

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)

Authors: Mark Lewis, Dr Gillian Lye, Dr Chris Pendlebury & Richard Walls

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Natural Power Consultants Ltd
The Green House, Forrest Estate
Dalry, Castle Douglas
DG7 3XS
SCOTLAND UK

Tel +44 (0) 1644 430 008



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Population sizes of seabirds breeding in Scottish SPAs

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| Authors: | Mark Lewis and Dr Gillian Lye | 20/07/2012 |
| Checked By: | Dr Chris Pendlebury | 20/07/2012 |
| Approved By: | Richard Walls | 20/07/2012 |

Distribution: Marine Scotland – Phil Alcock, Ian Davies & Phil Gilmour

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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 Citation data for SPAs are often out of date as much of it is from the early 1990s, with some of it dating back to as early as 1970.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 |

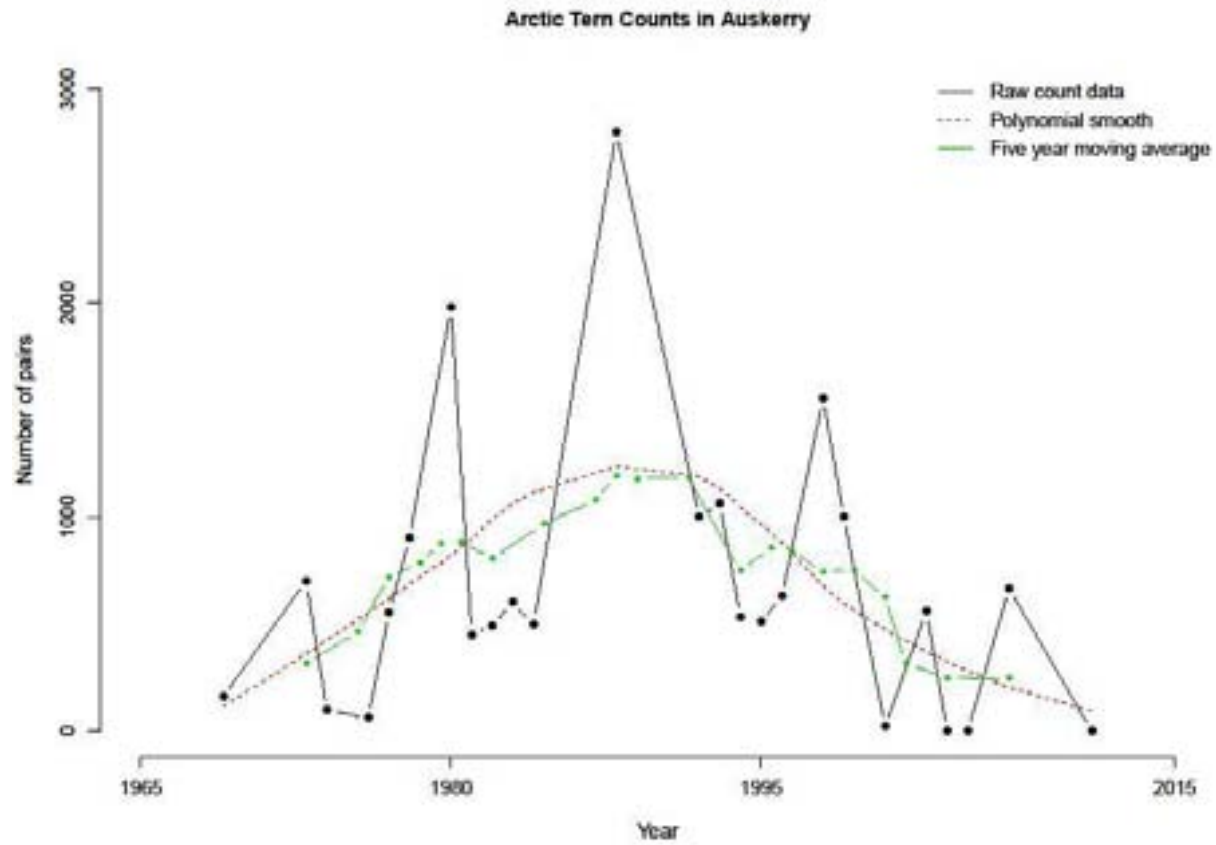
4.2.3.2 Arctic tern

| 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 |

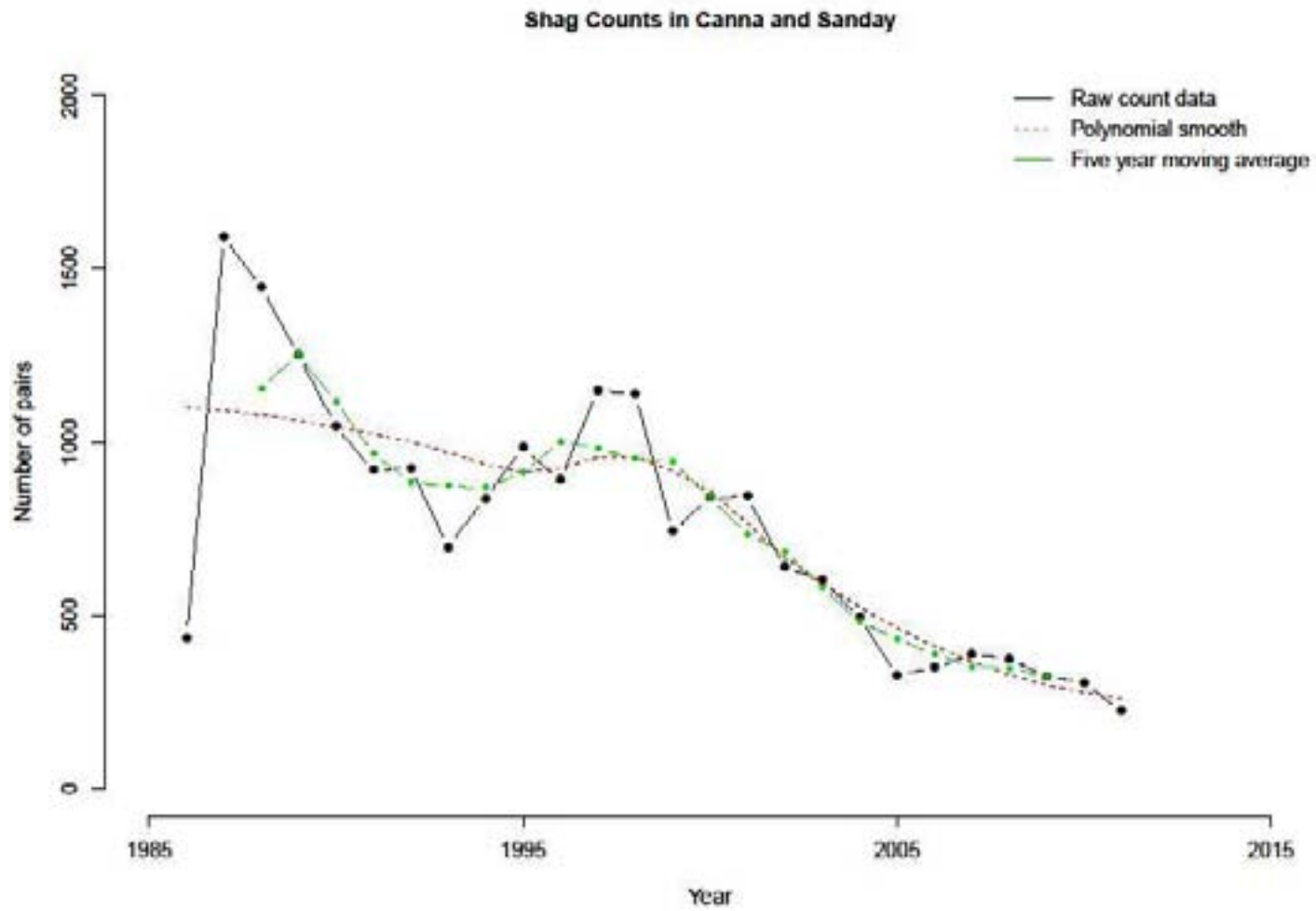
4.5.3.4 Atlantic Puffin

| |
|--------------------------|
| Raw counts - individuals |
| 1999 |
| 945 |

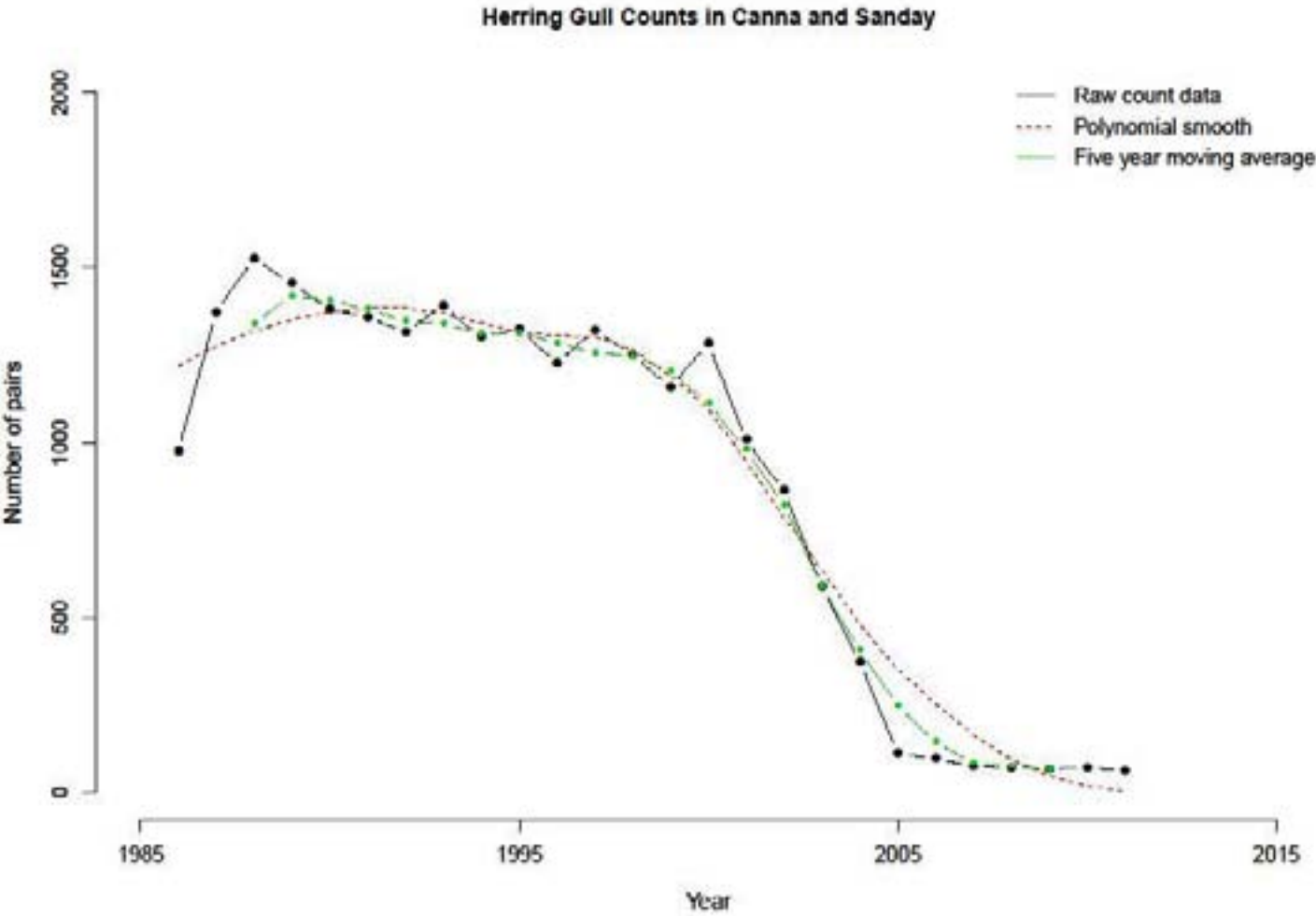
| Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | | Most recent count (individuals) | |
|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|------|-------|-----|----------|---------------------------------|-------|
| | | 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

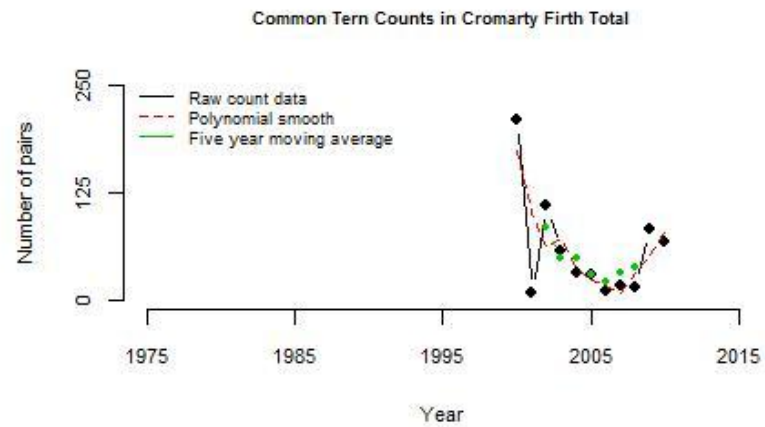
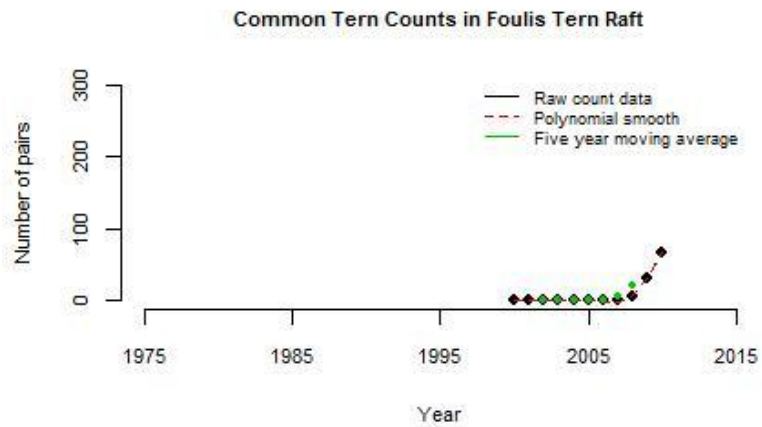
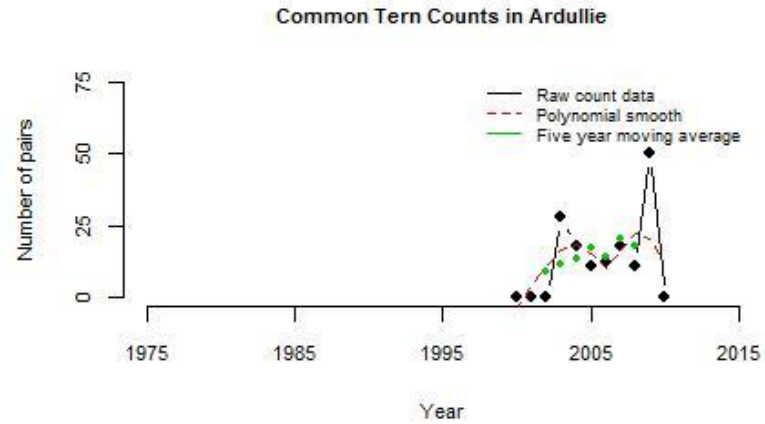
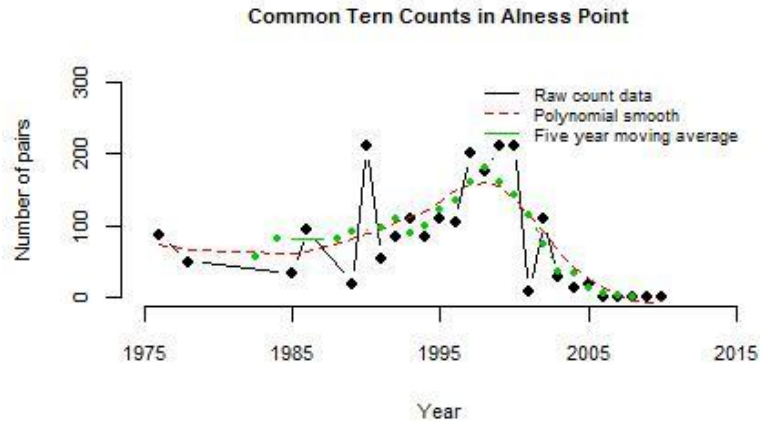
4.8.3.1 Common tern

| 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 |
| Gearthy 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 |
| Sarclet 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 |

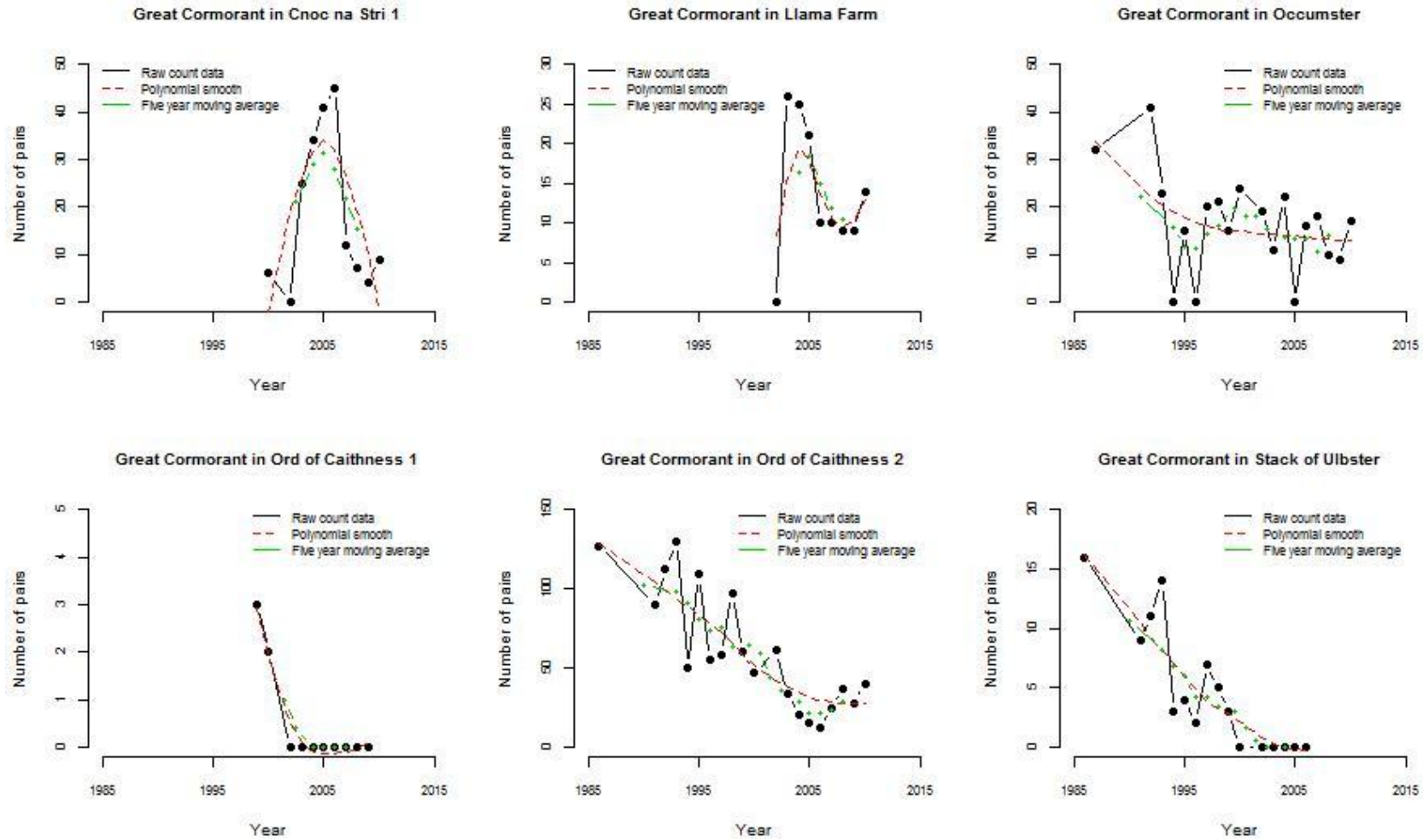
4.9.3.9 Atlantic Puffin

| 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 |

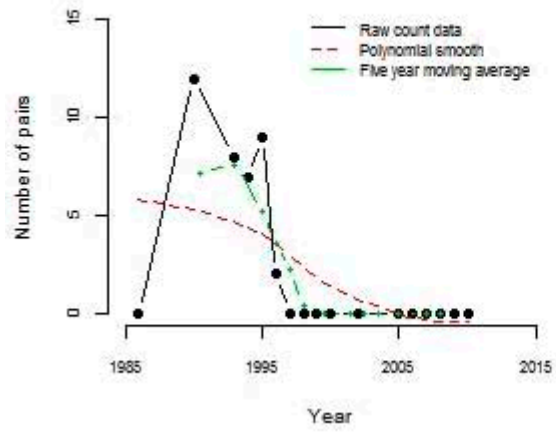
| Site | Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | Most recent count (individuals) | | |
|-----------------------|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|------|-------|-----|---------------------------------|------|-------|
| | | | 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

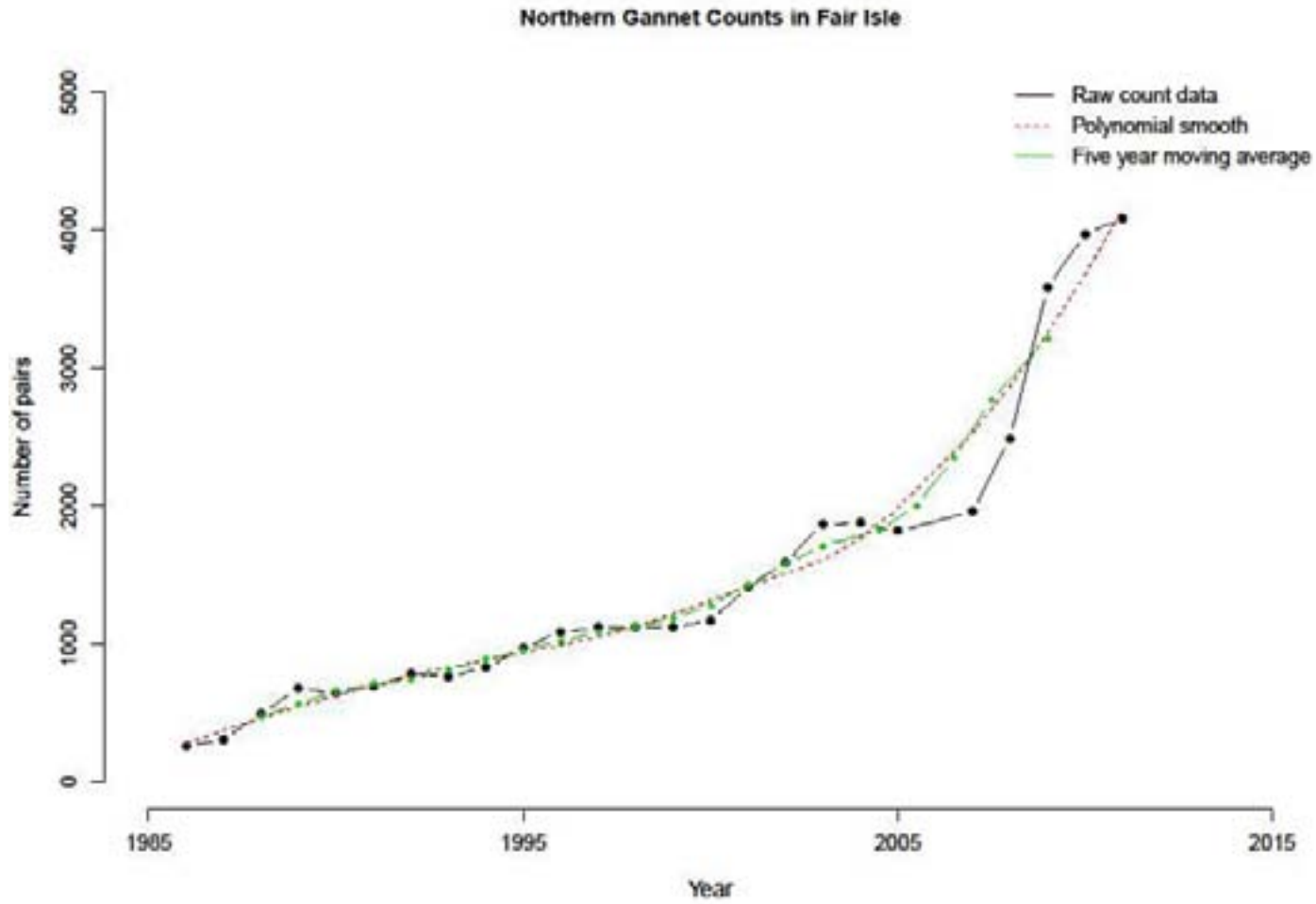
Note – data collection methods differ between 2000/2001 and 2007/2009. Therefore counts are not comparable.

