

**Changes in the distribution of birds at low water
in the Stour and Orwell Estuaries SPA 1996-2015.**

February 2016

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Summary

1. The Stour and Orwell estuaries are wintering grounds for an important assemblage of waders and wildfowl. Counts of the bird populations occurring at low tide started in the 1980s, and a programme of annual simultaneous low tide counts commenced in 1999 as part of a scheme to monitor the environment of the estuaries.
2. The populations of several species have changed since monitoring began and there is concern about altering estuarine conditions. To date, no assessment of patterns in bird distribution within the estuaries has been undertaken to identify where changes have occurred.
3. This study represents the first step towards pinpointing areas of concern within the estuaries and to determining the potential causes of any changes in the distribution of species. It undertakes a simple analysis of the numbers of 13 species occurring within 37 sections of the Stour and Orwell between 1996 and 2015.
4. Maps show where there are trends in bird populations within the estuaries and these are presented alongside maps of winter populations for each species. Data are provided as an information source for estuarine managers and for further development, and no attempt is made to interpret or explain any changes in the distributions of birds that are highlighted.

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1 Introduction

The Stour and Orwell estuaries together support an assemblage of breeding and wintering birds that is internationally important. They are designated individually as Sites of Special Scientific Interest and together as both a Special Protection Area (under the European Birds Directive (2009/147EC)) and a wetland of international importance under the Ramsar Convention 1971, and form part of the network of Natura 2000 European Marine Sites. They are also a major component of the Suffolk Coast and Heaths Area of Outstanding Natural Beauty.

Counts of birds at low water within the estuaries have been ongoing since the 1980s. Simultaneous low water winter counts of both estuaries were included in the Mitigation and Monitoring Package of Harwich Haven Authority (HHA) that was associated with the deepening of the approach channel to the harbour in 1998-2000. These counts have been conducted each winter since 1999/2000 in a programme that also includes surveys of sediment and the invertebrate faunas of the estuaries. Counts during the 1980s and 1990s were primarily of the Orwell and undertaken by Suffolk Wildlife Trust (SWT).

Annual reports of the HHA bird monitoring programme in the SPA have summarised the low tide status of bird populations within each estuary and the SPA since 2000, and provide ongoing indications of overall population trends after each winter. To date, the mean winter numbers of seven species have declined and two species have increased in one or both estuaries since the first winter's monitoring. The causes of all of these changes are unknown, but some reflect changes in the national populations of species.

The annual reports also include maps of overall winter distribution for each species within each estuary. Comparisons of maps from different winters provide subjective assessments of altered distributions from year to year, but these do not permit confident evaluations of where changes in a particular species have taken place. Such assessments might provide initial indications of changing estuarine conditions, as there is concern over the potential impact from a number of sources, including disturbance.

This study was commissioned by Harwich Haven Authority and Natural England to examine where changes have occurred in the distributions of 13 species within the SPA since the 1990s. A simple analysis of trends within the count sections of each estuary was undertaken for the period 1996-2015. Two aspects of the data were examined: 1) trends in the absolute numbers of birds using each section; and 2) trends in the proportion of the whole estuary population using each section.

This study is the first step towards determining the potential causes of any altered distributions of species at low tide within the estuaries. Maps are presented showing the distribution of trends in each estuary for each species. Results are provided as information for users, managers and as a basis for further investigation and no attempt is made to interpret or explain highlighted trends. Factors affecting the distribution of birds within an estuary are extremely complex.

2 Methods

Count data

Low water data for both estuaries was available for all winters between and including 1999/2000 and 2014/15 via the programme of counts that were commissioned by HHA. Earlier data exists from counts by SWT of the Orwell (all winters since 1984 bar 1986/87, 1987/88 and 1993/94) but only sporadic low water counts of the Stour have been undertaken since 1984 (between 1988/89 and 1992/93 and in 1996/97).

Only count data starting from 1994 were available to this study through the Wetland Bird Survey (WeBS) database of the British Trust for Ornithology (BTO). Owing to the availability of data, a simultaneous start date for analyses was set to 1996/97. Therefore, data was composed of a continuous sequence of 19 winters for the Orwell (1996/97 to 2014/15) and a broken sequence including 17 winters for the Stour (1996/97 and 1999/2000 to 2014/15).

Consistency of data

Four counts were undertaken in each winter during the period of the HHA programme (1999-2015), composed of one per month from November to February. Counts before 1999 spanned a broader winter period, some starting as early as September and ending in March. Two counts per month were also undertaken in some winters. To be

Table 1: Number of complete counts available in the winter months November-February.

Winter	Estuary	No.	Months	Estuary	No.	Months
1996/97	Orwell	3	DJF	Stour	2	DF
1997/98	Orwell	5	NDJJF			
1998/99	Orwell	3	DJF			
1999/00	Orwell	4	NDJF	Stour	3	NJF
2000/01	Orwell	4	NDJF	Stour	3	DJF
2001/02	Orwell	4	NDFF	Stour	4	NDFF
2002/03	Orwell	4	NDJF	Stour	4	NDJF
2003/04	Orwell	4	NDJF	Stour	4	NDJF
2004/05	Orwell	2	DF	Stour	4	NDJF
2005/06	Orwell	3	NDJ	Stour	4	NDJF
2006/07	Orwell	4	NDJF	Stour	4	NDJF
2007/08	Orwell	3	NDF	Stour	2	DF
2008/09	Orwell	4	NDJF	Stour	3	NDJ
2009/10	Orwell	3	NFF	Stour	4	NDFF
2010/11	Orwell	3	NDJ	Stour	4	NDJF
2011/12	Orwell	3	NDF	Stour	4	NDJF
2012/13	Orwell	3	NDF	Stour	2	NJ
2013/14	Orwell	4	NDJF	Stour	3	NDF
2014/15	Orwell	3	NDJ	Stour	3	DJF

consistent with the HHA counts that form the majority of the dataset, only individual counts undertaken within the four month period of November to February were extracted from the data for earlier winters.

Furthermore, only complete counts occurring in November to February were used in analyses (Table 1). It was necessary to exclude counts with missing sections as analyses required an accurate total of the estuary population for each species.

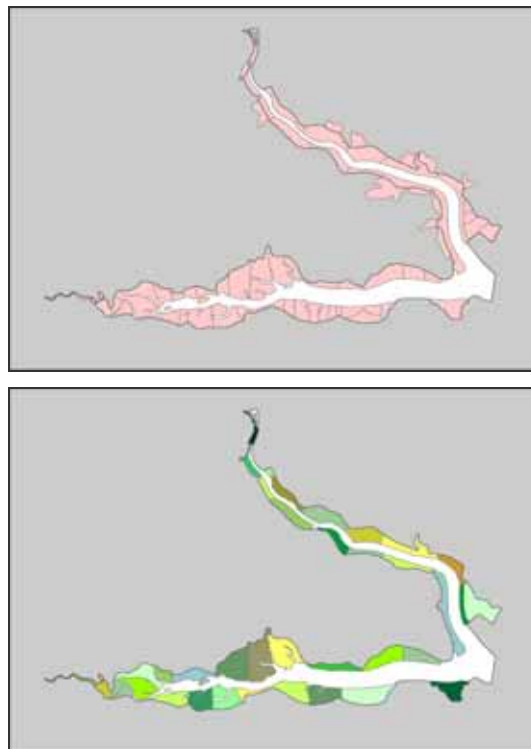
Count sections

Orwell. Counts were performed in 18 sections of the Orwell until 1999, when there was a change to their nomenclature and a further 14 sections were added to bring the total to 32 (see appendix 1).

These additional sections were effectively subdivisions of eight of the original sections to formalise the counting of hinterland.

For this study, count data from these additional sections were combined with their original parent sections for all Orwell counts from 1999 onwards (fig. 1). This made them compatible with earlier counts that used only 18 sections, as the reverse could not be effected. In practice, there are usually few birds in these hinterland sections, with the occasional exception of ducks and geese.

Fig. 1: Current count sections of the Stour and Orwell (top) and after consolidation for the analyses (bottom). For detail of count sections see appendix 1.



Furthermore, one count section (section A1 or 1, comprising open water at the docks in Ipswich, see appendix 1) was not always counted in early winters and this section was removed from the dataset. This will not have compromised the dataset as this section usually contained no bird species of interest to this study – any present were waterborne species. A further section (D3 or 12, Trimley Lake) that usually contained small numbers of wildfowl, was combined with the neighbouring intertidal section (D2 or 11, Thorpe Bay). Therefore, analyses of changes in distribution within the Orwell were undertaken for 16 divisions of the estuary.

Stour. Winter counts on the Stour have been conducted in the same 40 sections in all winters (fig. 1). Many sections are small and contain relatively few birds (particularly those along the southern shore). Adjacent sections were merged in these areas, primarily to provide sufficient data for analyses, but also to provide sections of similar size throughout the estuary and because these sections formed obvious geographic features. This process produced 21 sections for analyses from the original 40 (fig. 1).

Analyses

Analyses examined the populations of 13 species – brent goose, shelduck, wigeon, pintail, oystercatcher, ringed plover, grey plover, knot, dunlin, black-tailed godwit, curlew, redshank and turnstone. Two aspects of population data were examined for each of these in the 37 sections of the two estuaries between 1996 and 2015 (19 winters for the Orwell and 17 for the Stour):

A. The trend (increasing, decreasing or no change) in the mean winter population in each section between 1996/97 and 2014/15, i.e. the absolute numbers of birds using each section in isolation.

B. The trend (increasing, decreasing or no change) in the proportion of the whole estuary population using each section between 1996/97 and 2014/15. Estuary populations have not remained stable for most species and may be changing for reasons not attributable to the environments of the estuaries, such as summer breeding success and weather. This analysis shows trends in section use with variations in overall estuary population moderated (although changes in whole populations may in themselves affect the distribution of birds owing to subsequent behavioural factors). To obtain these data, the proportion of the estuary population present in a section was calculated for each count and averaged for each winter (hence the requirement for complete counts).

Detail of methods and analyses is provided in appendix 2, and expanded interpretations of trends are shown in appendix 3.

Presentation

The results are presented in a series of maps for each species. To provide context to highlighted trends, two maps are also included that show the mean populations of each species within each section of the estuaries at the start and end of the period analysed: 1) in the first five winters (1996/97 to 2000/01) (three for the Stour); and 2) in the last five winters (2010/11 to 2014/15).

Interpretation

Trends usually indicate where populations within sections have altered consistently. Therefore, population trends may involve small numbers of birds and none may show despite apparently large changes if populations have fluctuated.

A trend in analysis A shows whether a section's population has altered and a trend in analysis B shows whether it has altered relative to the whole estuary. Therefore, the population of a species within a section may show a trend in A but none in B. Sections may show trends in analysis B even if numbers have remained stable within them, depending on patterns in the whole estuary population.

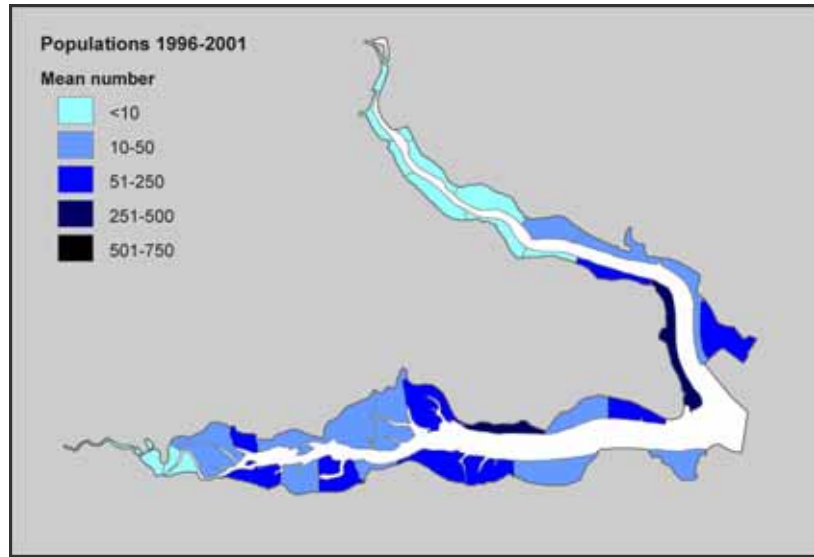
The raw population data for each section between 1996-2015 are shown in appendix 4, and it is recommended that these be consulted and used in conjunction with the maps of populations and trends where further detail is required.

