	82	12	2011	15
Suifea Lochs	1987	5	68	77	113	5	14	1	NA	NA	NA	1	2000	6
Hoy - whole Island	1996	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1996	438

4.20.3.5 Kittiwake

Site	Raw counts - pairs	
	1999	2007
HOY11	4	
HOY16	20	
HOY17	397	
HOY6	36	
HOY8	282	
Old Man of Hoy to Rora Head	42	
Hoy - whole colony		397
Total (sum of counts)	781	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
HOY11	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4
HOY16	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	20
HOY17	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	397
HOY6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	36
HOY8	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	282
Old Man of Hoy to Rora Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	42
Hoy - whole colony	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	397
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	781

4.20.3.6 Guillemot

Site	Raw counts - individuals	
	1999	2007
HOY13	9	
HOY14	570	
HOY15	122	
HOY16	485	
HOY17	9385	
HOY5	35	
HOY6	6030	
HOY7	613	
HOY8	3093	
Old Man of Hoy to Rora Head	172	
Hoy - whole colony		9020
Hoy (sum of counts)	20514	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
HOY13	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	9
HOY14	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	570
HOY15	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	122
HOY16	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	485
HOY17	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	9385
HOY5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	35
HOY6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6030
HOY7	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	613
HOY8	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3093
Old Man of Hoy to Rora Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	172
Hoy - whole colony	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	9020
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	20514

4.20.3.7 Atlantic puffin

No data were available for this species. It was not counted during the Seabird 2000 census

4.21 Imperial Dock Lock SPA – EU code UK9004451

The Imperial Dock Lock SPA is located east of Edinburgh on the south bank of the Firth of Forth at latitude 55 59 00 N, and longitude 03 10 15 W. The 0.11 ha SPA is an entirely man-made site in the centre of Leith Docks, and supports a large breeding population of common tern.

4.21.1 Citation details

Date of classification – 20/04/2009

Species	Season	Qualification	Population at citation	Significance
Common tern	Breeding	National importance	558 pairs	5% of GB breeding population

4.21.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2000				
Common tern	1	0.82	increase	high

4.21.3 Imperial Dock Lock SPA features summary

4.21.3.1 Common Tern

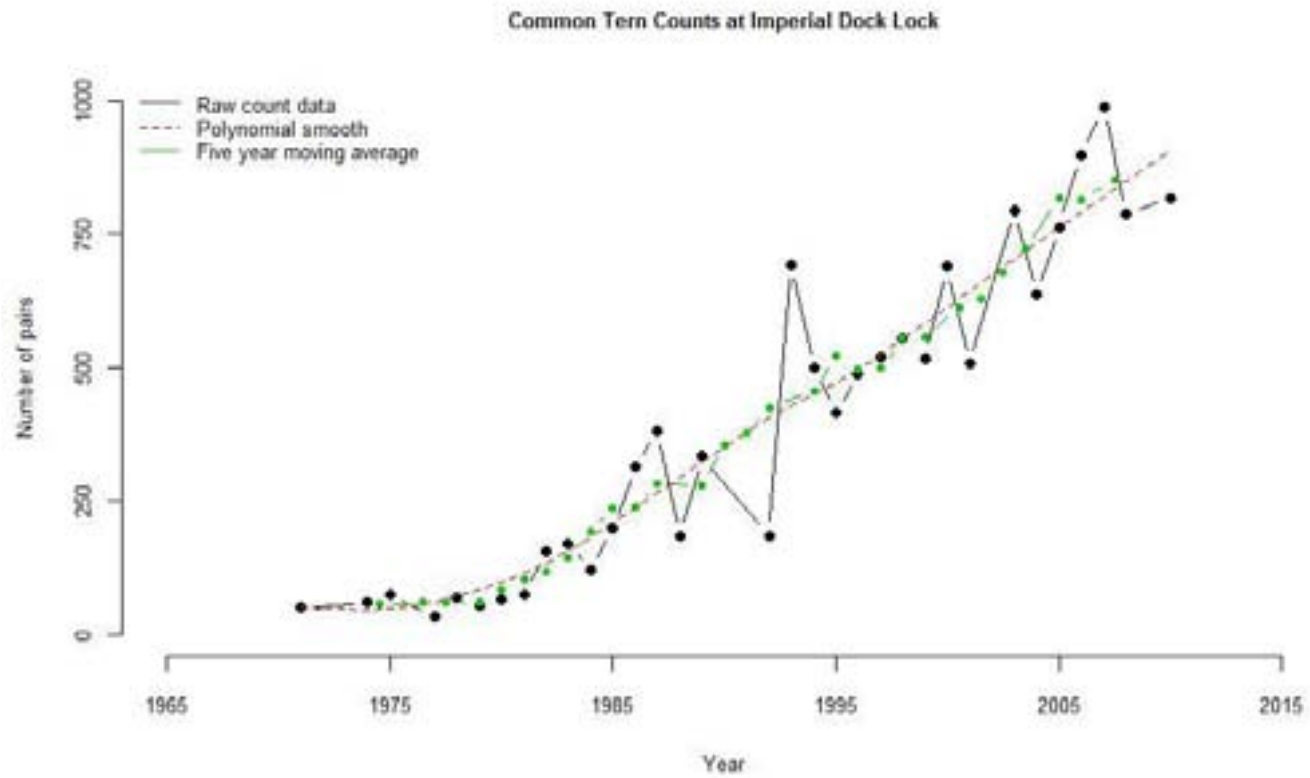
Site	Raw counts - pairs																
	1971	1974	1975	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1992
Imperial Dock	50	60	75	35	69	55	65	75	155	170	120	200	315	382	183	334	185

Site	1993	1994	1995	1996	1997	1998	1999	2000	2001	2003	2004	2005	2006	2007	2008	2010
Imperial Dock	694	499	416	488	520	554	518	690	507	795	639	764	900	989	789	818

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Imperial Dock	1971	33	852	92	11	5	6	9	766	142	19	11	2010	818

4.21.4 Trend summary for species with sufficient data at Imperial Dock Lock SPA

4.21.4.1 Common Tern



4.22 Inner Moray Firth SPA – EU code UK9001624

The Inner Moray Firth SPA is located on the east coast of Scotland, to the north of Inverness, at latitude 56 50 25 N, and longitude 04 21 15 W. The majority of the 2339.23 ha SPA comprises estuarine habitats, but with some habitat suitable for breeding terns.

4.22.1 Citation details

Date of classification – 22/03/1999

Species	Season	Qualification	Population at citation	Significance
Common tern	Breeding	National importance	310 pairs	2.5% of GB breeding population

4.22.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2000				
Common tern	1	1	decrease	very high

4.22.3 Inner Moray Firth SPA features summary

4.22.3.1 Common tern

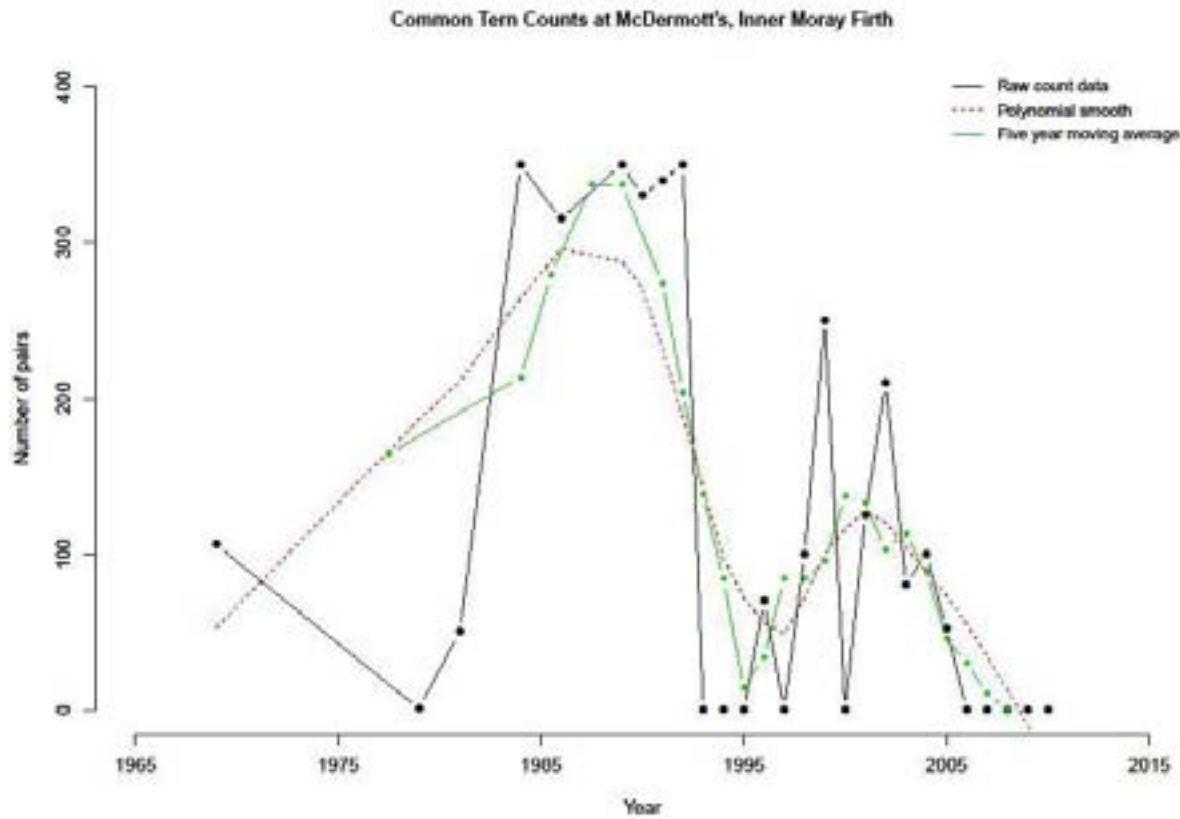
Site	Raw counts - pairs													
	1969	1979	1981	1984	1986	1989	1990	1991	1992	1993	1994	1995	1996	1997
McDermott's	106	1	50	350	315	350	330	340	350	0	0	0	70	0

Site	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
McDermott's	100	250	0	125	210	80	100	52	0	0	0	0	0

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
McDermott's	1969	27	0	0	NA	5	5	11	52	70	137	11	2010	0

4.22.4 Trend summary for species with sufficient data at Inner Moray Firth SPA

4.22.4.1 Common Tern



4.23 Loch of Strathbeg SPA - EU code UK9002211

The Loch of Strathbeg SPA is located on the coast of North-East Scotland, at latitude 57 37 24 N and longitude 01 53 00 W. The SPA covers 615.94 ha of habitat mainly suitable for aggregations of wildfowl, but coastal parts of the site support breeding terns.

4.23.1 Citation details

Date of classification – 27/11/95

Species	Season	Qualification	Population at citation	Significance
Sandwich tern	Breeding	National importance	530 pairs (5 year mean – 1993-1997)	3.8% of GB breeding population

4.23.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2000				
Sandwich tern	1	1	Stable - no birds present since S2K	very high

4.23.3 Loch of Strathbeg SPA features summary

4.23.3.1 Sandwich tern

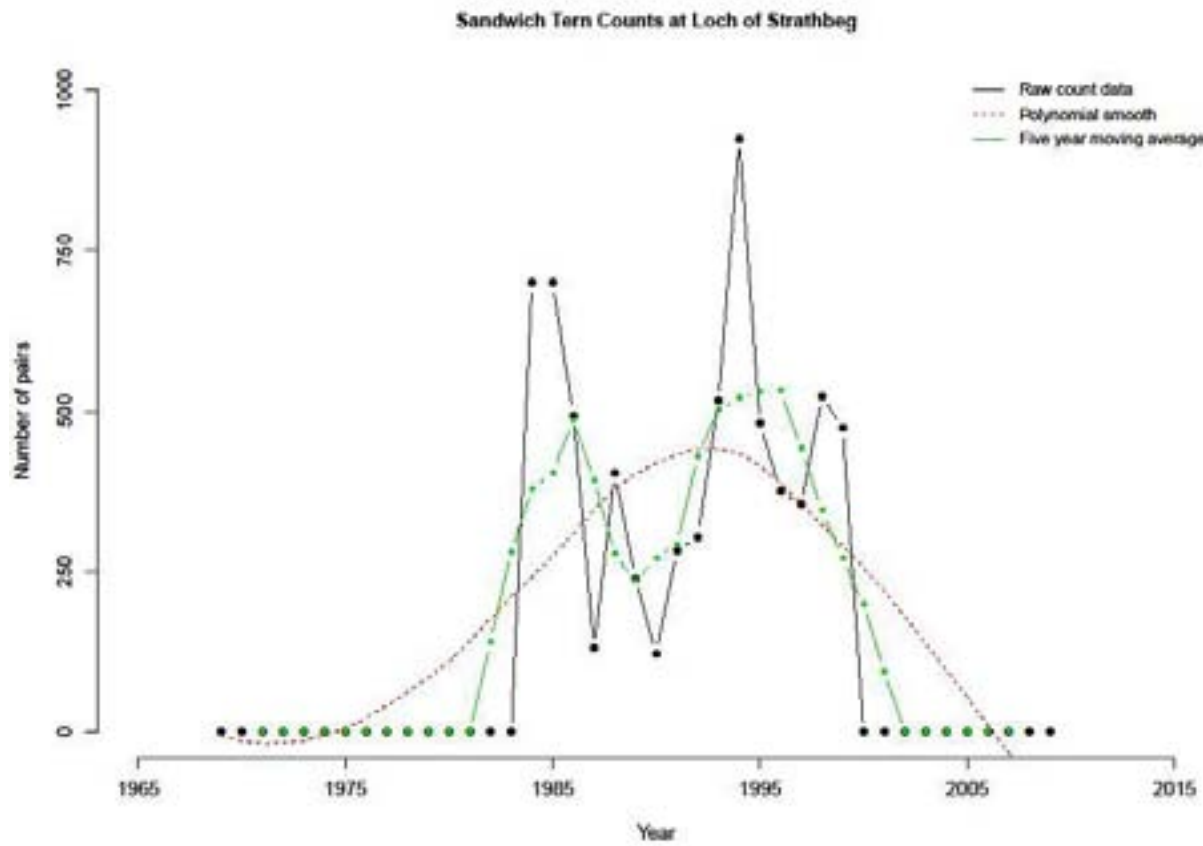
Raw counts - pairs																				
1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	700	700	493	130	404	239

1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009
121	283	304	515	923	481	375	355	523	473	0	0	0	0	0	0	0	0	0	0

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1969	41	0	0	0	5	5	10	0	0	0	10	2009	0

4.23.4 Trend summary for species with sufficient data at Loch of Strathbeg SPA

4.23.4.1 Sandwich Tern



4.24 Marwick Head SPA – EU code UK9002121

Marwick Head SPA is located on the west coast of Mainland, Orkney, at latitude 59 06 20 N, longitude 03 21 00 W. The SPA is made up of 8.7 ha of cliff habitat.

4.24.1 Citation details

Date of classification – 16/12/1994

Species	Season	Qualification	Population at citation	Significance
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	International importance	24388 pairs (count as at 1994)	1.1% of East Atlantic breeding population

4.24.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Kittiwake	1	0.33	decrease	mod
Guillemot	1	0.25	decrease	mod

4.24.3 Marwick Head SPA features summary

4.24.3.1 Kittiwake

Raw counts - pairs							
1986	1991	1994	1997	1999	2003	2006	2009
5509	5698	5012	4543	5573	3860	2185	2018

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	8	3636	1529	42	5	13	4	3409	1665	49	11	2009	2018

4.24.3.2 Guillemot

Raw counts - individuals				
1986	1991	1999	2004	2006
26350	30854	34679	10476	16817

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	23835	10011	42	5	21	3	20657	12550	61	8	2006	16817

4.25 Mingulay and Berneray SPA – EU code UK9001121

The Mingulay and Berneray SPA is located at the southern end of the Outer Hebrides chain, south of Barra, at latitude 56 48 18 N and longitude 07 38 33 W. The SPA covers an area of 911.07 ha, comprising cliffs and stacks topped with maritime grassland.