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

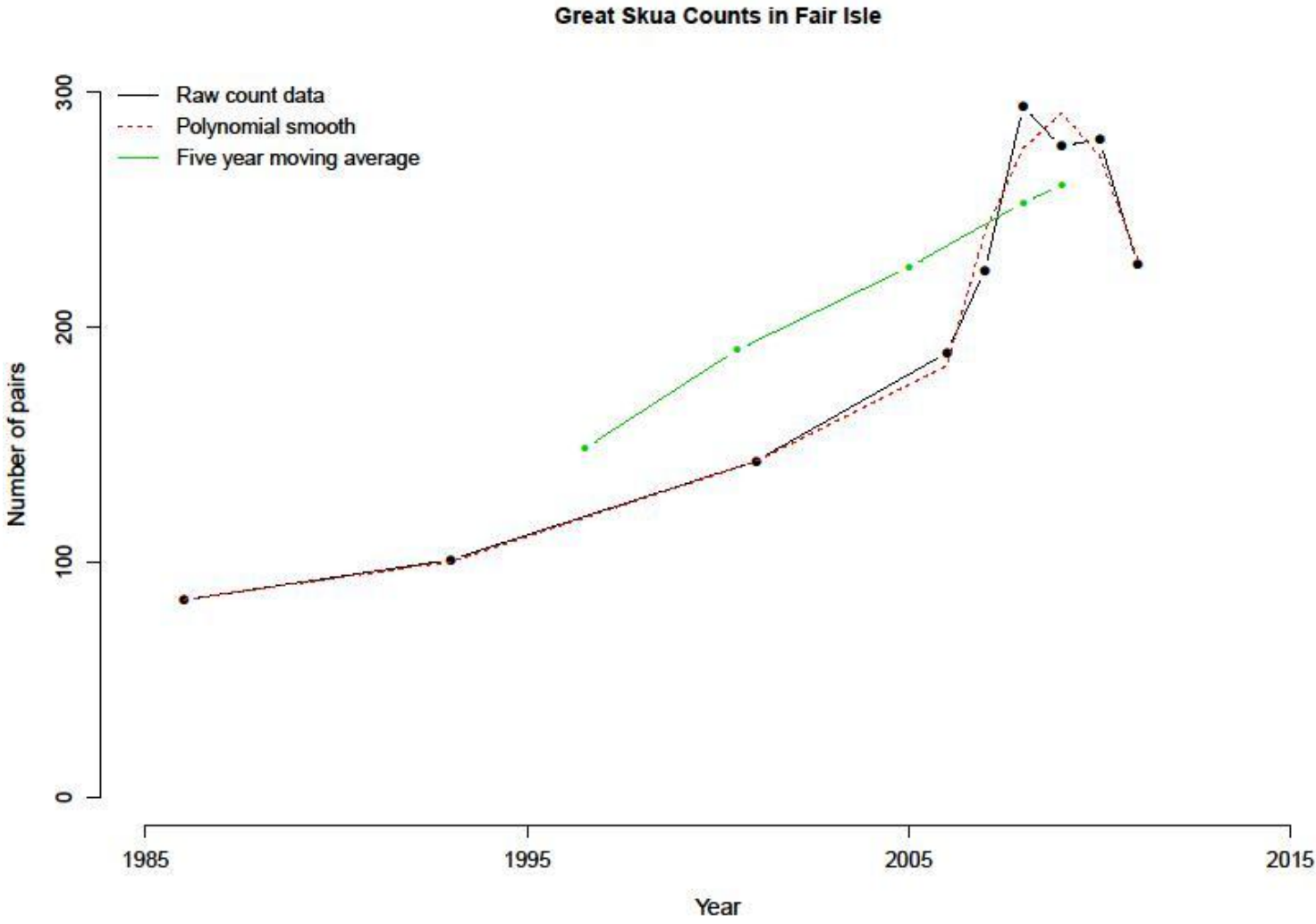
| Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | | Most recent count (individuals) | |
|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|-------|-------|-----|----------|---------------------------------|-------|
| | | 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

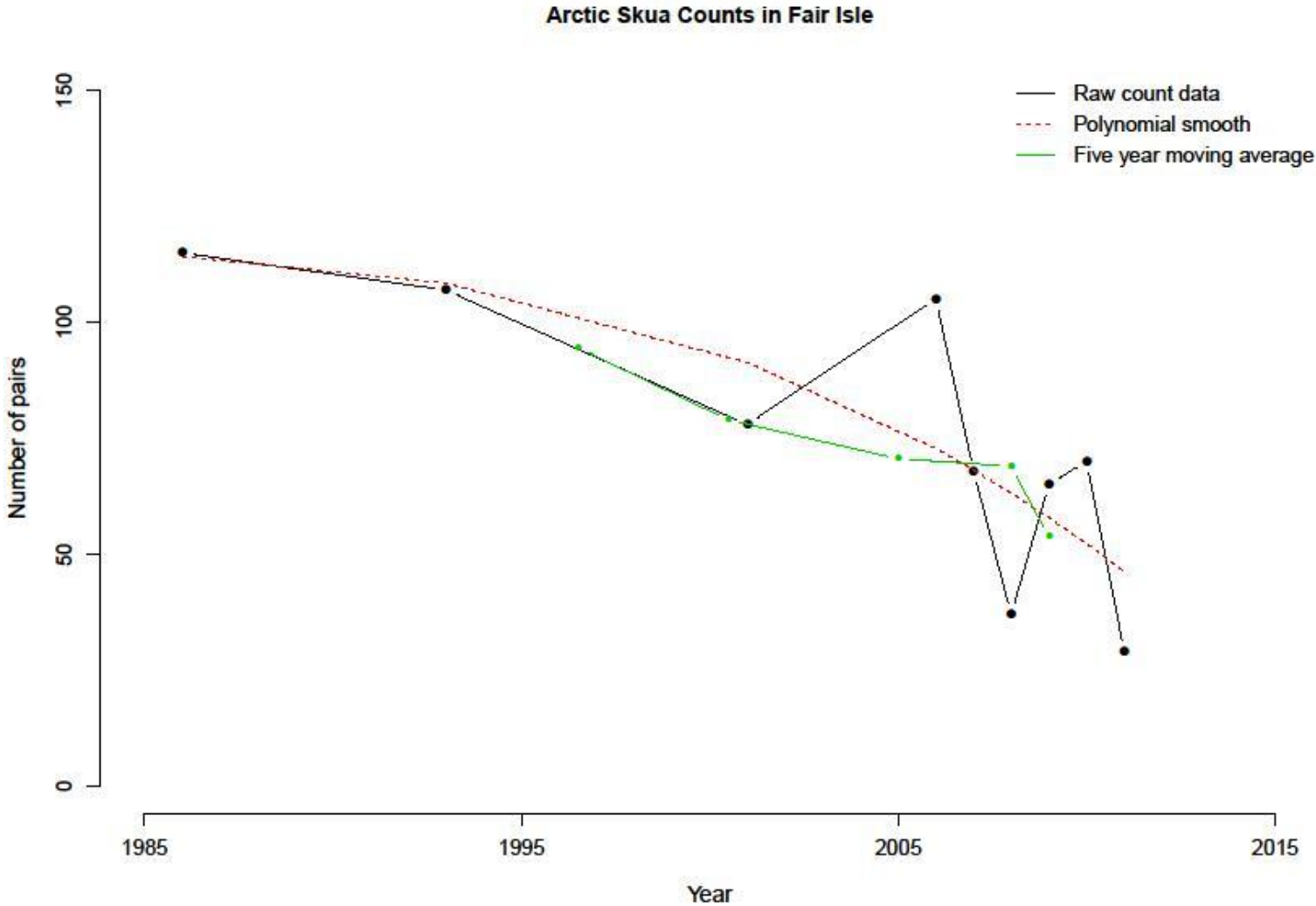
4.10.4.1 Northern gannet



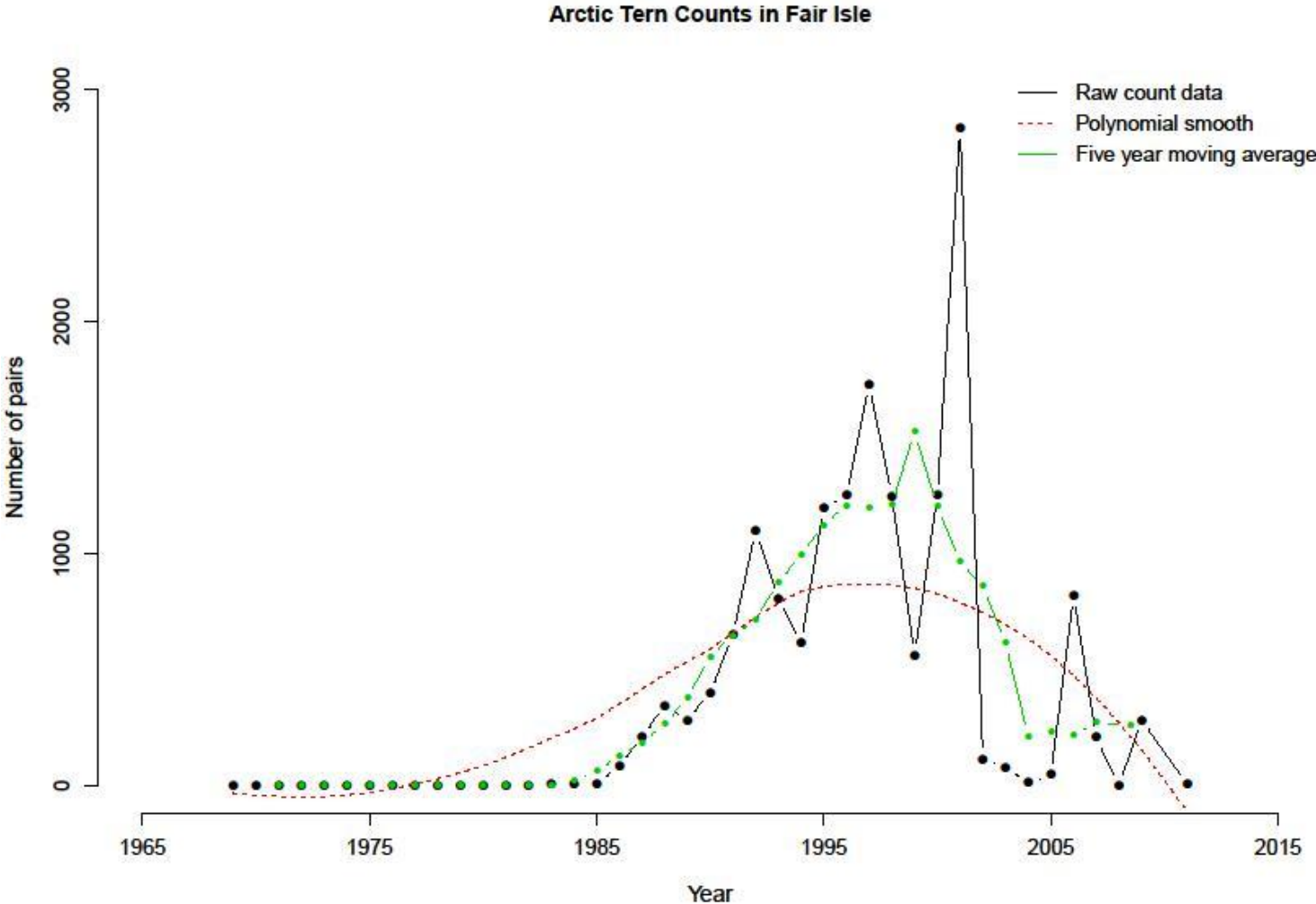
4.10.4.2 Great skua



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 |

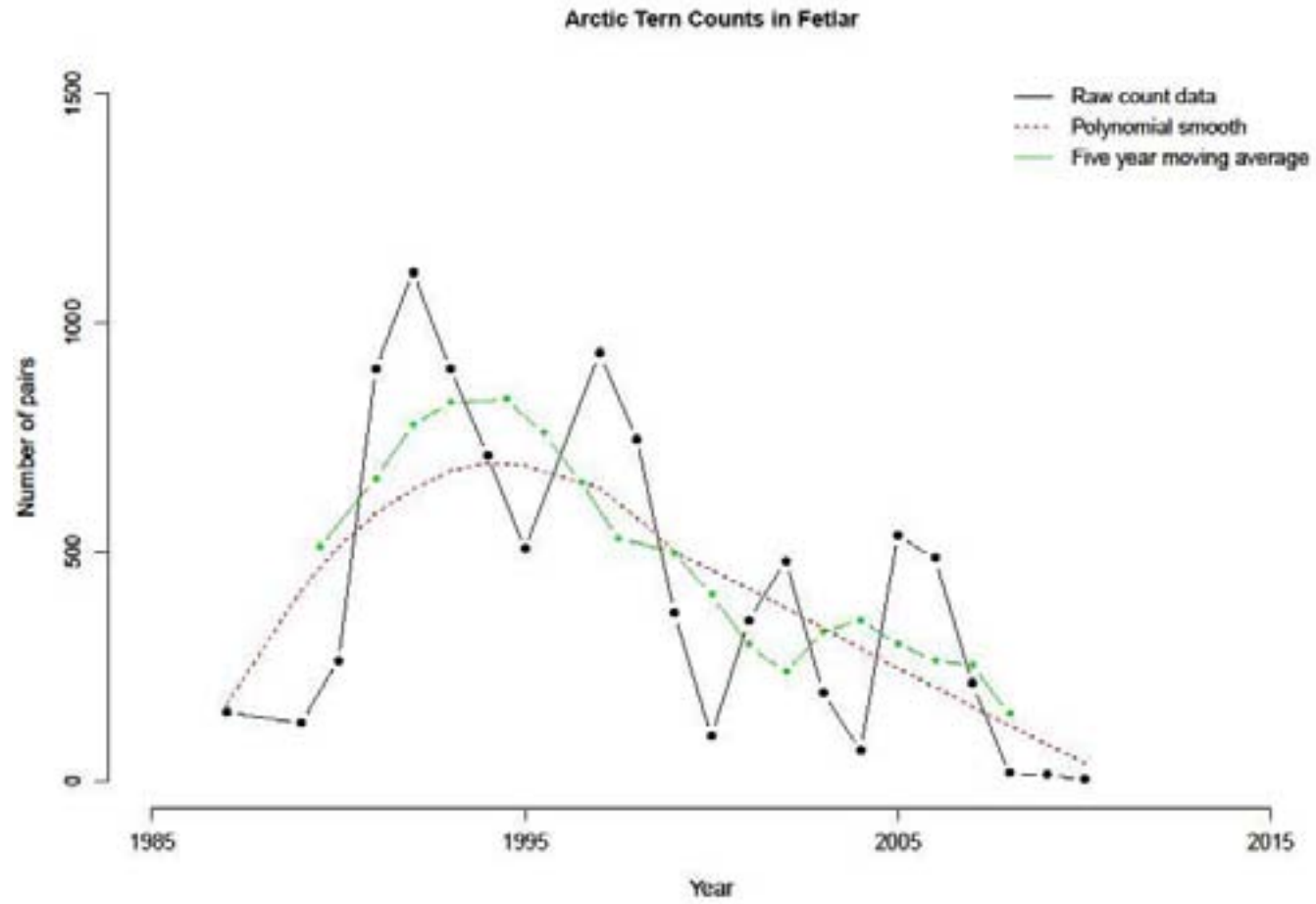
4.11.3.4 Arctic tern

| 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 |
| Craighleith | | 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 |
| Craighleith | 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 |

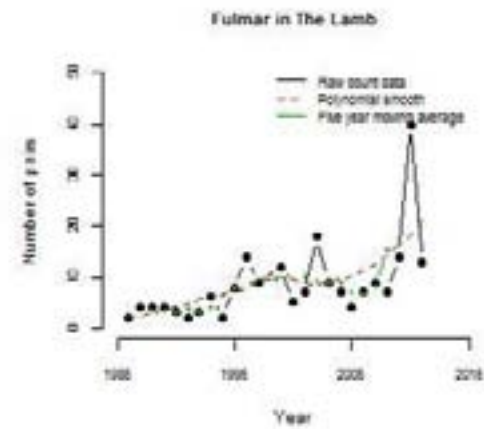
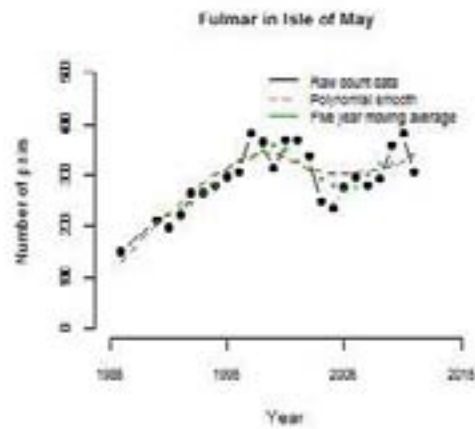
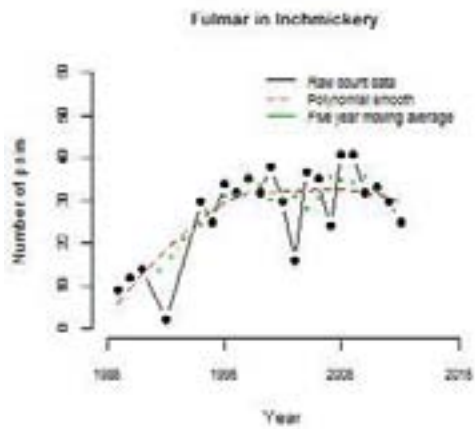
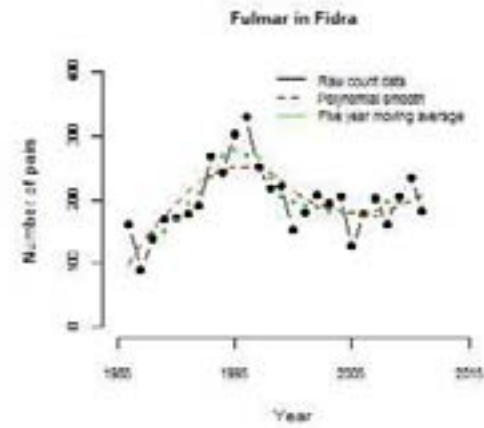
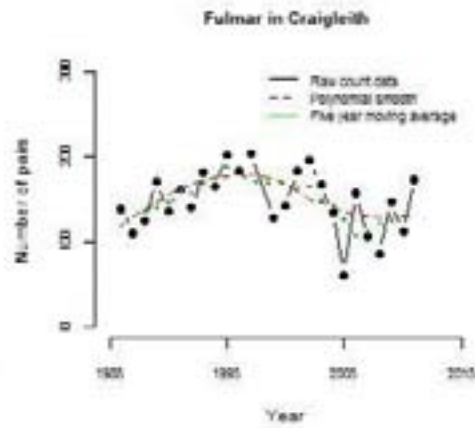
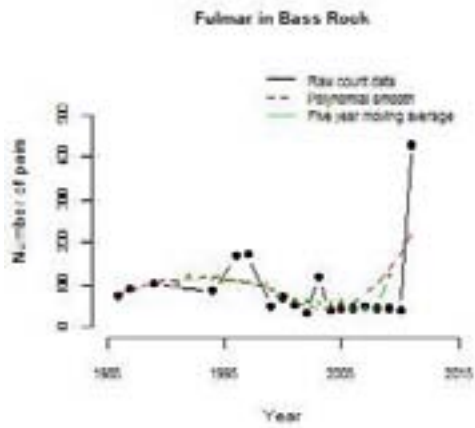
4.12.3.13 Atlantic Puffin

| 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 | | | | | | | | | |

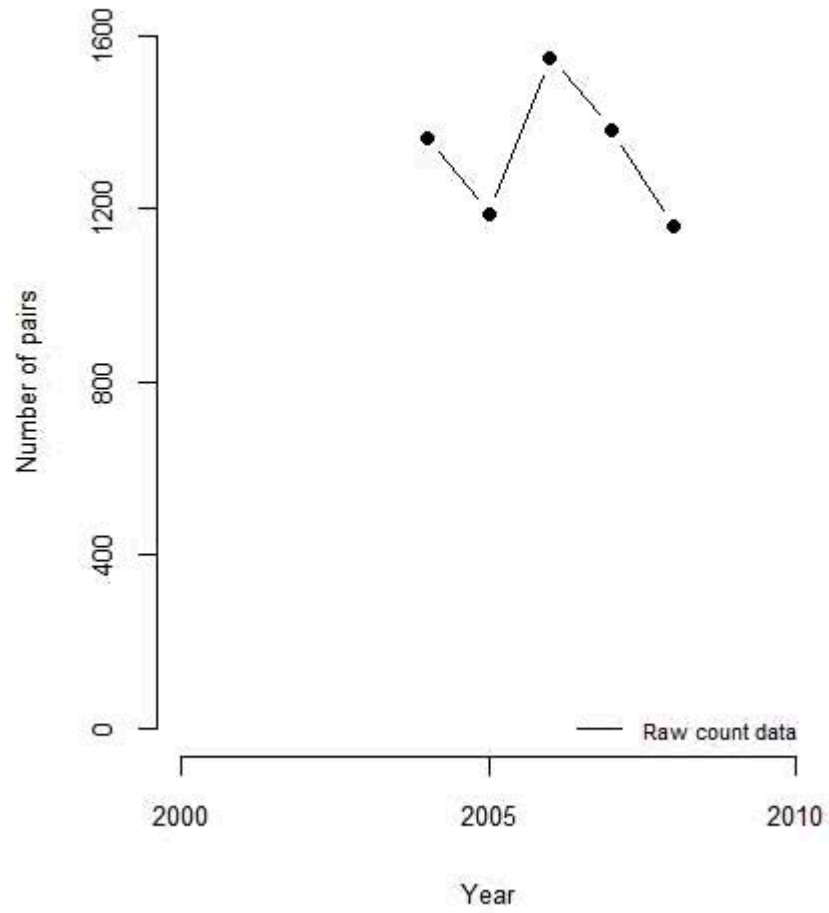
| Site | Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | Most recent count (burrows) | | |
|-------------|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|-------|-------|-----|-----------------------------|------|-------|
| | | | 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