3 Results (hyperlinks)

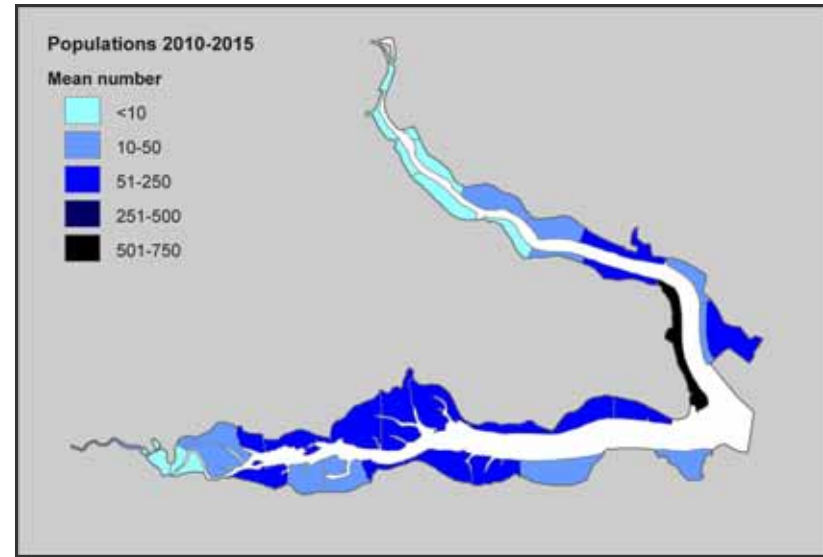
1. Brent goose
2. Shelduck
3. Wigeon
4. Pintail
5. Oystercatcher
6. Ringed plover
7. Grey plover
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14. All species: trends in winter section populations 1996-2015
15. All species: trends in section proportions of estuary populations 1996-2015
16. Cumulative trends

1. Brent goose

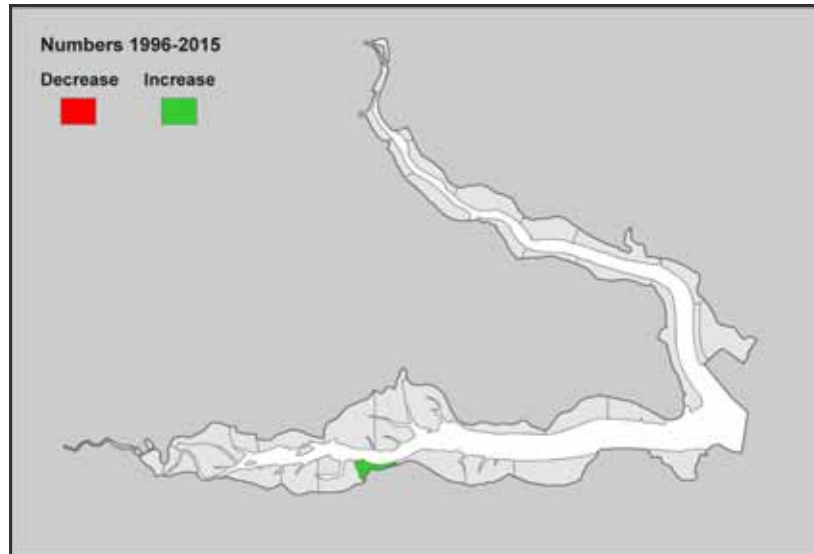
Mean winter section populations 1996-2001



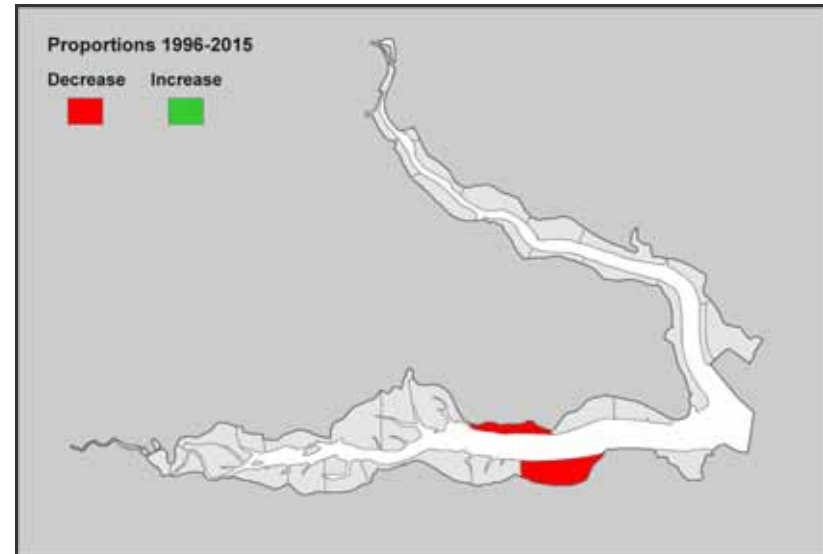
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

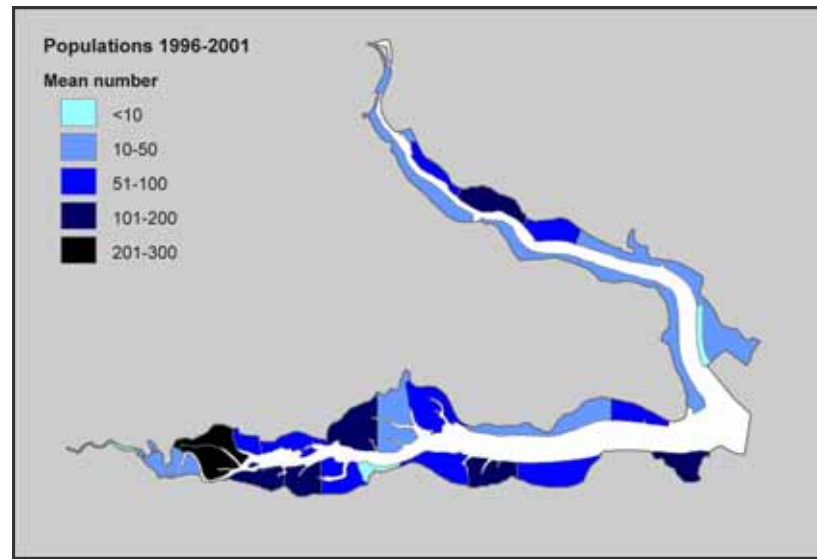


B. Trends in section proportions of winter estuary populations 1996-2015

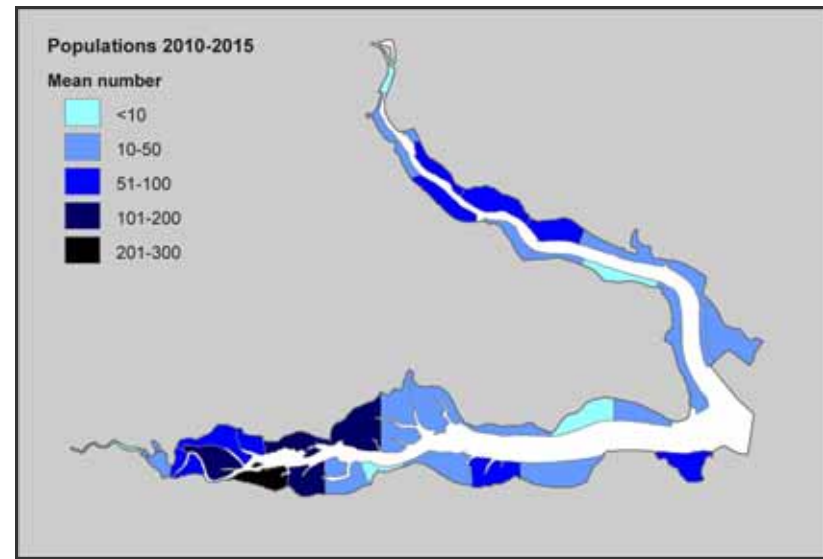


2. Shelduck

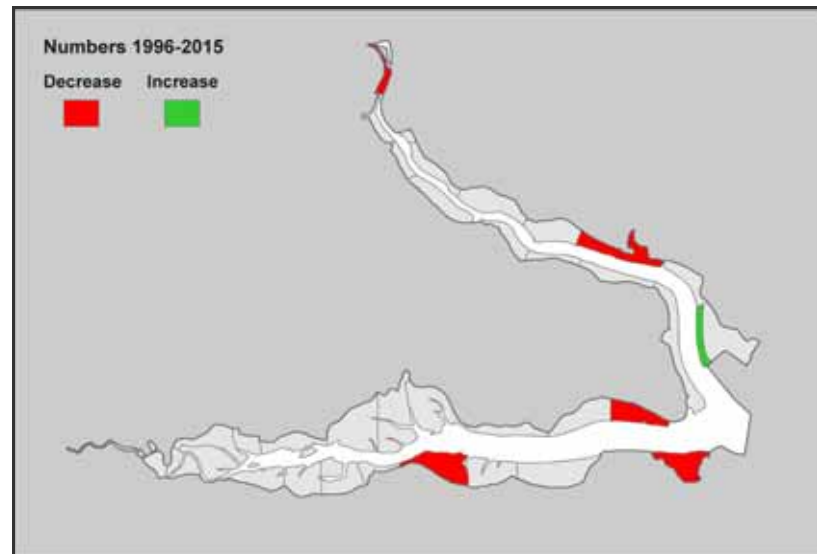
Mean winter section populations 1996-2001



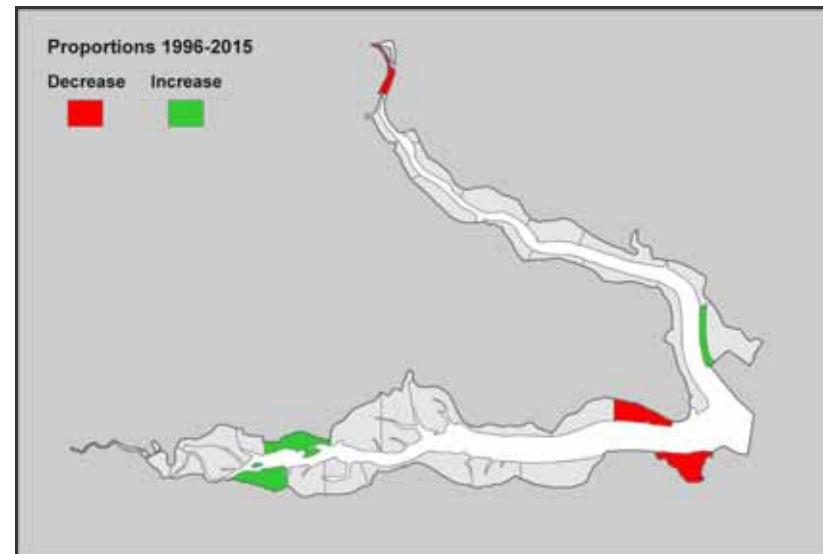
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