4.25.1.1 Citation details

Date of classification – 16/12/1994

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Shag	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Razorbill	Breeding	International importance	11323 pairs (count as at 1985)	2% of European breeding population

4.25.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
2 count site, S2K data 1998				
Fulmar	0.8	0.38	decrease	mod
Shag	0.8	0.38	decrease	mod
Kittiwake	0.8	0.38	decrease	mod
Atlantic Puffin	0.7	0.38	decrease	mod
Guillemot	0.8	0.38	unclear	
Razorbill	0.8	0.38	decrease	mod

4.25.3 Mingulay and Berneray SPA features summary

4.25.3.1 Fulmar

Site	Raw counts - pairs						
	1985	1994	1998	2003	2009	2010	2011
Berneray1	1457	1335	1596	3397	1563		
Mingulay1	9000	11191	8424	11626	7483	7406	6588
Total (sum of counts)	10457	12526	10020	15023	9046		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Berneray1	1985	5	1870	860	46	5	25	3	2185	1049	48	12	2009	1563
Mingulay1	1985	7	8305	1967	24	5	14	5	8305	1967	24	14	2011	6588
Total (sum of counts)	1985	5	11414	2384	21	5	25	3	11363	3207	28	12	2009	9046

4.25.3.2 Shag

Site	Raw counts - pairs						
	1985	1994	1998	2003	2009	2010	2011
Berneray1	221	40	95	49	51		
Mingulay1	500	190	186	281	64	136	92
Total (sum of counts)	721	230	281	330	115		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Berneray1	1985	5	91	76	83	5	25	3	65	26	40	12	2009	51
Mingulay1	1985	7	152	86	56	5	14	5	152	86	56	14	2011	92
Total (sum of counts)	1985	5	335	230	69	5	25	3	242	113	47	12	2009	115

4.25.3.3 Kittiwake

Site	Raw counts - pairs						
	1985	1994	1998	2003	2009	2010	2011
Berneray1	5114	1019	2613	2035	1032		
Mingulay1	3500	3259	2898	2939	1196	984	1196
Total (sum of counts)	8614	4278	5511	4974	2228		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Berneray1	1985	5	2363	1682	71	5	25	3	1893	800	42	12	2009	1032
Mingulay1	1985	7	1843	986	54	5	14	5	1843	986	54	14	2011	1196
Total (sum of counts)	1985	5	5121	2316	45	5	25	3	4238	1761	42	12	2009	2228

4.25.3.4 Guillemot

Site	Raw counts - individuals						
	1985	1994	1998	2003	2009	2010	2011
Berneray1	19881		19083	27853	13237		
Mingulay1	11000	13361	13507	16512	6952	6630	7880
Total (sum of counts)	30881		32590	44365	20189		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (individuals)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Berneray1	1985	4	20014	6007	30	4	25	3	20058	7357	37	12	2009	13237
Mingulay1	1985	7	10296	4456	43	5	14	5	10296	4456	43	14	2011	7880
Total (sum of counts)	1985	4	32006	9899	31	4	25	3	32381	12089	37	12	2009	20189

4.25.3.5 Razorbill

Site	Raw counts - individuals						
	1985	1994	1998	2003	2009	2010	2011
Berneray1	11893		16513	19579	11854		
Mingulay1	5000	7110	6387	14201	3237	2237	5691
Total (sum of counts)	16893		22900	33780	15091		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (individuals)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Berneray1	1985	4	14960	3777	25	4	25	3	15982	3890	24	12	2009	11854
Mingulay1	1985	7	6351	4709	74	5	14	5	6351	4709	74	14	2011	5691
Total (sum of counts)	1985	4	22166	8432	38	4	25	3	23924	9386	39	12	2009	15091

4.25.3.6 Atlantic Puffin

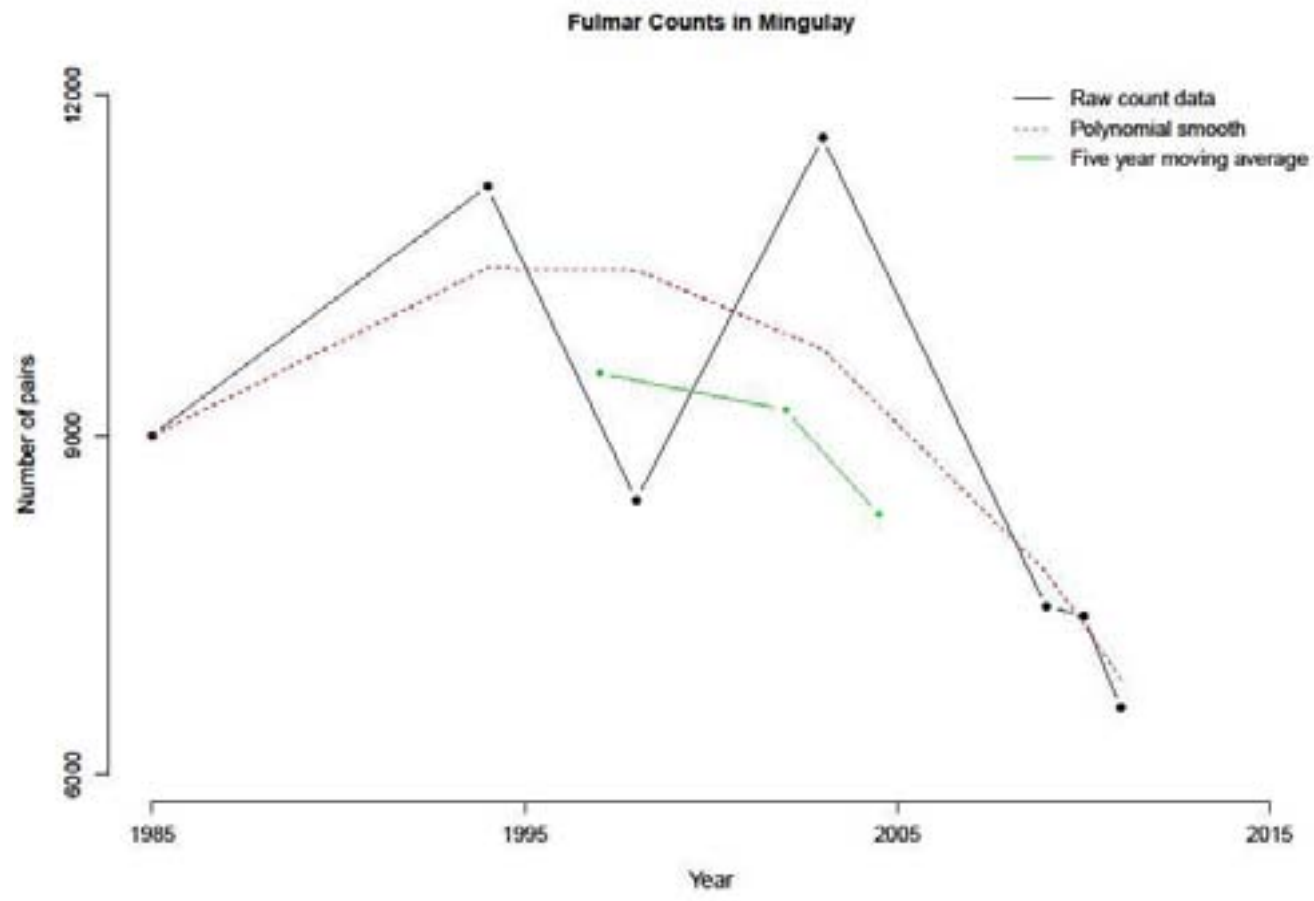
Site	Raw counts - individuals				
	1998	2003	2009	2010	2011
Berneray1	1979	5036	2498		
Mingulay1	3827*		628	85	971
Total (sum of counts)	5806		3126		

*These data include a mixture of counts of individuals and counts of apparently occupied burrows. 1 individual is assumed to equate to 1 occupied burrow

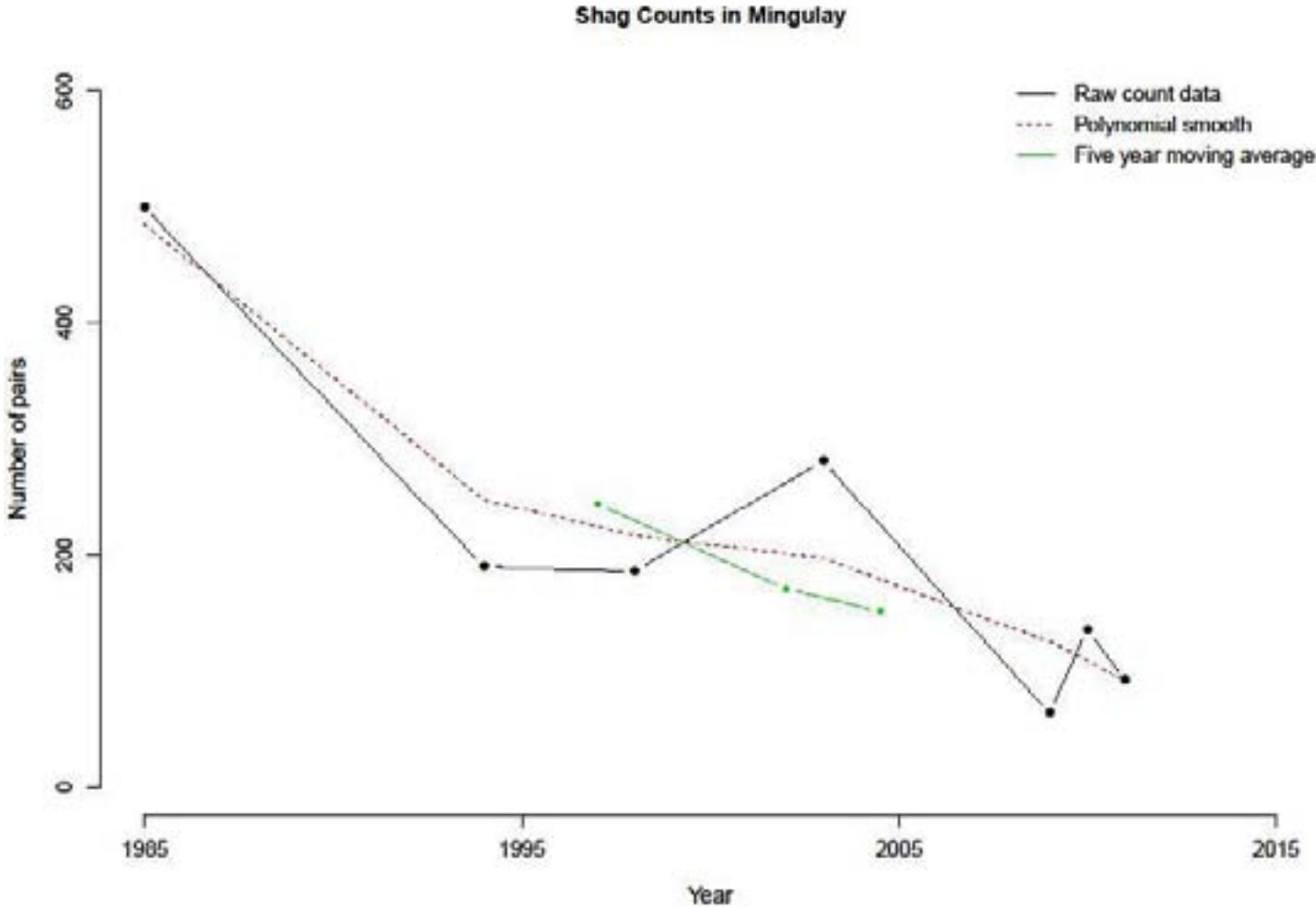
Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Berneray1	1998	3	3171	1636	52	3	12	3	3171	1636	52	12	2009	2498
Mingulay1	1998	4	1378	1673	121	4	14	4	1378	1673	121	14	2011	971
Total (sum of counts)	1998	2	4466	1895	42	2	12	2	4466	1895	42	12	2009	3126