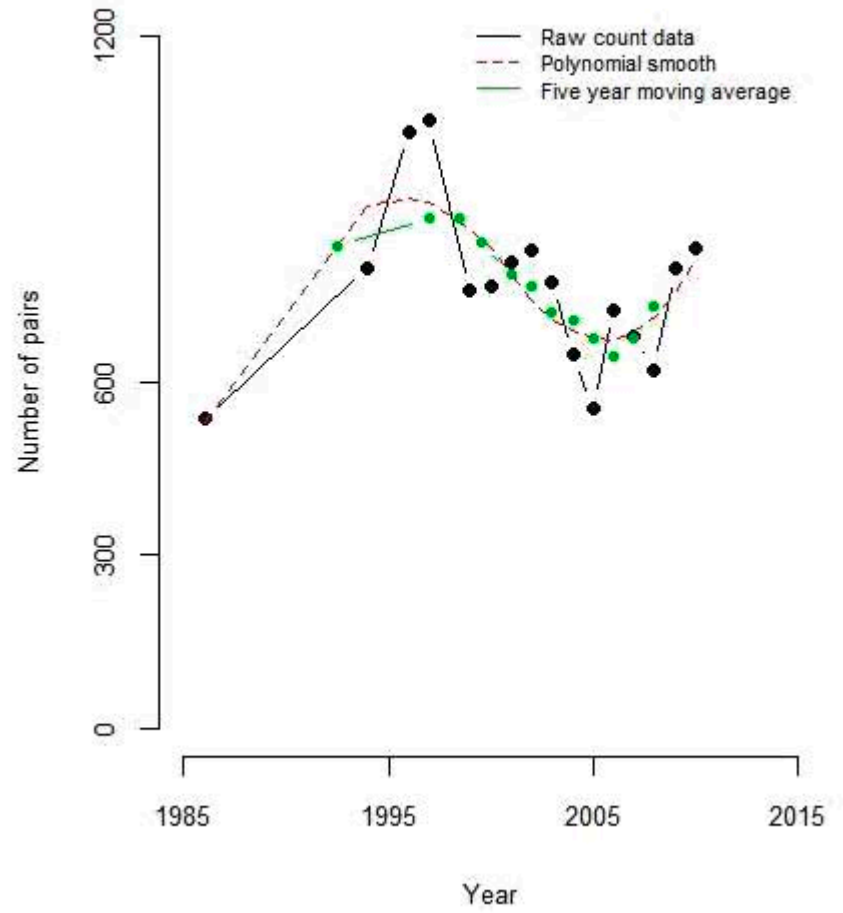
4.12.4.1 Fulmar



Fulmar in Forth Islands - Whole colony

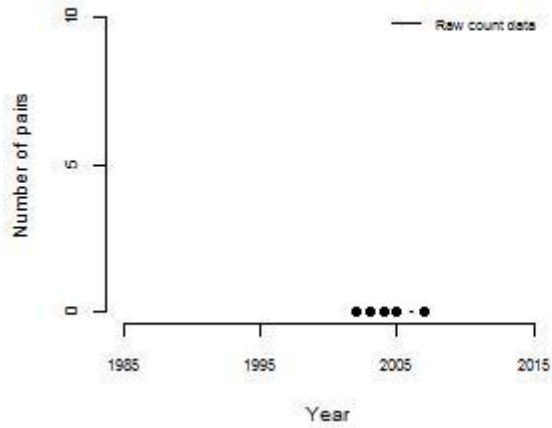


Fulmar in Forth Islands - Sum of Counts

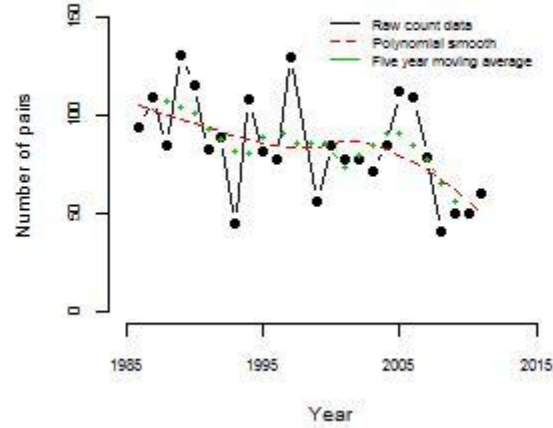


4.12.4.2 Great Cormorant

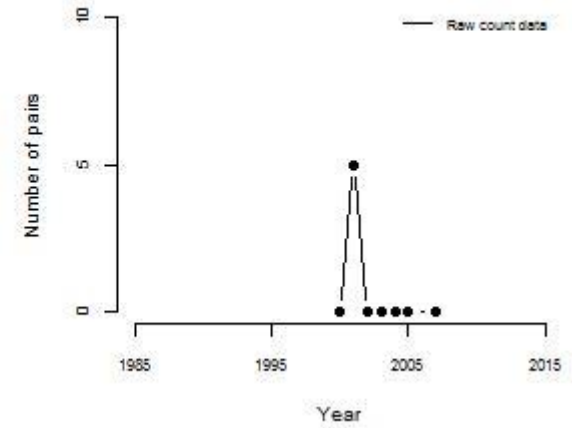
Great Cormorant in Bass Rock



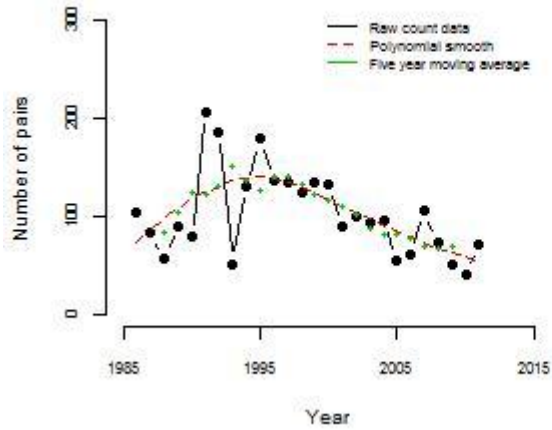
Great Cormorant in Craigleith



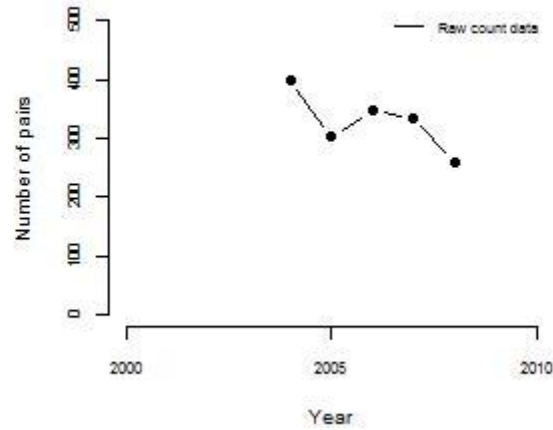
Great Cormorant in Inchmickery



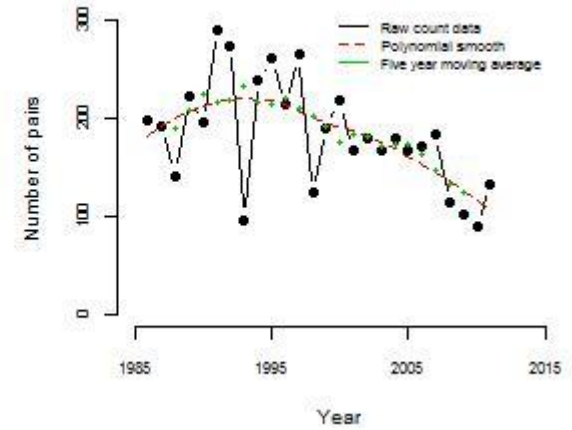
Great Cormorant in The Lamb



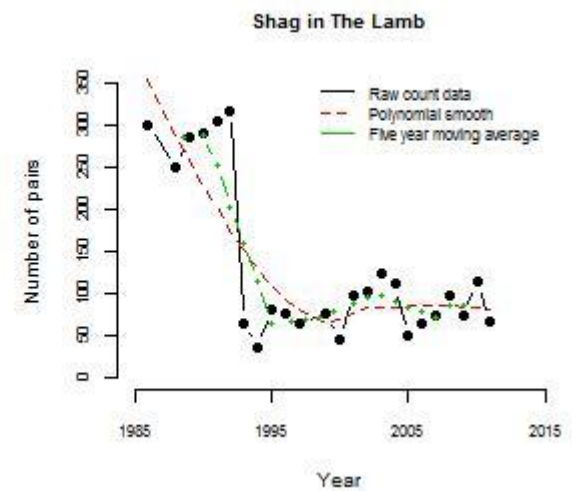
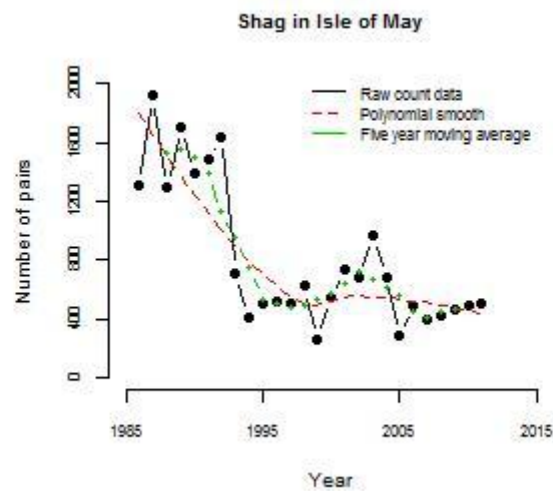
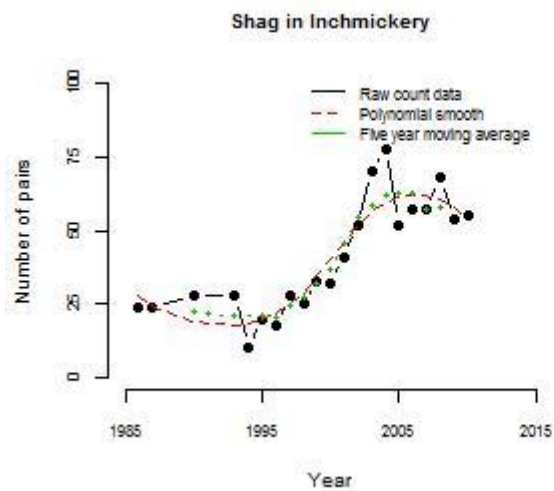
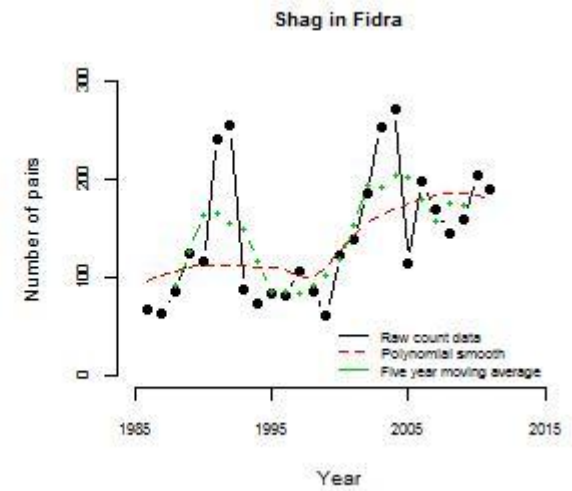
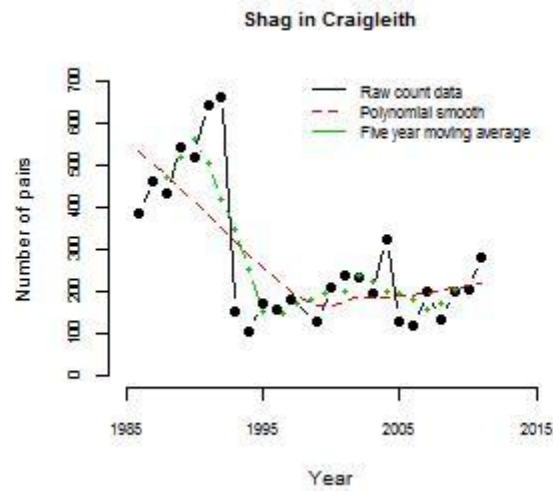
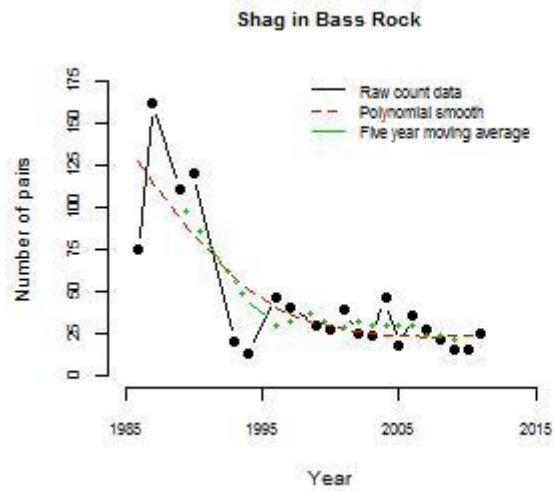
Great Cormorant in Forth Islands - Whole colony



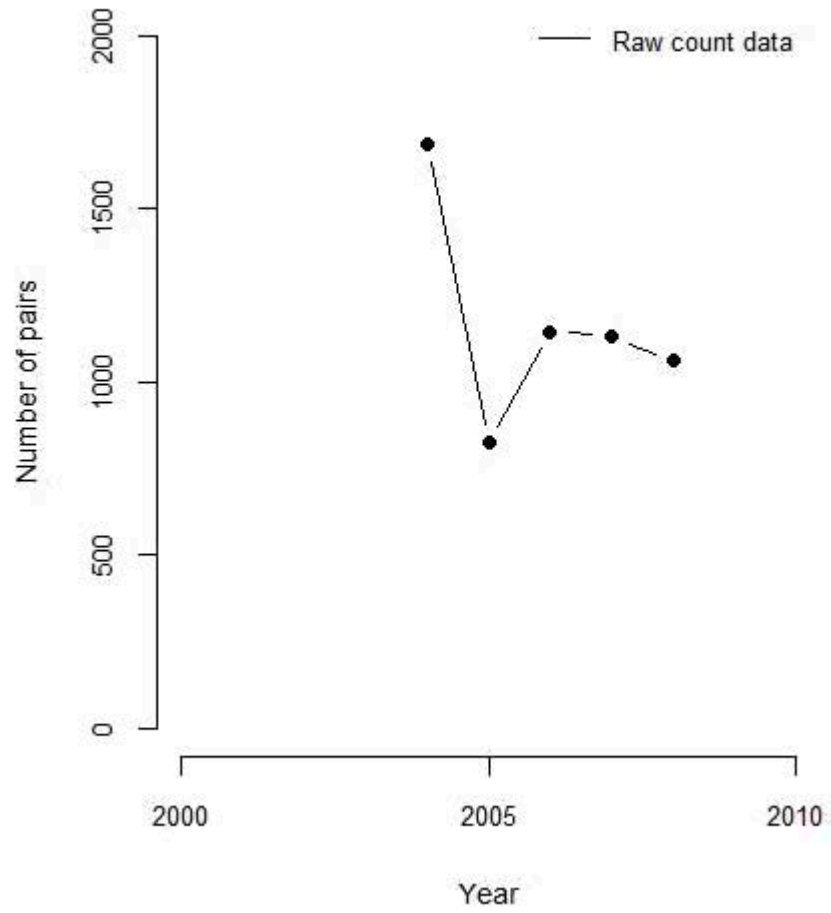
Great Cormorant in Forth Islands - Sum of Craigleith and Inchmickery



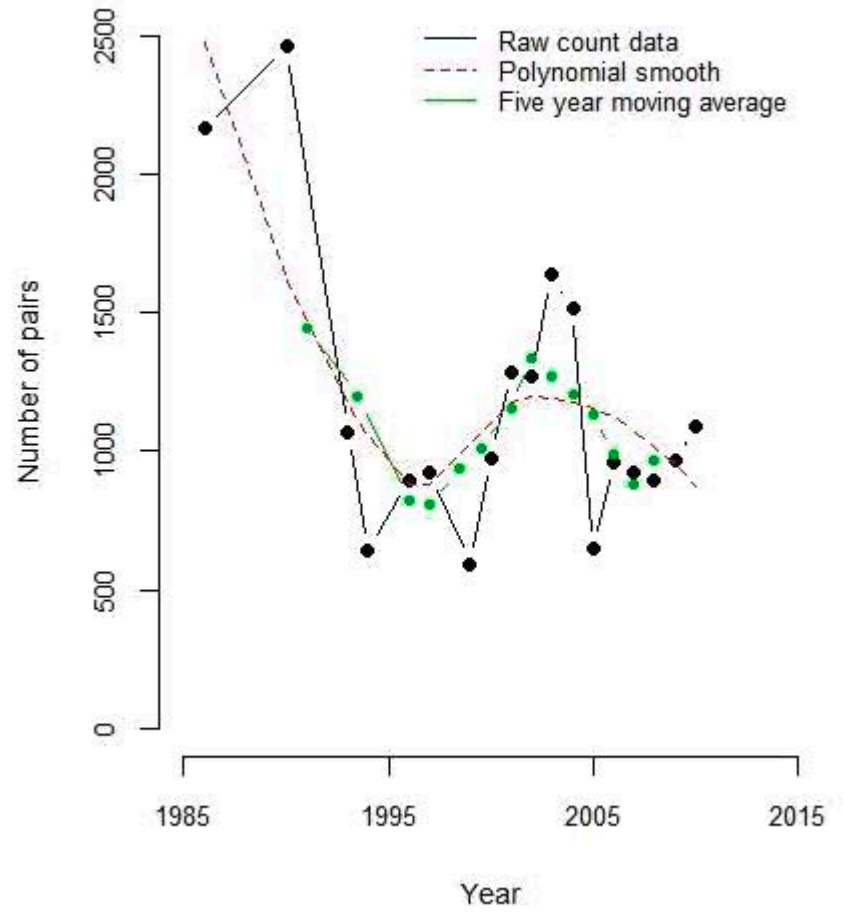
4.12.4.3 Shag



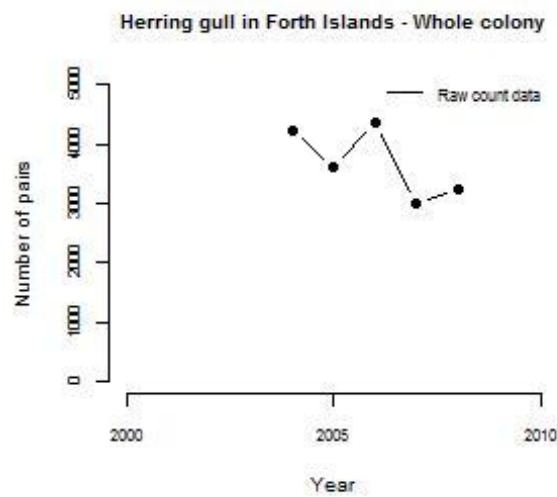
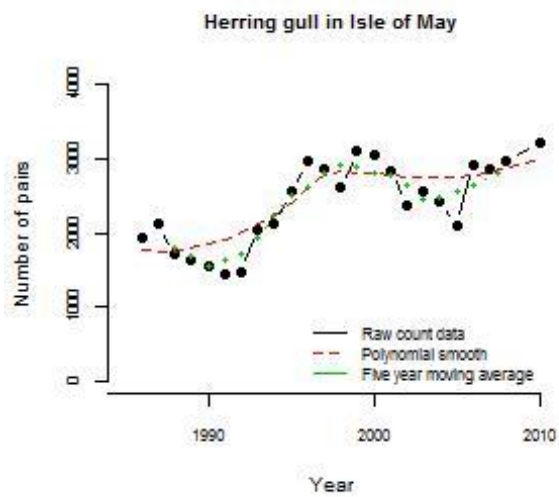
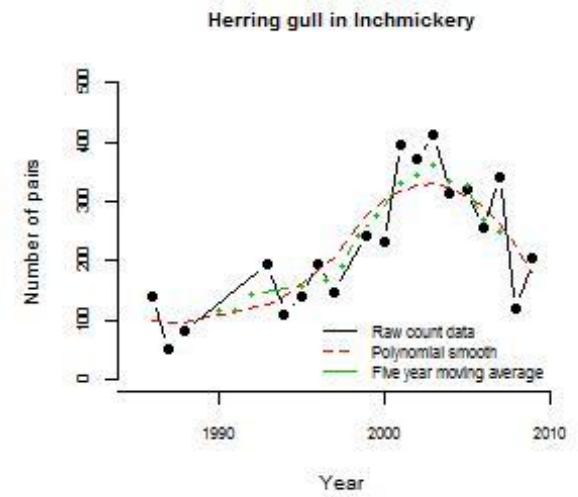
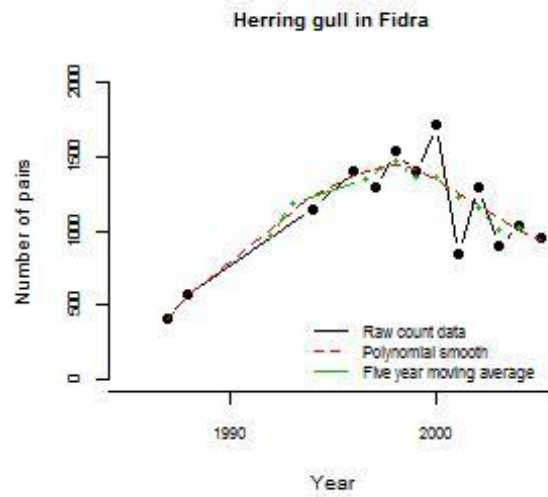
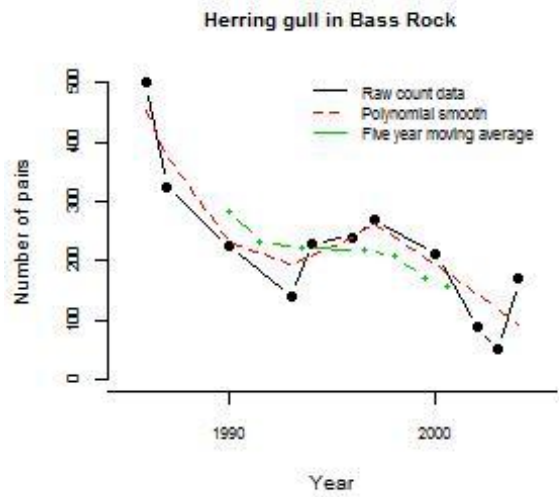
Shag in Forth Islands - Whole Colony



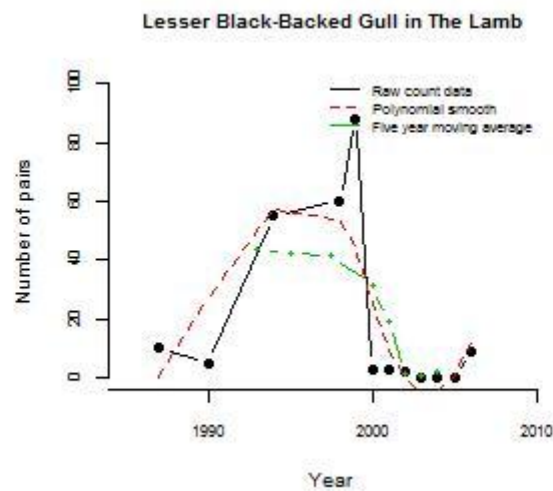
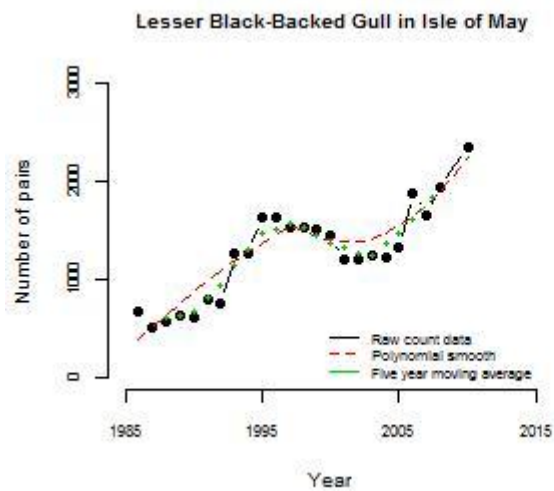
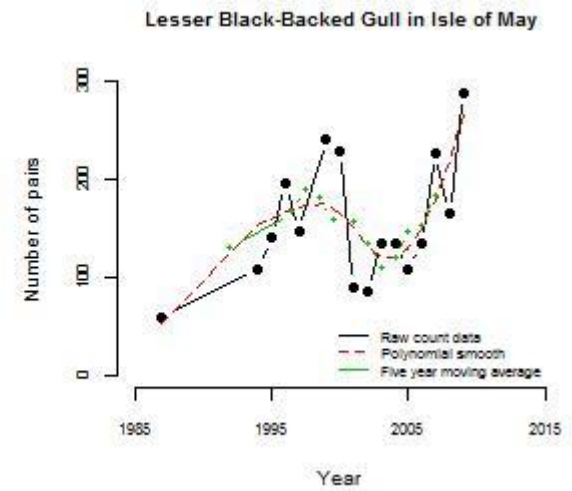
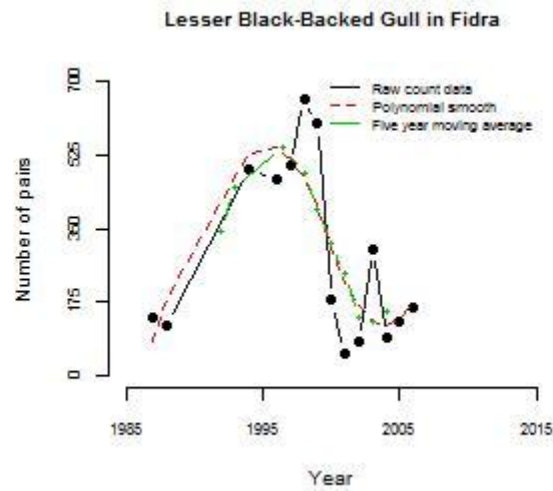
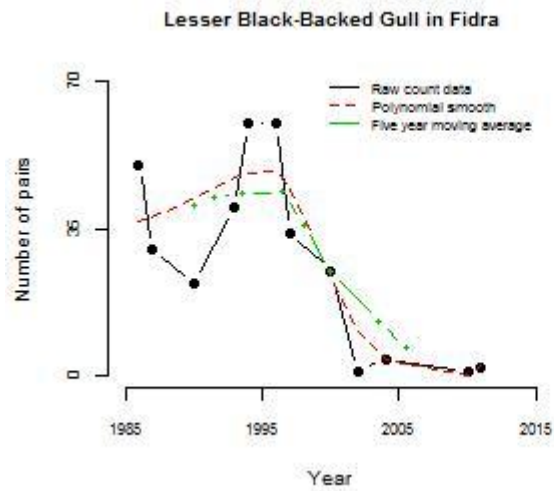
Shag in Forth Islands - Sum of Counts



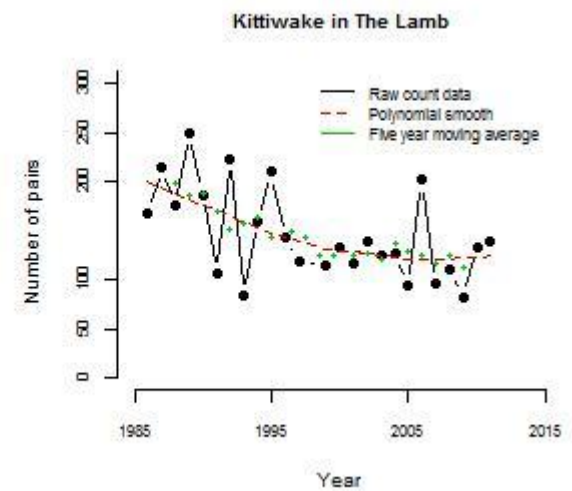
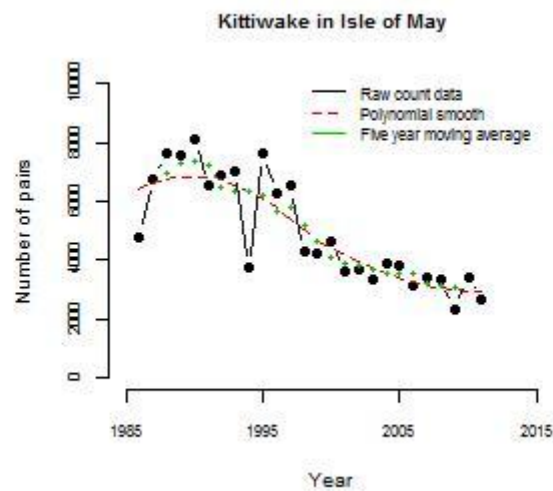
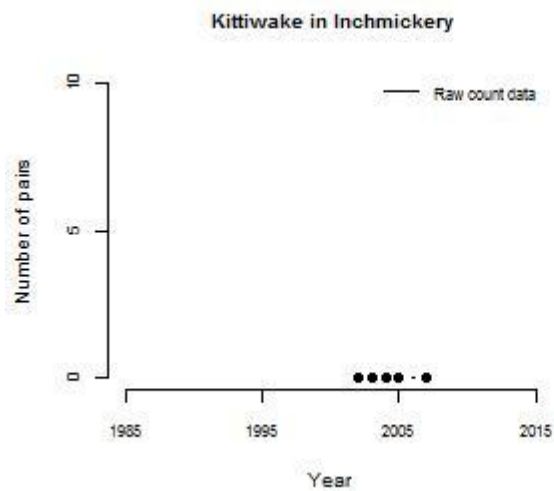
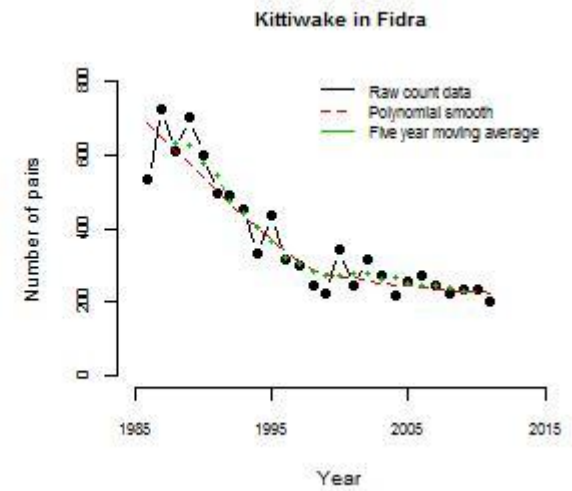
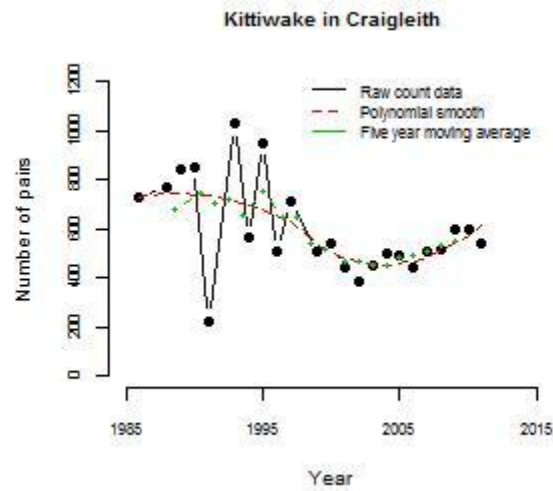
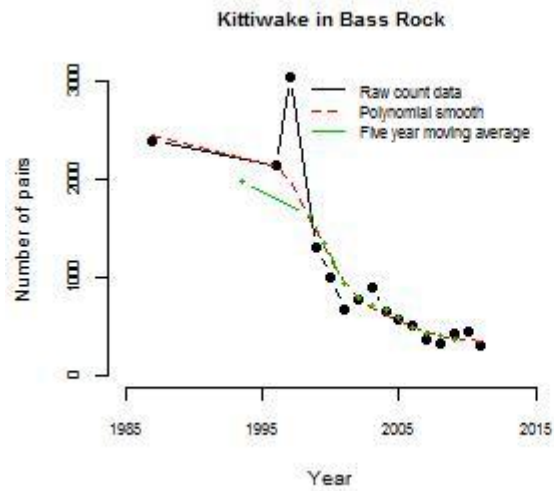
4.12.4.4 Herring gull