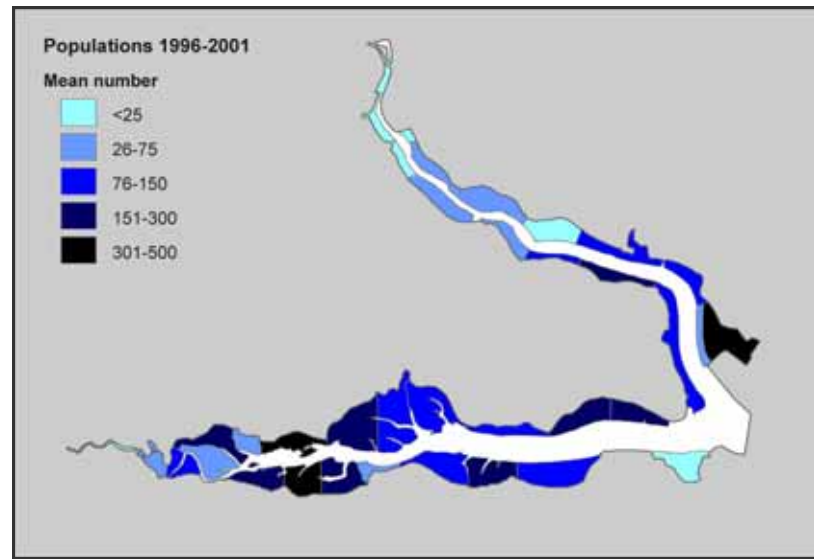


B. Trends in section proportions of winter estuary populations 1996-2015

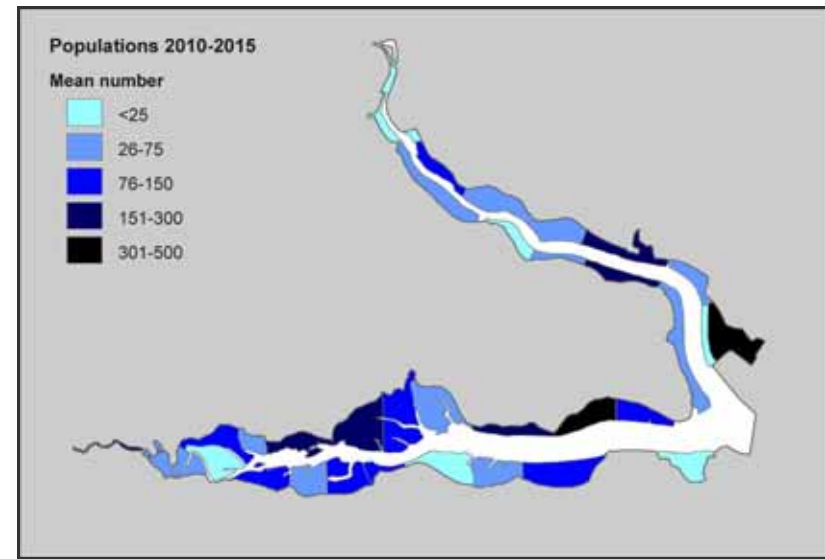


3. Wigeon

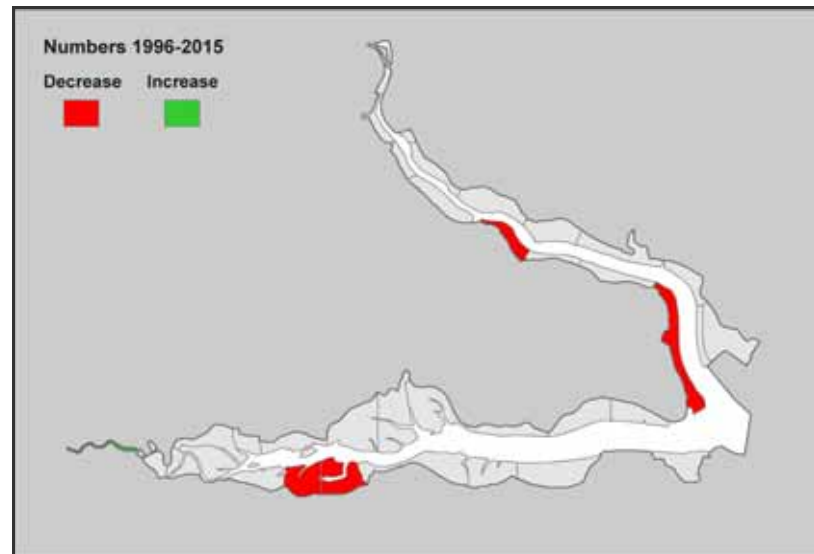
Mean winter section populations 1996-2001



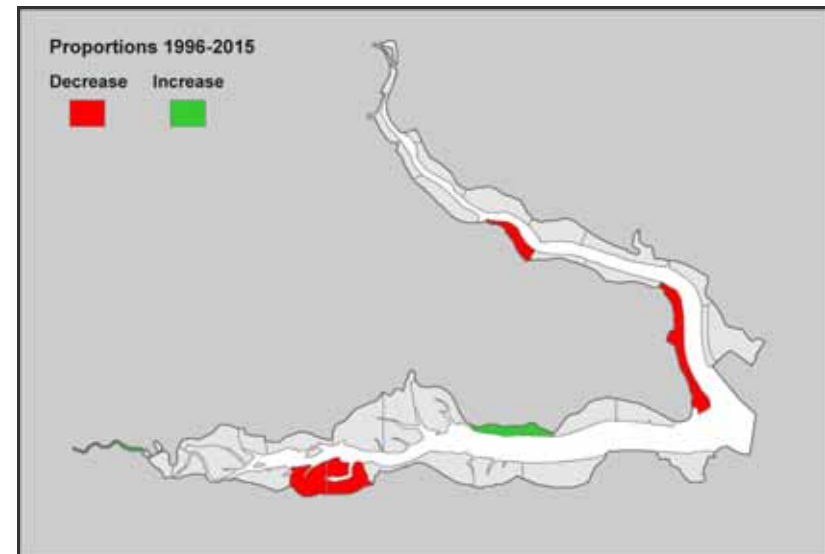
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

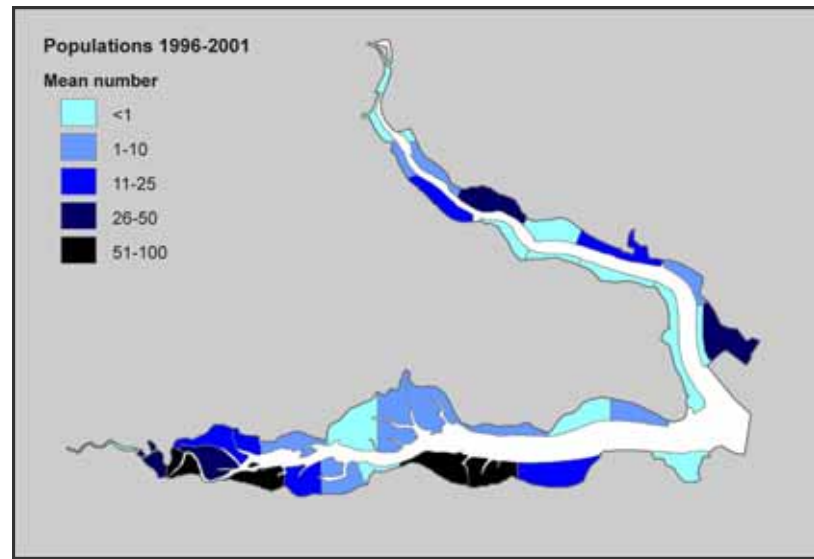


B. Trends in section proportions of winter estuary populations 1996-2015

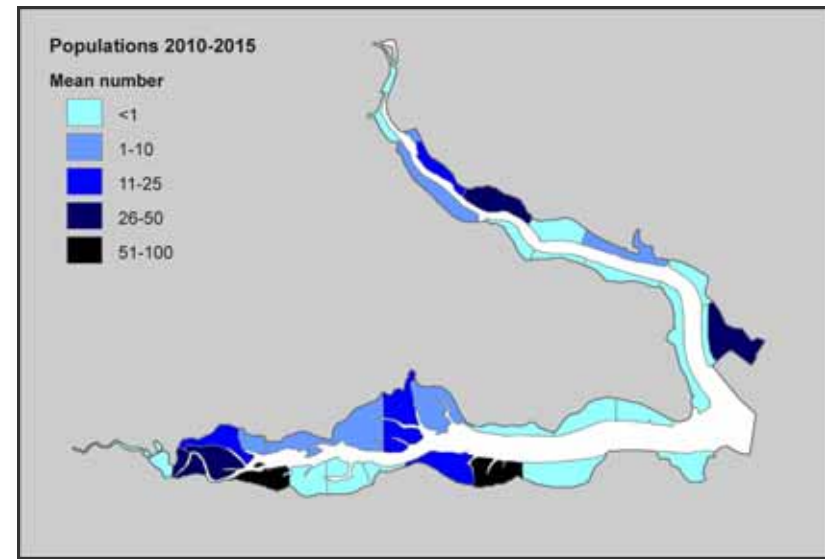


4. Pintail

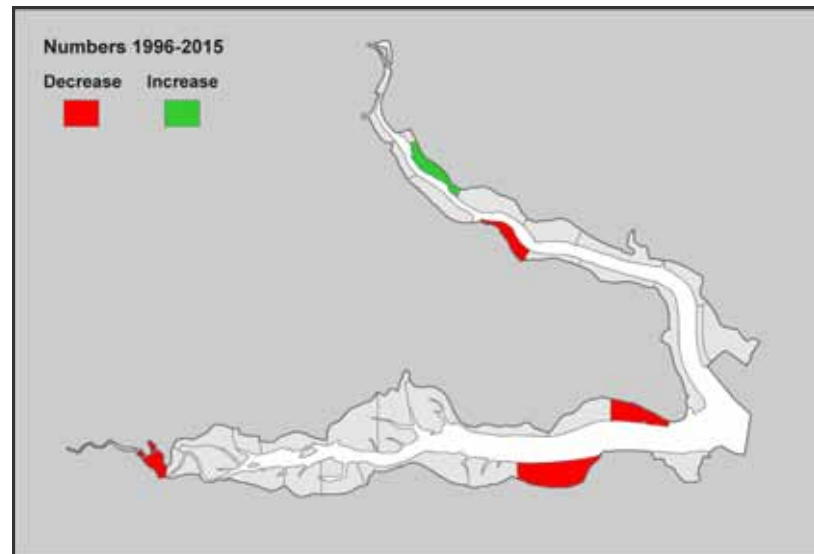
Mean winter section populations 1996-2001



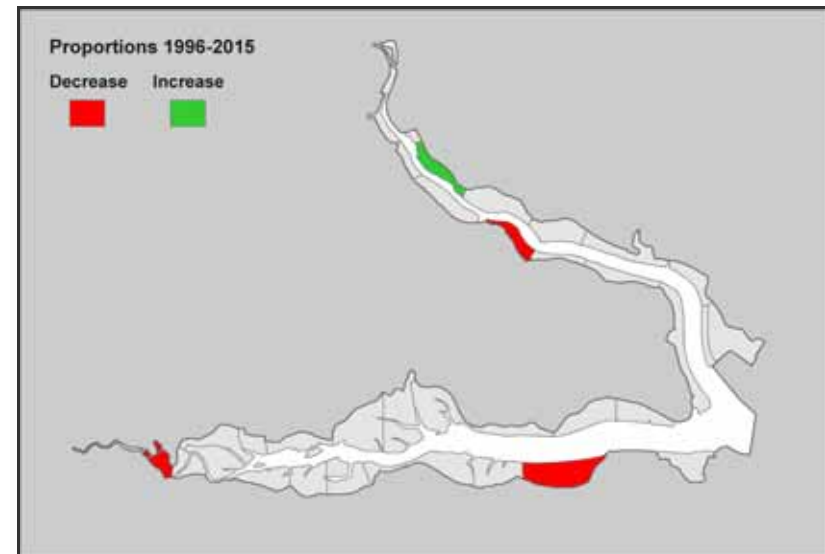
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