4.25.4 Trend summary for species with sufficient data at Mingulay and Berneray SPA

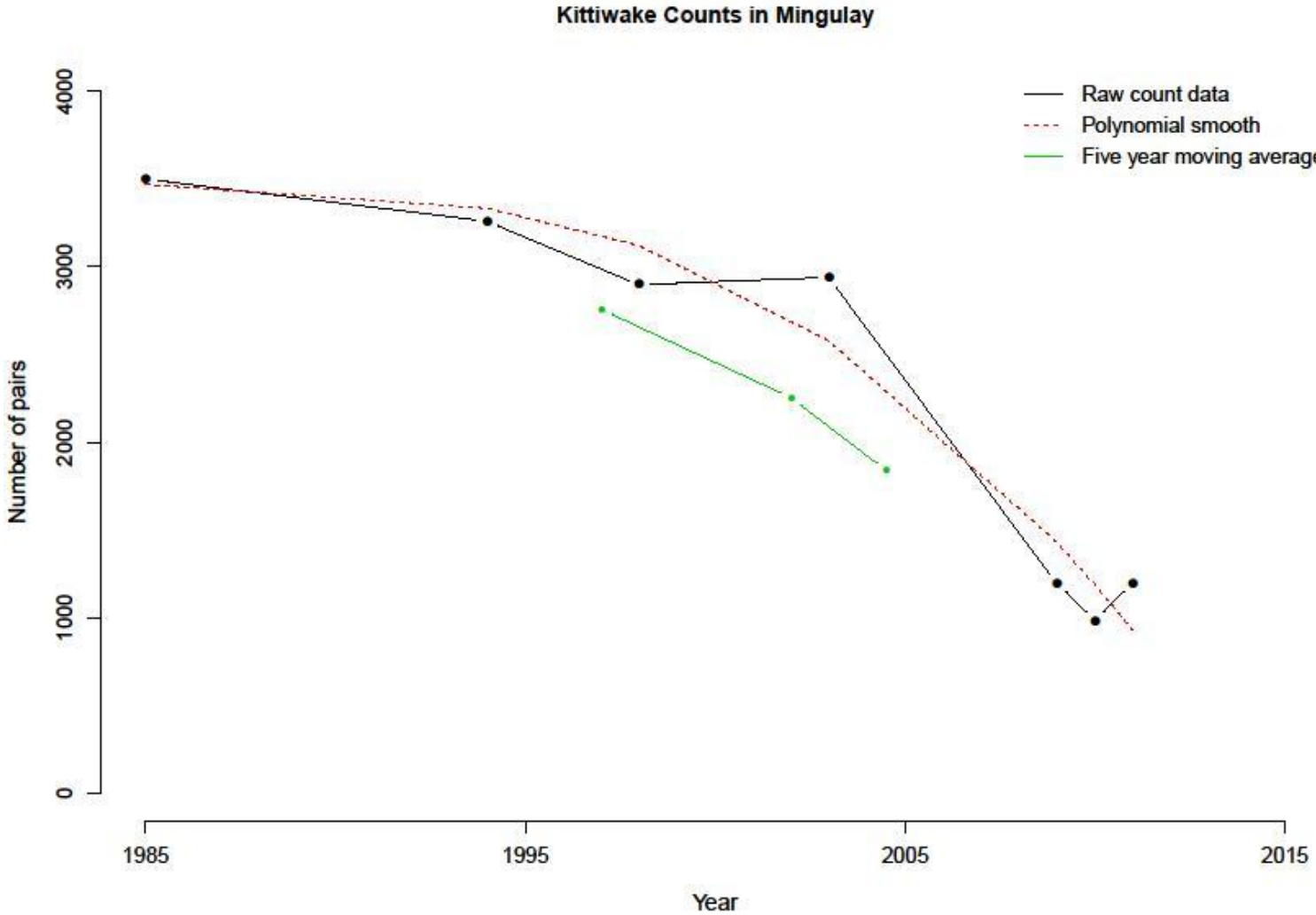
4.25.4.1 Fulmar



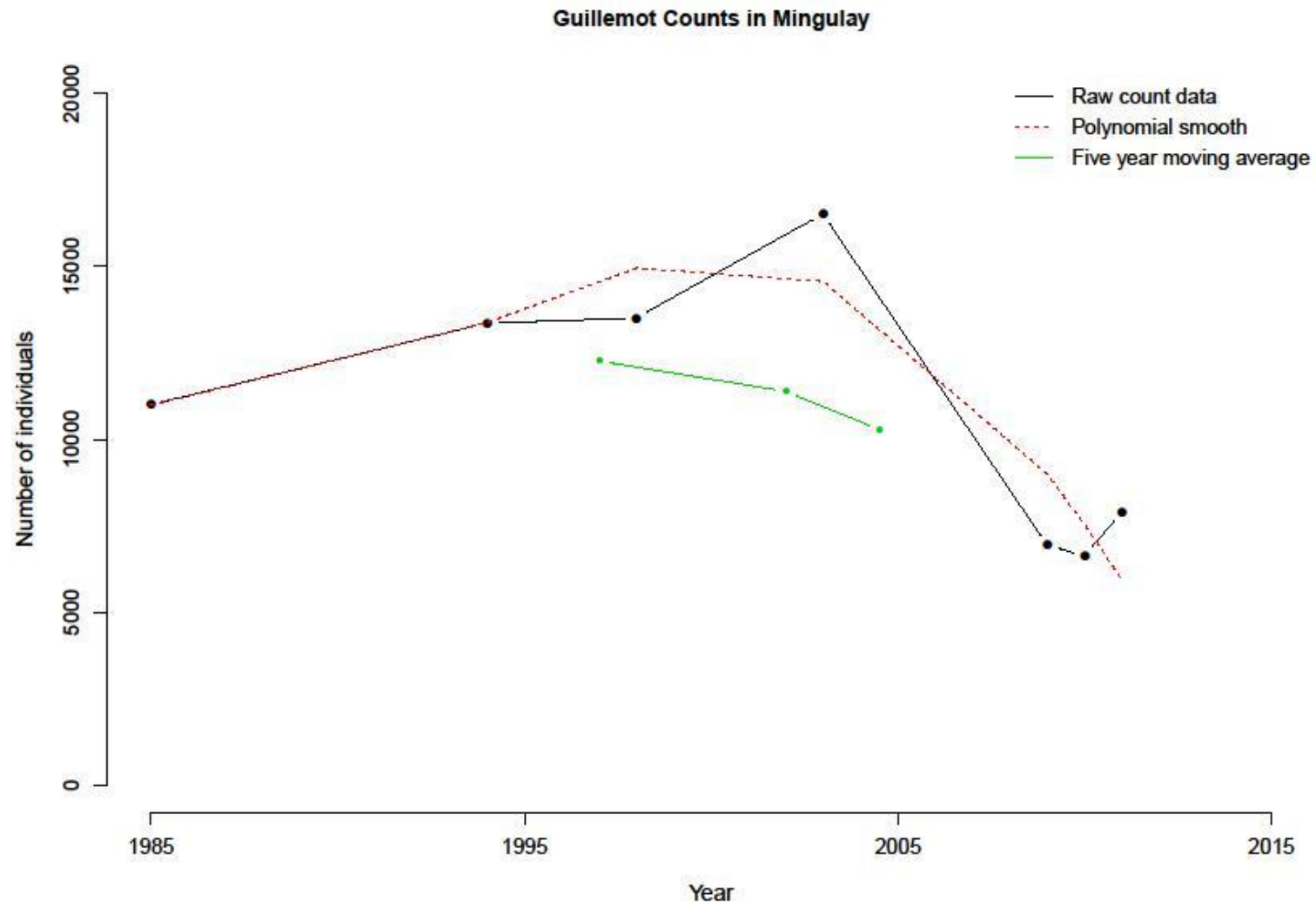
4.25.4.2 Shag



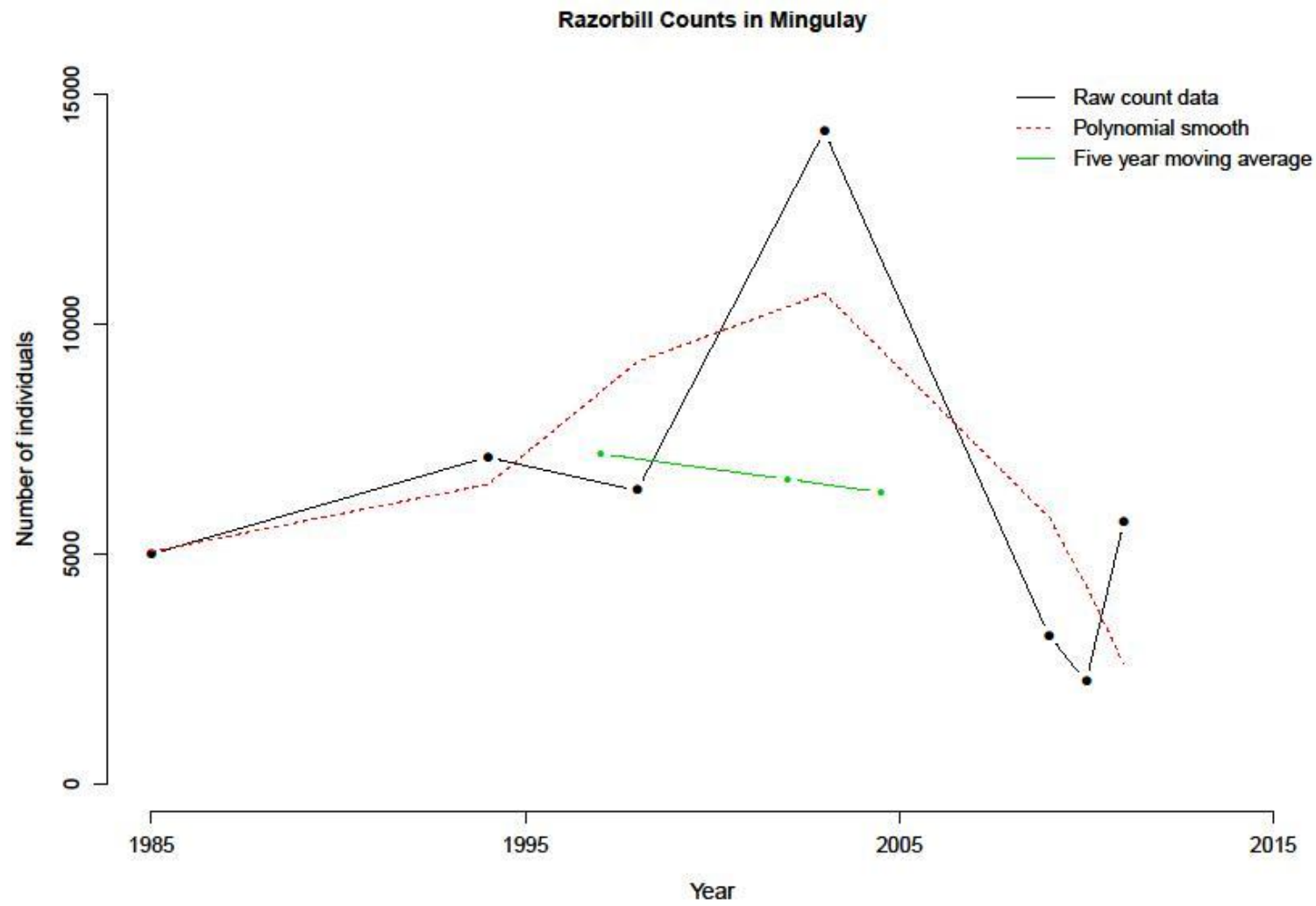
4.25.4.3 Kittiwake



4.25.4.4 Guillemot



4.25.4.5 Razorbill



4.26 Monach Isles SPA – EU code UK9001071

The Monach Isles SPA is made up of five islands located off the west coast of Outer Hebrides, at latitude 57 31 30 N, and longitude 07 36 30 W. The SPA covers an area of 595.74 ha, comprising several habitats suitable for breeding terns.

4.26.1.1 Citation details

Date of classification – 19/09/1994

Species	Season	Qualification	Population at citation	Significance
Common tern	Breeding	National importance	194 pairs (count as at 1985)	1.6% of GB breeding population
Little tern	Breeding	National importance	26 pairs (count as at 1992)	1.1% of GB breeding population

4.26.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Common tern	1	0.08	unclear	
Little tern	1	0.21	unclear	

4.26.3 Monach Islands SPA features summary

4.26.3.1 Common tern

Site	Raw counts - pairs
	2001
Ceann Ear 5	1

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Ceann Ear 5	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	1

4.26.3.2 Little tern

Raw counts - Pairs						
1977	1978	1980	1982	1991	1992	2001
20	10	45	18	15	26	2

Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1977	7	21	16	75	5	22	1	NA	NA	NA	1	2001	2

4.27 Mousa SPA – EU code UK9002361

The Mousa SPA covers the island of Mousa, located off the east coast of Mainland, Shetland, at latitude 60 00 00 N and longitude 01 10 20 W. The SPA covers an area of 197.98 ha, comprising a variety of habitats suitable for breeding seabirds.

4.27.1 Citation details

Date of classification – 27/11/1995

Species	Season	Qualification	Population at citation	Significance
Arctic tern	Breeding	National importance	767 pairs (count as at 1994)	1.7% of GB breeding population
Storm petrel	Breeding	National importance	6760 pairs (count as at 1996)	8.0% of GB breeding population

4.27.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1998				
Arctic tern	1	1	increase	very high
Storm petrel	1	0.09	unclear	

4.27.3 Mousa SPA features summary

4.27.3.1 European storm petrel

Raw count - pairs	
1996	2008
5410	11781

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1996	5410	8596	4505	52	2	13	1	NA	NA	NA	1	2008	11781

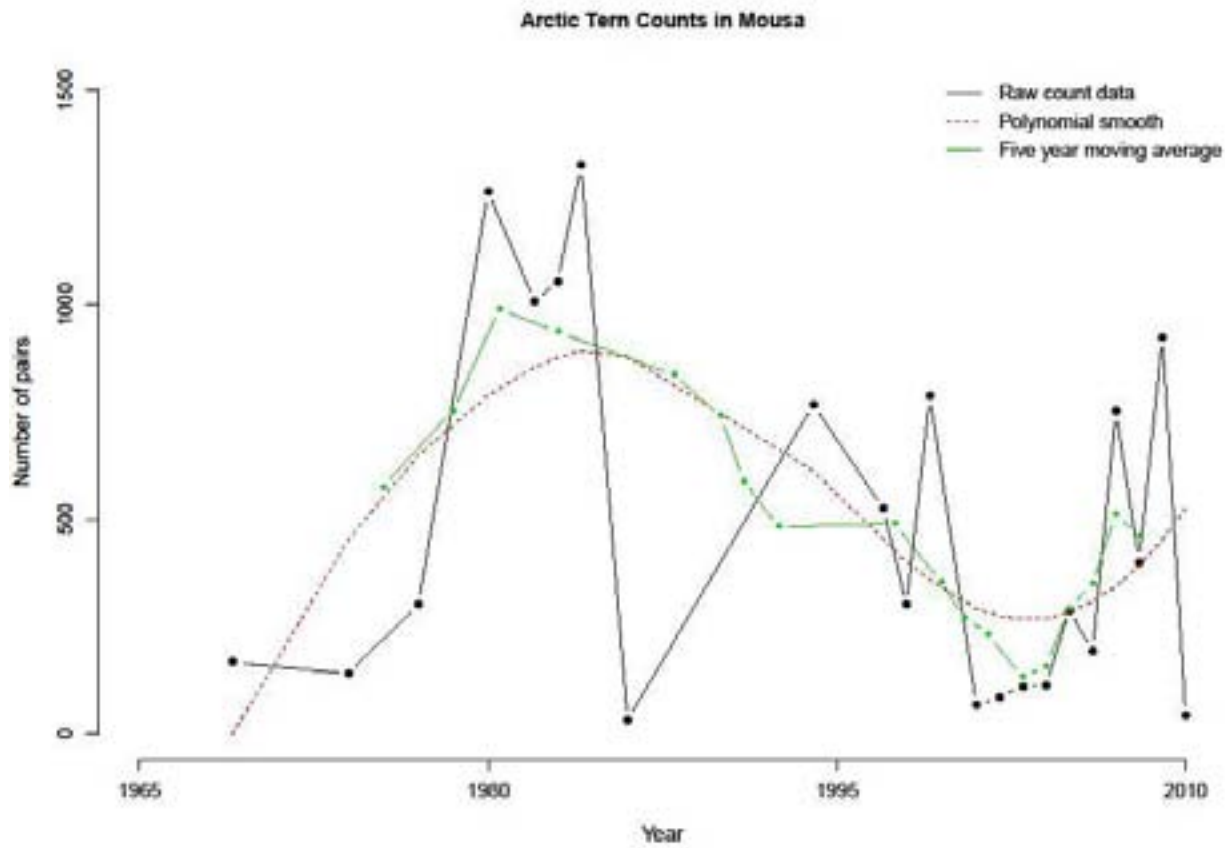
4.27.3.2 Arctic tern

Raw counts - pairs																					
1969	1974	1977	1980	1982	1983	1984	1986	1994	1997	1998	1999	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
167	140	300	1264	1009	1054	1327	31	767	526	300	787	67	85	110	113	287	194	751	400	925	42

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1969	22	462	371	80	5	5	10	297	308	104	10	2010	42

4.27.4 Trend summary for species with sufficient data at Mousa SPA

4.27.4.1 Arctic tern



4.28 North Caithness Cliffs SPA – EU code UK9001181

The North Caithness Cliffs SPA is located on the north eastern corner of Caithness and the western coast of the island of Stroma in the Pentland Firth, at latitude 58 39 00 N and longitude 03 24 30 W. The SPA comprises cliff habitats, stacks and geos, and covers an area of 557.73 ha.

4.28.1 Citation details

Date of classification – 16/08/1996

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	International importance	26994 pairs (count as at 1997)	1.2% of East Atlantic breeding population
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.28.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
15 count site, S2K data 1998				
Fulmar	0.38	0.25	unclear	
Kittiwake	0.5	0.18	unclear	
Atlantic Puffin	0.5	0.18	unclear	
Guillemot	0.46	0.18	unclear	
Razorbill	0.46	0.18	unclear	

4.28.3 North Caithness Cliffs SPA features summary

4.28.3.1 Fulmar

Site	Raw counts - pairs						
	1986	1990	1993	1999	2000	2001	2002
Duncansby Head					495		
Dunnet Head 1					595		
Dunnet Head 2					463		
Dunnet Head 3					1045		
Dunnet Head 4					2149		
Dunnet Head 5					1213		
Holburn Head 1					298		
Holburn Head 2					494		
Holburn Head 3					193		
Melvich 1					258		
Melvich 2					241		
Melvich 3					1727		
Sandside Head 1					341		
Skirza Head				666			
Stacks of Duncansby				3472			
Stroma Island	1032	1098	2439		300	208	285

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Duncansby Head	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	495
Dunnet Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	595
Dunnet Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	463
Dunnet Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1045
Dunnet Head 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2149
Dunnet Head 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1213
Holburn Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	298
Holburn Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	494
Holburn Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	193
Melvich 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	258
Melvich 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	241
Melvich 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1727
Sandside Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	341
Skirza Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	666
Stacks of Duncansby	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3472
Stroma Island	1986	6	866	951	110	5	13	3	264	49	19	3	2002	285

4.28.3.2 Kittiwake

Site	Raw data - pairs		
	1999	2000	2001
Duncansby Head	1134		
Dunnet Head 3		2530	
Holburn Head 2		121	
Holburn Head 3		18	
Melvich 1		717	
Melvich 2		65	
Melvich 3		1248	
Sandside Head 1		1301	
Sandside Head 2		186	
Skirza Head	2006		
Stroma Island		821	634

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Duncansby Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1134
Dunnet Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2530
Holburn Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	121
Holburn Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	18
Melvich 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	717
Melvich 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	65
Melvich 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1248
Sandside Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1301
Sandside Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	186
Skirza Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2006
Stroma Island	2000	2	728	132	18	2	2	2	728	132	18	2	2001	634

4.28.3.3 Guillemot

Site	Raw counts - individuals				
	1986	1993	1999	2000	2001
Duncansby Head				22406	
Dunnet Head 2				290	
Dunnet Head 3				8690	
Dunnet Head 5				13	
Holburn Head 2				720	
Holburn Head 3				44	
Melvich 1				1414	
Melvich 2				309	
Melvich 3				2771	
Sandside Head 1				1653	
Sandside Head 2				3375	
Skirza Head			10980		
Stacks of Duncansby			2729		
Stroma Island	13600	13563		14760	16714

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count - (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Duncansby Head	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	22406
Dunnet Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	290
Dunnet Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	8690
Dunnet Head 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	13
Holburn Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	720
Holburn Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	44
Melvich 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1414
Melvich 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	309
Melvich 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2771
Sandside Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1653
Sandside Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	3375
Skirza Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	10980
Stacks of Duncansby	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2729
Stroma Island	1986	4	14659	1478	10	4	16	2	15737	1382	9	2	2001	16714

4.28.3.4 Razorbill

Site	Raw counts - individuals		
	1999	2000	2001
Duncansby Head		456	
Dunnet Head 1		14	
Dunnet Head 2		13	
Dunnet Head 3		402	
Dunnet Head 5		4	
Holburn Head 2		66	
Holburn Head 3		7	
Melvich 1		158	
Melvich 2		11	
Melvich 3		89	
Sandside Head 1		67	
Sandside Head 2		126	
Skirza Head	440		
Stacks of Duncansby	333		
Stroma Island		280	610

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Duncansby Head	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	456
Dunnet Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	14
Dunnet Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	13
Dunnet Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	402
Dunnet Head 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	4
Holburn Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	66
Holburn Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	7
Melvich 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	158
Melvich 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	11
Melvich 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	89
Sandside Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	67
Sandside Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	126
Skirza Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	440
Stacks of Duncansby	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	333
Stroma Island	2000	2	445	233	52	2	2	2	445	233	52	2	2001	610

4.28.3.5 Atlantic Puffin

Site	Raw counts - individuals	
	1999	2000
Duncansby Head	4	
Dunnet Head 1		28
Dunnet Head 2		20
Dunnet Head 3		402
Dunnet Head 4		175
Holburn Head 2		6
Holburn Head 3		14
Melvich 1		101
Melvich 2		5456
Melvich 3		622
Stacks of Duncansby	217	
Stroma Island		26

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Duncansby Head	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4
Dunnet Head 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	28
Dunnet Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	20
Dunnet Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	402
Dunnet Head 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	175
Holburn Head 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	6
Holburn Head 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	14
Melvich 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	101
Melvich 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	5456
Melvich 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	622
Stacks of Duncansby	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	217
Stroma Island	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	26

4.29 North Colonsay and Western Cliffs SPA – EU code UK9003171

The North Colonsay and Western Cliffs SPA is located on the northern part of the island of Colonsay, in the Inner Hebrides, at latitude 56 06 28 N and longitude 06 10 00 W. The SPA covers an area of 973.96 ha. The site comprises many habitats, of which cliffs are of the greatest importance to breeding seabirds.

4.29.1 Citation details

Date of classification – 24/03/1997

Species	Season	Qualification	Population at citation	Significance
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.29.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Kittiwake	1	0.09	unclear	
Guillemot	0.54	0.18	unclear	

4.29.3 North Colonsay and Western Cliffs SPA features summary

4.29.3.1 Kittiwake

Site	Raw counts - pairs	
	1986	2000
Pigs Paradise 10		776
Pigs Paradise 11		836
Pigs Paradise 12		59
Pigs Paradise 13		221
Pigs Paradise 4		41
Pigs Paradise 5		544
Pigs Paradise 6		1530
Pigs Paradise 7		330
Pigs Paradise 9		472
Uragaig Cliffs	282	754
Total (sum of counts)		5563

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Pigs Paradise 10	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	776
Pigs Paradise 11	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	836
Pigs Paradise 12	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	59
Pigs Paradise 13	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	221
Pigs Paradise 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	41
Pigs Paradise 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	544
Pigs Paradise 6	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1530
Pigs Paradise 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	330
Pigs Paradise 9	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	472
Uragaig Cliffs	1986	2	518	334	64	2	15	1	NA	NA	NA	1	2000	754
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	5563

4.29.3.2 Guillemot

Site	Raw counts - individuals					
	1986	1997	1998	1999	2000	2001
Kiloran Bay - North		63	54	75	75	68
Pigs Paradise 10					2581	
Pigs Paradise 11					1930	
Pigs Paradise 12					310	
Pigs Paradise 13					1427	
Pigs Paradise 4					465	
Pigs Paradise 5					1222	
Pigs Paradise 6					6699	
Pigs Paradise 7					1062	
Pigs Paradise 9					2047	
Uragai Cliffs	486				1839	
Total (sum of counts)					19657	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count - (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Kiloran Bay North	1997	5	67	9	13	5	16	3	73	4	6	3	2001	68
Pigs Paradise 10	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2581
Pigs Paradise 11	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1930
Pigs Paradise 12	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	310
Pigs Paradise 13	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1427
Pigs Paradise 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	465
Pigs Paradise 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1222
Pigs Paradise 6	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	6699
Pigs Paradise 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1062
Pigs Paradise 9	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2047
Uragai Cliffs	1986	1	1163	957	82	2	15	1	NA	NA	NA	1	2000	1839
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	19657

4.30 North Rona and Sula Sgeir SPA – EU code UK9001011

The North Rona and Sula Sgeir SPA, made up of the two islands of North Rona and Sula Sgeir, is located approximately 65 miles north of the island of Lewis in the Outer Hebrides, at 59 06 35 N, longitude 05 59 27 W. The SPA comprises cliff, stack, geo and grassland habitats supporting a wide variety of seabirds. The area covered by the designation will be confirmed upon its designation.