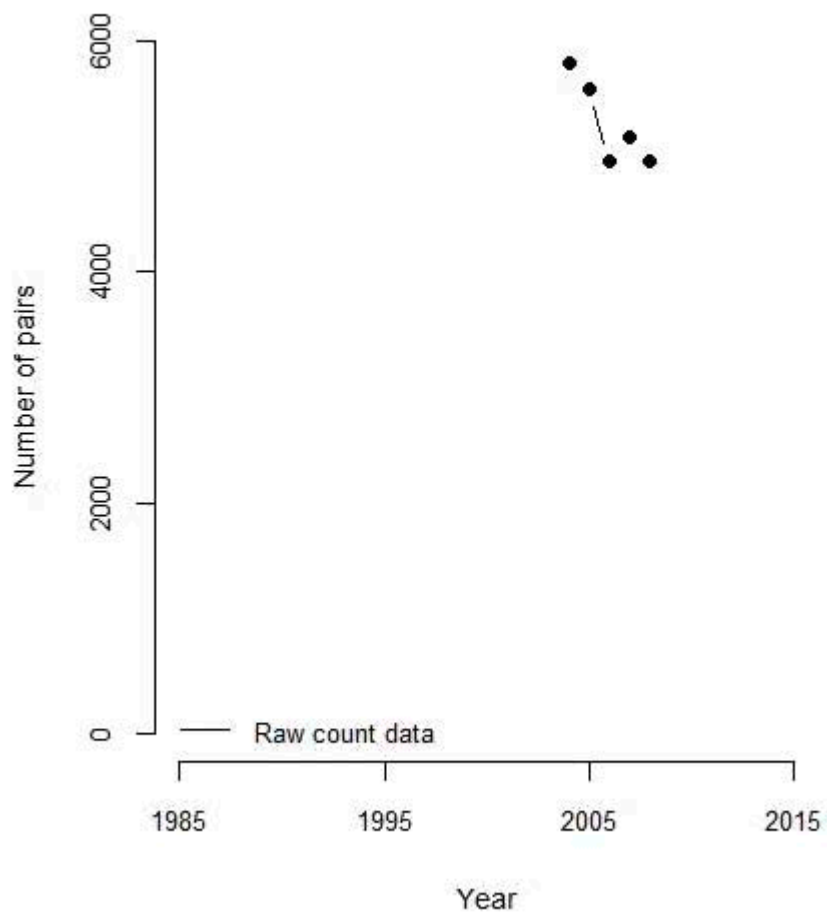
4.12.4.5 Lesser Black-Backed Gull



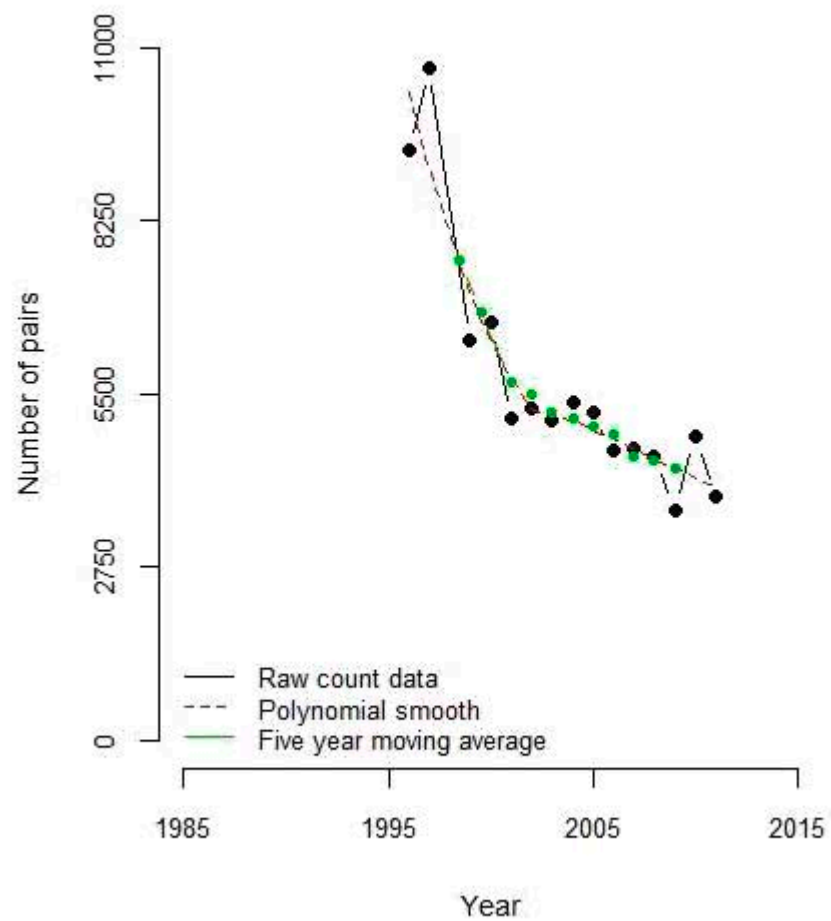
4.12.4.6 Kittiwake



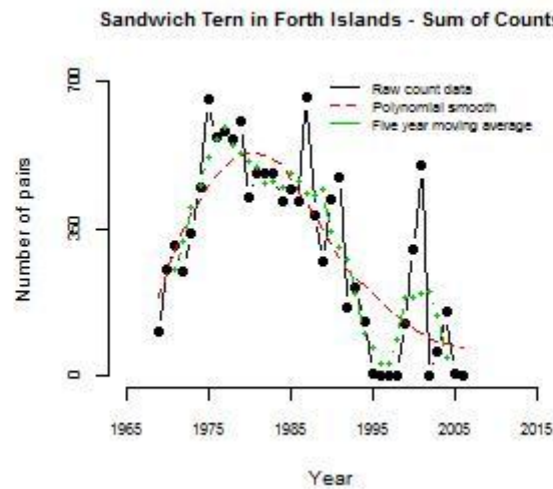
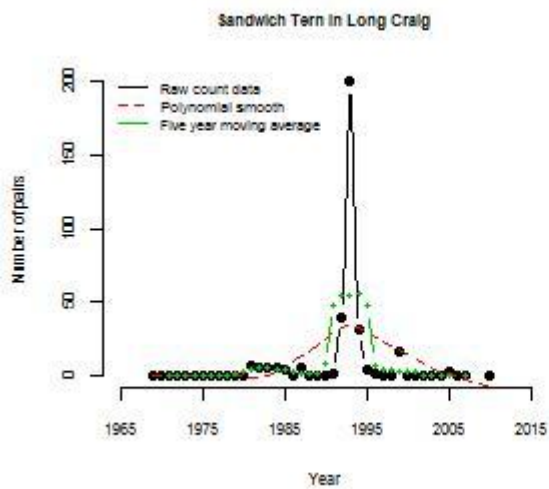
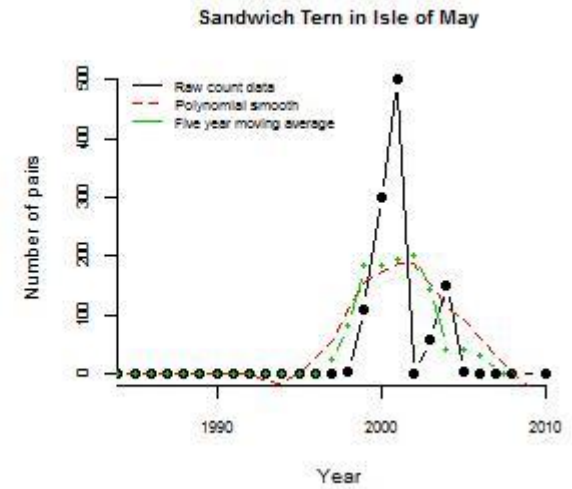
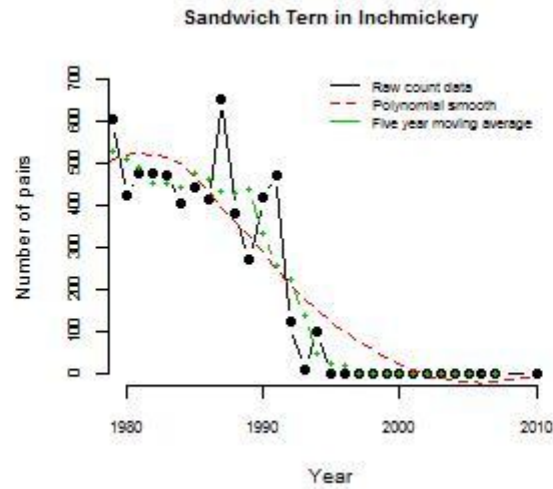
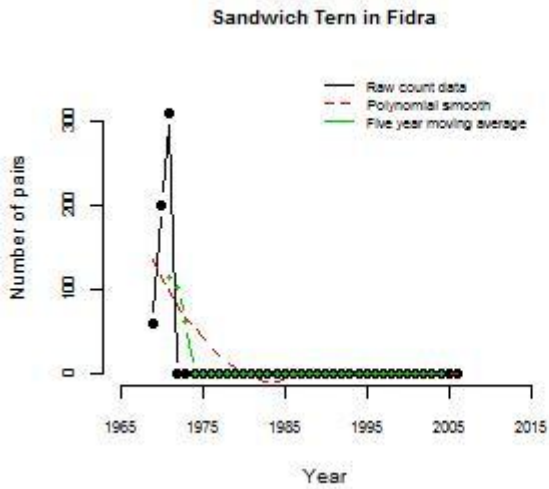
Kittiwake in Forth Islands - Whole Colony



Kittiwake in Forth Islands - Sum of Counts

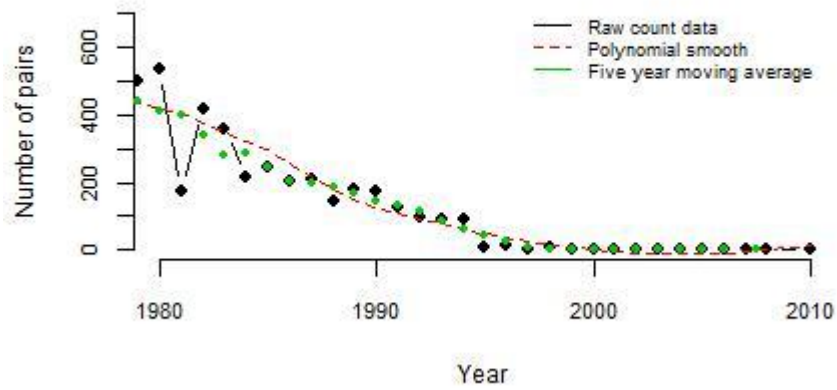


4.12.4.7 Sandwich Tern

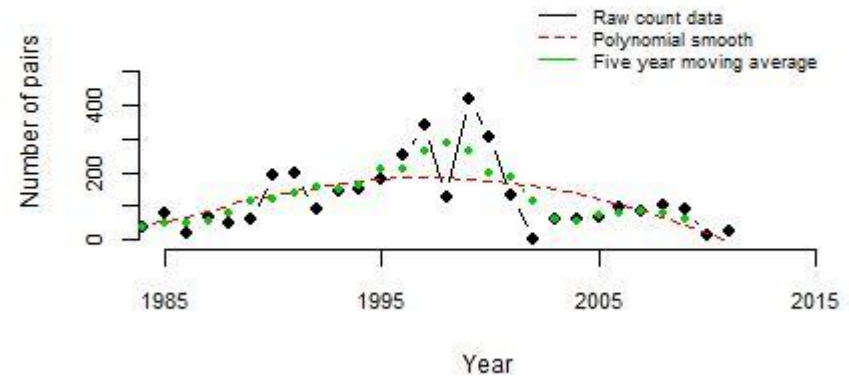


4.12.4.8 Common Tern

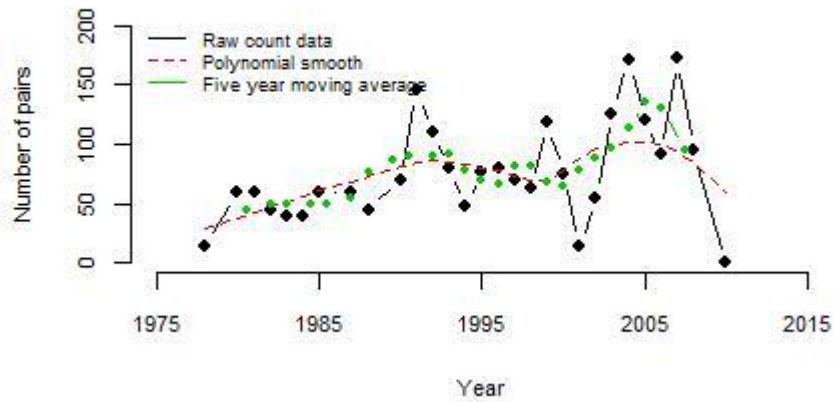
Common Tern in Inchmickery



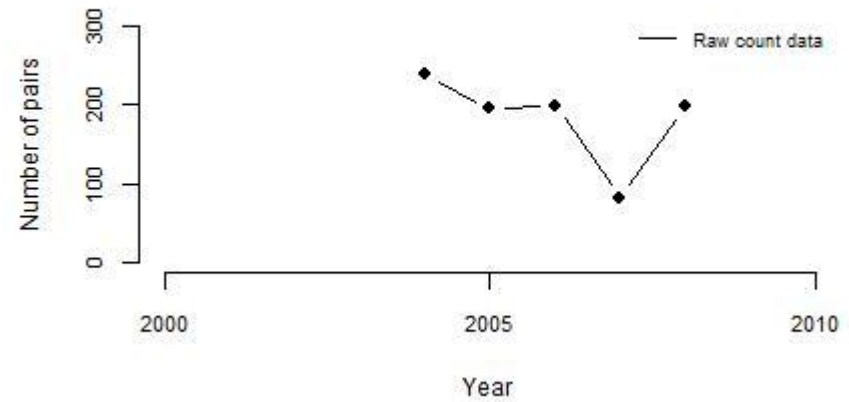
Common Tern in Isle of May



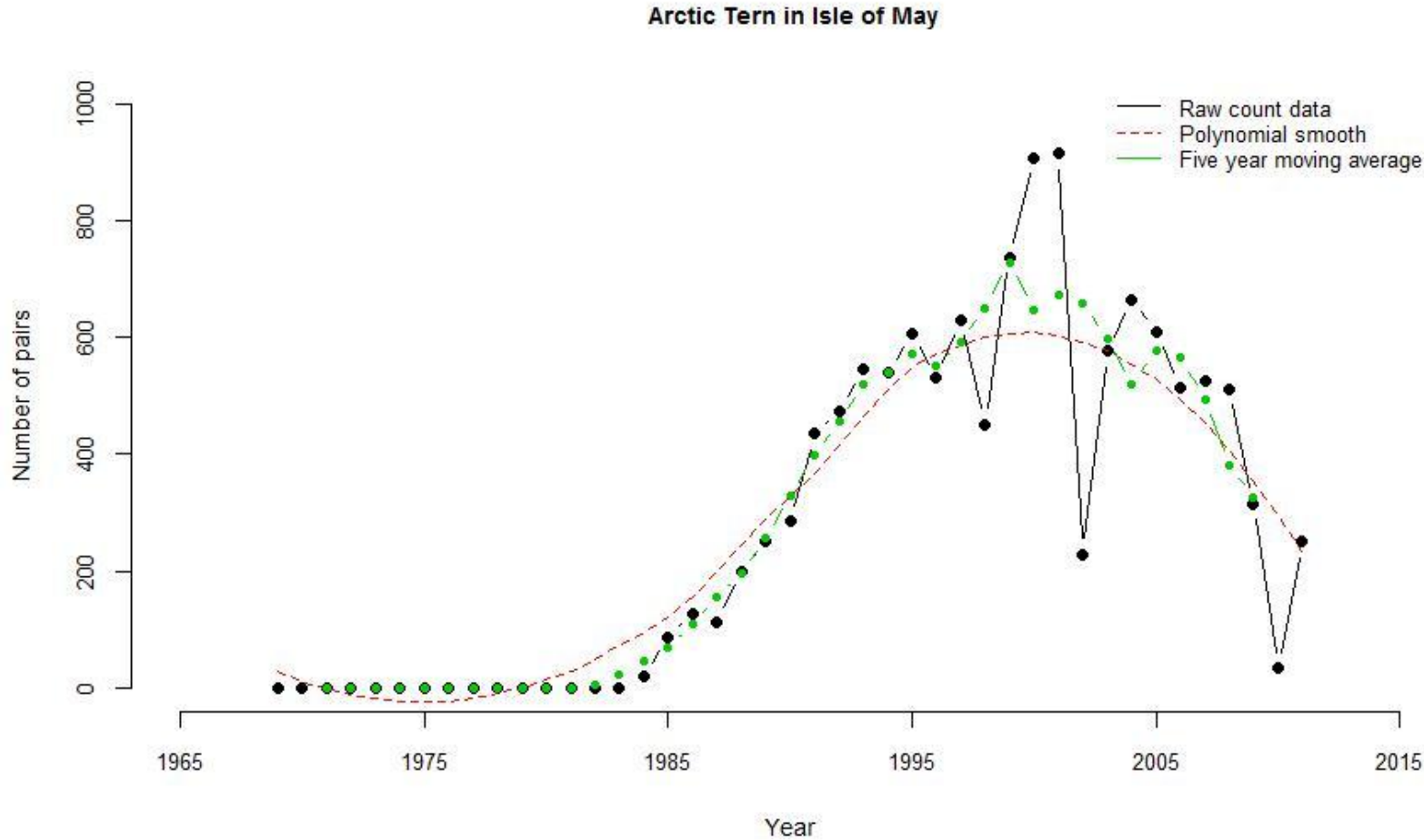
Common Tern in Long Craig



Common Tern in Forth Islands - Whole colony

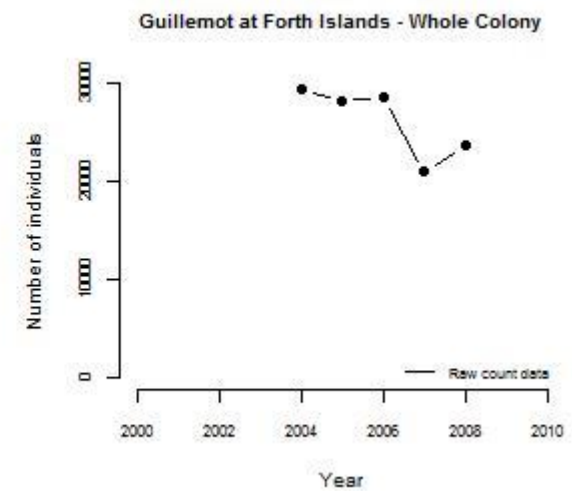
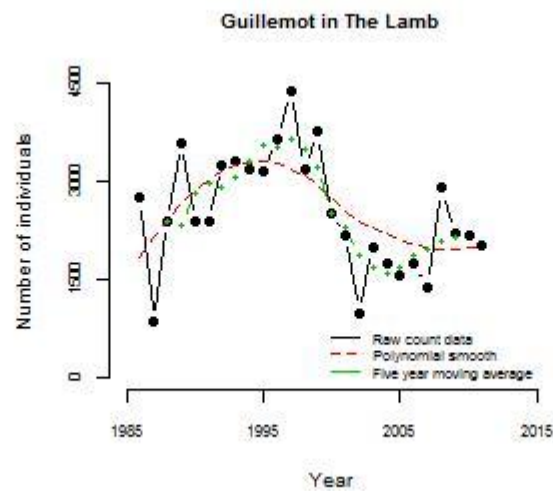
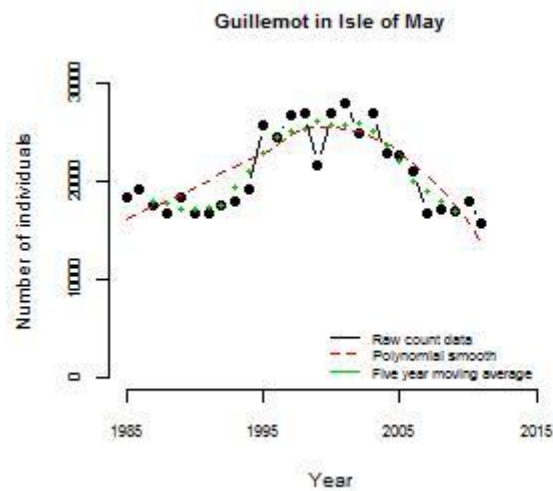
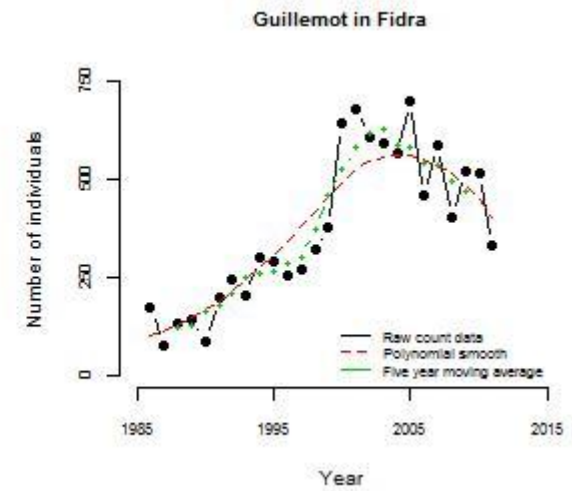
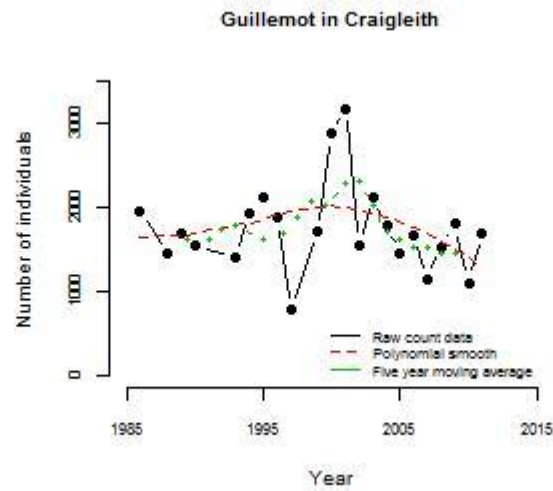
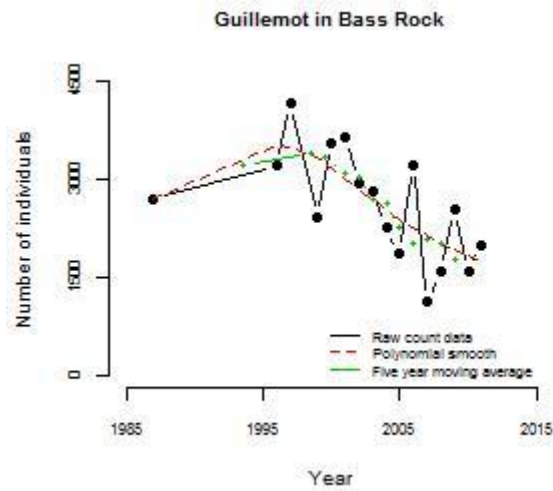


4.12.4.9 Arctic Tern

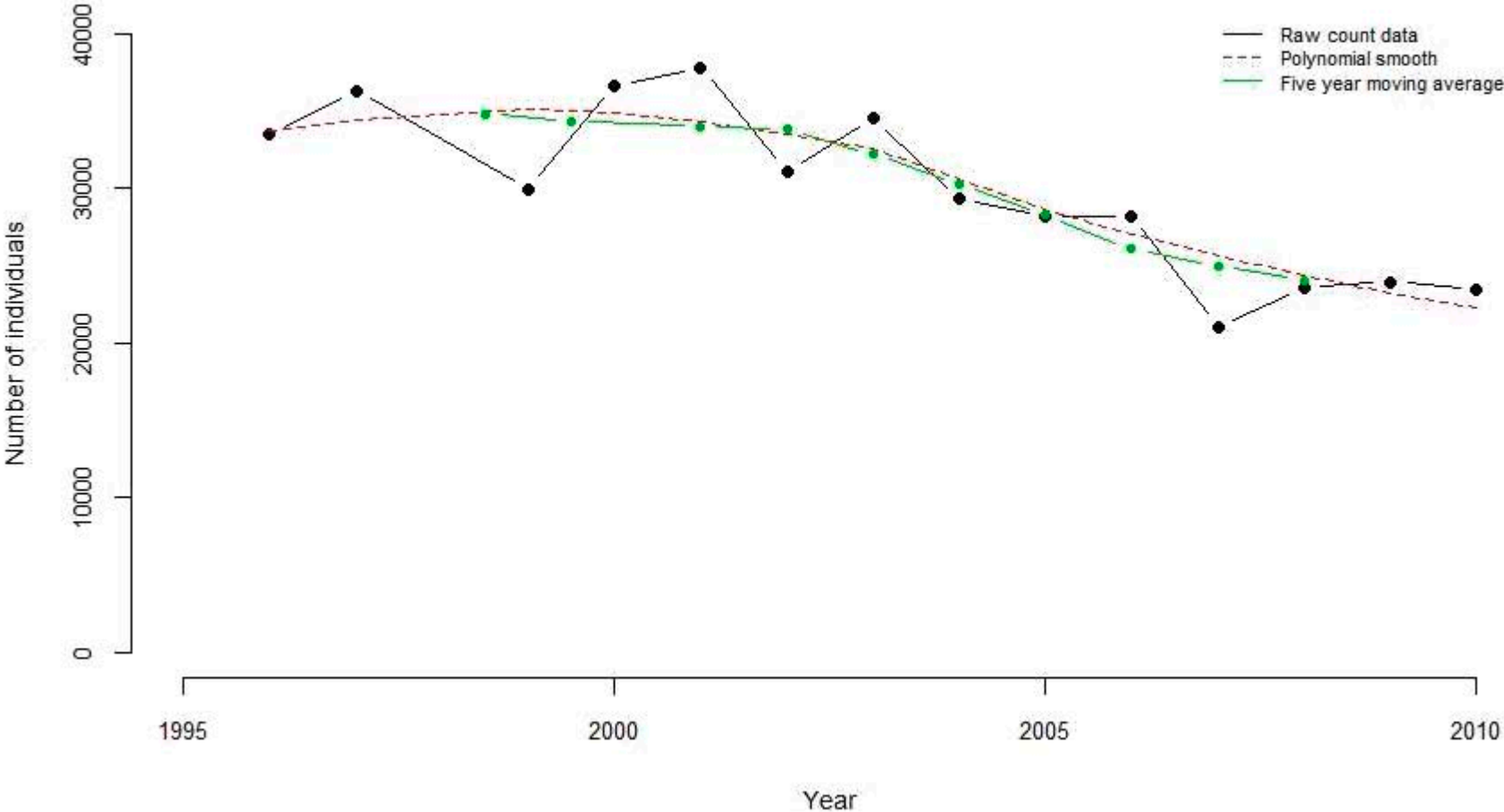


Counts for Inchmickery are not shown as all were 0.