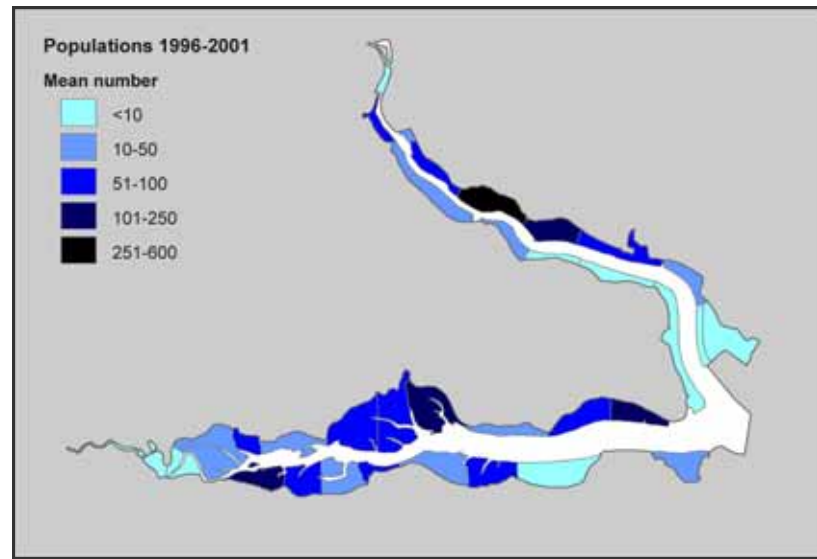


B. Trends in section proportions of winter estuary populations 1996-2015

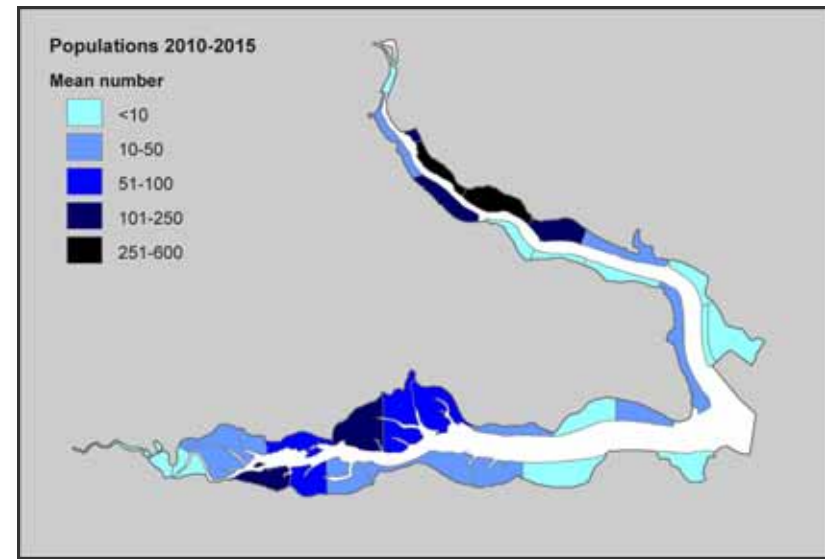


5. Oystercatcher

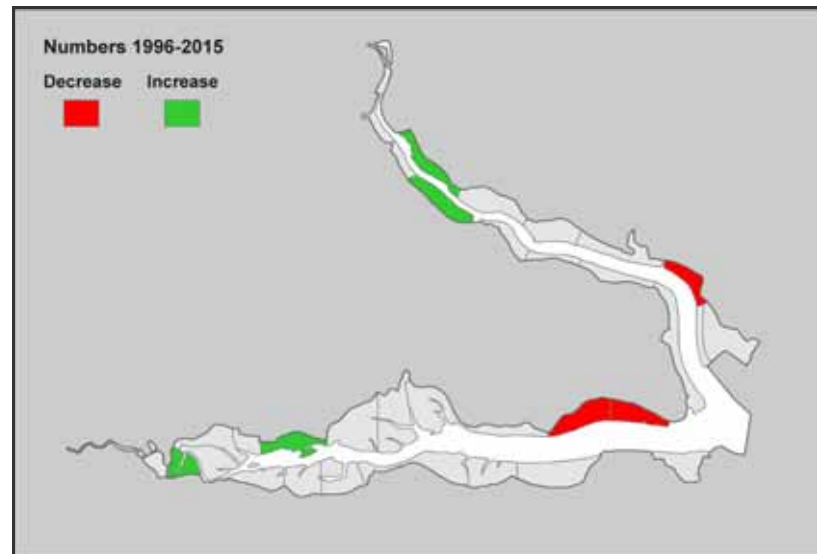
Mean winter section populations 1996-2001



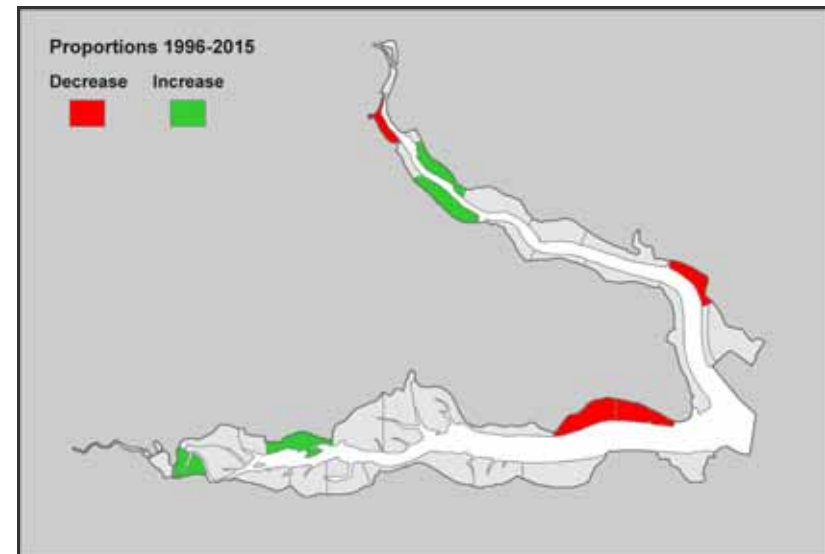
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

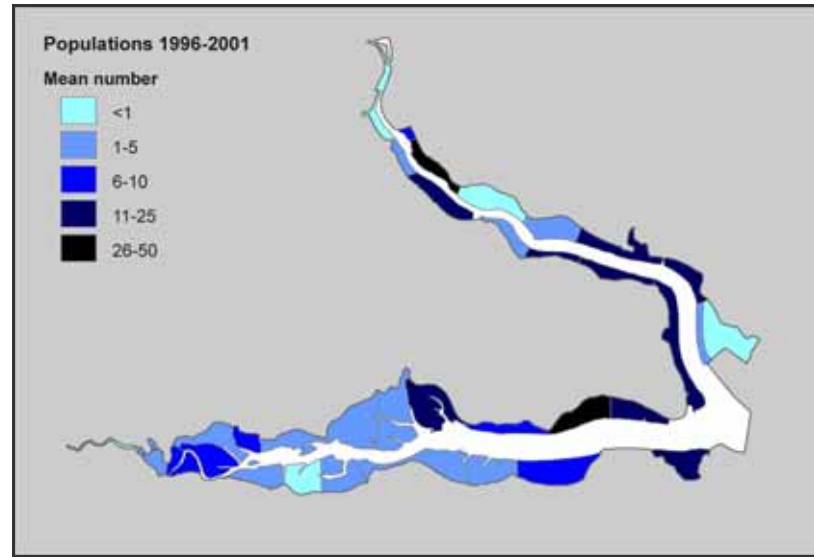


B. Trends in section proportions of winter estuary populations 1996-2015

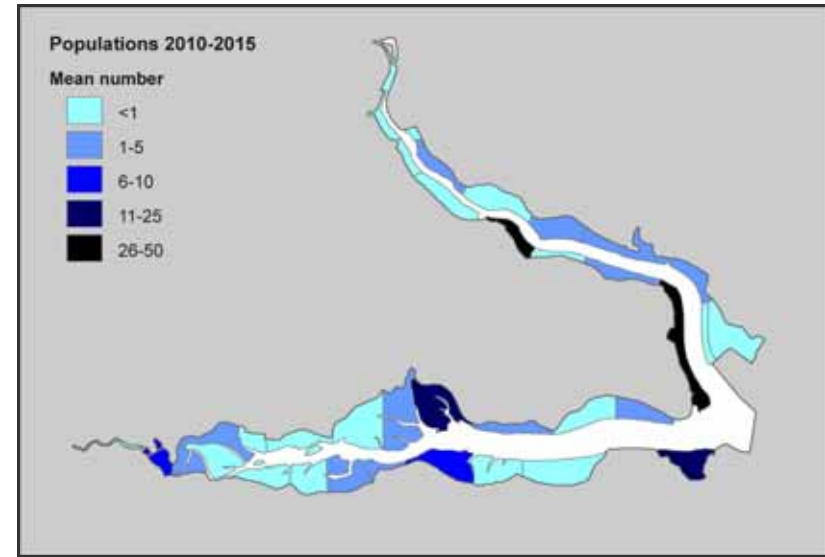


6. Ringed plover

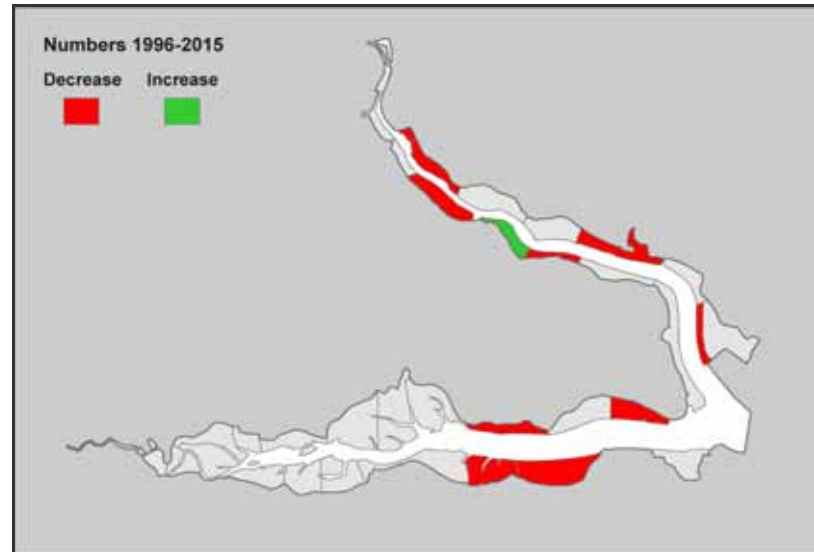
Mean winter section populations 1996-2001



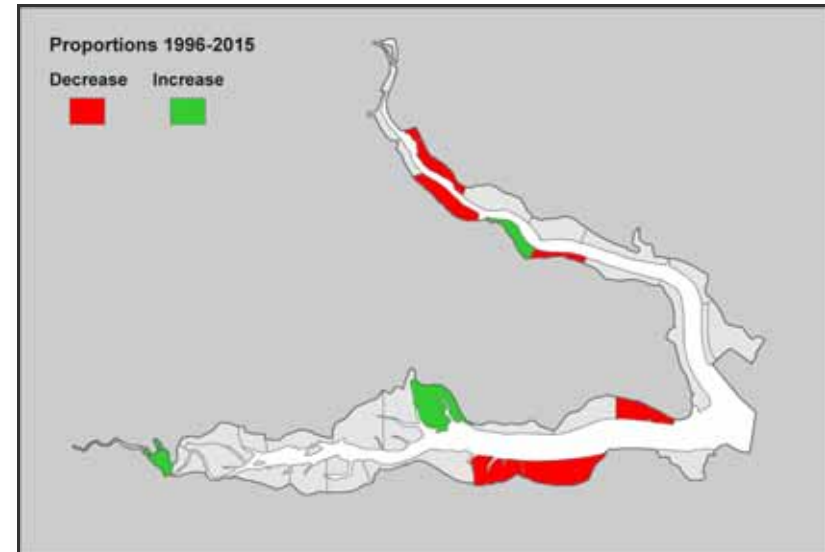
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