4.30.1 Citation details

Date of classification – 30/10/2001

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Northern Gannet	Breeding	International importance	9000 pairs	3.4% of North Atlantic breeding population
Storm petrel	Breeding	International importance	1000 pairs (SCR 1986-1988)	1.2% of GB breeding population
Leach's storm petrel	Breeding	International importance	2750 pairs (SCR 1986-1988)	5.0% of GB breeding population
Great black-backed gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	International importance	28994 pairs	1.3% of East Atlantic breeding population
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.30.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
2 count sites, S2K data 1998 - 2000				
Fulmar	1	0.18	decrease	low
Northern Gannet	1	0.18	decrease	low
Storm petrel	1	0.09	unclear	
Leach's storm petrel	1	0.18	decrease	low
Great black-backed gull	0.66	0.25	decrease	mod
Kittiwake	0.63	0.25	decrease	mod
Atlantic Puffin	0.5	0.16	unclear	
Guillemot	0.75	0.16	decrease	low
Razorbill	0.75	0.16	decrease	low

4.31 North Rona and Sula Sgeir SPA features summary

4.31.1.1 European storm petrel

Site	Raw count - pairs
	2001
North Rona	371
Sula Sgeir	9
Total (sum of counts)	380

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
North Rona	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	371
Sula Sgeir	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	9
Total (sum of counts)	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	380

4.31.1.2 Leach's storm petrel

Site	Raw counts - pairs	
	2001	2009
North Rona	1133	713
Sula Sgeir	5	0
Total (sum of counts)	1138	713

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
North Rona	2001	2	923	297	32	2	9	2	923	297	32	9	2009	713
Sula Sgeir	2001	2	3	4	141	2	9	2	3	4	141	9	2009	0
Total (sum of counts)	2001	2	926	301	32	2	9	2	926	301	32	9	2009	713

4.31.1.3 Fulmar

Raw counts - pairs		
1986	1998	2005
3738	3520	2616

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	3	3291	595	18	3	20	2	3068	639	21	8	2005	2616

4.31.1.4 Northern gannet

Raw counts - pairs			
1985	1994	1999	2004
9143	10440	10703	9225

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1985	4	9878	809	8	4	20	2	9964	1045	10	6	2004	9225

4.31.1.5 Great black-backed gull

Site	Raw counts - pairs					
	1986	1993	1995	1998	2005	2009
North Rona	733	851	575	983	551	350
Sula Sgeir	3			0		
Total (sum of counts)	736			983		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
North Rona	1986	6	662	253	38	5	17	3	628	323	52	12	2009	350
Sula Sgeir	1986	2	2	2	141	2	13	1	NA	NA	NA	1	1998	0
Total (sum of counts)	1986	2	860	175	20	2	13	1	NA	NA	NA	1	1998	983

4.31.1.6 Kittiwake

Site	Raw count - pairs					
	1986	1993	1998	2001	2005	2009
North Rona	3971	4248	2913	3398	1837	852
Sula Sgeir	1065		1206			
Total (sum of counts)	5036		4119			

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
North Rona	1986	6	2650	1330	50	5	17	4	2250	1138	51	12	2009	852
Sula Sgeir	1986	2	1136	100	9	2	13	1	NA	NA	NA	1	1998	1206
Total (sum of counts)	1986	2	4578	648	14	2	13	1	NA	NA	NA	1	1998	4119

4.31.1.7 Guillemot

Site	Raw counts - individuals			
	1986	1995	1998	2005
North Rona	17802	11265	10497	6113
Sula Sgeir	25382		20877	
Total (sum of counts)	43184		31374	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
North Rona	1986	4	11419	4823	42	4	20	2	8305	3100	37	8	2005	6113
Sula Sgeir	1986	2	23130	3186	14	2	13	1	NA	NA	NA	1	1998	20877
Total (sum of counts)	1986	2	37279	8351	22	2	13	1	NA	NA	NA	1	1998	31374

4.31.1.8 Razorbill

Site	Raw counts - individuals		
	1986	1998	2005
North Rona	1519	824	543
Sula Sgeir	790	801	
Total (sum of counts)	2309	1625	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (individuals)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
North Rona	1986	3	962	502	52	3	20	2	684	199	29	8	2005	543
Sula Sgeir	1986	2	796	8	1	2	13	1	NA	NA	NA	1	1998	801
Total (sum of counts)	1986	2	1967	484	25	2	13	1	NA	NA	NA	1	1998	1625

4.31.1.9 Atlantic Puffin

Site	Raw counts - burrows		
	1986	1998	2001
North Rona			5265
Sula Sgeir	500	177	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (burrows)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
North Rona	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	5265
Sula Sgeir	1986	2	339	228	67	2	12	1	NA	NA	NA	1	1998	177

4.32 Noss SPA – EU code UK9002081

The Noss SPA covers the island of Noss, on the eastern coast of Shetland, located at latitude 60 08 40 N, longitude 01 01 00 W. The SPA covers 343.82 ha, and comprises cliff, grassland and moorland habitats.

4.32.1 Citation details

Date of classification – 16/08/1996

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Northern Gannet	Breeding	International importance	7310 pairs (count as at 1994)	2.8% of North Atlantic breeding population
Great skua	Breeding	International importance	410 pairs (count as at 1997)	3.0% of World breeding population
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	International importance	30619 pairs (count as at 1996)	1.4% of East Atlantic breeding population

4.32.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count sites, S2K data 1998 - 2000				
Fulmar	1	0.33	decrease	mod
Northern Gannet	1	0.25	increase	mod
Great skua	1	0.16	decrease	low
Kittiwake	1	0.33	decrease	mod
Atlantic Puffin	1	0.25	decrease	mod
Guillemot	1	0.33	decrease	mod

4.32.3 Noss SPA features summary

4.32.3.1 Fulmar

Raw counts - pairs					
1987	1993	1998	2002	2006	2011
6347	5871	4999	5169	6144	5248

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1987	6	5486	494	10	5	19	4	5390	513	10	14	2011	5248

4.32.3.2 Northern gannet

Raw counts - pairs					
1989	1992	1994	1999	2003	2008
7218	6856	7310	8017	8652	9767

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1989	6	8120	1147	14	5	17	3	8812	886	10	10	2008	9767

4.32.3.3 Great skua

Raw counts - pairs	
2001	2007
432	365

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2001	2	399	47	12	2	7	2	399	47	12	7	2007	365

4.32.3.4 Kittiwake

Raw counts - pairs							
1985	1990	1994	1995	1998	2000	2005	2010
9438	6037	3900	3939	2889	2395	1427	507

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1985	8	2231	1322	59	5	16	3	1443	944	65	11	2010	507

4.32.3.5 Guillemot

Raw counts - individuals						
1986	1991	1996	2001	2004	2005	2009
37680	38967	45696	45777	22251	24138	22065

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	7	31985	12579	39	5	14	4	28558	11518	40	9	2009	22065

4.32.3.6 Atlantic Puffin

Raw counts - individuals			
1986	1999	2006	2007
1891	1892	1927	802

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	1628	551	34	4	22	3	1540	640	42	9	2007	802

4.33 Papa Stour SPA – EU code UK9002051

The Papa Stour SPA covers the island of Papa Stour, in western Shetland, located at latitude 60 20 10 N, longitude 01 42 00 W. The SPA covers an area of 569.03 ha, and comprises a variety of habitats, of which grassland is on major importance to breeding seabirds.

4.33.1 Citation details

Date of classification – 27/03/2000

Species	Season	Qualification	Population at citation	Significance
Arctic tern	Breeding	National importance	1000 pairs	2.3% of GB breeding population

4.33.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Arctic tern	1	0.09	unclear	

4.33.3 Papa Stour SPA features summary

4.33.3.1 Arctic tern.

Raw counts - individuals	
Site	2000
Airstrip	140
Christie's Hole	118
Cullavoe Dale	290
Cullavoe East	130
Gardie North	105
Gardie Water East	170
Hamnavoe North Beach	44
Lamba Ness	30
Little Virda Field	16
Lochs of Aesha	60
Mauns Hill Southwest	180
North Ness East	31
North Ness West	42
Quida Ness	190
Robie's Noust	60
The Creed	160
Total (sum of counts)	1766

Site	Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Airstrip	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	140
Christie's Hole	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	118
Cullavoe Dale	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	290
Cullavoe East	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	130
Gardie North	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	105
Gardie Water East	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	170
Hamnavoe North Beach	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	44
Lamba Ness	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	30
Little Virda Field	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	16
Lochs of Aesha	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	60
Mauns Hill Southwest	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	180
North Ness East	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	31
North Ness West	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	42
Quida Ness	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	190
Robie's Noust	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	60
The Creed	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	160
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1766

4.34 Papa Westray SPA – EU code UK9002111

The Papa Westray SPA covers the islands of Papa Westray and The Holm, in northern Orkney, located at latitude 59 22 40 N, longitude 02 52 45 W. The SPA covers an area of 245.71 ha and mainly comprises grassland and heath habitats

4.34.1 Citation details

Date of classification – 27/03/1996

Species	Season	Qualification	Population at citation	Significance
Arctic skua	Breeding	International importance	135 pairs	0.4% of North Atlantic breeding population
Arctic tern	Breeding	National importance	1950 pairs (count as at 1997)	4.4% of GB breeding population

4.34.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
2 count sites, S2K data 1999				
Arctic skua	0.67	0.5	unclear	
Arctic tern	0.68	1	decrease	high

4.34.3 Papa Westray SPA features summary

4.34.3.1 Arctic skua

Site	Raw counts - pairs									
	1982	1985	1987	1992	2000	2007	2008	2009	2010	2011
Holm Of Papa Westray	1	1		2	0				0	
Papa Westray - North Hill RSPB	96		125	151	64	47	35	66	44	25

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Holm Of Papa Westray	1982	5	1	1	105	5	29	2	0	0	NA	11	2010	0
Papa Westray - North Hill RSPB	96	9	43	15	35	5	5	6	47	16	34	12	2011	25

4.34.3.2 Arctic tern

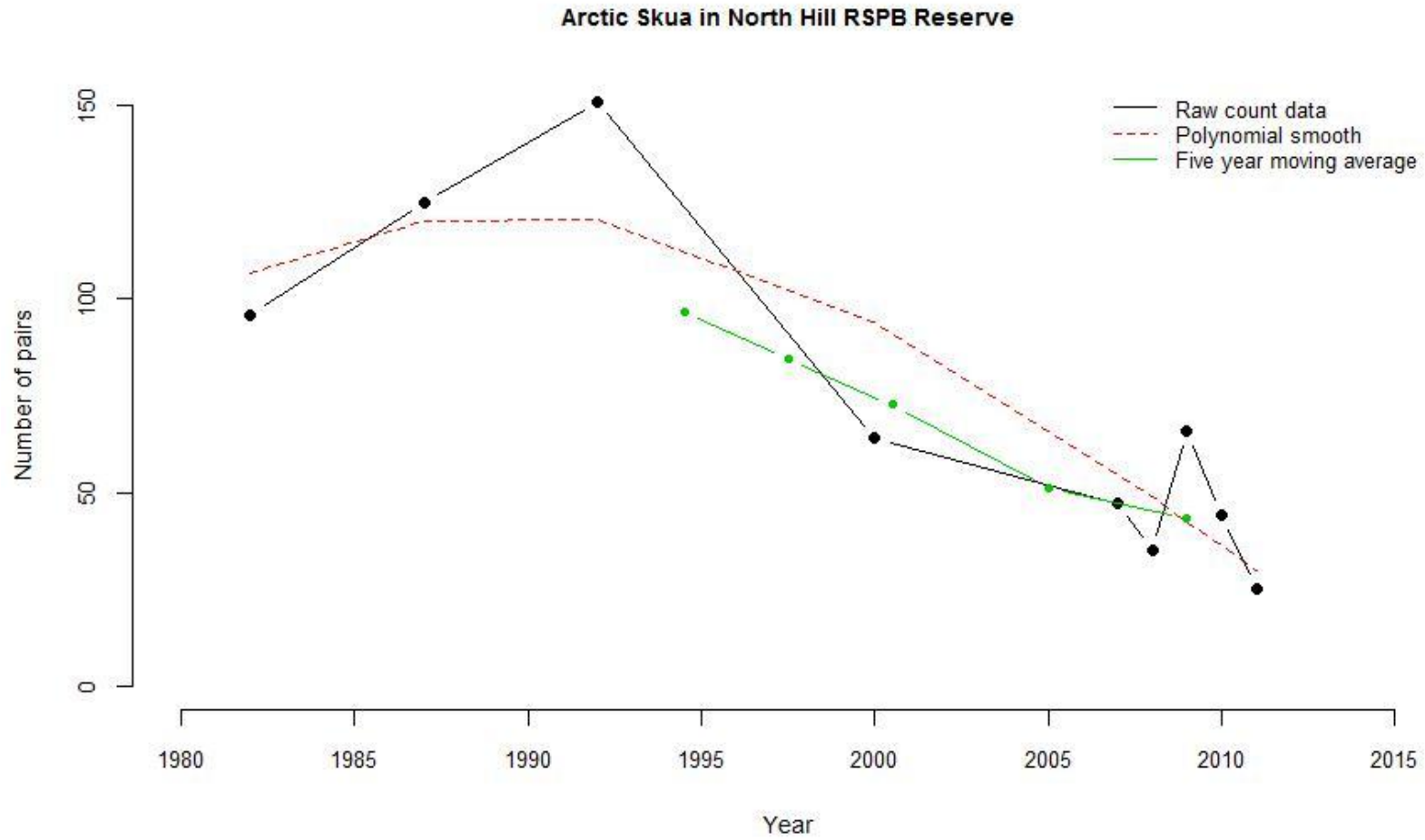
Site	Raw counts - pairs																		
	1969	1973	1974	1976	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992
Holm Of Papa Westray																			
Papa Westray - North Hill RSPB	17500	8000	5400	5000	1500	4000	6610	4057	3910	5780	4057	3233	2407	1871	3330	4133	4800	2840	2687

Site	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2009	2010	2011
Holm Of Papa Westray								277		220			113	27				37
Papa Westray - North Hill RSPB	2113	1567	1693	1847	1740	2026	1972	678	1076	1506	638	15	700	529	800	667	356	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Holm Of Papa Westray	2000	5	135	111	82	5	12	5	135	111	82	12	2011	37
Papa Westray - North Hill RSPB	1969	36	610	172	28	5	6	10	697	398	57	11	2010	356

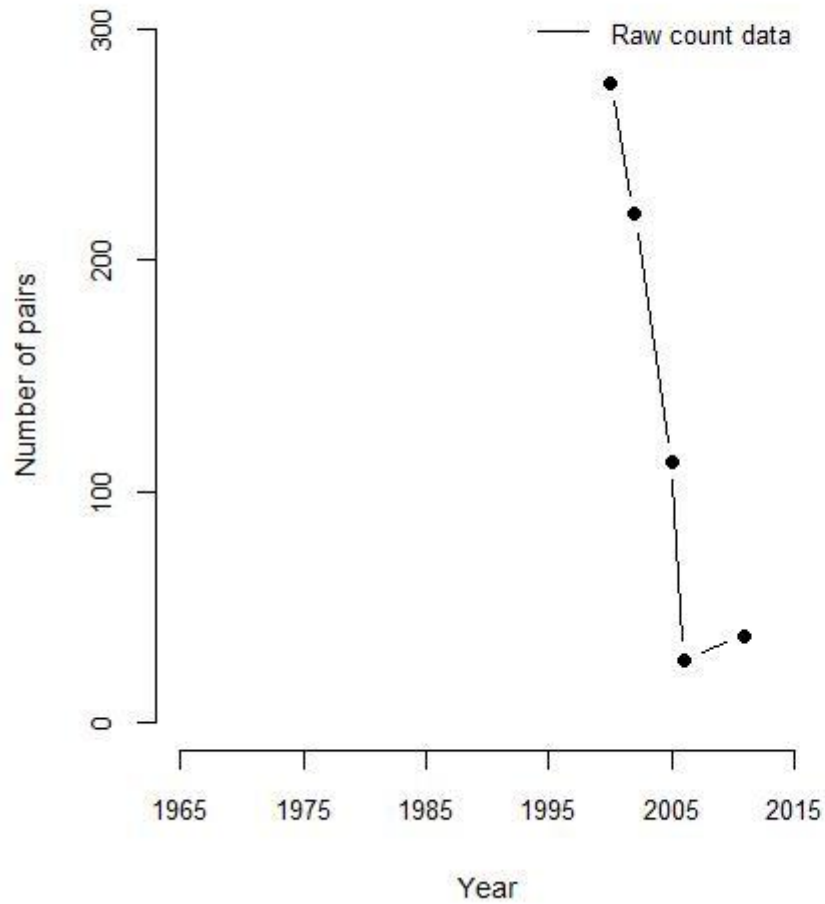
4.34.4 Trend summary for species with sufficient data at Papa Westray SPA