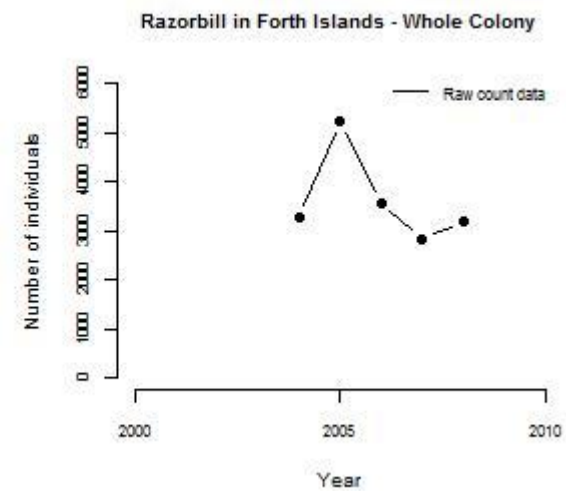
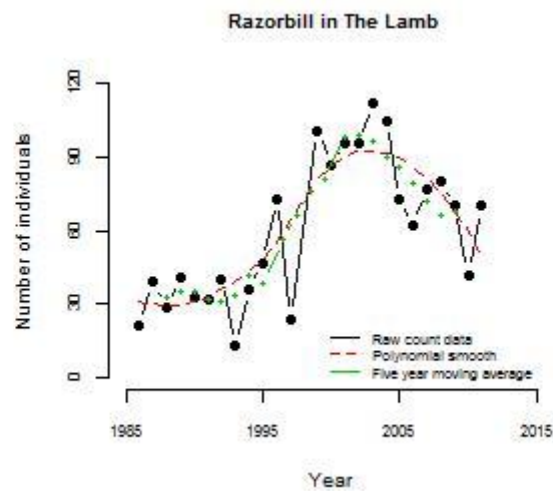
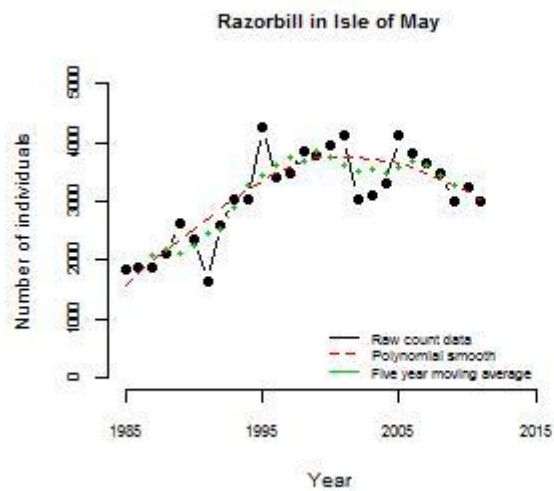
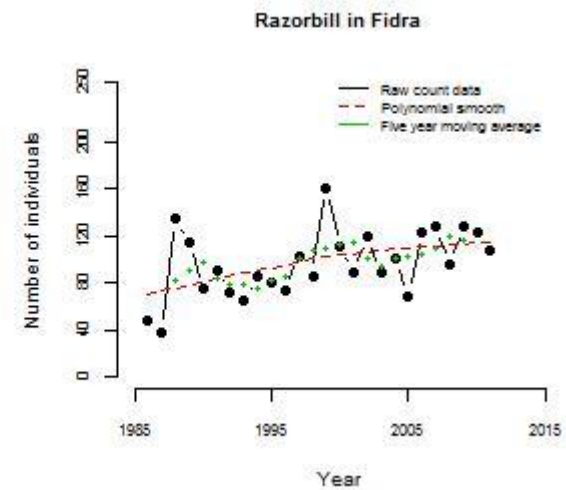
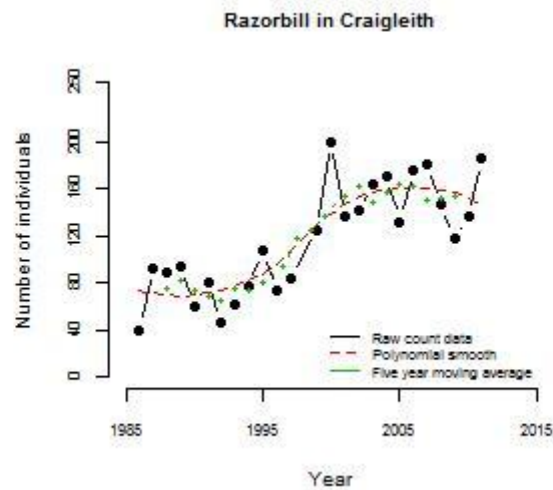
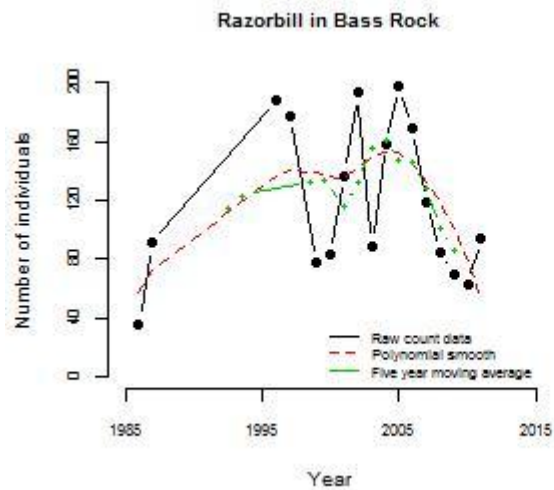
4.12.4.10 Guillemot



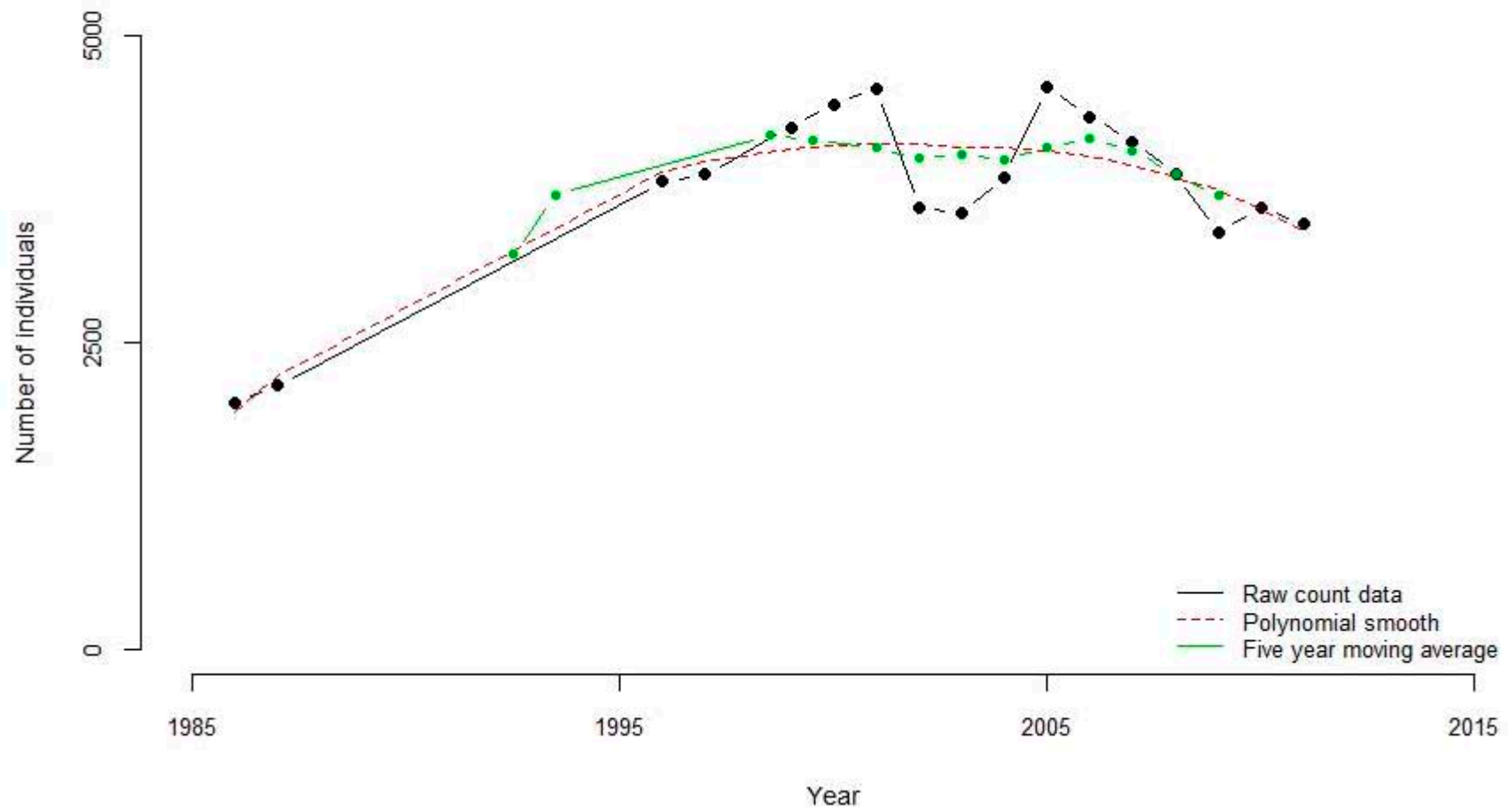
Guillemot in Forth Islands - Sum of Counts



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 | |

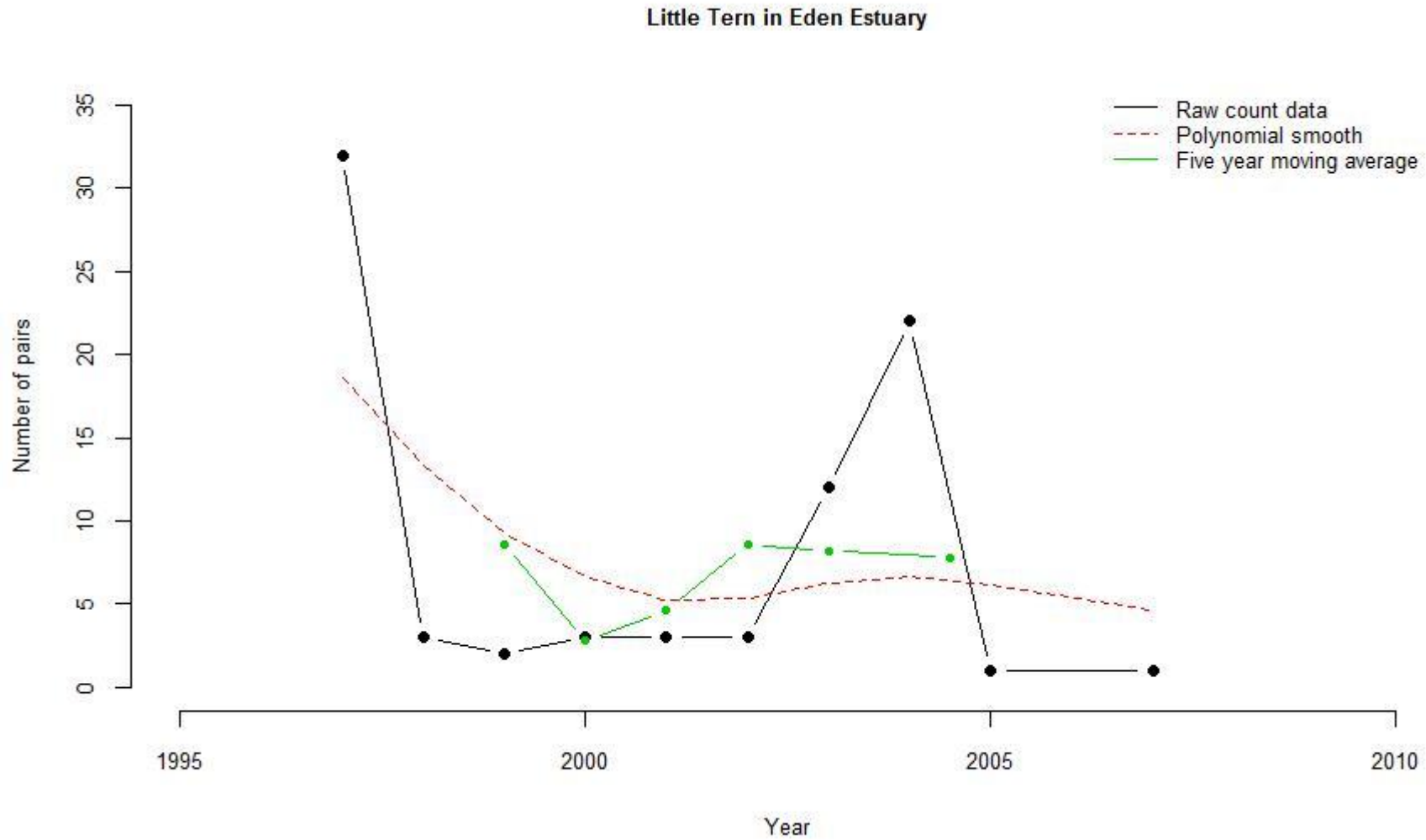
4.13.3 Firth of Tay and Eden Estuary SPA features summary

| 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 |

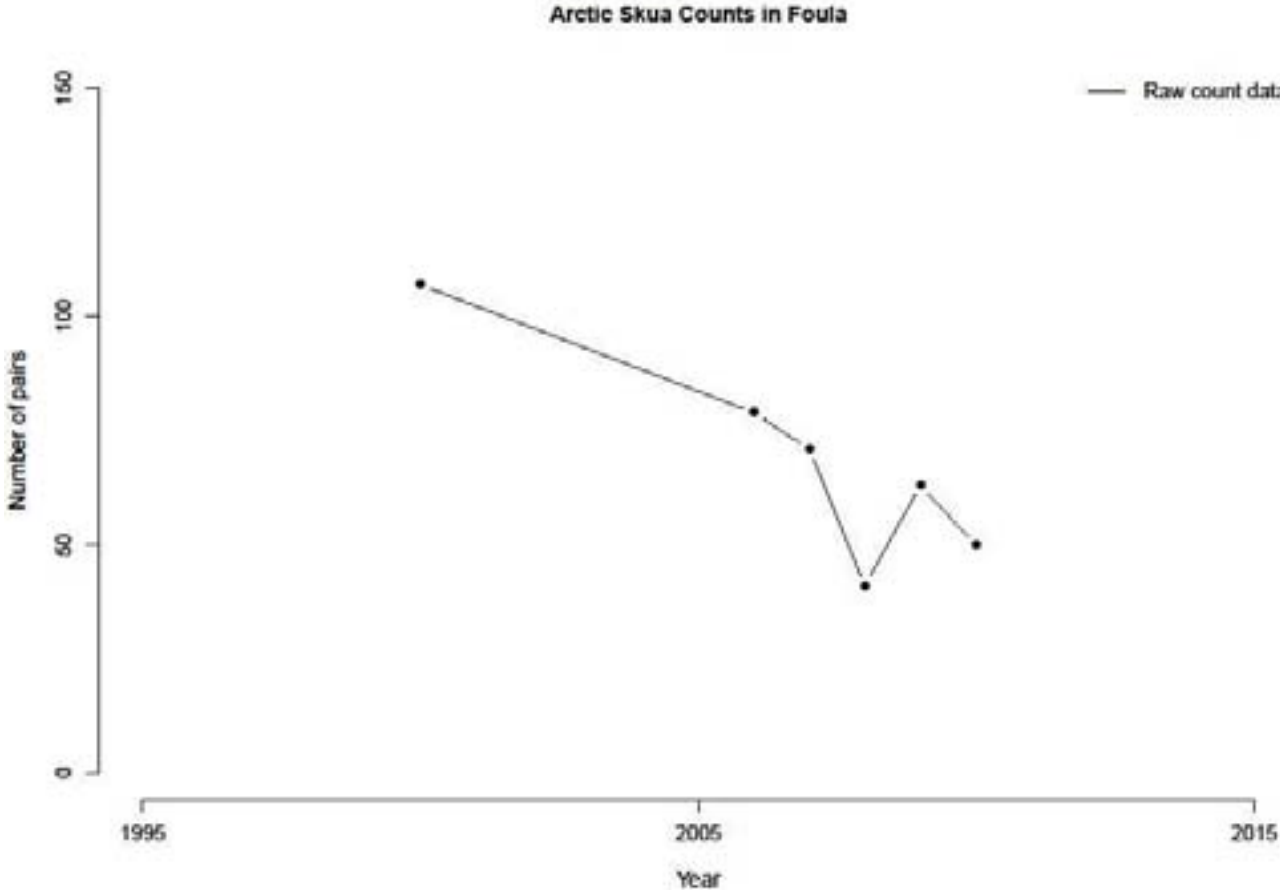
4.15.3.10 Atlantic Puffin

| Raw counts - burrows |
|----------------------|
| 2000 |
| 22500 |

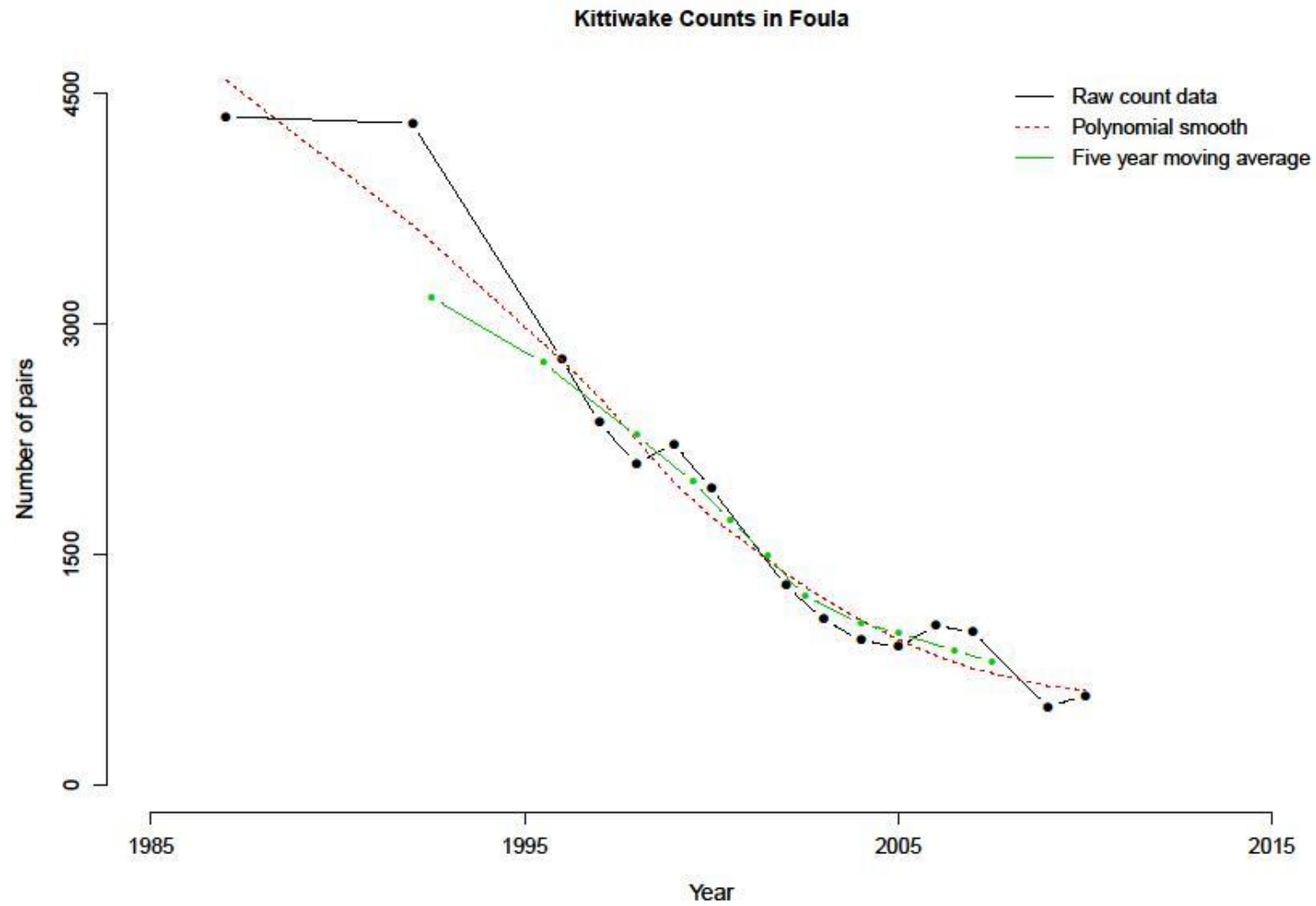
| Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | | Most recent count (burrows) | |
|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|------|-------|-----|----------|-----------------------------|-------|
| | | 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

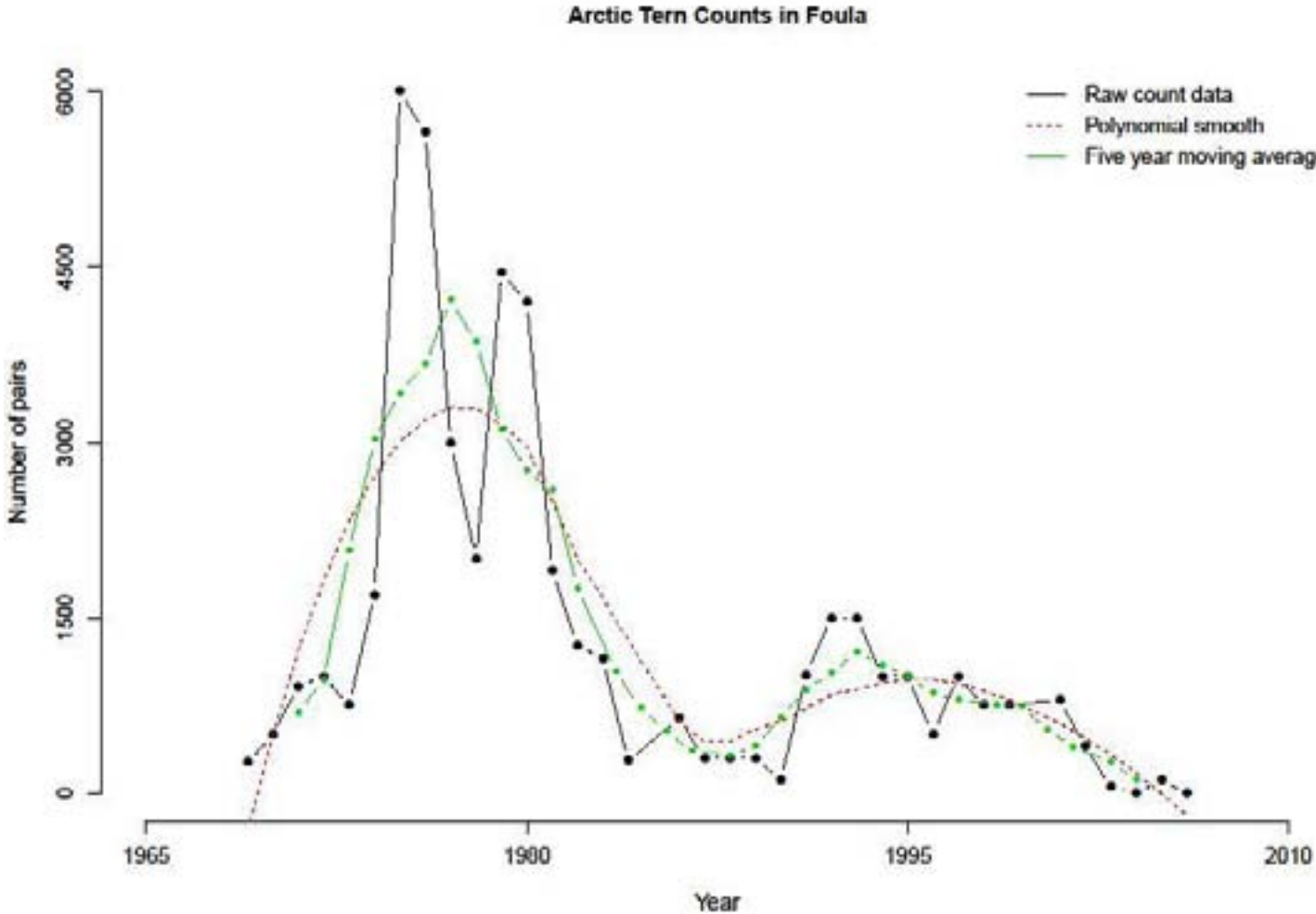
4.15.4.1 Arctic skua



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

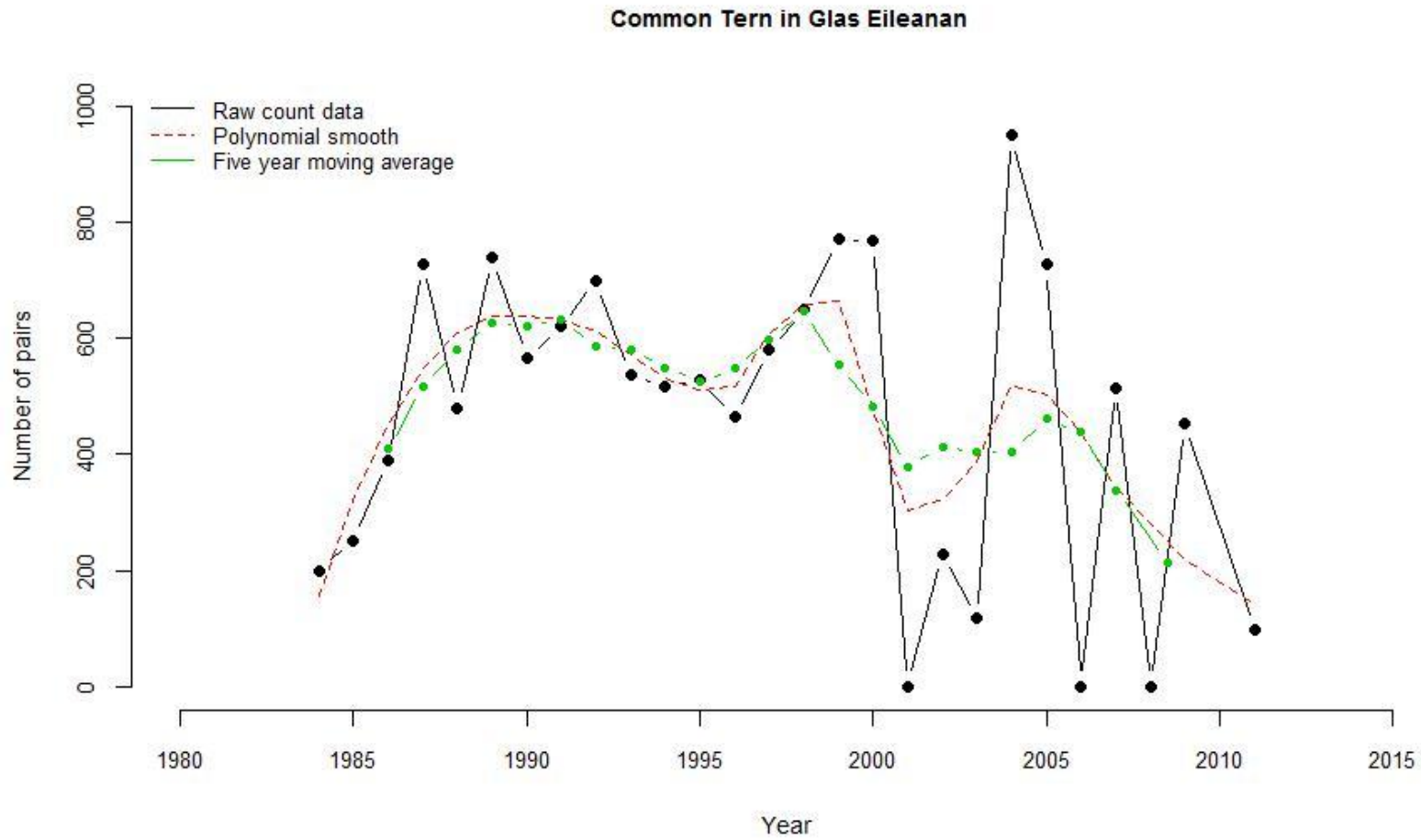
| Raw counts - pairs | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1984 | 1985 | 1986 | 1987 | 1988 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| 200 | 250 | 390 | 728 | 480 | 739 | 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 |