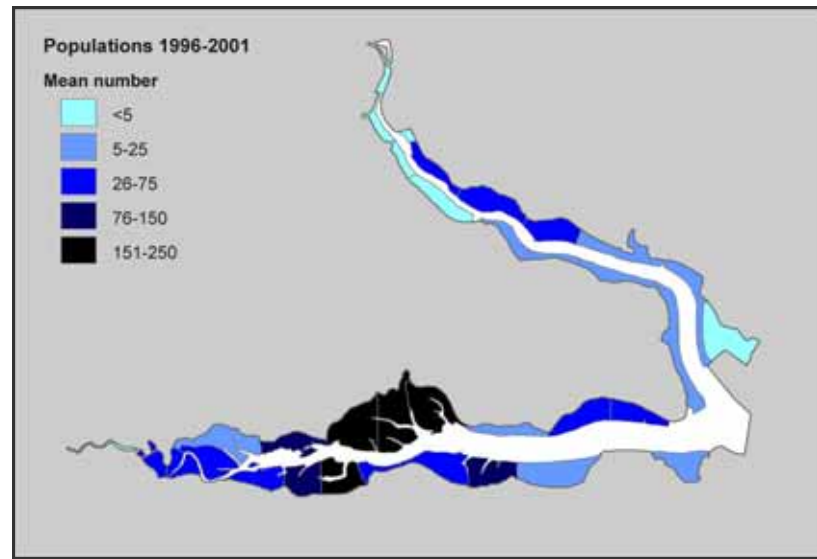


B. Trends in section proportions of winter estuary populations 1996-2015

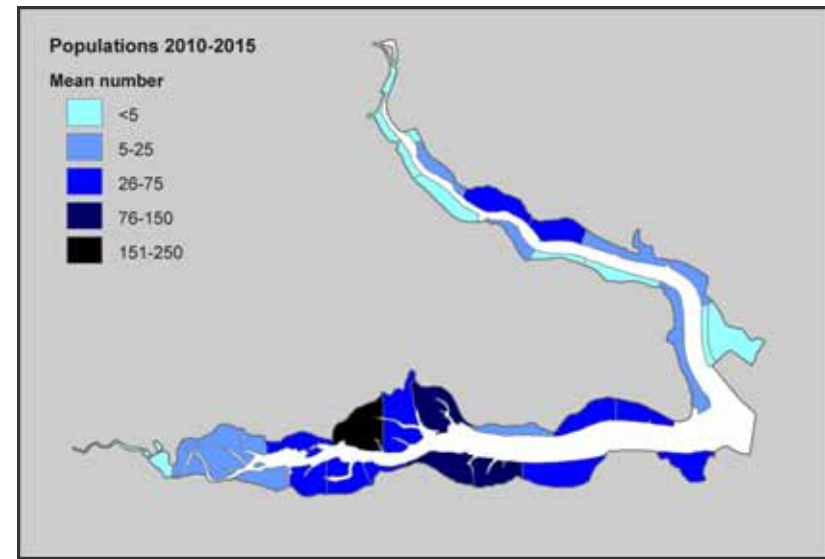


7. Grey plover

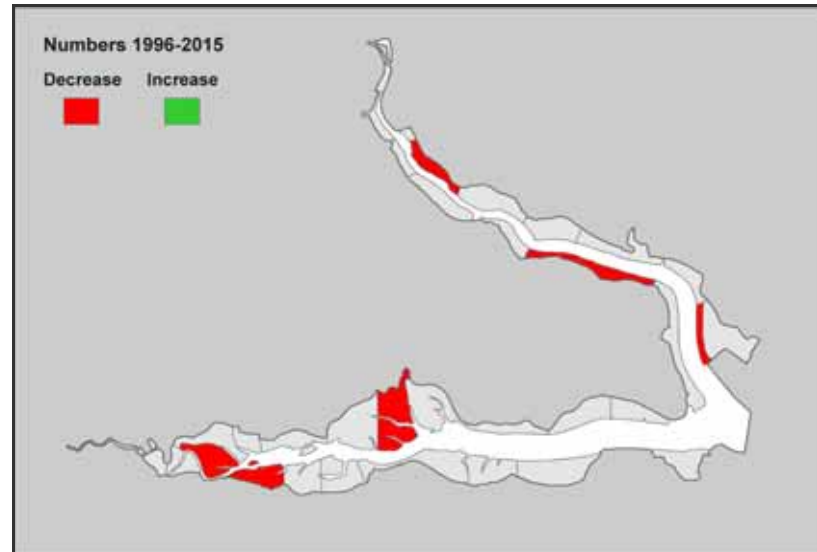
Mean winter section populations 1996-2001



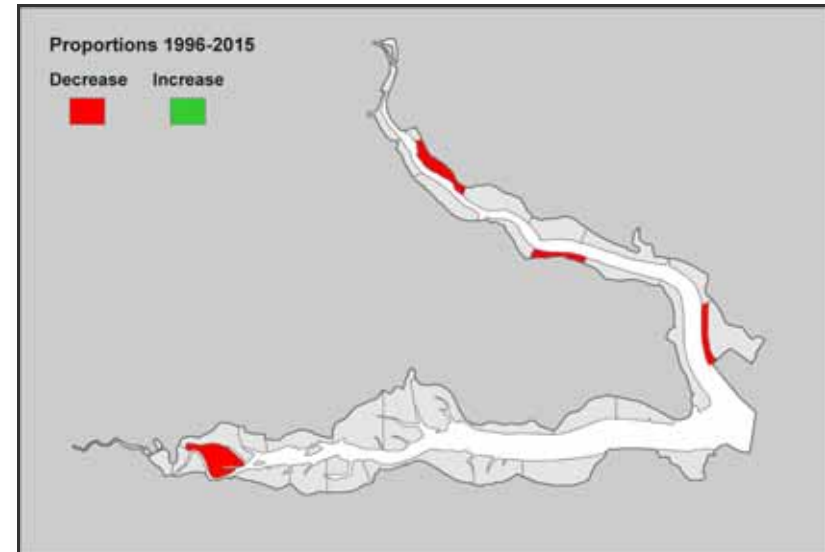
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

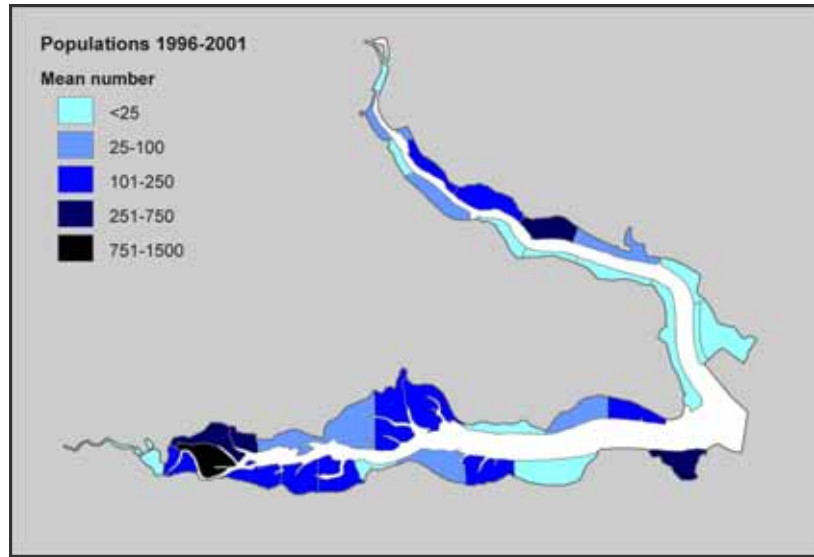


B. Trends in section proportions of winter estuary populations 1996-2015

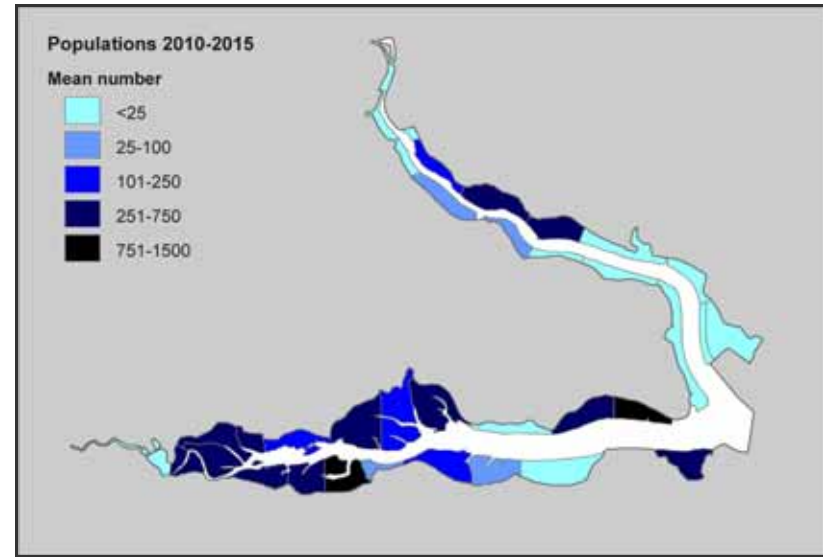


8. Knot

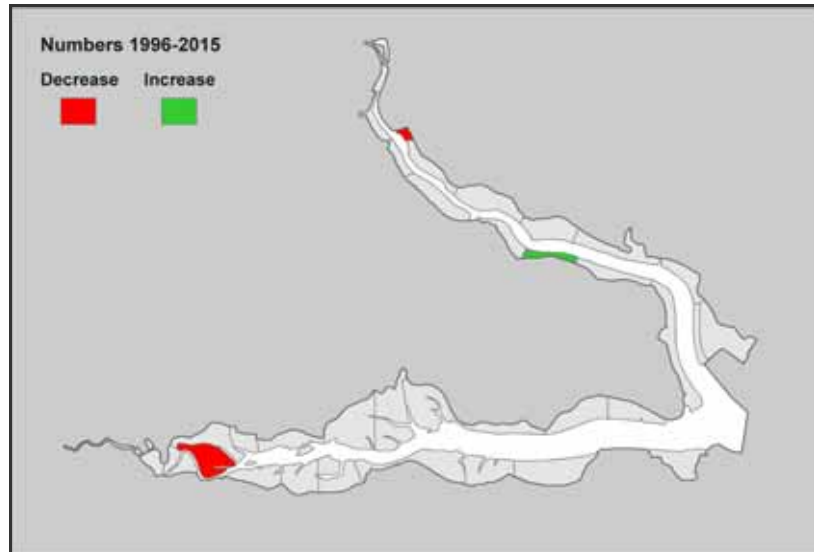
Mean winter section populations 1996-2001



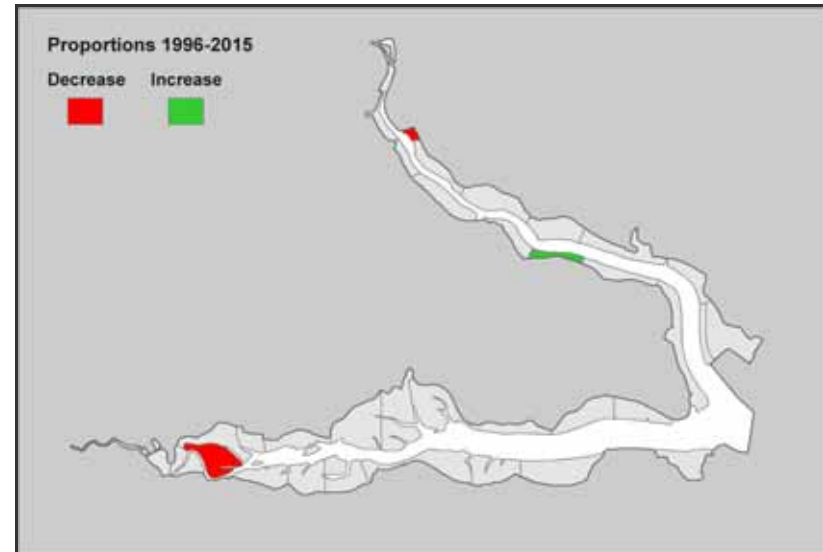
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