4.34.4.1 Arctic Skua

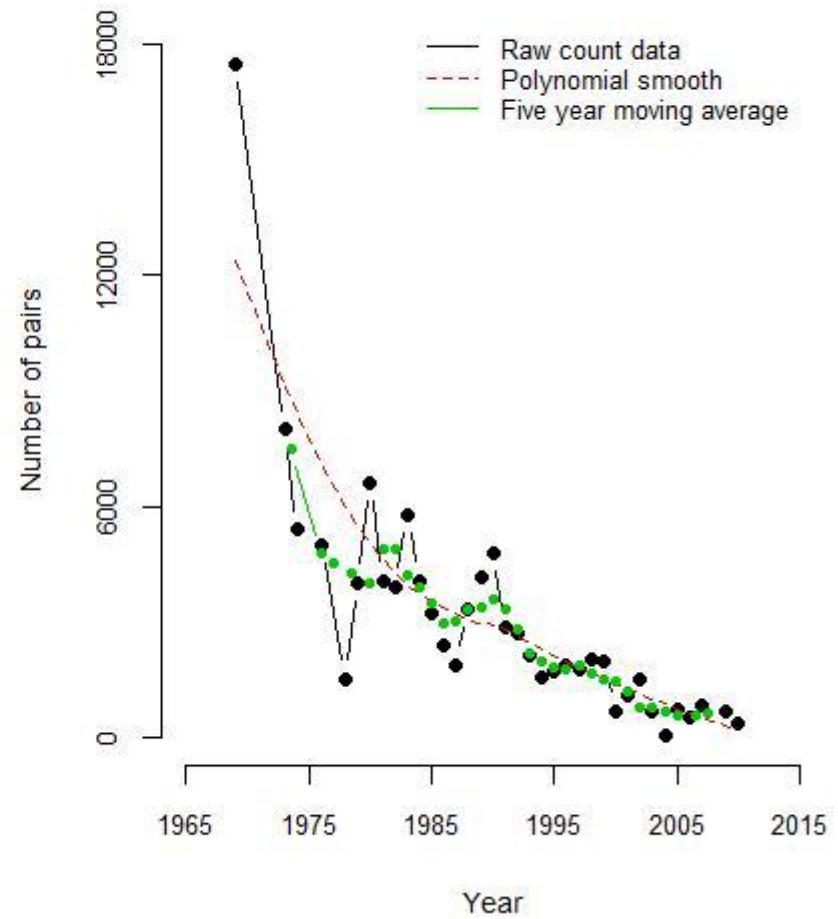


4.34.4.2 Arctic Tern

Arctic Tern Counts in Holm of Papa Westray



Arctic Tern Counts in North Hill RSPB Reserve



4.35 Pentland Firth Islands SPA – EU code UK9001131

The Pentland Firth Islands SPA is made up of Swona and Muckle Skerry and an assortment of small islets in the Pentland Firth, between Orkney and mainland Caithness. The SPA is located at latitude 58 44 30 N, longitude 03 03 30 W. It covers an area of 170.51, comprising a variety of habitats including cliffs, grassland and maritime heath.

4.35.1 Citation details

Date of classification – 01/12/1997

Species	Season	Qualification	Population at citation	Significance
Arctic tern	Breeding	National importance	1200 pairs (4 year mean – 1992-1995)	2.7% of GB breeding population

4.35.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Arctic tern	0.88	0.33	unclear	

4.35.3 Pentland Firth Islands SPA features summary

4.35.3.1 Arctic tern

Site	Raw counts - pairs																				
	1969	1974	1976	1977	1980	1983	1984	1985	1986	1987	1988	1989	1990	1992	1993	1994	1995	2004	2005	2006	2007
Muckle Skerry																		27	733	47	0
Swona	80	2000	2500	300	345	930	2700	380	6	2890	8000	5000	300	10	800	880	520	300	667		0

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Muckle Skerry	2004	4	202	355	176	4	4	4	202	355	176	4	2007	0
Swona	1969	20	473	339	72	5	14	3	322	334	104	4	2007	0

4.36 Priest Island SPA – EU code UK9001261

The Priest Island SPA covers Priest Island, in the Summer Isles, off north western Scotland in The Minch. The SPA is located at latitude 57 57 40 N, longitude 05 30 30 W. It covers 131.68 ha, and comprises cliff and maritime heath habitats.

4.36.1 Citation details

Date of classification – 01/10/1986

Species	Season	Qualification	Population at citation	Significance
Storm petrel	Breeding	National importance	2200 pairs (count as at 1995)	2.6% of GB breeding population

4.36.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
	1 count site, S2K data 1999			
Storm petrel	1	0.16	decrease	low

4.36.3 Preist Island SPA features summary

4.36.3.1 European storm petrel

Raw counts - pairs	
1999	2009
4400	2168

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1999	2	3284	1578	48	2	11	2	3284	1578	48	11	2009	2168

4.37 Ramna Stacks and Gruney SPA – EU code UK9002021

The Ramna Stacks and Gruney SPA is made up of a series of rocky islands in the north of Shetland, located at latitude 60 39 10 N, longitude 01 81 10 W. It covers an area of 11.59 ha.

4.37.1 Citation details

Date of classification – 15/03/1996

Species	Season	Qualification	Population at citation	Significance
Leach's storm petrel	Breeding	National importance	22 pairs (count as at 1994)	0.0% of GB breeding population

4.37.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2000				
Leach's petrel	1	0.09	unclear	

4.37.3 Ramna Stacks and Gruney SPA features summary

4.37.3.1 Leach's petrel

Raw counts - occupied burrows	
Site	2000
Gruney	20

Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	20

4.38 Rousay SPA – EU code UK9002371

The Rousay SPA covers the northern part of the island of Rousay, in northern Orkney, located at latitude 59 10 50 N, longitude 03 06 00 W. The SPA comprises habitats including cliffs and maritime heath, and covers an area of 633.41 ha.

4.38.1 Citation details

Date of classification – 02/02/2000

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic tern	Breeding	National importance	1000 pairs	2.3% of GB breeding population
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.38.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
19 count sites, S2K data 2000				
Fulmar	1	0.18	increase	low
Arctic skua	1	0.18	decrease	low
Kittiwake	1	0.18	decrease	low
Arctic tern	0	0.00	unclear	
Guillemot	0.66	0.25	unclear	

4.38.3 Rousay SPA features summary

4.38.3.1 Fulmar

Site	Raw counts - pairs		
	1999	2000	2009
Brings		24	
Faraclett Head 11		1	
Faraclett Head 12		5	
Faraclett Head 13		1	
Faraclett Head 17		15	
Faraclett Head 4		3	
Faraclett Head 6		17	
Faraclett Head 7		3	
Horse Brae		31	
Moan		7	
Quendal (North)		63	
Quendal (South)		7	

Site	Raw counts - pairs		
	1999	2000	2009
Rousay 1	38		
Rousay 12	32		
Rousay 13	22		
Rousay 14	5		
Rousay 2	30		
Rousay 3		27	
Rousay 4		144	
Rousay 5		44	
Rousay 6		37	
Rousay 7		117	
Rousay 8		39	
Rousay - whole colony			1030

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Brings	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	24
Faraclett Head 11	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1
Faraclett Head 12	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	5
Faraclett Head 13	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1
Faraclett Head 17	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	15
Faraclett Head 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	3
Faraclett Head 6	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	17
Faraclett Head 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	3
Horse Brae	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	31
Moan	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	7
Quendal (North)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	63
Quendal (South)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	7
Rousay 1	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	38
Rousay 12	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	32
Rousay 13	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	22
Rousay 14	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	5
Rousay 2	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	30
Rousay 3	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	27
Rousay 4	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	144
Rousay 5	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	44
Rousay 6	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	37
Rousay 7	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	117
Rousay 8	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	39
Rousay - whole colony	2009	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2009	1030

4.38.3.2 Arctic skua

Site	Raw data - pairs	
	2000	2007
Brings	17	
Faraclett Head 16	23	
Horse Brae	23	
Moan	17	
Quendal (North)	14	
Quendal (South)	20	
Rousay - whole colony		46
Total (sum of counts)	114	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Brings	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	17
Faraclett Head 16	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	23
Horse Brae	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	23
Moan	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	17
Quendal (North)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	14
Quendal (South)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	20
Rousay - whole colony	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	46
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	114

4.38.3.3 Kittiwake

Site	Raw counts - pairs	
	1999	2009
Rousay 1	119	
Rousay 12	71	
Rousay 2	69	
Rousay 4	2238	
Rousay 5	154	
Rousay 6	45	
Rousay 8	17	
Rousay - whole colony		1764
Total (sum of counts)	2713	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Rousay 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	119
Rousay 12	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	71
Rousay 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	69
Rousay 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2238
Rousay 5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	154
Rousay 6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	45
Rousay 8	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	17
Rousay - whole colony	2009	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2009	1764
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2713

4.38.3.4 Arctic tern

Site	Raw count - pairs
Quendal (South)	100

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Quendal (South)	1986	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1986	100

4.38.3.5 Guillemot

Site	Raw counts - individuals		
	1999	2007	2009
Rousay 1	192		
Rousay 2	64		
Rousay 3		2231	
Rousay 4	4580		
Rousay 5	757		
Rousay 6	514		
Rousay 12	42		
Rousay - whole colony			8822

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (individuals)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Rousay 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	192
Rousay 2	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	64
Rousay 3	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	2231
Rousay 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4580
Rousay 5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	757
Rousay 6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	514
Rousay 12	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	42
Rousay - whole colony	2009	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2009	8822

4.39 Rum SPA – EU code UK9001341

The Rum SPA covers the island of Rum. The island lies off the southern coast of Skye, located at latitude 57 00 00 N, longitude 60 20 00 W. The SPA covers a variety of habitats including cliffs, grassland and moorland, and covers an area of 10942.38 ha.

4.39.1 Citation details

Date of classification – 31/08/1982

Species	Season	Qualification	Population at citation	Significance
Manx shearwater	Breeding	International importance	61000 (count as at 1995)	2.3% of European breeding population
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.39.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2000				
Manx shearwater	1	0.09	unclear	
Kittiwake	1	0.09	unclear	
Guillemot	1	0.09	unclear	

4.39.3 Rum SPA features summary

4.39.3.1 Manx shearwater

Raw counts - pairs
2001
120000

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	120000

4.39.3.2 Kittiwake

Raw count - pairs
2000
788

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	788

4.39.3.3 Guillemot

Raw count - individuals
2000
2454

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2454

4.40 Shiant Islands SPA – EU code UK9001041

The Shiant Islands SPA is made up of three islands and a series of small islets in The Minch, off the eastern coast of the island of Lewis, located at latitude 57 54 00 N, longitude 06 22 00 W. The islands comprise habitats including cliffs and boulder screes, and covers an area of 212.33 ha.

4.40.1 Citation details

Date of classification – 31/08/1992

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Shag	Breeding	International importance	1780 pairs (count as at 1986)	1.4% of Northern European breeding population
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	International importance	76100 pairs (count as at 1970)	8.4% of European breeding population
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Razorbill	Breeding	International importance	7337 pairs (count as at 1986)	1.3% of European breeding population

4.40.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
5 count sites, S2K data 1999				
Fulmar	1	0.08	unclear	
Shag	1	0.08	unclear	
Kittiwake	1	0.16	decrease	low
Atlantic Puffin	1	0.08	unclear	
Guillemot	1	0.16	decrease	low
Razorbill	1	0.16	decrease	low

4.40.3 Shiant Islands SPA features summary

4.40.3.1 Fulmar

Site	Raw counts - pairs
	1999
Eilean an Taighe	1023
Eilean Mhuire	1698
Galta Beag Group	379
Galta Mor Group	112
Garbh Eilean	1175
Total (sum of counts)	4387

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eilean an Taighe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1023
Eilean Mhuire	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1698
Galta Beag Group	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	379
Galta Mor Group	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	112
Garbh Eilean	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1175
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4387

4.40.3.2 Shag

Site	Raw counts - pairs
	1999
Eilean an Taighe	82
Eilean Mhuire	4
Galta Beag Group	9
Galta Mor Group	6
Garbh Eilean	405
Total (sum of counts)	506

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eilean an Taighe	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	82
Eilean Mhuire	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4
Galta Beag Group	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	9
Galta Mor Group	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6
Garbh Eilean	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	405
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	506

4.40.3.3 Kittiwake

Site	Raw counts - pairs		
	1986	1999	2008
Eilean an Taighe	57	51	4
Eilean Mhuire	1291	1798	525
Galta Beag Group	45	106	12
Galta Mor Group	77	36	2
Garbh Eilean	337	15	6
Total (sum of counts)	1807	2006	549

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eilean an Taighe	1986	3	37	29	78	3	23	2	28	33	121	10	2008	4
Eilean Mhuire	1986	3	1205	641	53	3	23	2	1162	900	77	10	2008	525
Galta Beag Group	1986	3	54	48	88	3	23	2	59	66	113	10	2008	12
Galta Mor Group	1986	3	38	38	98	3	23	2	19	24	127	10	2008	2
Garbh Eilean	1986	3	119	189	158	3	23	2	11	6	61	10	2008	6
Total (sum of counts)	1986	3	1454	790	54	3	23	2	1278	1030	81	10	2008	549

4.40.3.4 Guillemot

Site	Raw count - individuals	
	1999	2008
Eilean an Taighe	978	881
Eilean Mhuire	10960	6088
Galta Beag Group	374	27
Galta Mor Group	795	64
Garbh Eilean	3349	624
Total (sum of counts)	16456	7684

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%C V	Yr. span	Year	Count
Eilean an Taighe	1999	2	930	69	7	2	10	2	930	69	7	10	2008	881
Eilean Mhuire	1999	2	8524	3445	40	2	10	2	8524	3445	40	10	2008	6088
Galta Beag Group	1999	2	201	245	122	2	10	2	201	245	122	10	2008	27
Galta Mor Group	1999	2	430	517	120	2	10	2	430	517	120	10	2008	64
Garbh Eilean	1999	2	1987	1927	97	2	10	2	1987	1927	97	10	2008	624
Total (sum of counts)	1999	2	12070	6203	51	2	10	2	12070	6203	51	10	2008	7684

4.40.3.5 Razorbill

Site	Raw counts - individuals	
	1999	2008
Eilean an Taighe	336	1140
Eilean Mhuire	2402	984
Galta Beag Group	285	254
Galta Mor Group	260	380
Garbh Eilean	4763	3582
Total (sum of counts)	8046	6340

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eilean an Taighe	1999	2	738	569	77	2	10	2	738	569	77	10	2008	1140
Eilean Mhuire	1999	2	1693	1003	59	2	10	2	1693	1003	59	10	2008	984
Galta Beag Group	1999	2	270	22	8	2	10	2	270	22	8	10	2008	254
Galta Mor Group	1999	2	320	85	27	2	10	2	320	85	27	10	2008	380
Garbh Eilean	1999	2	4173	835	20	2	10	2	4173	835	20	10	2008	3582
Total (sum of counts)	1999	2	7193	1206	17	2	10	2	7193	1206	17	10	2008	6340

4.40.3.6 Atlantic Puffin

Site	Raw counts - burrows
	2000
Eilean Mhuire	9699
Galta Beag Group	3500
Galta Mor Group	2700
Garbh Eilean	49271
Total (sum of counts)	65170

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (burrows)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Eilean Mhuire	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	9699
Galta Beag Group	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	3500
Galta Mor Group	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2700
Garbh Eilean	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	49271
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	65170

4.41 South Uist Machair and Lochs SPA – EU code UK9001082

The South Uist Machair and Lochs SPA is found on the western side of South Uist, Outer Hebrides, centred at latitude 57 18 50 N, longitude 07 20 00 W. The SPA comprising a variety of habitats, including areas suitable for breeding terns, and covers an area of 3352.28 ha.

4.41.1 Citation details

Date of classification – 01/12/1997

Species	Season	Qualification	Population at citation	Significance
Little tern	Breeding	National importance	31 pairs (5 year mean – 1986-1990)	1.3% of GB breeding population

4.41.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 1999				
Little tern	0.6	0.08	unclear	

4.41.3 South Uist Machair and Lochs SPA features summary

4.41.3.1 Little tern

Site	Raw counts - Pairs
	1999
Kilaulay	2
Loch Stilligarry	1
North Boisdale Machair	3
Rubha Ardvule	1

Site	Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Kilaulay	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
Loch Stilligarry	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1
North Boisdale Machair	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	3
Rubha Ardvule	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1

4.42 St Abb's Head to Fast Castle SPA – EU code UK9004271

The St Abb's Head to Fast Castle SPA is found in the south east of mainland Scotland, located at latitude 55 55 00 N, and longitude 02 10 00 W. The SPA covers 247.85 ha of cliff habitat.