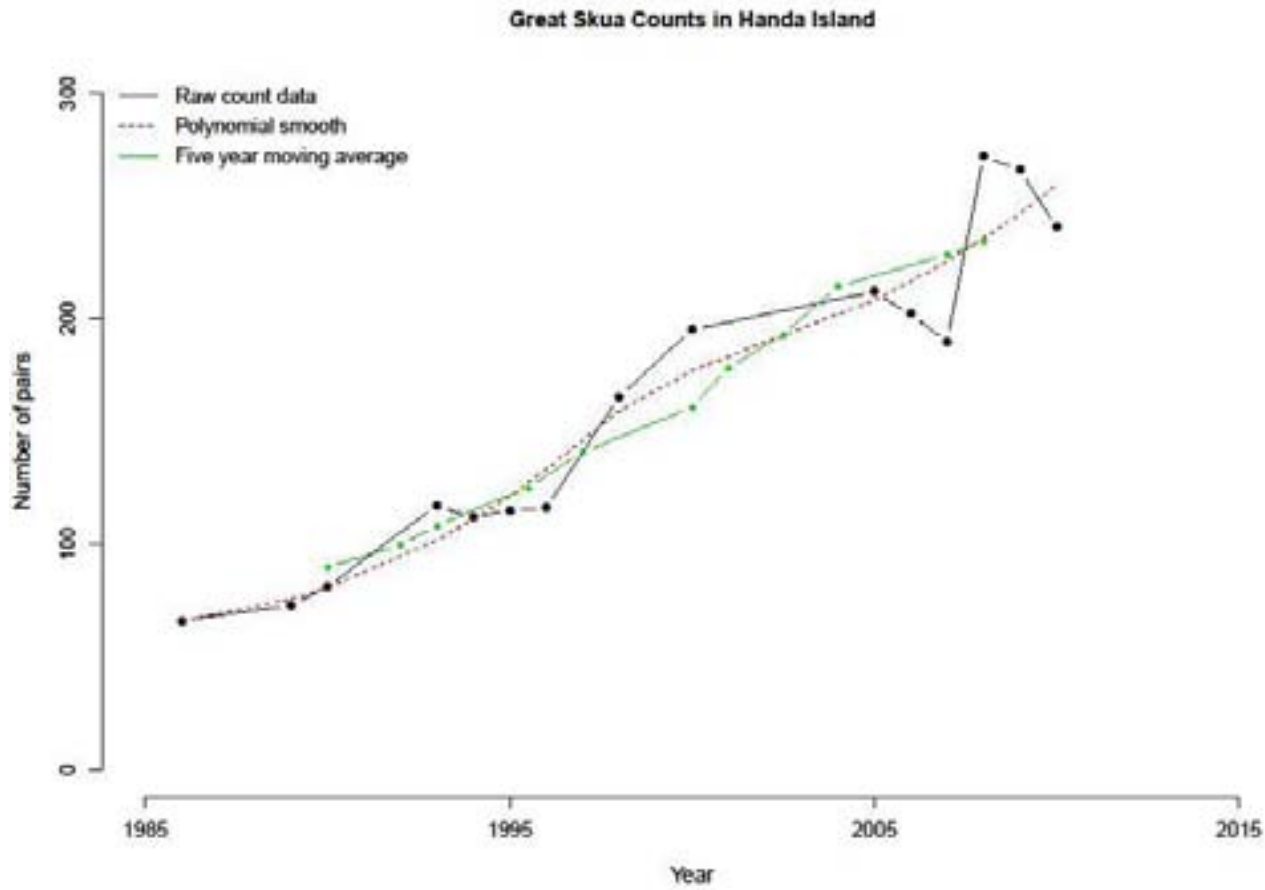
4.18.3.5 Razorbill

| 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

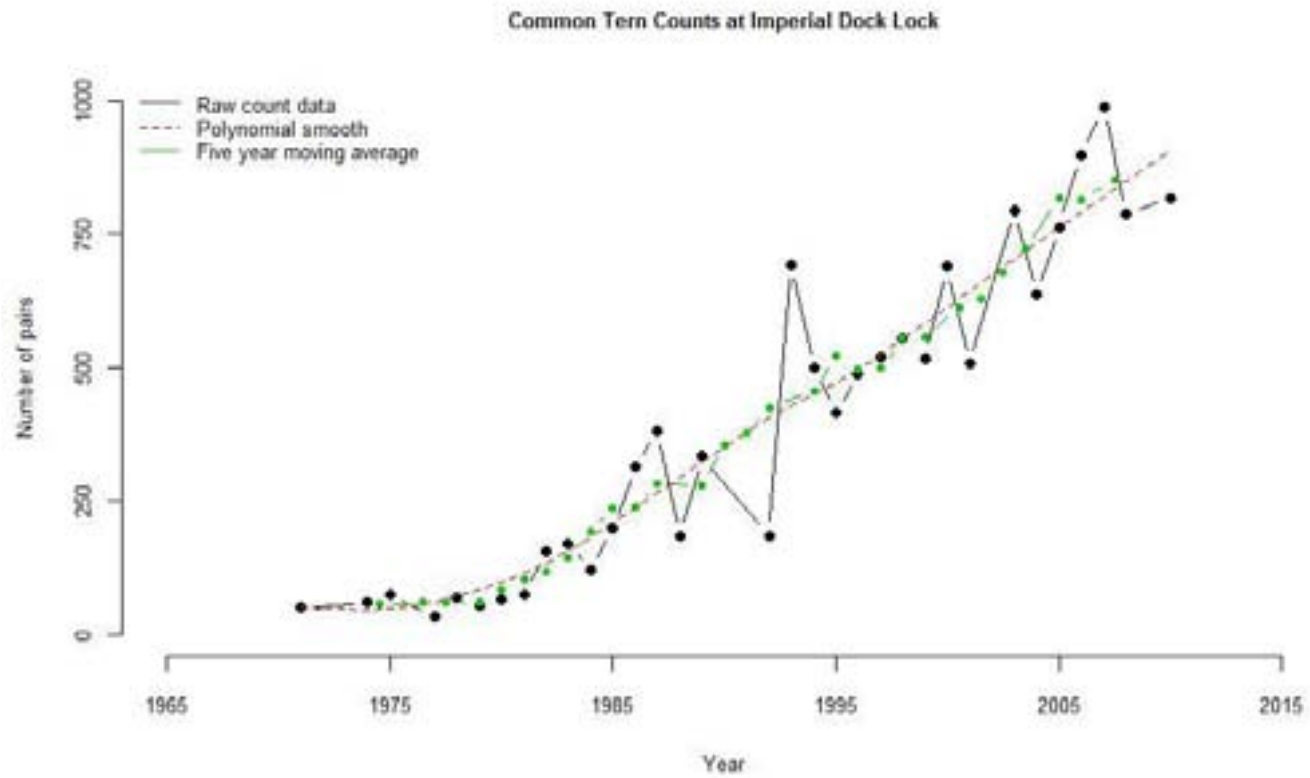
| Site | Raw counts - pairs | | | | | | | | | | | | | | | | |
|---------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1971 | 1974 | 1975 | 1977 | 1978 | 1979 | 1980 | 1981 | 1982 | 1983 | 1984 | 1985 | 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

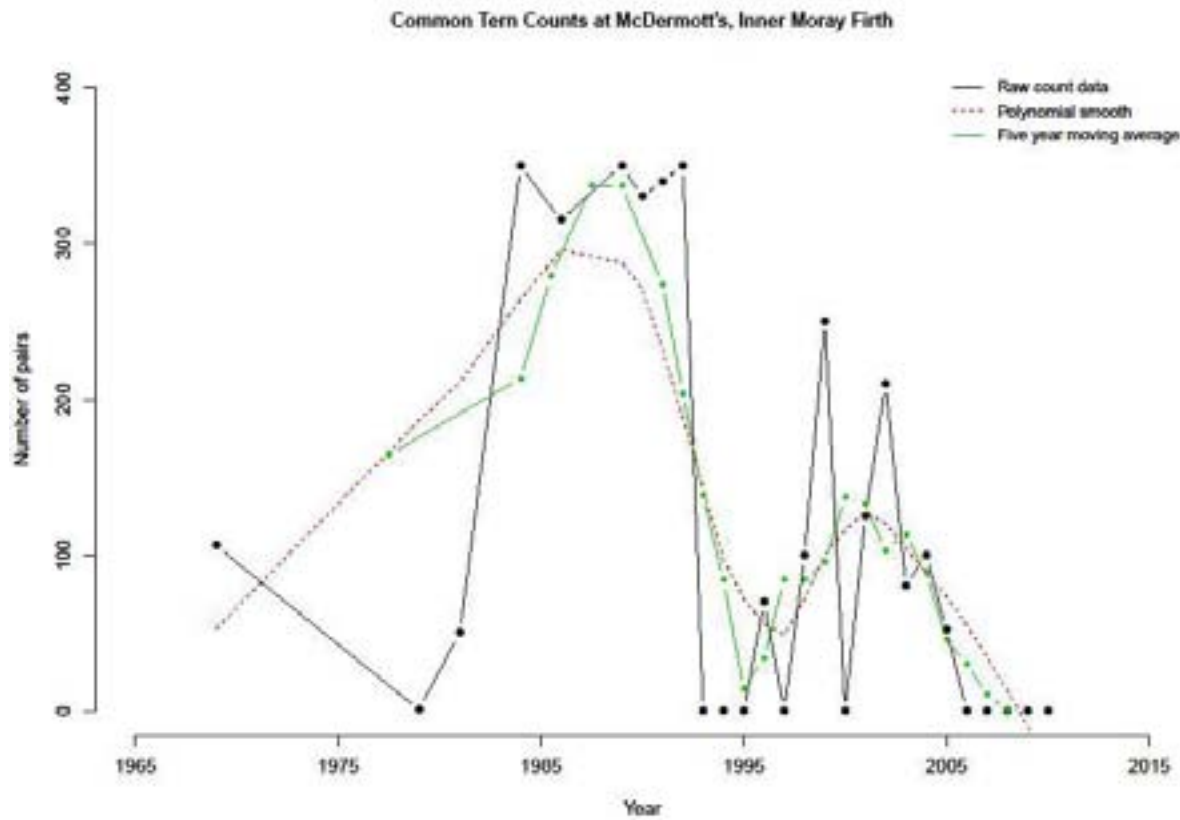
| Site | Raw counts - pairs | | | | | | | | | | | | | |
|-------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1969 | 1979 | 1981 | 1984 | 1986 | 1989 | 1990 | 1991 | 1992 | 1993 | 1994 | 1995 | 1996 | 1997 |
| McDermott's | 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

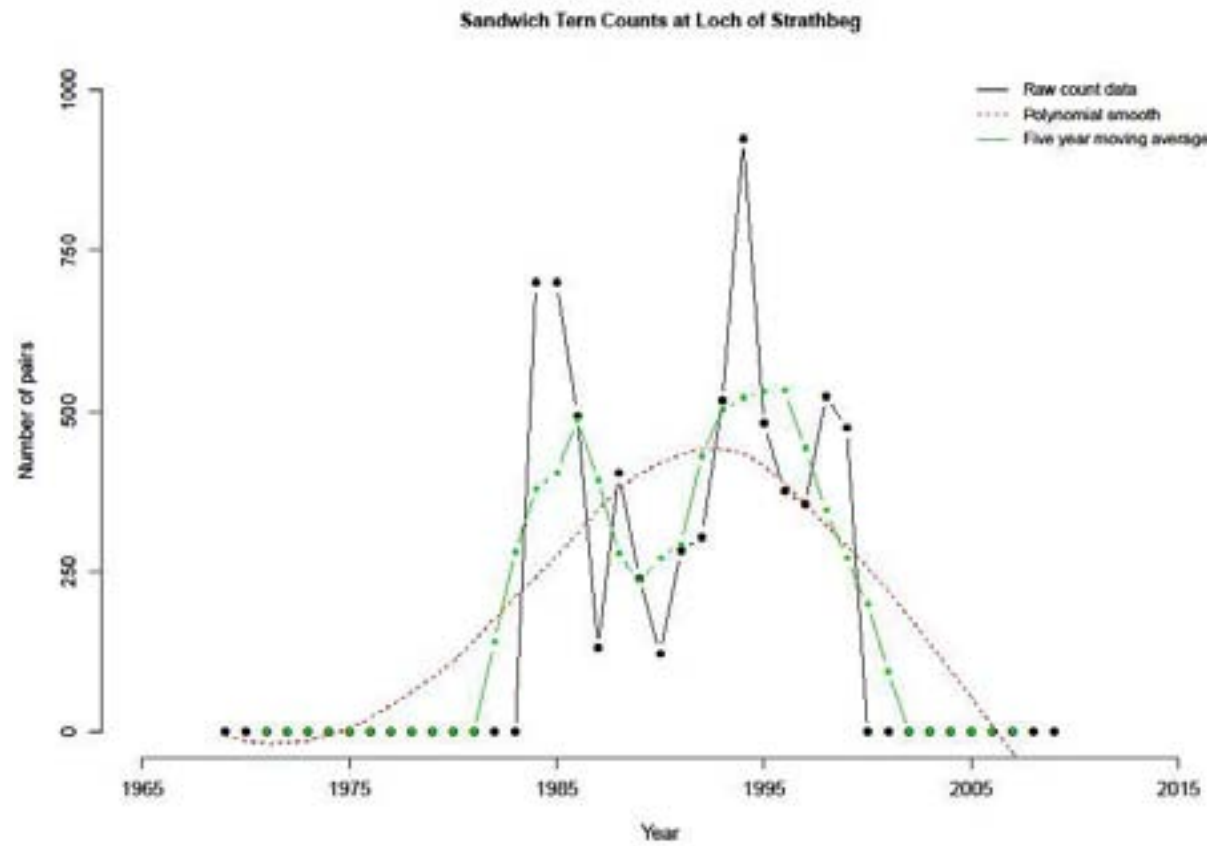
| Raw counts - pairs | | | | | | | | | | | | | | | | | | | | |
|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 1979 | 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

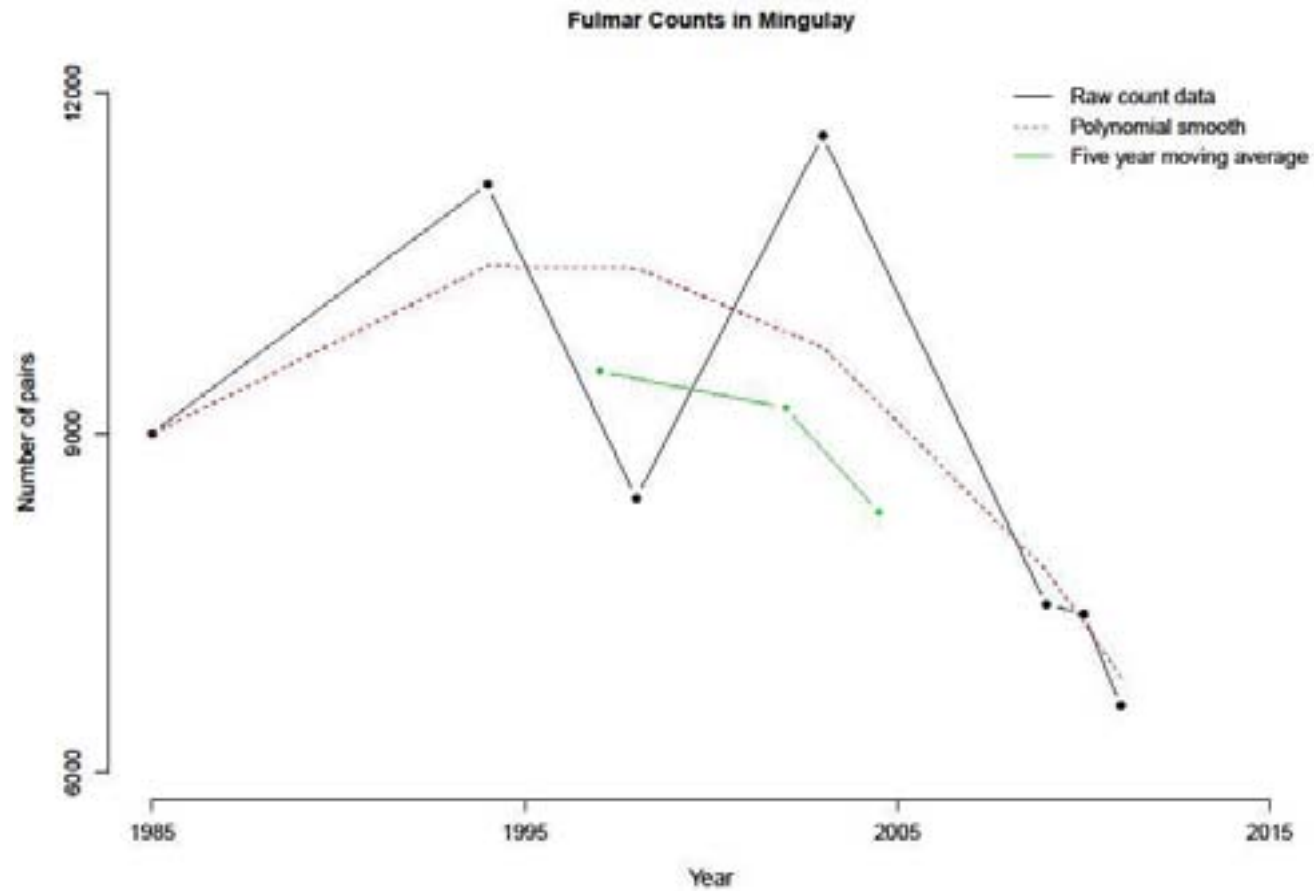
| Site | Raw counts - individuals | | | | |
|-----------------------|--------------------------|------|------|------|------|
| | 1998 | 2003 | 2009 | 2010 | 2011 |
| Berneray1 | 1979 | 5036 | 2498 | | |
| Mingulay1 | 3827* | | 628 | 85 | 971 |
| Total (sum of counts) | 5806 | | 3126 | | |

*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

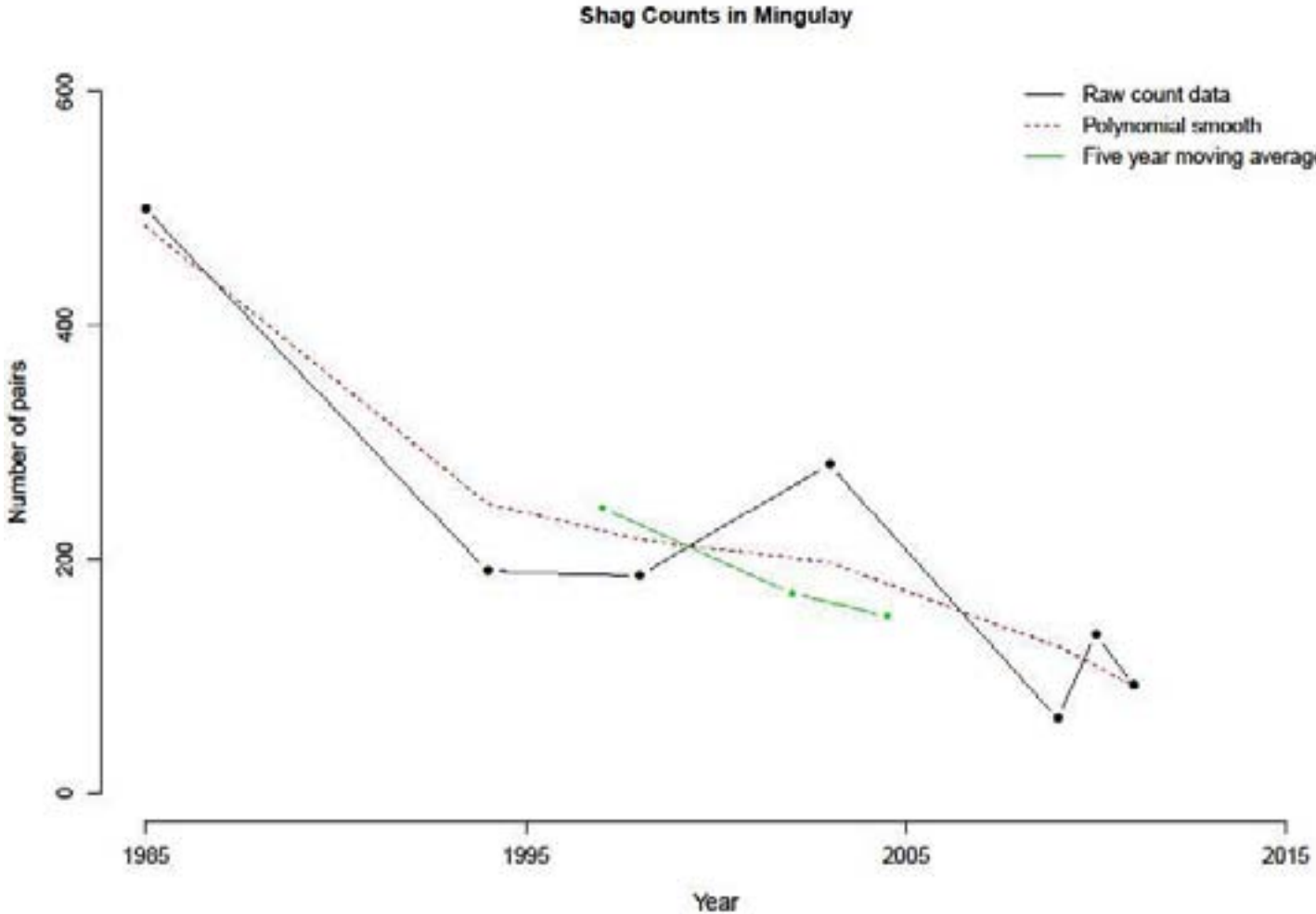
| Site | Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | | Most recent count (individuals) | |
|-----------------------|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|------|-------|-----|----------|---------------------------------|-------|
| | | | 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