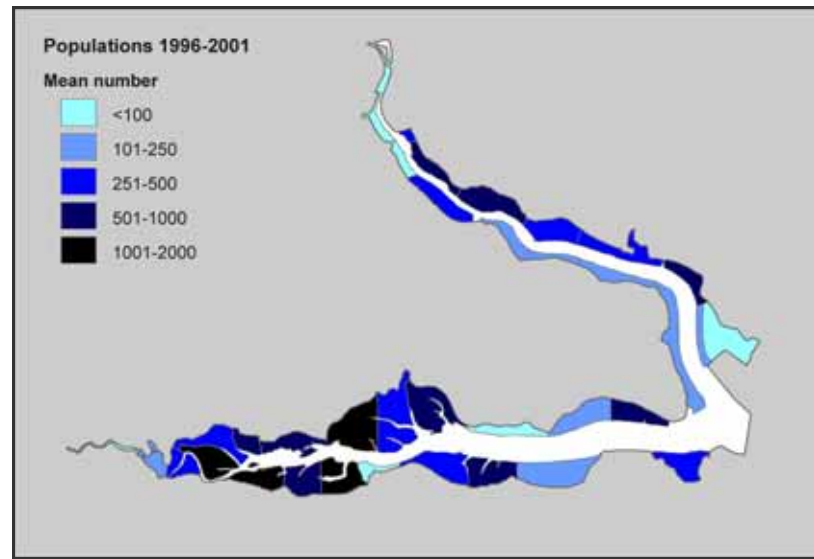


B. Trends in section proportions of winter estuary populations 1996-2015

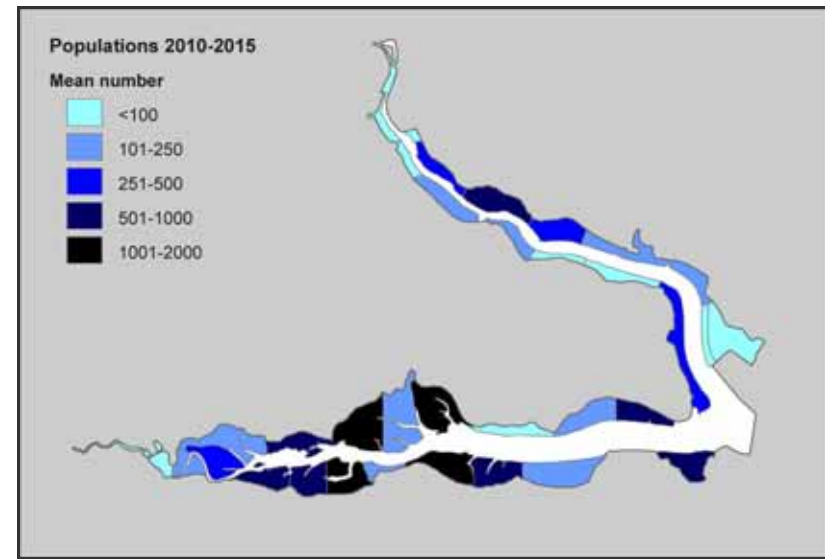


9. Dunlin

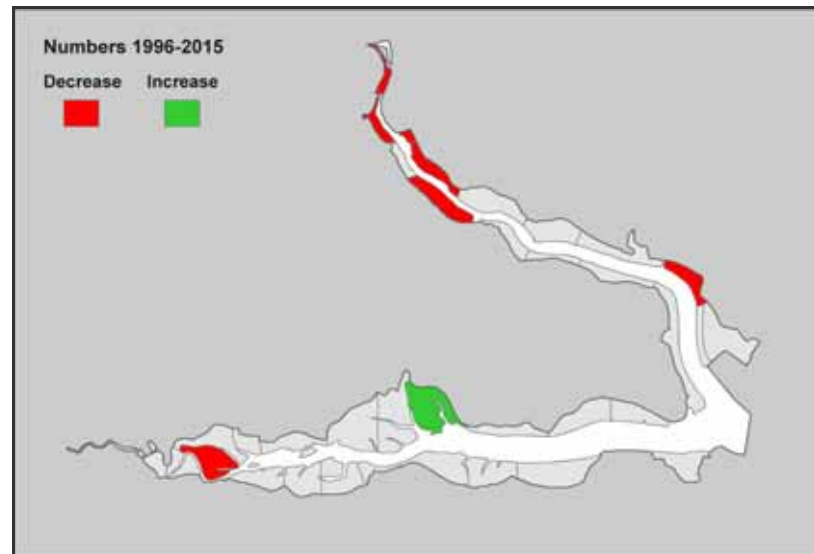
Mean winter section populations 1996-2001



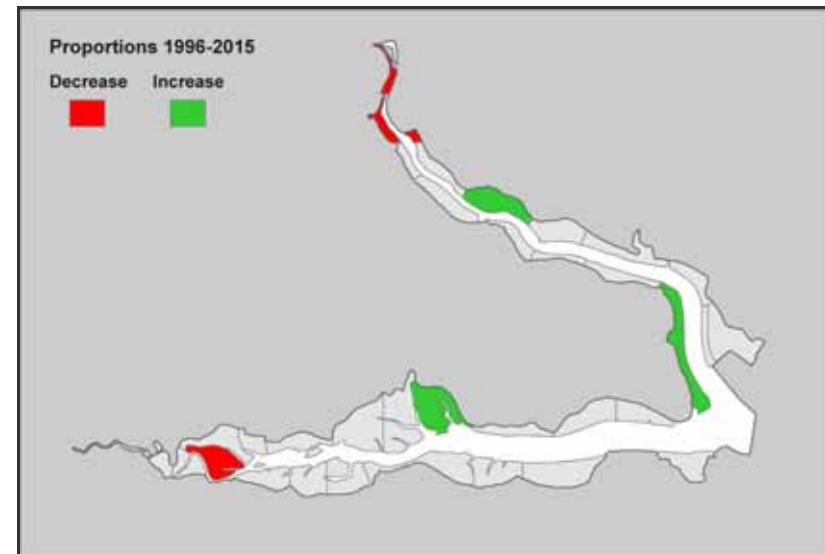
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

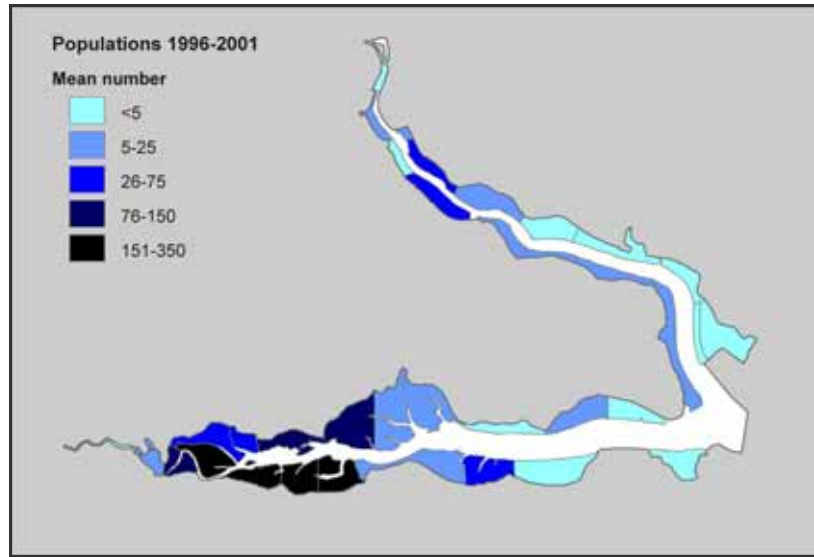


B. Trends in section proportions of winter estuary populations 1996-2015

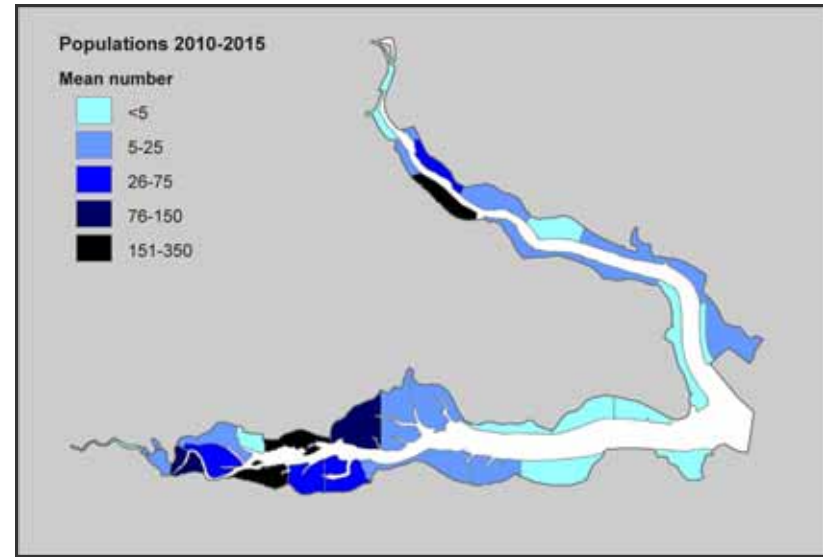


10. Black-tailed godwit

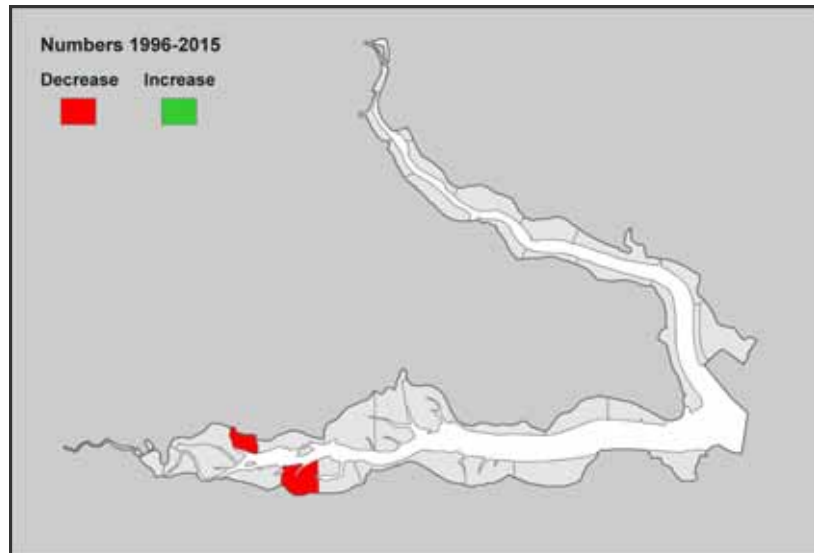
Mean winter section populations 1996-2001



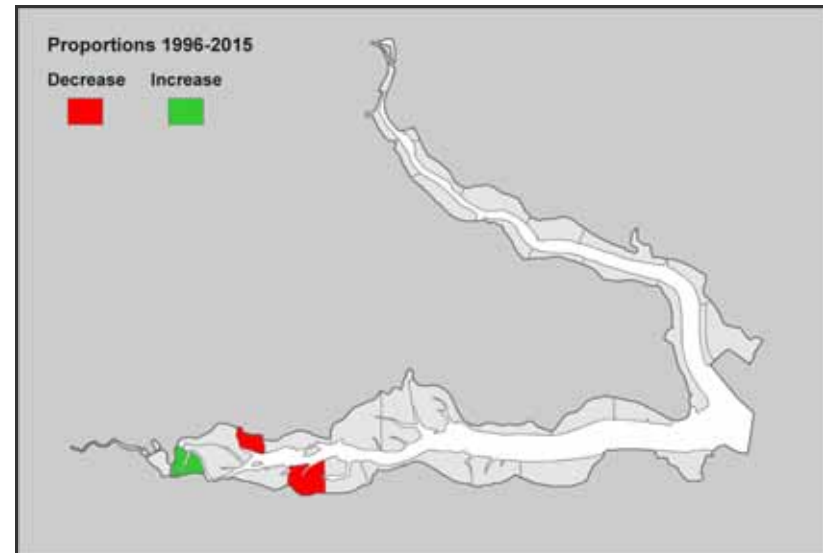
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