4.42.1 Citation details

Date of classification – 11/08/1997

Species	Season	Qualification	Population at citation	Significance
Shag	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Herring gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.42.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
19 count sites, S2K data 2000				
Shag	0.29	1.00	decrease	mod
Herring gull	0.29	1.00	decrease	mod
Kittiwake	0.29	1.00	decrease	mod
Guillemot	0.3	0.27	decrease	low
Razorbill	0.3	0.27	decrease	low

4.42.3 St Abb's Head to Fast Castle SPA features summary

4.42.3.1 Shag

Site	Raw counts - pairs												
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Broadhaven to Moorburn Point													
Moorburn Point to Fast Castle													
St Abb's Head NNR	364	396	318	366	338	463	450	300	115	173	175	160	196

Site	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Broadhaven to Moorburn Point		1											
Moorburn Point to Fast Castle		35											
St Abb's Head NNR	165	233	300	296	365	369	131	162	132	131	138	157	160
Total (sum of counts)		269											

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Broadhaven to Moorburn Point	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1
Moorburn Point to Fast Castle	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	35
St Abb's Head NNR	1986	26	144	14	10	5	5	12	215	94	44	12	2011	160
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	269

4.42.3.2 Herring gull

Site	Raw counts - pairs												
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Broadhaven to Moorburn Point													
Moorburn Point to Fast Castle													
St Abb's Head NNR	718	697	722	387	362	398	299	380	296	398	358	330	243

Site	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Broadhaven to Moorburn Point		80											
Moorburn Point to Fast Castle		154											
St Abb's Head NNR	253	307	301	257	298	261	157	248	236	258	181	296	220
Total (sum of counts)		541											

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. Span	No. yearly counts	Mean	Stdev	%CV	Yr. Span	Year	Count
Broadhaven to Moorburn Point	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	80
Moorburn Point to Fast Castle	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	154
St Abb's Head NNR	1986	26	238	43	18	5	5	12	252	48	19	12	2011	220
Total (sum of counts)	2000	541	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	541

4.42.3.3 Kittiwake

Site	Raw counts - Pairs												
	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998
Broadhaven to Moorburn Point													
Moorburn Point to Fast Castle													
St Abb's Head NNR	13940	15182	16200	19066	17642	16183	16524	15268	13007	13670	13437	13393	8044

Site	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Broadhaven to Moorburn Point		3235											
Moorburn Point to Fast Castle		1118											
St Abb's Head NNR	9576	11077	8028	8890	6642	6239	7239	6288	6463	5298	4616	4744	4688
Total (sum of counts)		15430											

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Broadhaven to Moorburn Point	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	3235
Moorburn Point to Fast Castle	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1118
St Abb's Head NNR	1986	26	5162	776	15	5	5	12	6684	1922	29	12	2011	4688
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	15430

4.42.3.4 Guillemot

Site	Raw counts - individuals									
	1986	1987	1988	1989	1990	1993	1998	2000	2003	2008
Broadhaven to Moorburn Point								2032		
Moorburn Point to Fast Castle								385		
St Abb's Head NNR	22986	26702	27928	30788	28942	28911	40720		40389	33181

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Broadhaven to Moorburn Point	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	2032
Moorburn Point to Fast Castle	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	385
St Abb's Head NNR	1986	9	34429	5857	17	5	19	2	36785	5097	14	6	2008	33181

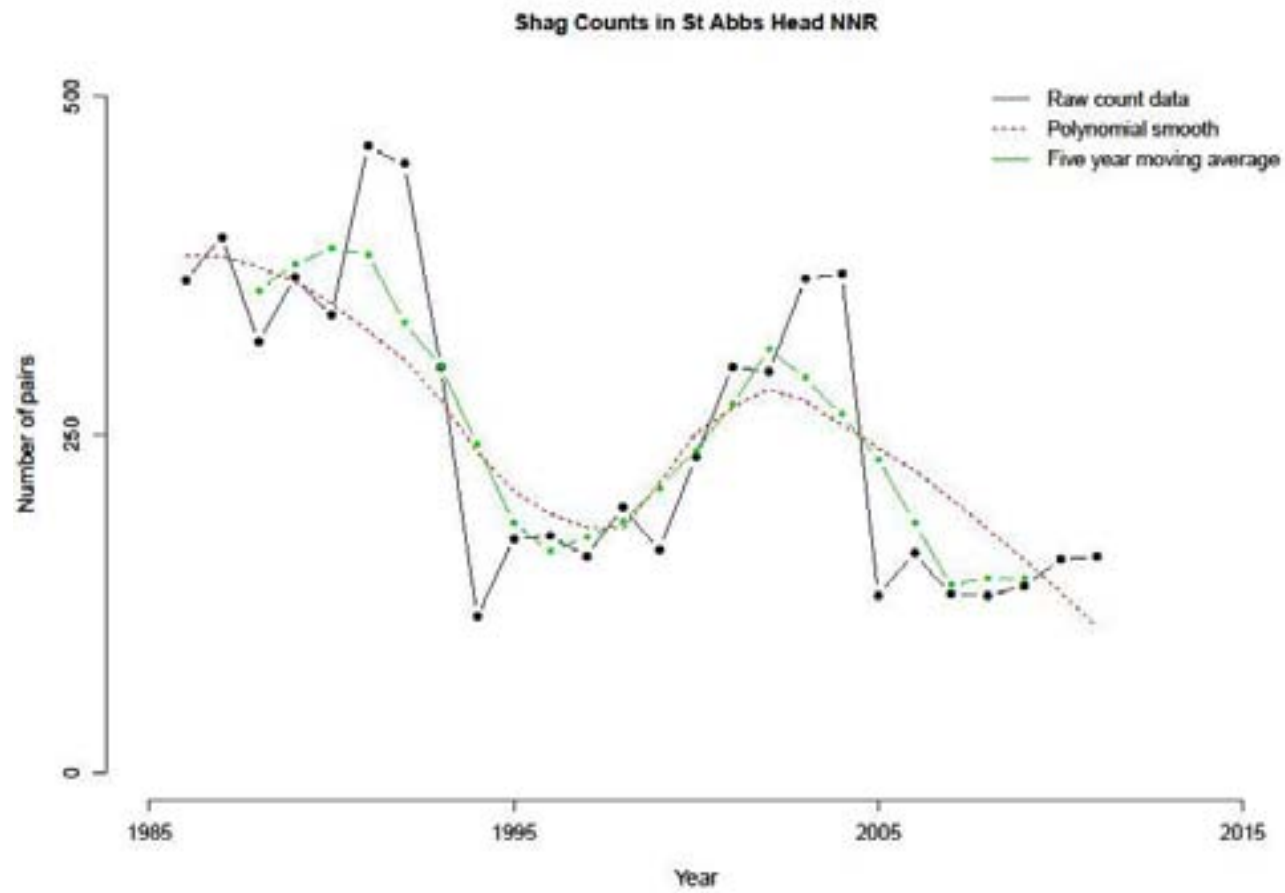
4.42.3.5 Razorbill

Site	Raw counts - individuals									
	1986	1987	1988	1989	1990	1993	1998	2000	2003	2008
Broadhaven to Moorburn Point								535		
Moorburn Point to Fast Castle								126		
St Abb's Head NNR	1383	1557	1502	1761	1684	1748	2214		2218	1687

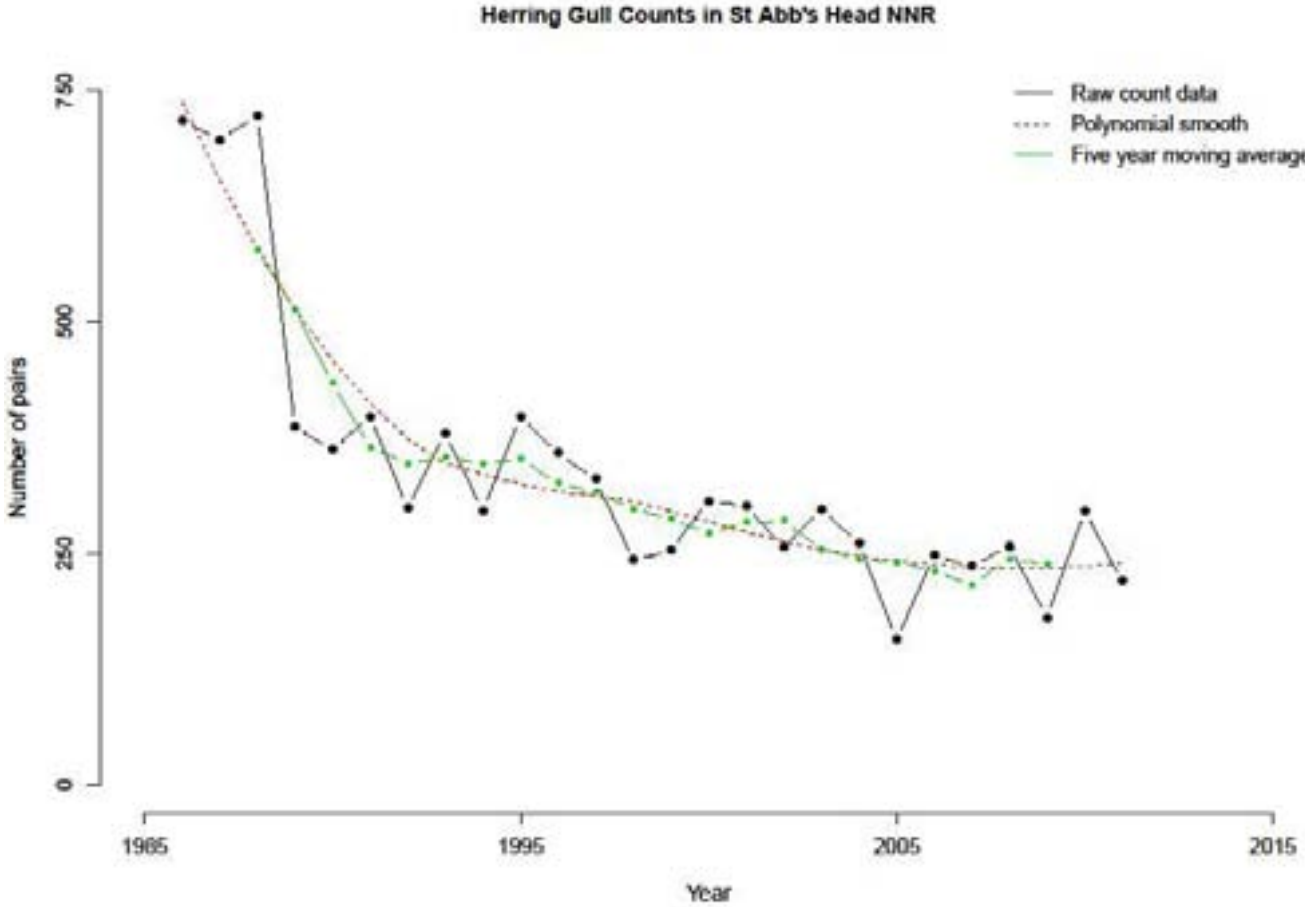
Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (individuals)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Broadhaven to Moorburn Point	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	535
Moorburn Point to Fast Castle	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	126
St Abb's Head NNR	1986	9	1910	280	15	5	19	2	1953	375	19	6	2008	1687

4.42.4 Trend summary for species with sufficient data at St Abbs head SPA

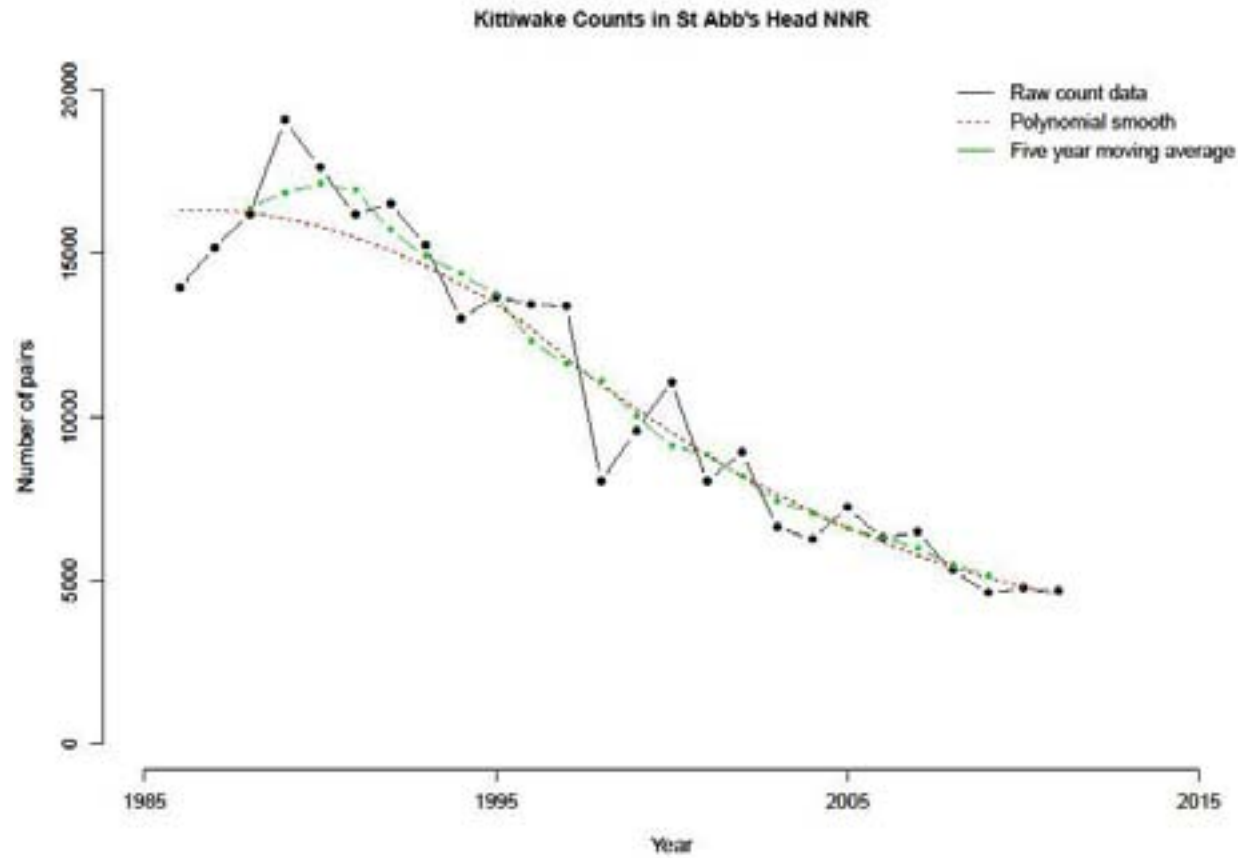
4.42.4.1 Shag



4.42.4.2 Herring Gull



4.42.4.3 Kittiwake



4.43 St Kilda SPA – EU code UK9001031

The St Kilda SPA covers the St Kilda group of islands off the west coast of the Outer Hebrides, located at latitude 57 49 00 N, longitude 08 35 00 W. The SPA covers 856.51 ha, including several islands and stacks, supporting a variety of habitats including cliffs, grasslands and heaths.

4.43.1 Citation details

Date of classification – 31/08/1992

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Northern Gannet	Breeding	International importance	60400 pairs (count as at 1994)	23.0% of North Atlantic breeding population
Storm petrel	Breeding	National importance	850 pairs	1.0% of GB breeding population
Leach's storm petrel	Breeding	National importance	5000 pairs (count as at 1987)	9.1% of GB breeding population
Manx shearwater	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Great skua	Breeding	International importance	270 pairs (count as at 1997)	2.0% of World breeding population
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Atlantic Puffin	Breeding	International importance	155000 pairs (count as at 1989)	17.2% of European breeding population
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.43.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
5 count sites, S2K data 2000				
Fulmar	0.6	0.18	unclear	
Northern Gannet	1	0.09	unclear	
Storm petrel	1	0.09	unclear	
Leach's storm petrel				
Manx shearwater	1	0.09	unclear	
Great skua	1	0.09		
Kittiwake	1	0.25	decrease	mod
Atlantic Puffin	1	0.25		
Guillemot	1	0.09	unclear	
Razorbill	1	0.09	unclear	

4.43.3 St Kilda SPA features summary

4.43.3.1 European storm petrel

Site	Raw counts - pairs
	2000
Boreray & Stacs	84
Dun	0
Hirta	508
Soay - whole island	529
Total (sum of counts)	1121

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Boreray & Stacs	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	84
Dun	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	0
Hirta	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	508
Soay - whole island	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	529
Total (sum of counts)	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	1121

4.43.3.2 Leach's storm petrel

No data are available for this species

4.43.3.3 Manx shearwater

Site	Raw counts - pairs
	1999
Dun	222
Hirta	1077
Total (sum of counts)	1299

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Dun	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	222
Hirta	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1077
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1299

4.43.3.4 Fulmar

Site	Raw counts - pairs			
	1987	1990	1999	2003
Boreray & Stacs	9228		2709	2336
Dun			11216	
Hirta	7104	7330	42708	
Levenish			63	
Soay - whole island			9359	
Total (sum of counts)			66055	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Boreray & Stacs	1987	3	4758	3876	81	3	17	2	2523	264	10	5	2003	2336
Dun	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	11216
Hirta	1987	3	19047	20491	108	3	13	1	NA	NA	NA	1	1999	42708
Levenish	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	63
Soay - whole island	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	9359
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	66055

4.43.3.5 Northern gannet

Raw counts - pairs		
1985	1994	2004
50050	60428	59622

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1985	3	56700	5773	10	3	20	1	NA	NA	NA	1	2004	59622

4.43.3.6 Great skua

Raw counts - Pairs			
1971	1987	1992	2000
10	54	112	240

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1971	4	104	100	96	4	30	1	NA	NA	NA	1	2000	240

4.43.3.7 Kittiwake

Site	Raw counts - pairs			
	1987	1999	2006	2008
Boreray & Stacs	3494	1276	400	356
Dun	1231	981	540	433
Hirta	1719	1247	414	110
Soay - whole island	1385	764	162	58
Total (sum of counts)	7829	4268	1516	957

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Boreray & Stacs	1987	4	1382	1471	106	4	22	3	677	519	77	10	2008	356
Dun	1987	4	796	375	47	5	22	3	651	290	45	10	2008	433
Hirta	1987	4	873	741	85	6	22	3	590	589	100	10	2008	110
Soay - whole island	1987	4	592	613	104	7	22	3	328	381	116	10	2008	58
Total (sum of counts)	1987	4	3643	3144	86	8	22	3	2247	1772	79	10	2008	957

4.43.3.8 Guillemot

Site	Raw counts - individuals	
	1987	1999
Boreray & Stacs	5605	5880
Dun		2146
Hirta		10903
Levenish		60
Soay - whole island		4404
		23393

Total (sum of counts)

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Boreray & Stacs	1987	2	5743	194	3	2	13	1	NA	NA	NA	1	1999	5880
Dun	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2146
Hirta	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	10903
Levenish	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	60
Soay - whole island	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4404
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	23393

4.43.3.9 Razorbill

Site	Raw counts - individuals		
	1987	1990	1999
Boreray & Stacs	504		256
Dun			819
Hirta	420	459	1233
Levenish			16
Soay - whole island			197
Total (sum of counts)			2521

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Boreray & Stacs	1987	2	380	175	46	2	13	1	NA	NA	NA	1	1999	256
Dun	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	819
Hirta	1987	3	704	459	65	3	13	1	NA	NA	NA	1	1999	1233
Levenish	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	16
Soay - whole island	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	197
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2521

4.43.3.10 Atlantic Puffin

Site	Raw counts – burrows			
	1987	1990	1999	2000
Boreray & Stacs	63000			50999
Dun	29600	19000	55417	
Hirta			1819	
Soay - whole island				25464

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (burrows)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Boreray & Stacs	1987	2	57000	8486	15	2	14	1	NA	NA	NA	1	2000	50999
Dun	1987	3	34672	18731	54	3	13	1	NA	NA	NA	1	1999	55417
Hirta	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1819
Soay - whole island	2000	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2000	25464

4.44 Sule Skerry and Sule Stack SPA – EU code - UK9002181

The Sule Skerry and Sule Stack SPA covers two islands, found approximately 60 km to the west of Orkney, located at latitude 59 05 05 N, longitude 04 24 15 W. The SPA comprises cliffs and flat peaty areas covering an area of 18.9 ha.