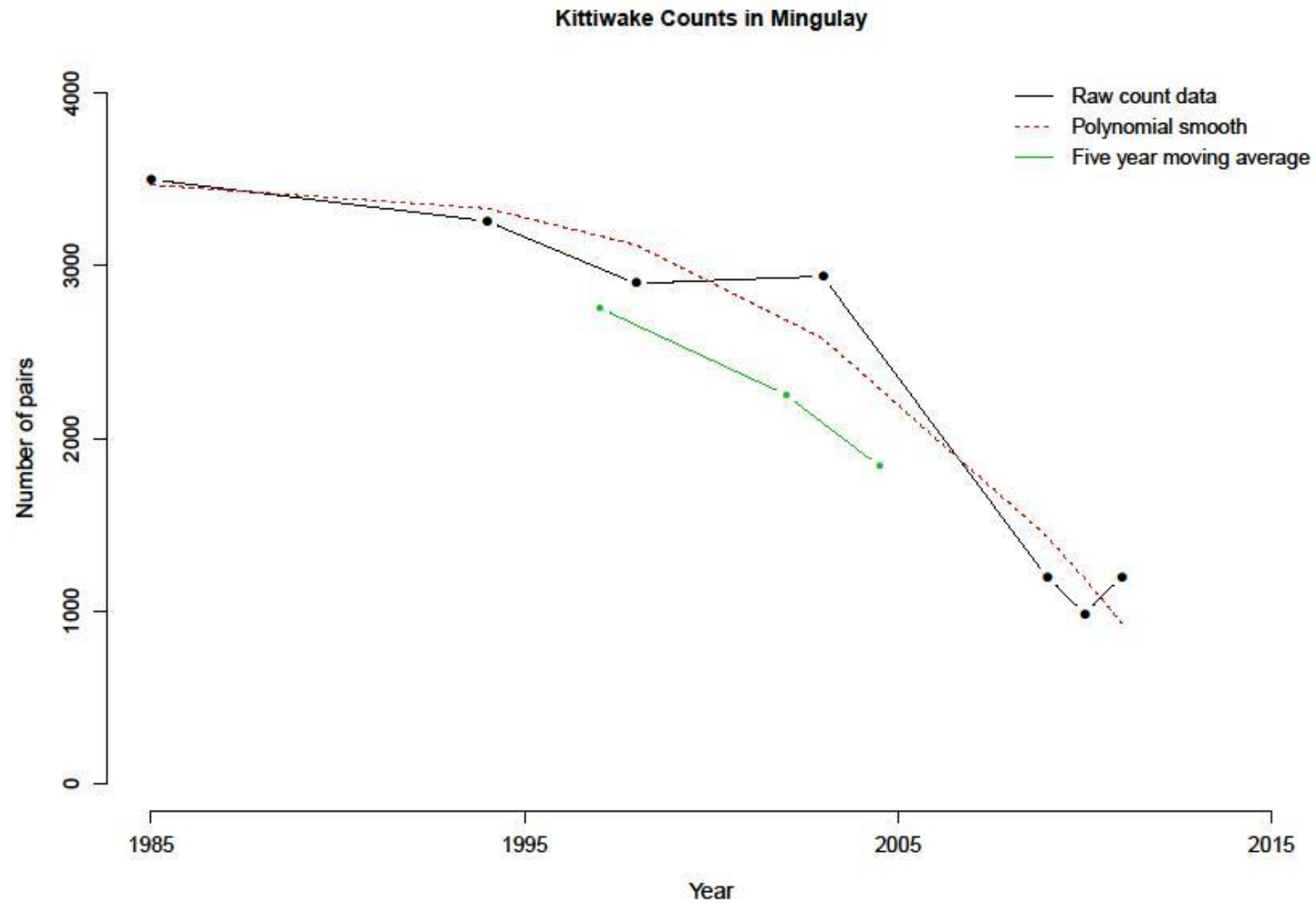
4.25.4.1 Fulmar



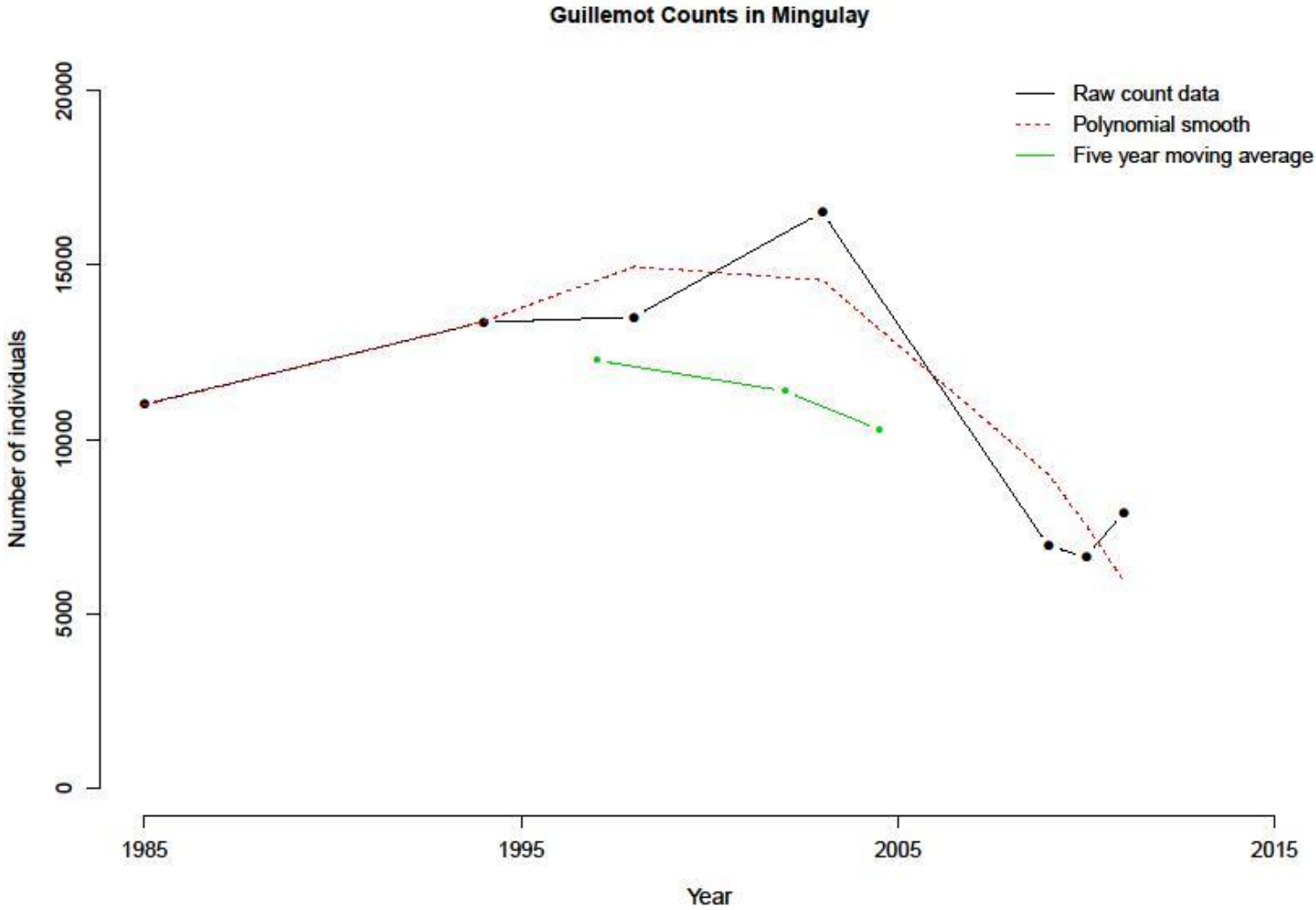
4.25.4.2 Shag



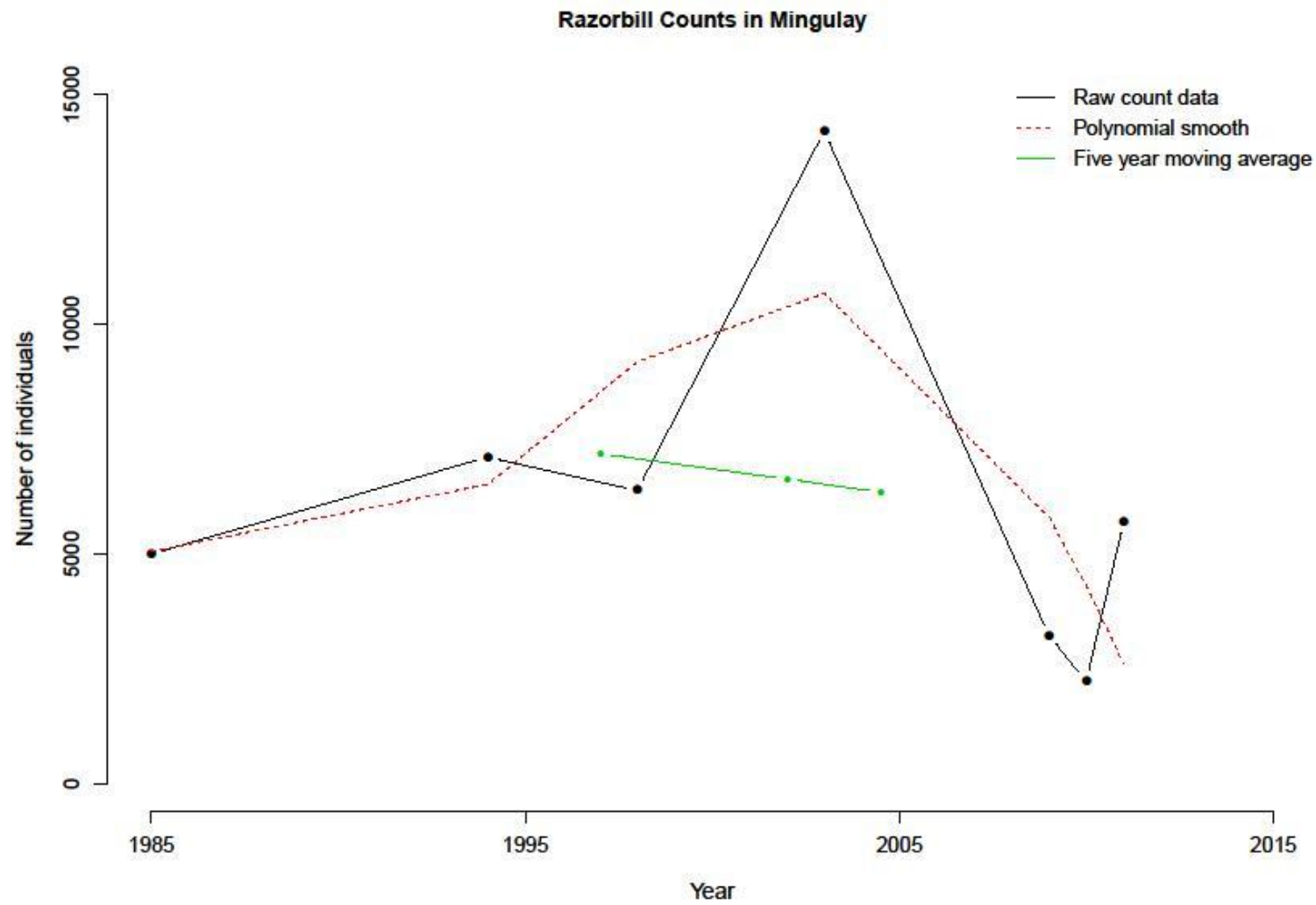
4.25.4.3 Kittiwake



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 |

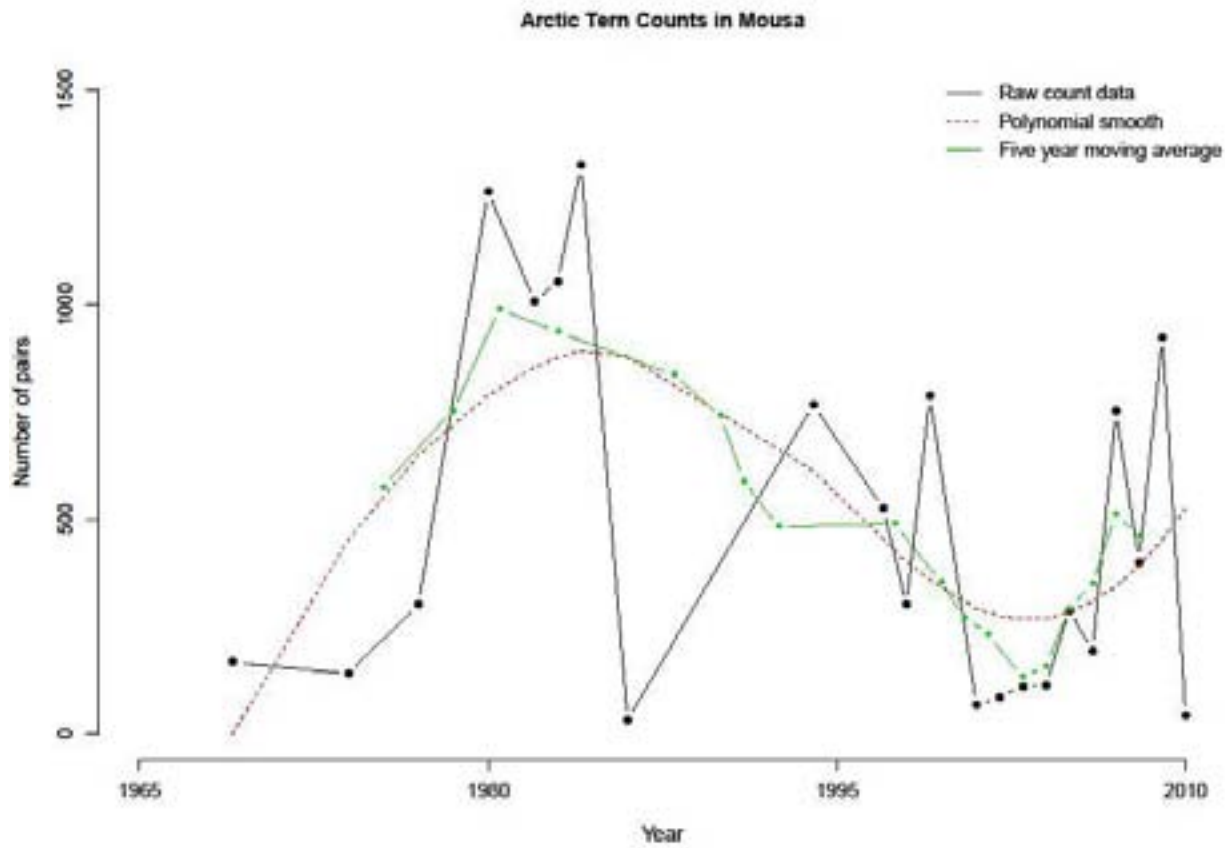
4.27.3.2 Arctic tern

| 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

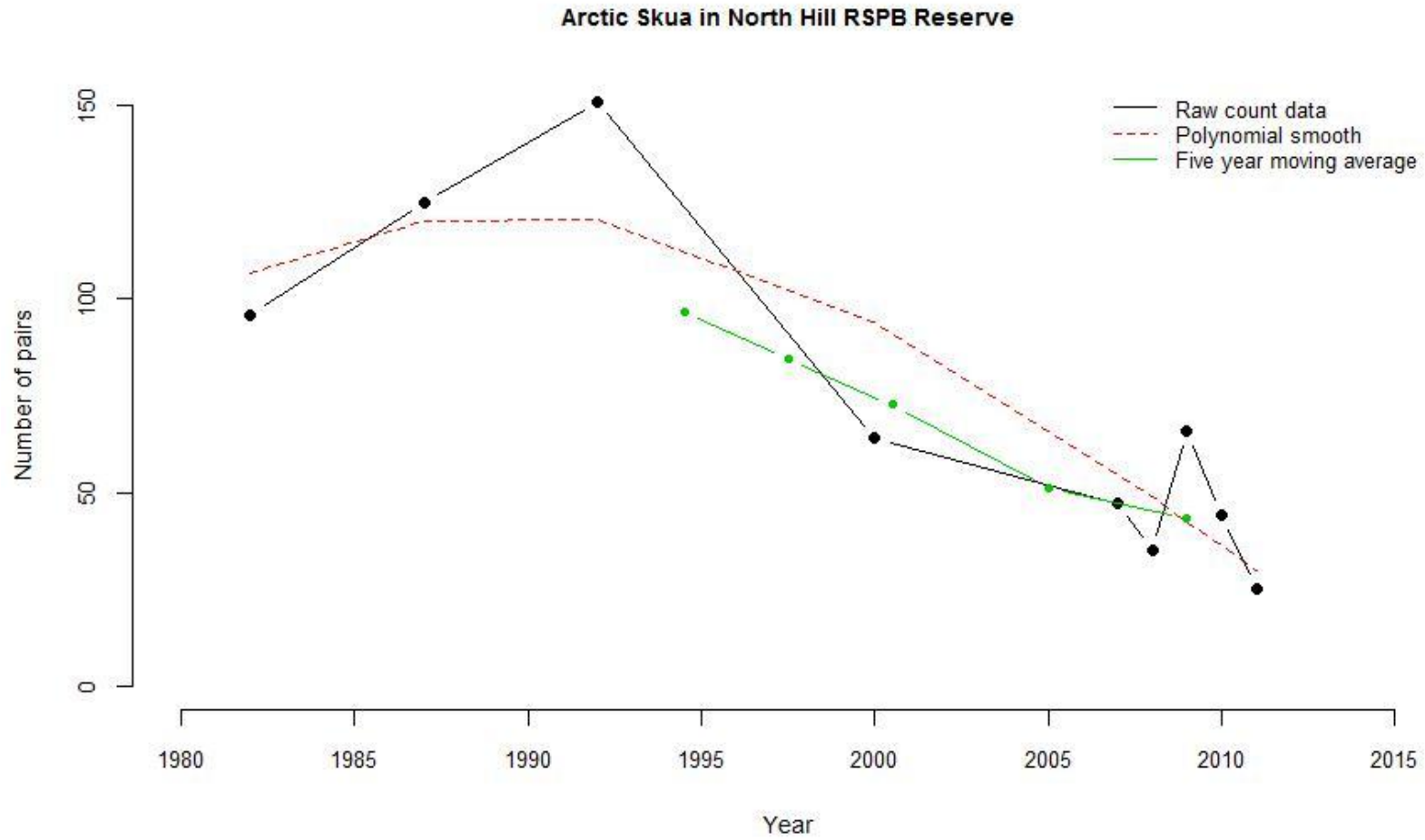
| Site | Raw counts - pairs | | | | | | | | | | | | | | | | | | |
|--------------------------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1969 | 1973 | 1974 | 1976 | 1978 | 1979 | 1980 | 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 |

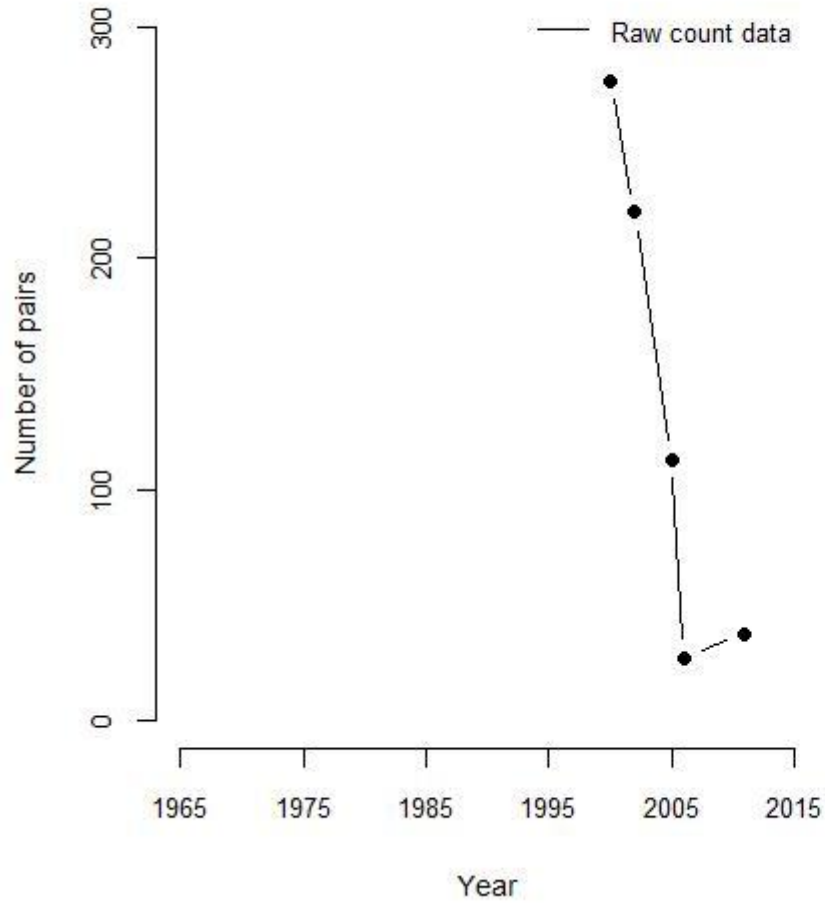
4.34.4 Trend summary for species with sufficient data at Papa Westray SPA

4.34.4.1 Arctic Skua

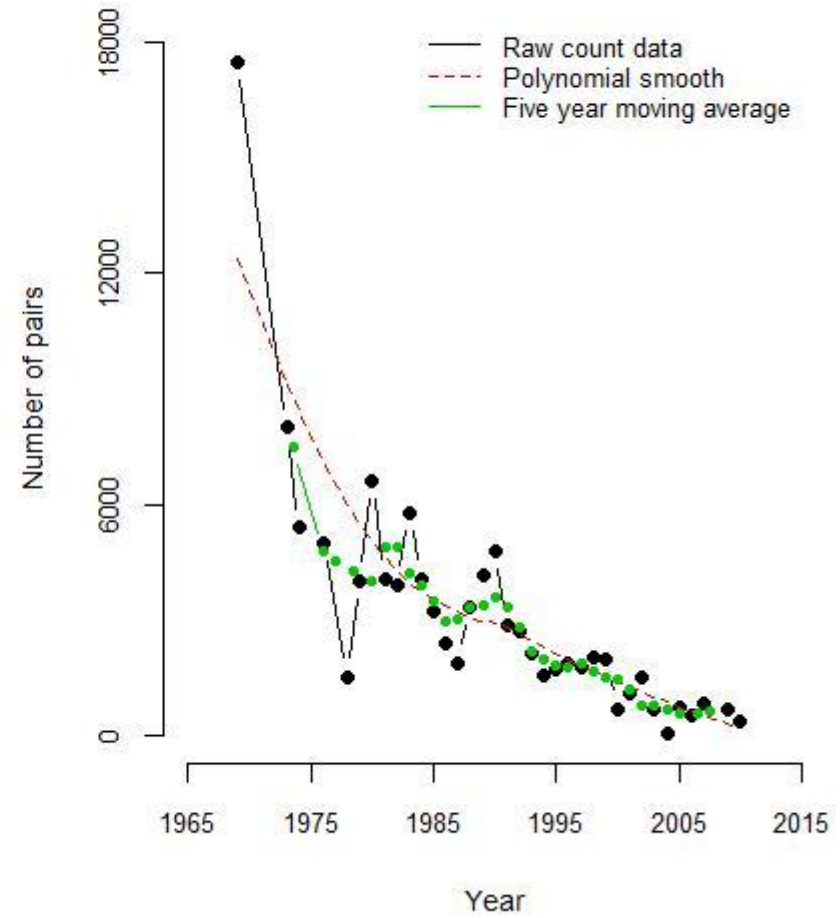


4.34.4.2 Arctic Tern

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 |
|-----------------|-------------------|
| | 1986 |
| 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 |