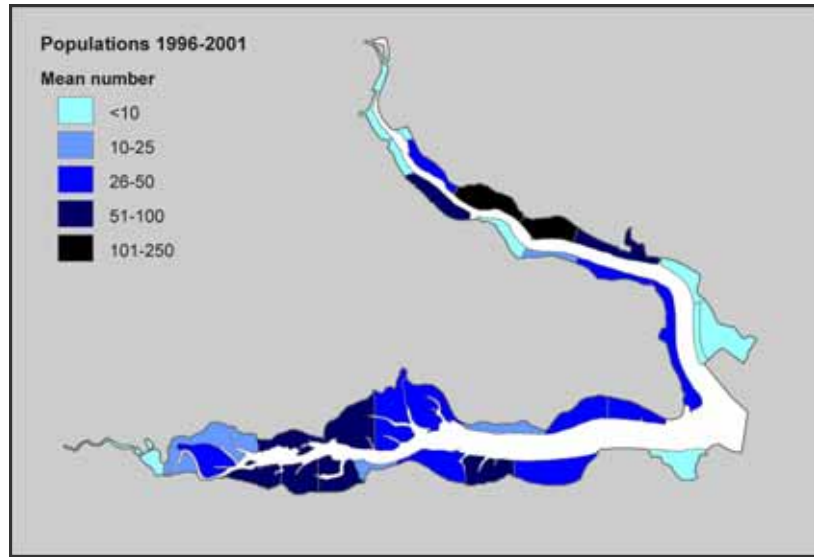


B. Trends in section proportions of winter estuary populations 1996-2015

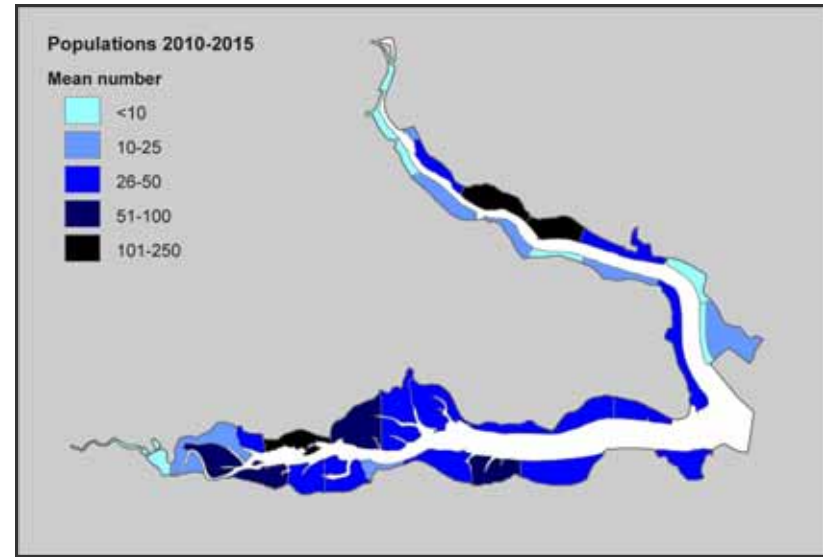


11. Curlew

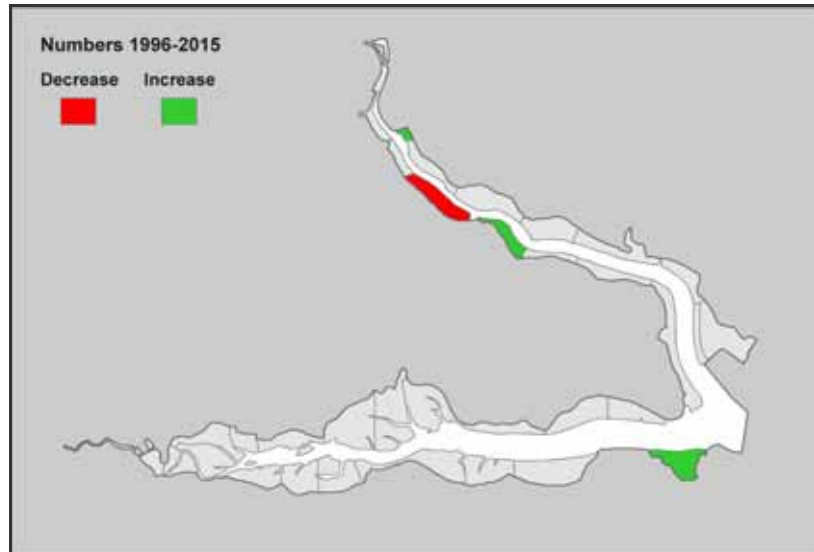
Mean winter section populations 1996-2001



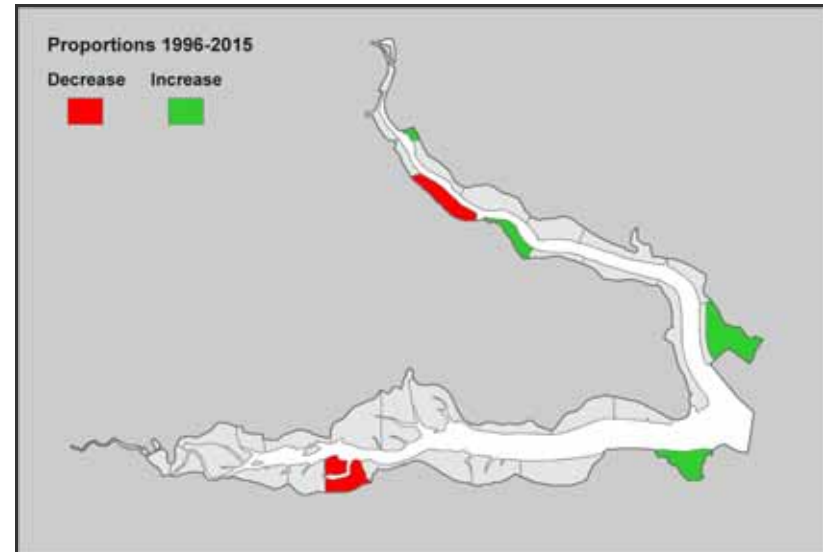
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

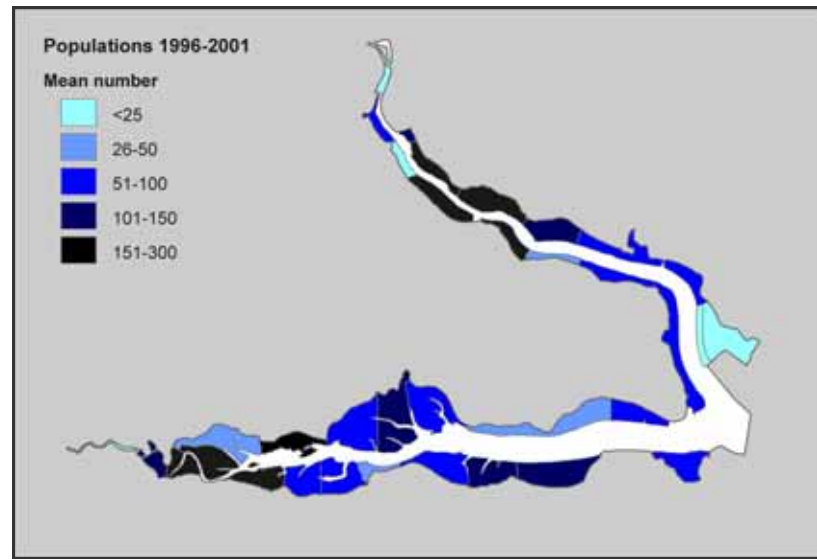


B. Trends in section proportions of winter estuary populations 1996-2015

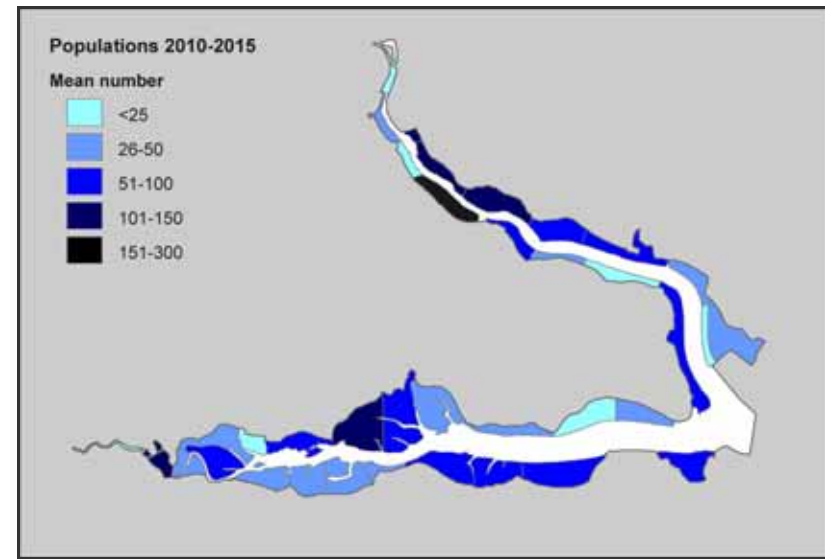


12. Redshank

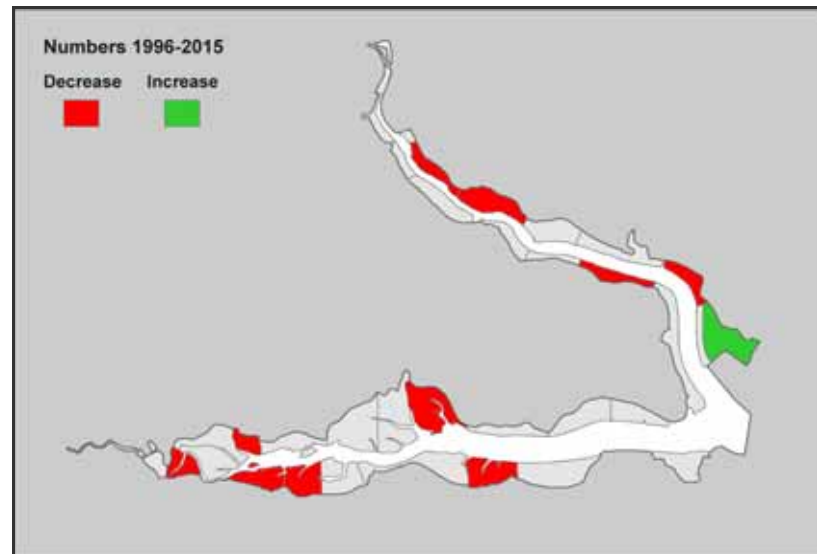
Mean winter section populations 1996-2001



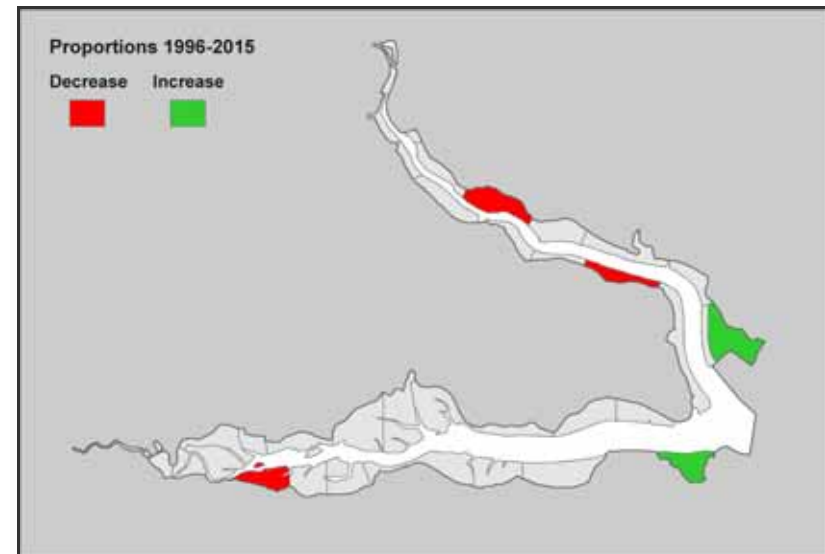
Mean winter section populations 2010-2015