4.44.1 Citation details

Date of classification – 29/03/1994

Species	Season	Qualification	Population at citation	Significance
Northern Gannet	Breeding	International importance	4890 pairs (count as at 1994)	1.9% of North Atlantic breeding population
Shag	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Storm petrel	Breeding	National importance	1000 pairs (count as at 1986)	1.2% of GB breeding population
Leach's petrel	Breeding	National importance	5 pairs (count as at 1986)	0.0% of GB breeding population
Atlantic Puffin	Breeding	International importance	43380 pairs (count as at 1993)	4.3% of European breeding population
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.44.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
2 count sites, S2K data 1998 - 2001				
Northern Gannet	0.58	0.5	increase	mod
Shag	0.5	0.25	decrease	low
Storm petrel	0.5	0.1	decrease	low
Leach's petrel			unclear	
Atlantic Puffin	0.5	0.08	unclear	
Guillemot	0.75	0.15	unclear	

4.44.3 Sule Skerry and Sule Stack SPA features summary

4.44.3.1 European storm petrel

Site	Raw count - pairs
	2001
Sule Skerry Whole Island	309

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Sule Skerry Whole Island	2001	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2001	309

4.44.3.2 Northern gannet

The 1999 figure is an extrapolated estimate based on previous colony specific trends.

Site	Raw counts - pairs							
	1985	1994	1999	2003	2004	2007	2009	2011
Sule Skerry Whole Island				15	57	400	1000	1100
Sule Stack1	5900	4888	5137		4618			
Total (sum of counts)					4675			

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Sule Skerry Whole Island	2003	5	514	512	100	5	9	5	514	512	100	9	2011	1100
Sule Stack1	1985	4	5136	552	11	4	20	2	4878	367	8	6	2004	4618
Total (sum of counts)	2004	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2004	4675

4.44.3.3 Shag

Site	Raw count - pairs				
	1986	1993	1998	2007	2011
Sule Skerry Whole Island	874	701	724	15	200

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (pairs)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Sule Skerry Whole Island	1986	5	503	373	74	5	26	3	313	368	117	14	2011	200

4.44.3.4 Guillemot

Site	Raw counts - individuals			
	1986	1993	1998	2007
Sule Skerry Whole Island	8924	14357	10331	450
Sule Stack1	500		1062	
Total (sum of counts)	9424		11393	

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Sule Skerry Whole Island	1986	4	8516	5849	69	4	22	2	5391	6987	130	10	2007	450
Sule Stack1	1986	2	781	397	51	2	13	1	NA	NA	NA	1	1998	1062
Total (sum of counts)	1986	2	10409	1392	13	2	13	1	NA	NA	NA	1	1998	11393

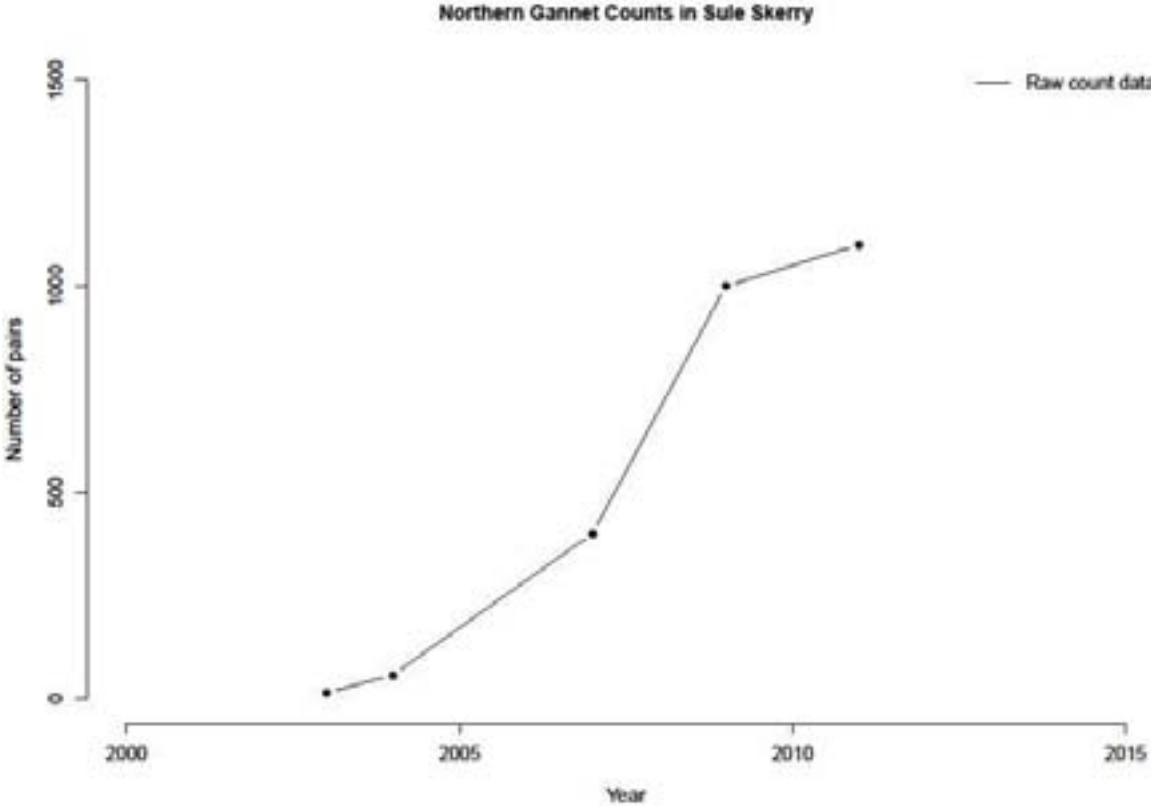
4.44.3.5 Atlantic Puffin

Site	Raw counts - burrows		
	1986	1993	1998
Sule Skerry Whole Island	46900	43384	59471

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000				Most recent count (burrows)		
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Sule Skerry Whole Island	1986	3	49918	8458	17	3	13	1	NA	NA	NA	1	1998	59471

4.44.4 Trend summary for species with sufficient data Sule Skerry and Sule Stack SPA

4.44.4.1 Northern gannet



4.45 Sumburgh Head SPA – EU code UK9002511

The Sumburgh Head SPA lies at the southernmost point of Mainland, Shetland, located at latitude 59 51 55 N and longitude 01 16 05 W. The SPA is made up of cliffs and boulder beaches, covering an area of 39.04 ha.

4.45.1 Citation details

Date of classification – 27/03/1996

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic tern	Breeding	National importance	700 pairs (count as at 1994)	1.6% of GB breeding population
Guillemot	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.45.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
3 count sites, S2K data 1998 - 2001				
Fulmar	0.5	0.3	decrease	mod
Kittiwake				
Arctic tern				
Guillemot	0.5	0.40	decrease	mod

4.45.3 Sumburgh Head SPA features summary

4.45.3.1 Fulmar

Site	Raw counts - pairs			
	1985	2001	2007	2009
Compass Head	795			
Sumburgh Head		1487	230	233

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Compass Head	1985	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1985	795
Sumburgh Head	2001	9	650	725	112	3	9	3	650	725	112	9	2009	233

4.45.3.2 Kittiwake

Site	Raw counts - pairs															
	1985	1986	1989	1991	1993	1994	1996	1998	1999	2001	2003	2005	2006	2007	2009	2010
Compass Head	497	354	304	223	152	135	141	119	142	155	80	119		152	146	163
Sumburgh Head			1508	1231	1181	1231	1195	1110		722	297	352	230	354	354	386
Total (sum of counts)			1812	1454	1333	1366	1336	1229		877	377	471		506	500	549

Site	Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Compass Head	1985	15	132	33	25	5	8	6	136	31	23	10	2010	163
Sumburgh Head	1989	13	335	60	18	5	6	7	385	157	41	10	2010	386
Total (sum of counts)	1989	12	481	64	13	5	8	6	547	172	31	10	2010	549

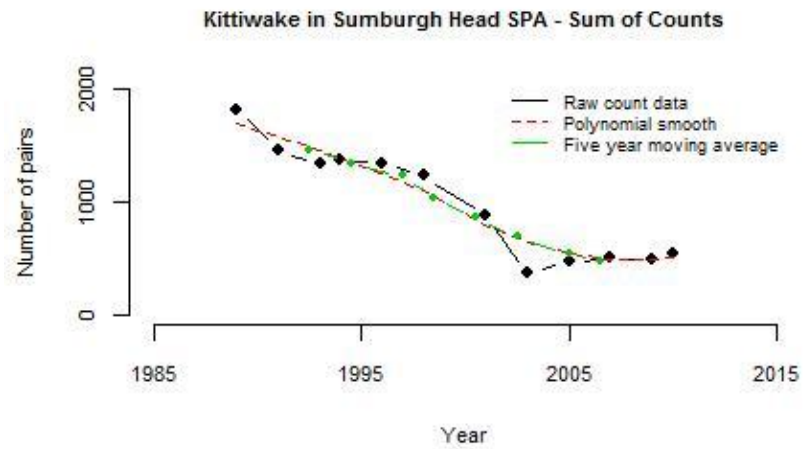
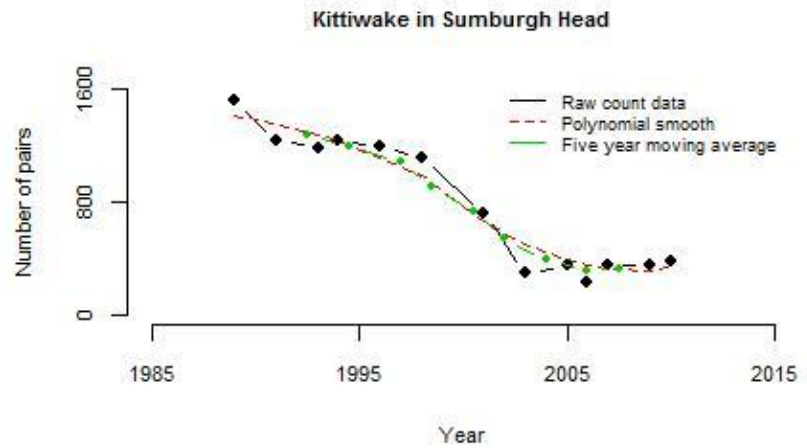
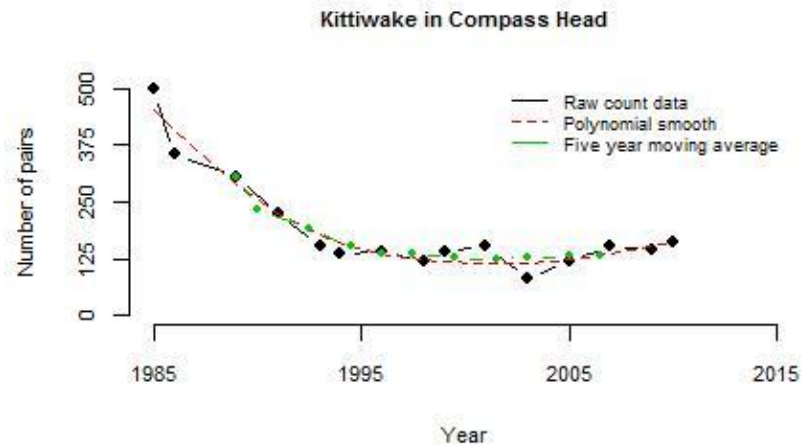
4.45.3.3 Guillemot

Site	Raw counts - individuals									
	1985	1988	1989	1990	1991	1994	2001	2007	2008	2009
Compass Head	2257									
Sumburgh Head		10729	9228	7274	10731	13702	15327	7625	7325	7931

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Compass Head	1985	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1985	2257
Sumburgh Head	1988	9	10382	3822	37	5	16	4	9552	3858	40	10	2009	7931

4.45.4 Trend summary for species with sufficient data Sumburgh Head SPA

4.45.4.1 Kittiwake



4.46 Treshnish Islands - EU code UK9003041

The Treshnish Islands SPA is found in the Sound of Mull, located at latitude 56 29 30 N, longitude 06 25 10 W. The SPA comprises habitats such as cliffs, raised beached and maritime heath, and covers an area of 240.67 ha.

4.46.1 Citation details

Date of classification – 30/08/1994

Species	Season	Qualification	Population at citation	Significance
Storm petrel	Breeding	National importance	5040 pairs (count as at 1996)	5.9% of GB breeding population

4.46.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
6 count sites, last count 1996				
Storm petrel	1	0	unclear	

4.46.3 Treshnish Isles SPA features summary

4.46.3.1 European storm petrel

Site	Raw counts - pairs	
	1986	1996
Bac Beag		53
Bac Mor		194
Cairn na Burgh Beg		22
Cairn na Burgh More		644
Fladda		3119
Treshnish Isles - Lunga and Sgeir a' Chaisteil	2000	1008
Total (sum of counts)		5040

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Bac Beag	1996	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1996	53
Bac Mor	1996	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1996	194
Cairn na Burgh Beg	1996	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1996	22
Cairn na Burgh More	1996	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1996	644
Fladda	1996	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1996	3119
Treshnish Isles - Lunga and Sgeir a' Chaisteil	1986	2	1504	701	47	2	11	0	NA	NA	NA	NA	1996	1008
Total (sum of counts)	1996	1	NA	NA	NA	1	1	0	NA	NA	NA	NA	1996	5040

4.47 Troup, Pennan and Lions Heads SPA – EU code UK9002471

The Troup, Pennan and Lions Heads SPA in lies on the Banff and Buchan coast, located at latitude 57 41 00 N, 02 15 05 W. The SPA is made up of cliff and beach habitats and covers an area of 174.22 ha.

4.47.1 Citation details

Date of classification – 14/03/1997

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Herring gull	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Guillemot	Breeding	International importance	29902 pairs (count as at 1995)	1.3% of the East Atlantic breeding population
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.47.2 SPA trends summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2001				
Fulmar	1.0	0.2	decrease	low
Herring gull	1.0	0.2	decrease	low
Kittiwake	1.0	0.3	stable	mod
Guillemot	1.0	0.2	decrease	low
Razorbill	1.0	0.2	decrease	low

4.47.3 Troup, Pennan and Lions Heads SPA features summary

4.47.3.1 Fulmar

Raw counts - pairs			
1986	1995	2001	2007
1638	4423	2900	1795

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	2689	1285	48	4	22	2	2348	781	33	7	2007	1795

4.47.3.2 Herring gull

Raw counts - pairs			
1986	1995	2001	2007
2590	4196	1951	1687

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	2606	1126	43	4	22	2	1819	187	10	7	2007	1687

4.47.3.3 Kittiwake

Raw counts - pairs				
1986	1995	2001	2004	2007
16596	31664	18482	15570	17171

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	5	19897	6662	33	5	22	3	17074	1458	9	7	2007	17171

4.47.3.4 Guillemot

Raw counts - individuals			
1986	1995	2001	2007
16184	44634	45254	17598

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	30918	16209	52	4	22	2	31426	19556	62	7	2007	17598

4.47.3.5 Razorbill

Raw counts - individuals			
1986	1995	2001	2007
1248	4812	4831	3001

Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1986	4	3473	1714	49	4	22	2	3916	1294	33	7	2007	3001

4.48 West Westray SPA – EU code UK9002101

The West Westray SPA covers the west coast of the island of Westray, in north western Orkney, located at latitude 59 17 40 N, and longitude 03 00 45 W. The SPA comprises habitats such as cliffs, and maritime grassland and heath, and covers an area of 350.62 ha.