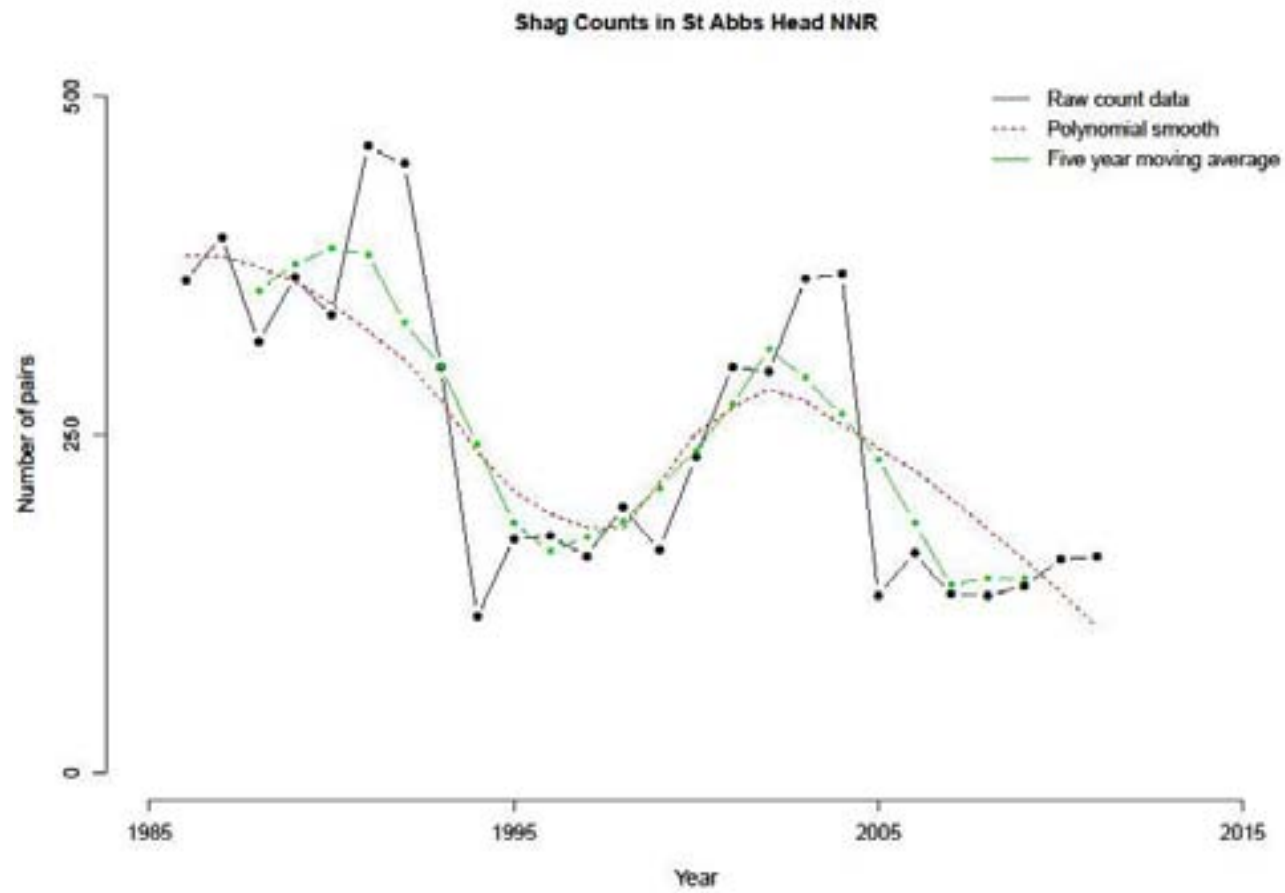
4.42.3.5 Razorbill

| 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 |

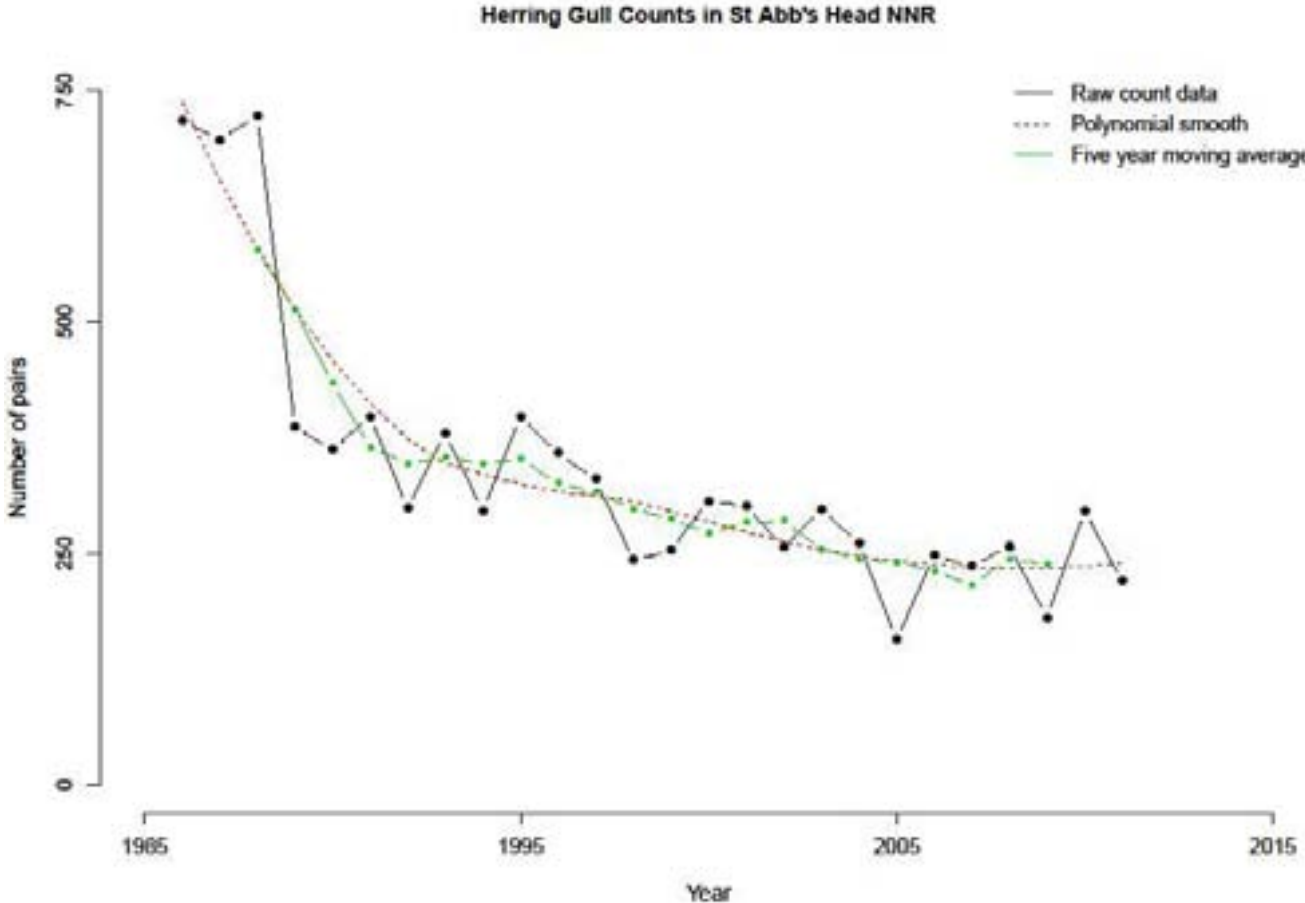
| Site | Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | Most recent count (individuals) | | |
|-------------------------------|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|------|-------|-----|---------------------------------|------|-------|
| | | | 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

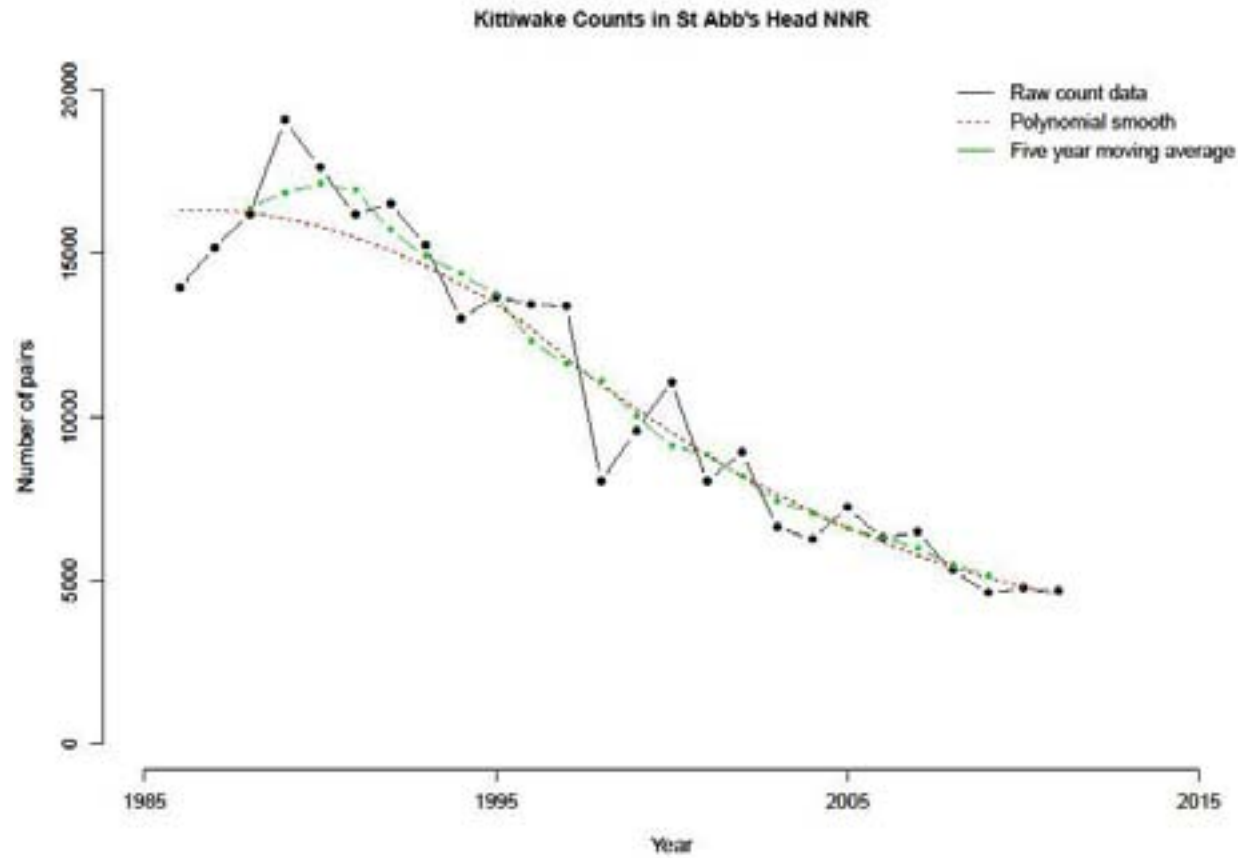
4.42.4.1 Shag



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 |

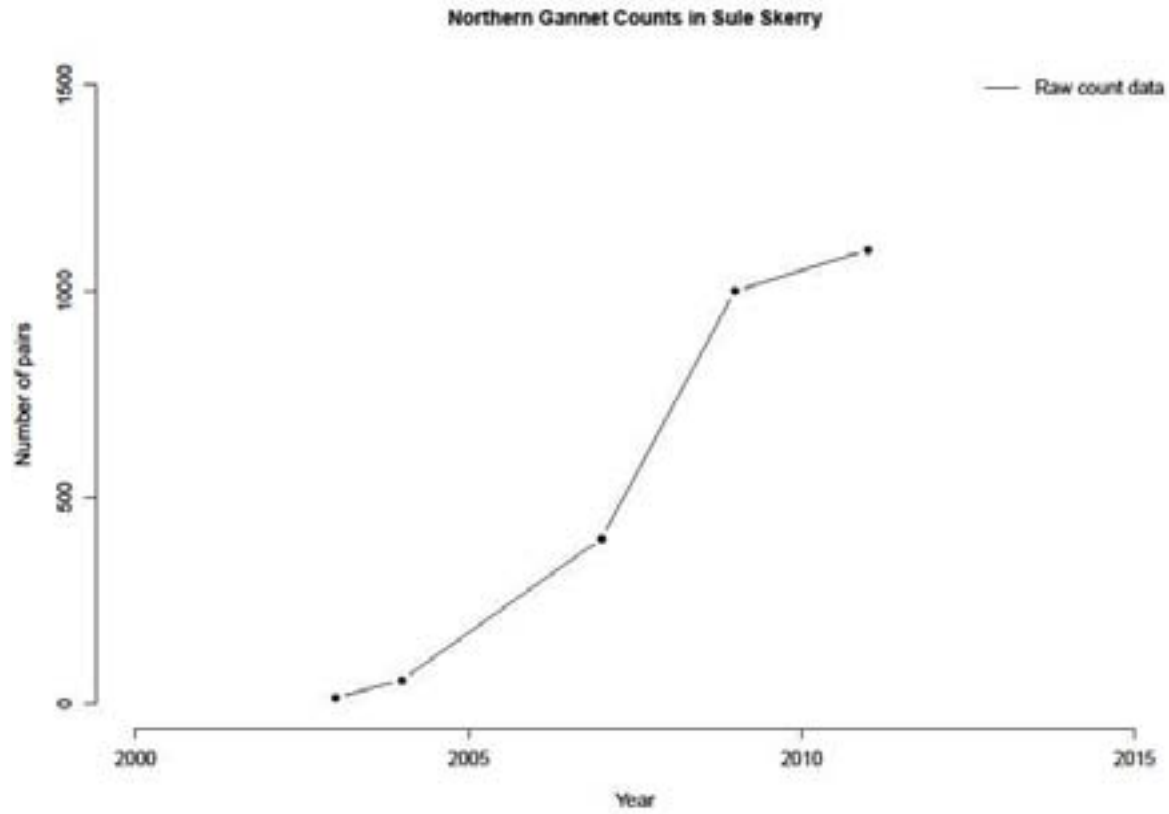
4.44.3.5 Atlantic Puffin

| 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 |

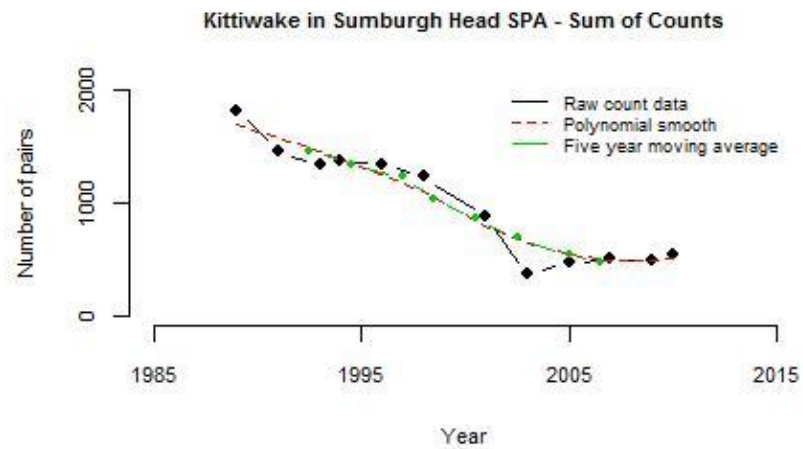
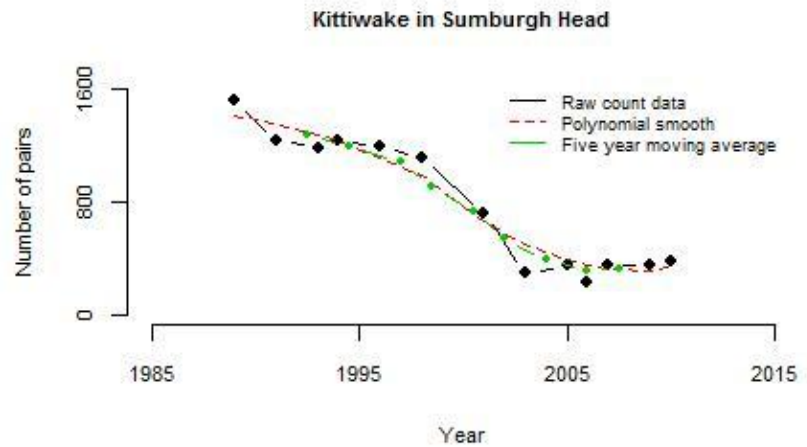
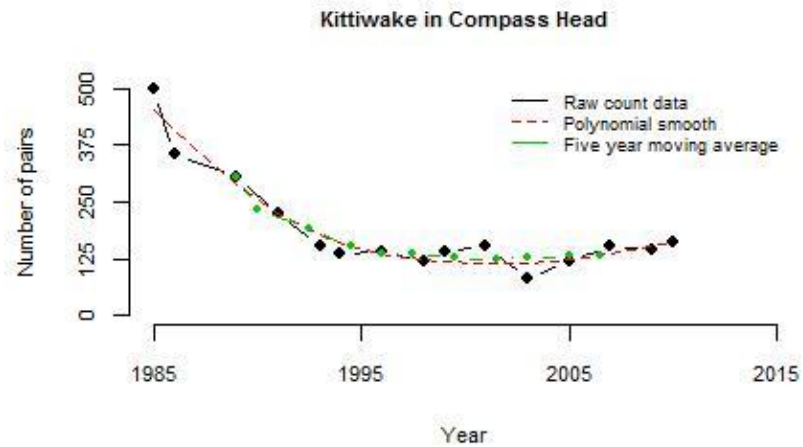
4.45.3.3 Guillemot

| 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

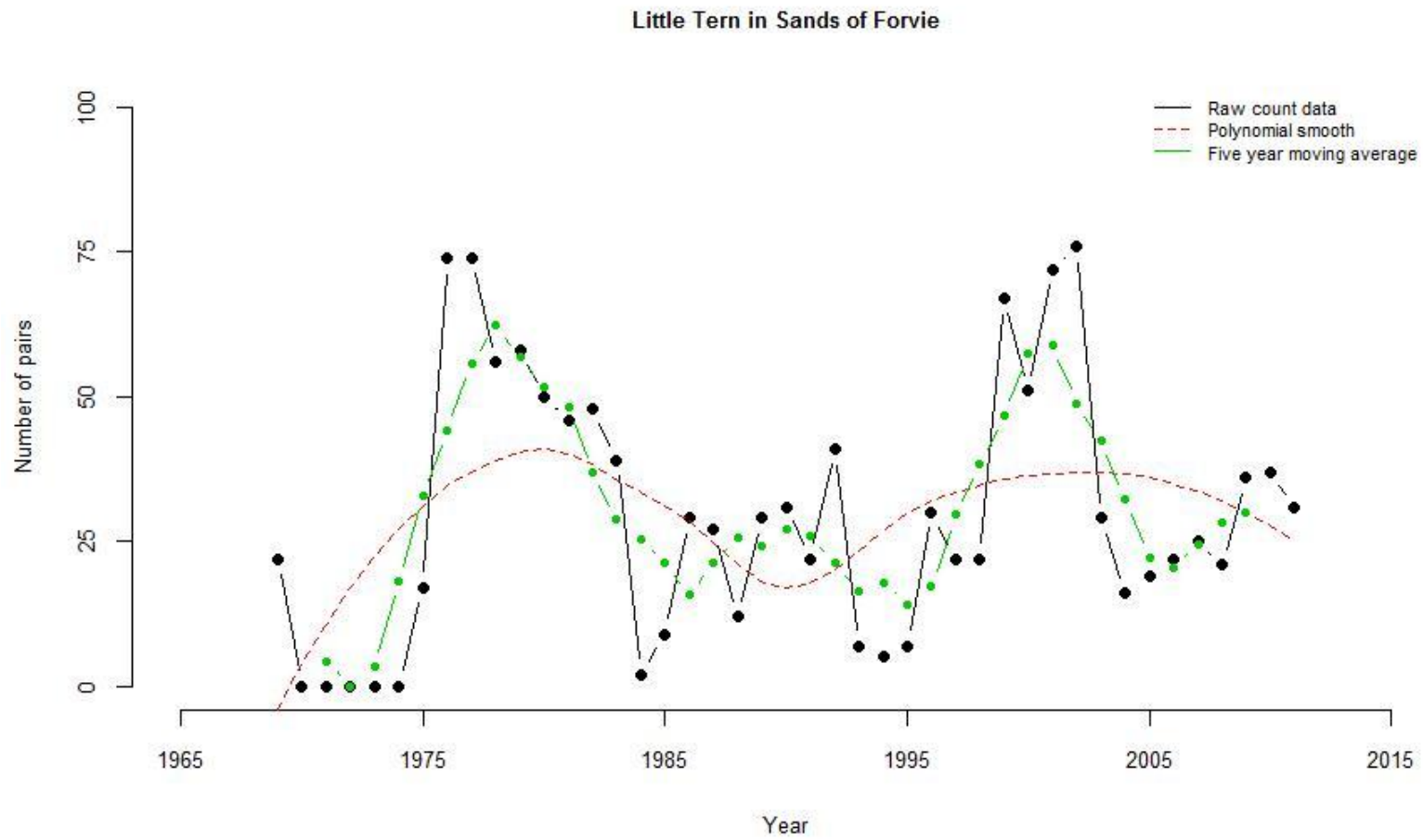
| Site | Raw counts - pairs | | | | | | | | | | | | | | | | | | |
|-----------------|--------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | 1969 | 1970 | 1971 | 1972 | 1973 | 1974 | 1975 | 1976 | 1977 | 1978 | 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 |

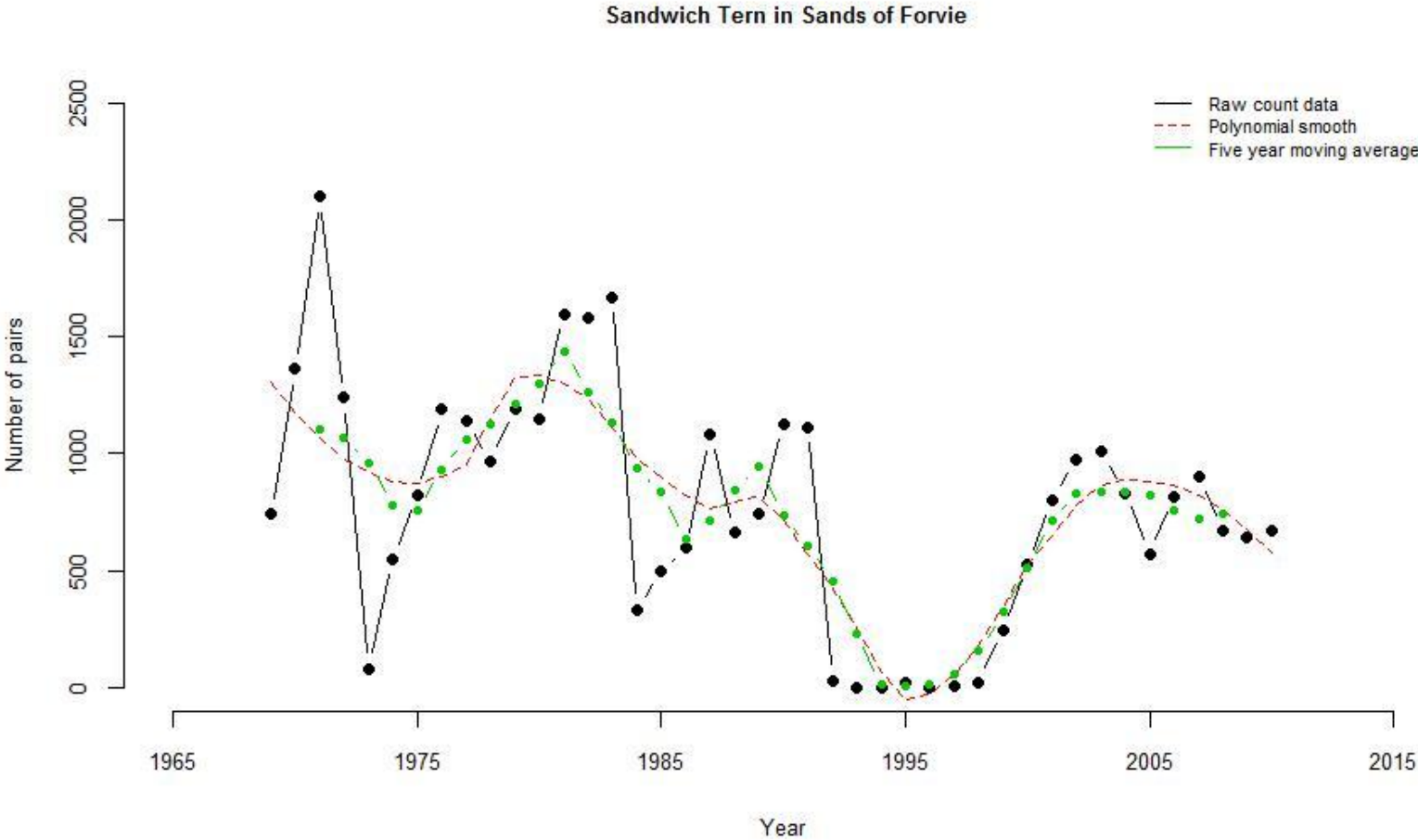
| Site | Year of first available count | Years of count data available | N year mean | | | | | Data for and since Seabird 2000 | | | | | Most recent count (pairs) | |
|-----------------|-------------------------------|-------------------------------|-------------|-------|-----|---|----------|---------------------------------|------|-------|-----|----------|---------------------------|-------|
| | | | 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

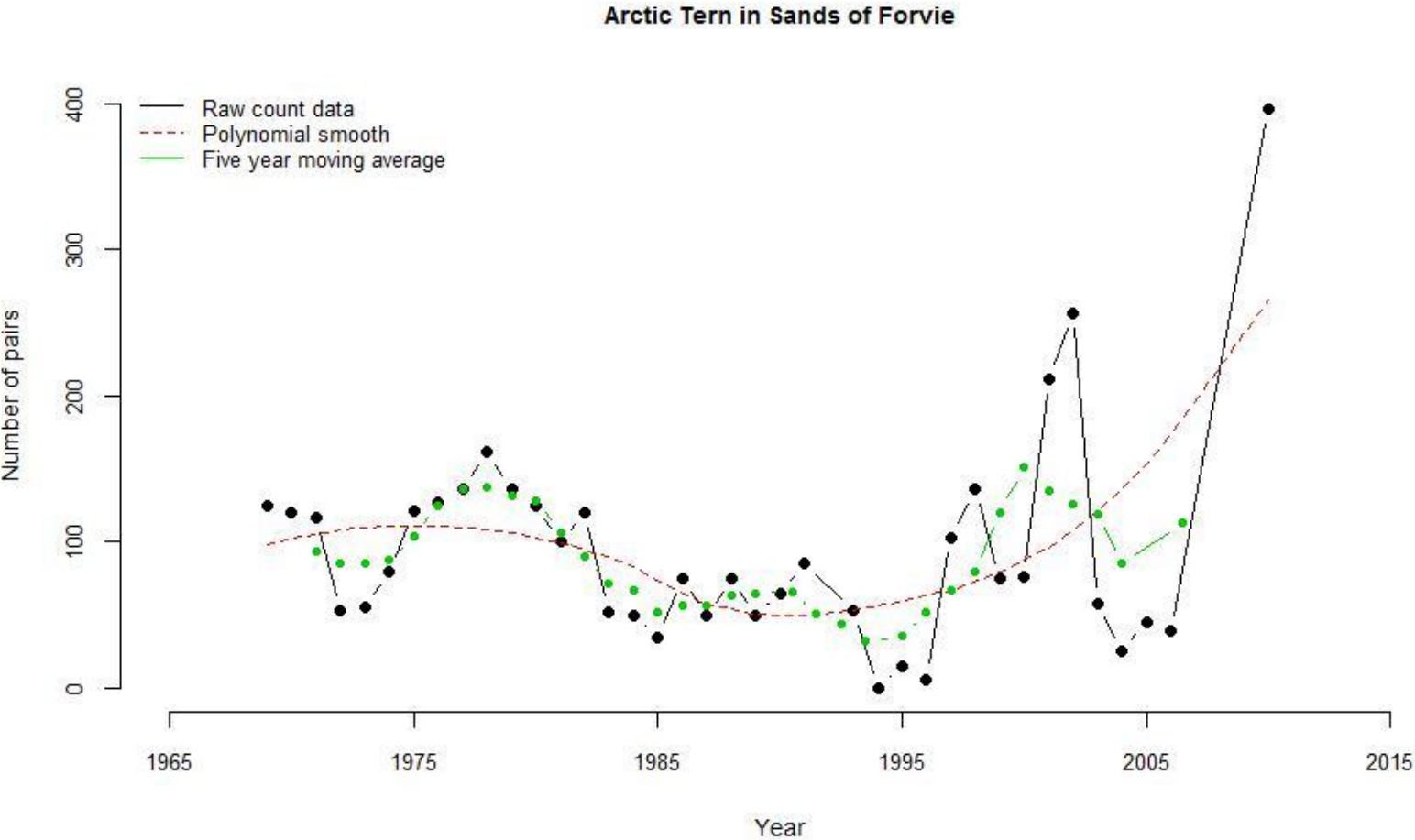
4.49.4.1 Little Tern



4.49.4.2 Sandwich Tern



4.49.4.3 Arctic tern



5 References

Stroud, DA, Chambers, D, Cook, S, Buxton, N, Fraser, B, Clement, P, Lewis, P, McLean, I, Baker, H & Whitehead, S (eds). 2001. *The UK SPA network: its scope and content*. JNCC, Peterborough.



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Edinburgh
EH1 3DG

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