4.48.1 Citation details

Date of classification – 16/08/1996

Species	Season	Qualification	Population at citation	Significance
Fulmar	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic skua	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Kittiwake	Breeding	Seabird assemblage	Part of 20000+ aggregation	
Arctic tern	Breeding	National importance	1200 pairs (count as at 1997)	2.7% of GB breeding population
Guillemot	Breeding	International importance	28274 pairs (count as at 1998)	1.3% of the East Atlantic breeding population
Razorbill	Breeding	Seabird assemblage	Part of 20000+ aggregation	

4.48.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
6 count sites, S2K data 1999				
Fulmar	0.79	0.3	unclear	
Arctic skua	1.0	0.09	unclear	
Kittiwake	0.5	0.3	decrease	mod
Arctic tern				
Guillemot	0.79	0.3	unclear	
Razorbill	0.79	0.3	decrease	mod

4.48.3 West Westray SPA features summary

4.48.3.1 Fulmar

Site	Raw counts - pairs						
	1986	1987	1994	1999	2000	2004	2007
West Westray 1				115			
West Westray 2	1620	562	1129	1067		516	
West Westray 3				544			
West Westray 5				1528			
West Westray 6				723			
West Westray 7				50			
West Westray - whole colony					4270		677
Total (sum of counts)				4027			

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
West Westray 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	115
West Westray 2	1986	19	979	455	47	5	19	2	792	390	49	6	2004	516
West Westray 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	544
West Westray 5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1528
West Westray 6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	723
West Westray 7	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	50
West Westray - whole colony	2000	8	2474	2541	103	2	8	2	2474	2541	103	8	2007	677
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	4027

4.48.3.2 Arctic skua

Site	Raw counts - pairs
	2007
Whole colony	38

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Whole colony	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	38

4.48.3.3 Kittiwake

Site	Raw counts - pairs					
	1986	1987	1994	1999	2004	2007
West Westray 1				103		
West Westray 2	22150	12323	12706	17546	4693	
West Westray 5				8890		
West Westray 6				6742		
West Westray - whole colony						12055
Total (sum of counts)				33281		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%C V	Yr. span	Year	Count
West Westray 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	103
West Westray 2	1986	5	13884	6520	47	5	19	2	11120	9088	82	6	2004	4693
West Westray 5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	8890
West Westray 6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6742
West Westray - whole colony	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	12055
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	33281

4.48.3.4 Guillemot

Site	Raw counts - individuals					
	1986	1987	1994	1999	2004	2007
West Westray 1				141		
West Westray 2	48780	21775	44529	37390	25237	
West Westray 4				1751		
West Westray 5				8670		
West Westray 6				6766		
West Westray - whole colony						50613
Total (sum of counts)				54718		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
West Westray 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	141
West Westray 2	1986	5	35542	11781	33	5	19	2	31314	8593	27	6	2004	25237
West Westray 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	1751
West Westray 5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	8670
West Westray 6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	6766
West Westray - whole colony	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	50613
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	54718

4.48.3.5 Razorbill

Site	Raw counts - individuals		
	1999	2004	2007
West Westray 1	86		
West Westray 2	1088	898	
West Westray 3	2		
West Westray 4	159		
West Westray 5	467		
West Westray 6	610		
West Westray - whole colony			813
Total (sum of counts)	2412		

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (individuals)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
West Westray 1	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	86
West Westray 2	1999	2	993	134	14	2	6	2	993	134	14	6	2004	898
West Westray 3	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2
West Westray 4	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	159
West Westray 5	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	467
West Westray 6	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	610
West Westray - whole colony	2007	1	NA	NA	NA	1	1	1	NA	NA	NA	1	2007	813
Total (sum of counts)	1999	1	NA	NA	NA	1	1	1	NA	NA	NA	1	1999	2412

4.49 Ythan Estuary, Sands of Forvie and Miekle Loch SPA – EU code UK9002221

The Ythan Estuary, Sands of Forvie and Meikle Loch SPA covers three sites lying on the east coast North-East Scotland, located at latitude 57 20 30 N, longitude 01 57 30. The site comprises a variety of habitats, with dunes and links providing suitable breeding areas for terns. The SPA covers an area of 1016.24 ha.

4.49.1 Citation details

Date of classification – 30/03/1998

Species	Season	Qualification	Population at citation	Significance
Little tern	Breeding	National importance	41 pairs (count as at early 1990s)	1.7% of the East Atlantic breeding population
Common tern	Breeding	National importance	265 pairs (count as at early 1990s)	2.2% of the East Atlantic breeding population
Sandwich tern	Breeding	National importance	600 pairs	4.3% of the East Atlantic breeding population

4.49.2 SPA trend summary table

Features	Average proportion of count sites covered when data collected, since Seabird 2000	Proportion of years covered since Seabird 2000 (up to 2011)	Trend	Confidence in trend
1 count site, S2K data 2001				
Little tern	1.0	1.0		
Common tern	1.0	1.0	decrease	very high
Sandwich tern	1.0	1.0	stable	very high

4.49.3 Ythan Estuary, Sands of Forvie and Miekle Loch SPA features summary

4.49.3.1 Little tern

Site	Raw counts - Pairs																					
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Sands of Forvie	22	0	0	0	0	0	17	74	74	56	58	50	46	48	39	2	9	29	27	12	29	31

Site	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011
Sands of Forvie	22	41	7	5	7	30	22	22	67	51	72	76	29	16	19	22	25	21	36	37	31

Year of first available count	Years of count data available	Five year mean					Data for and since Seabird 2000					Most recent count	
		Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
1969	43	30	7	23	5	5	12	36	20	55	12	2011	31

4.49.3.2 Sandwich tern

Site	Raw counts - pairs																				
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Sands of Forvie	740	1362	2100	1240	80	550	825	1189	1139	967	1194	1150	1600	1583	1670	331	495	597	1082	664	744

Site	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010
Sands of Forvie	1126	1115	29	0	0	20	0	4	22	247	524	804	975	1008	833	570	814	900	670	645	674

Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Sands of Forvie	1969	42	741	111	15	5	5	11	765	161	21	11	2010	674

4.49.3.3 Common tern

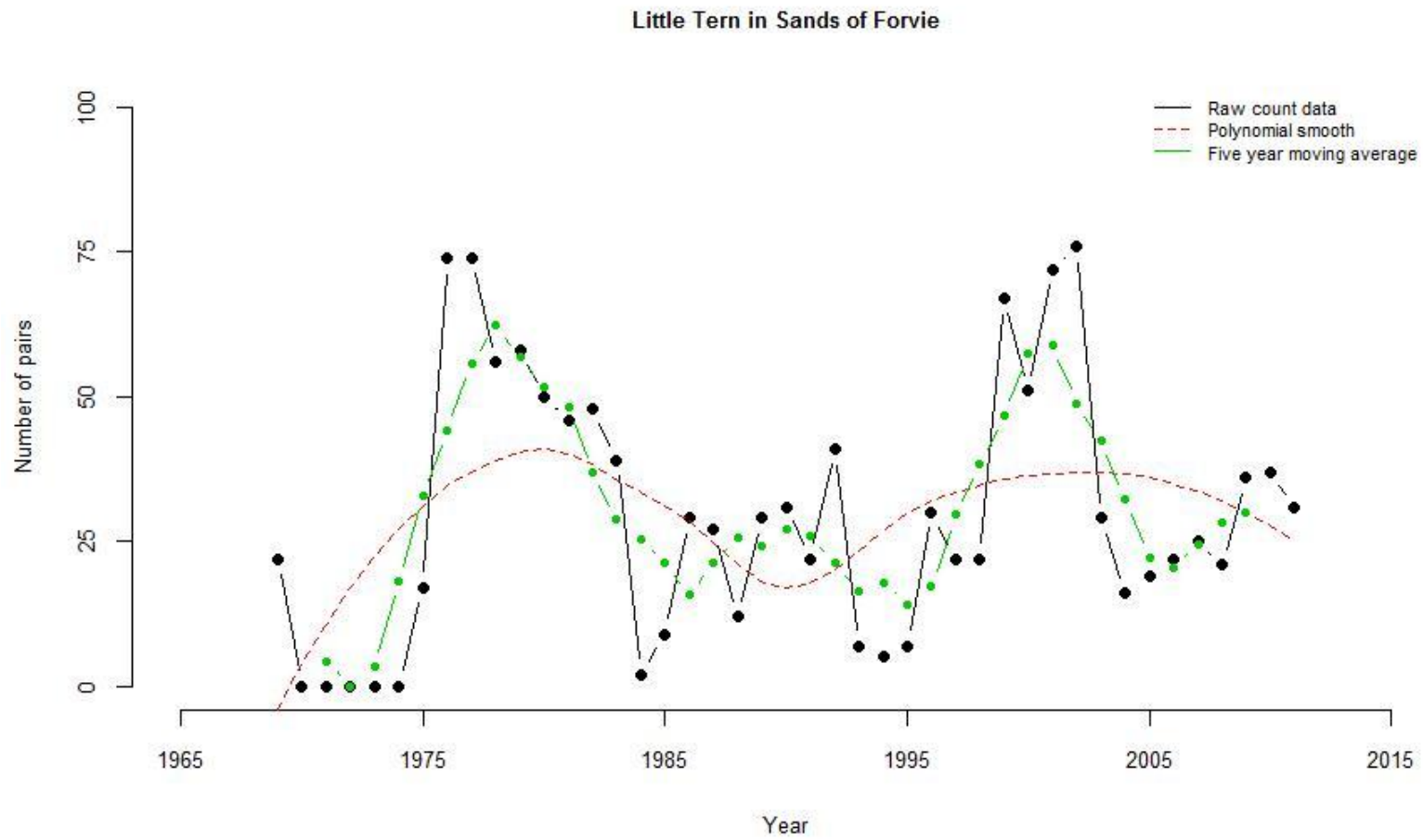
Site	Raw counts - pairs																		
	1969	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987
Sands of Forvie	475	544	350	240	300	312	500	350	331	133	180	125	100	200	465	148	164	153	163

Site	1988	1989	1990	1991	1993	1994	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2010
Sands of Forvie	155	196	265	173	0	0	13	40	15	32	31	50	59	11	19	0	6	4

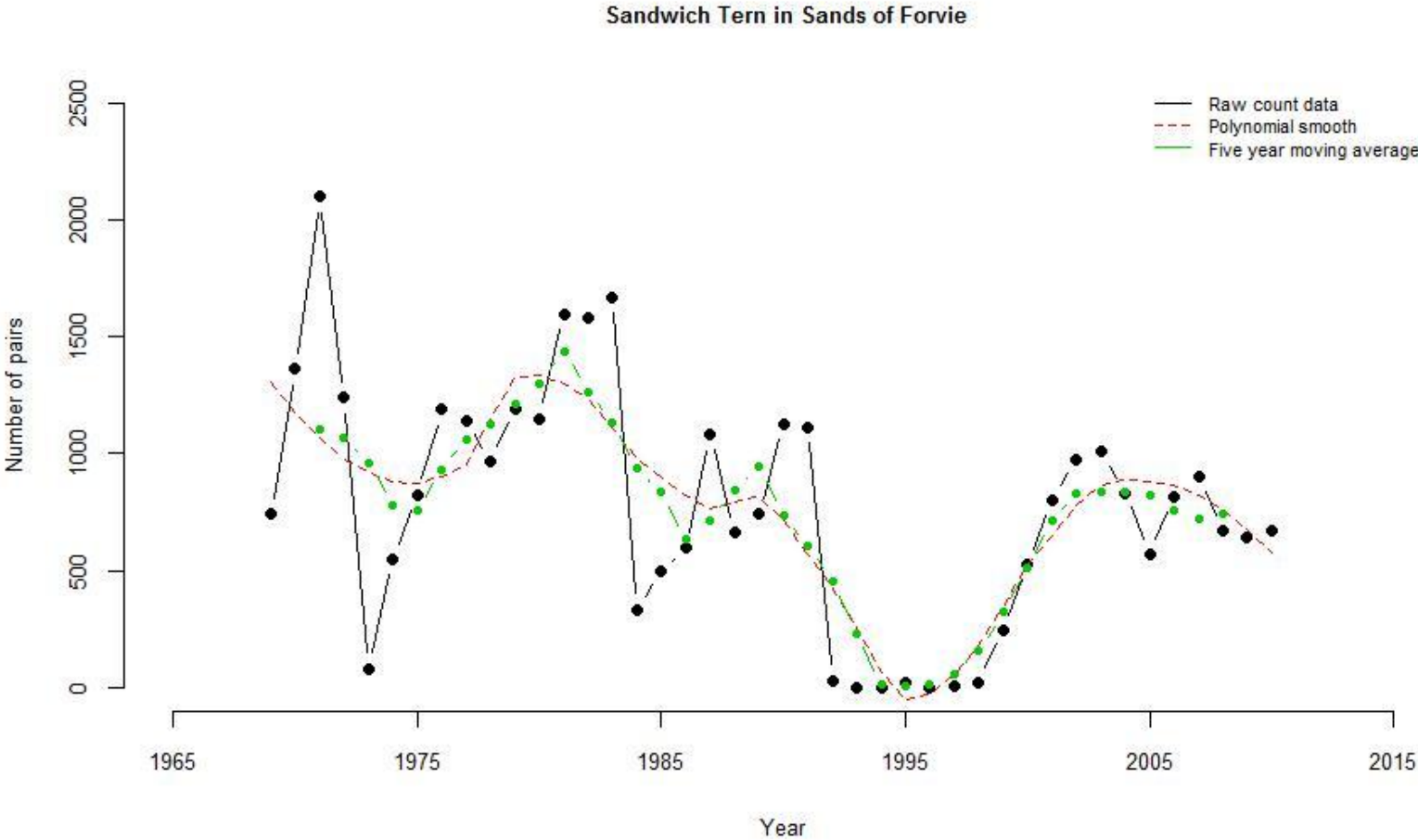
Site	Year of first available count	Years of count data available	N year mean					Data for and since Seabird 2000					Most recent count (pairs)	
			Mean	Stdev	%CV	N	Yr. span	No. yearly counts	Mean	Stdev	%CV	Yr. span	Year	Count
Sands of Forvie	1969	37	8	7	91	5	8	8	23	22	98	11	2010	4

4.49.4 Trend summary for species with sufficient data Ythan Estuary, Sands of Forvie and Miekle Loch SPA

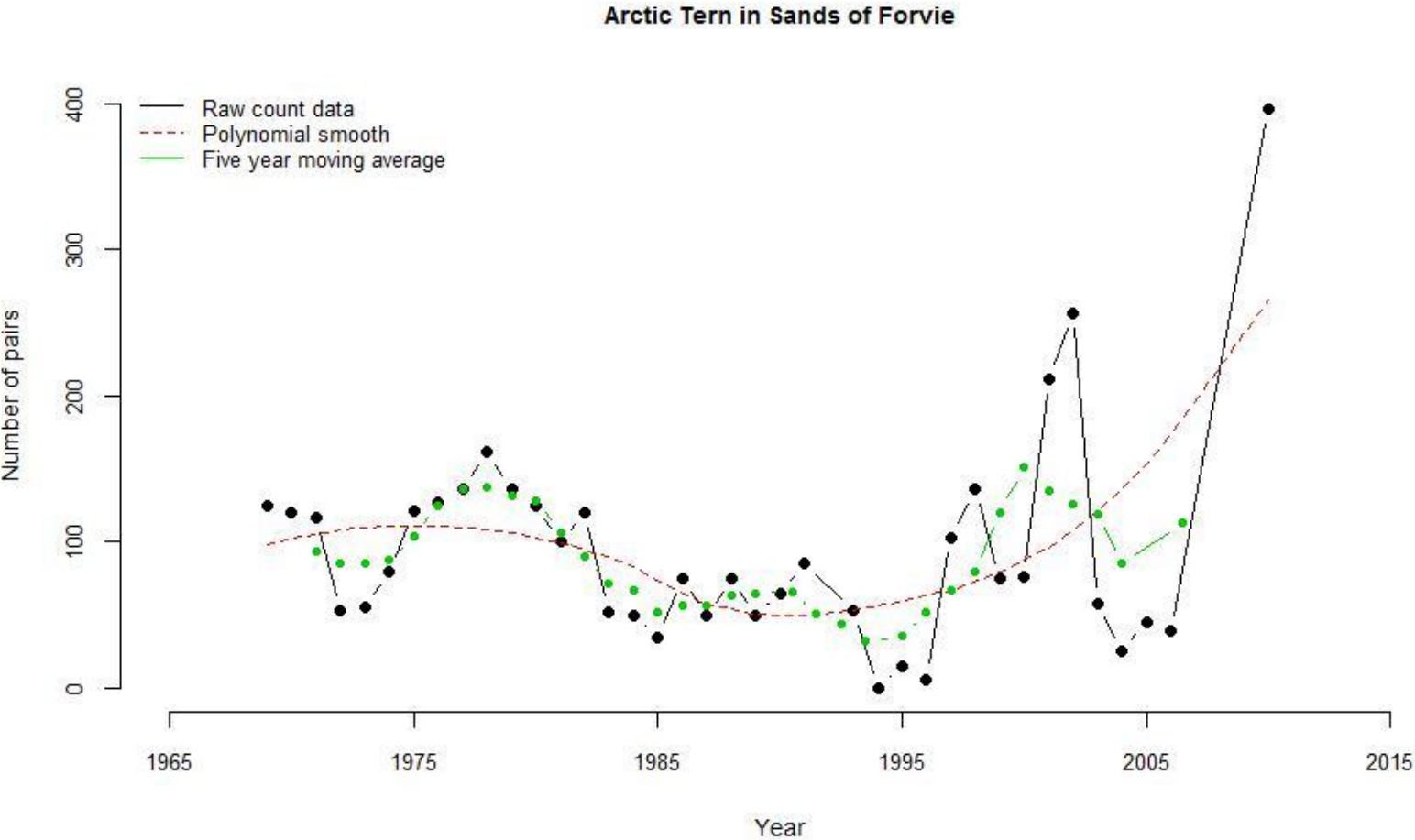
4.49.4.1 Little Tern



4.49.4.2 Sandwich Tern



4.49.4.3 Arctic tern



5 References

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