A. Trends in winter section populations 1996-2015

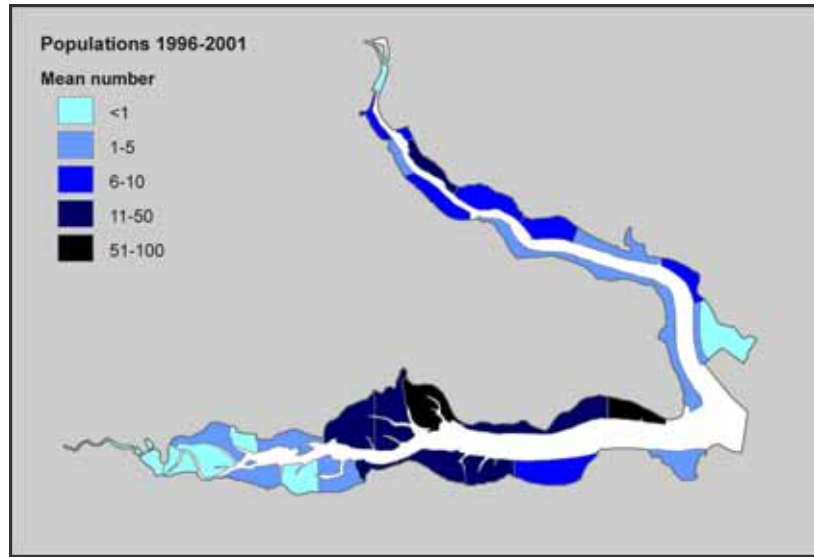


B. Trends in section proportions of winter estuary populations 1996-2015

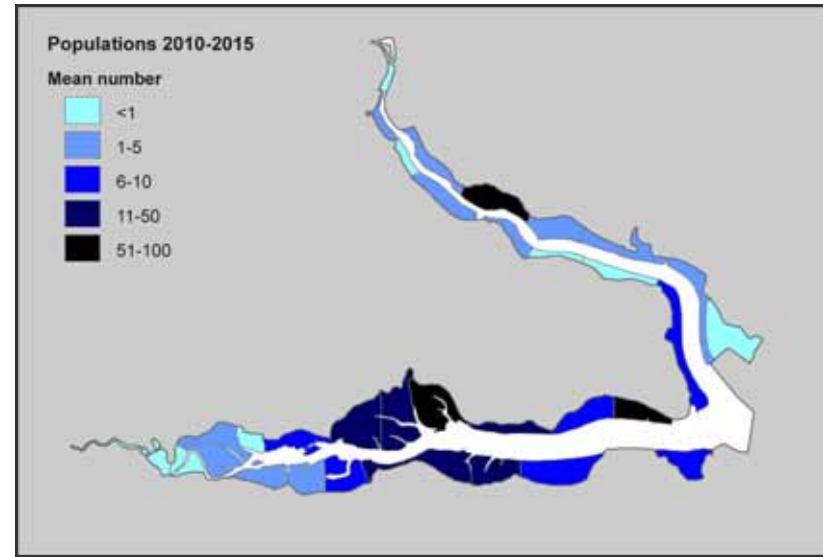


13. Turnstone

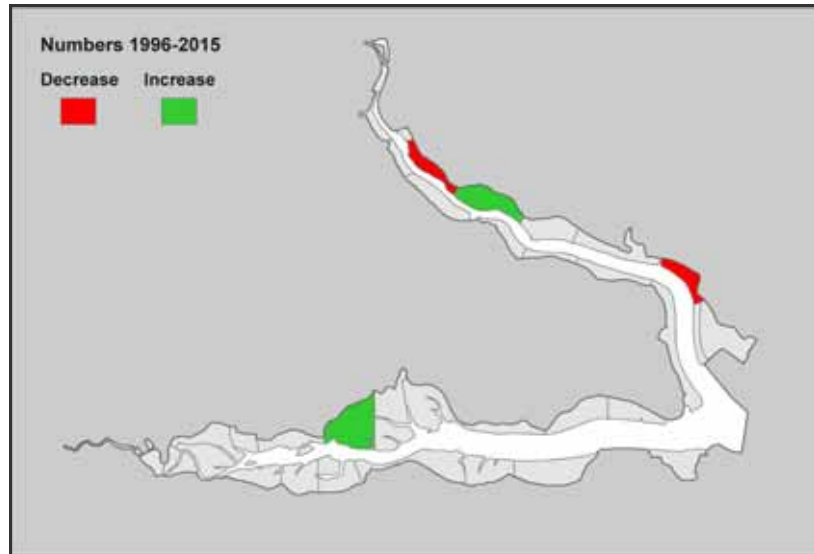
Mean winter section populations 1996-2001



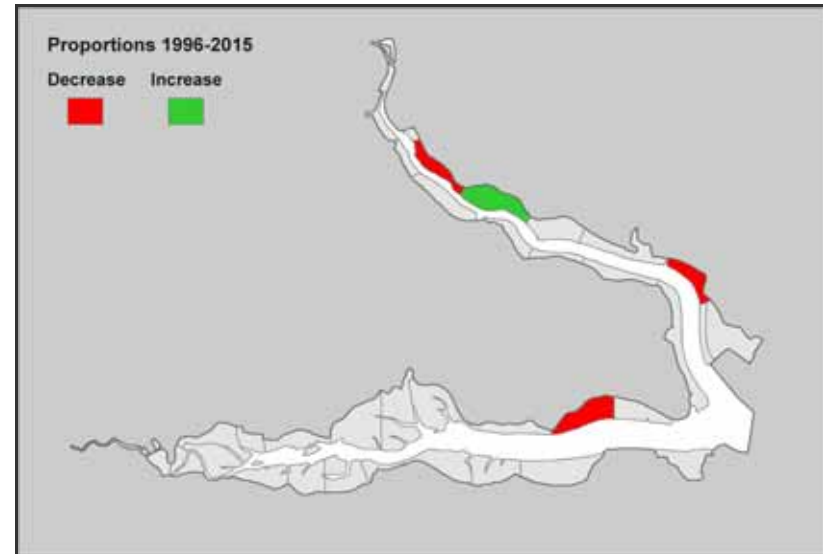
Mean winter section populations 2010-2015



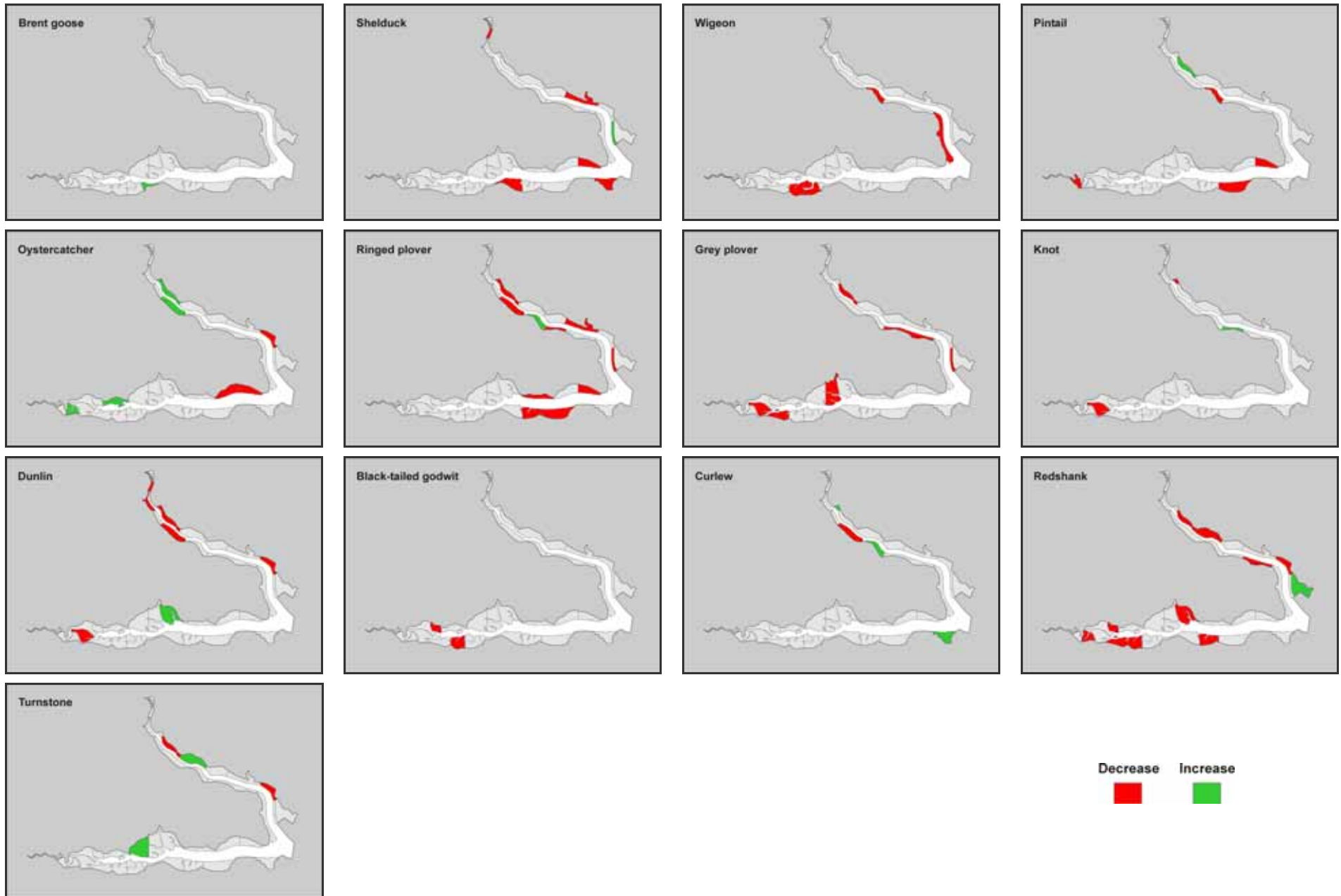
A. Trends in winter section populations 1996-2015



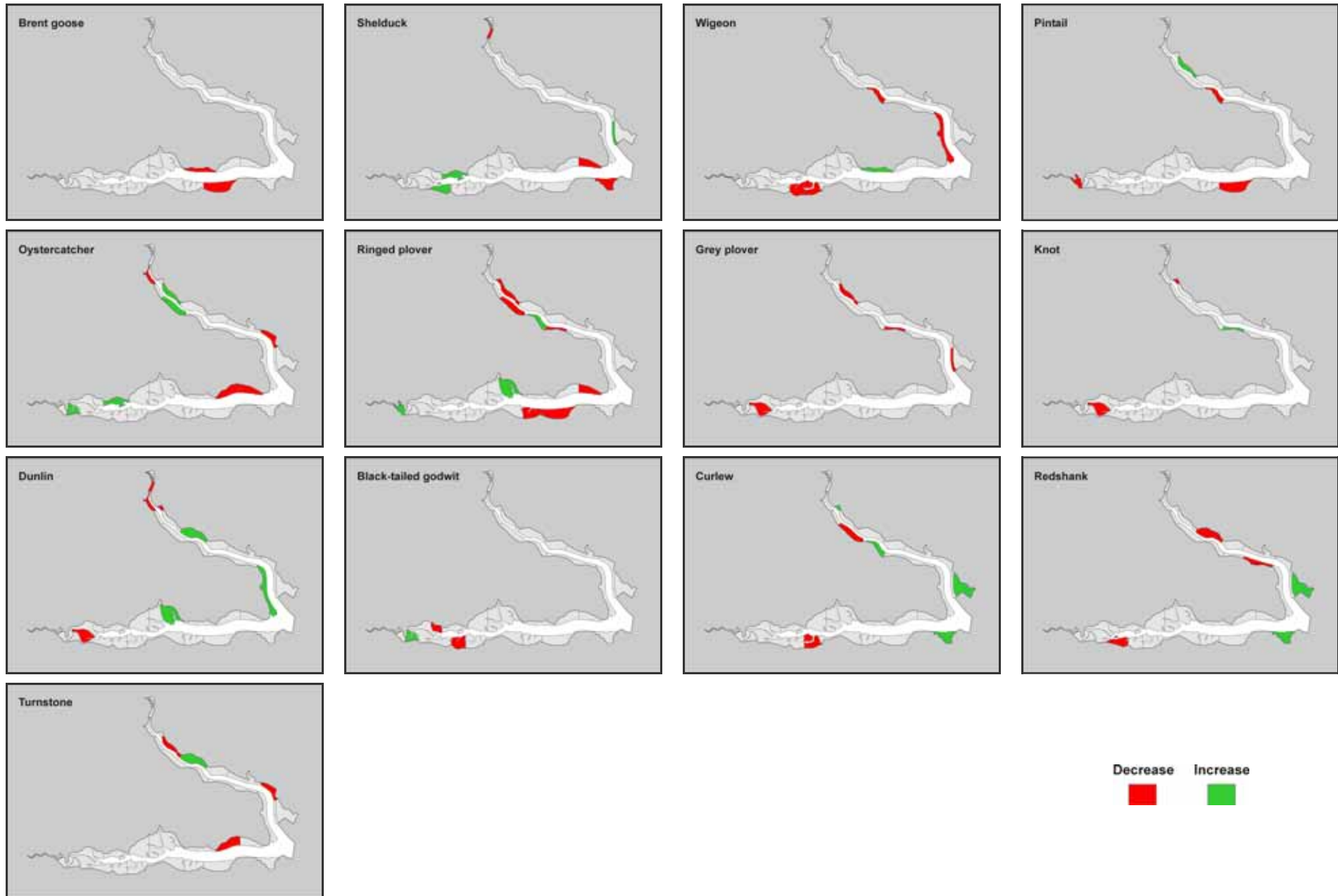
B. Trends in section proportions of winter estuary populations 1996-2015



14. All species: trends in winter section populations 1996-2015

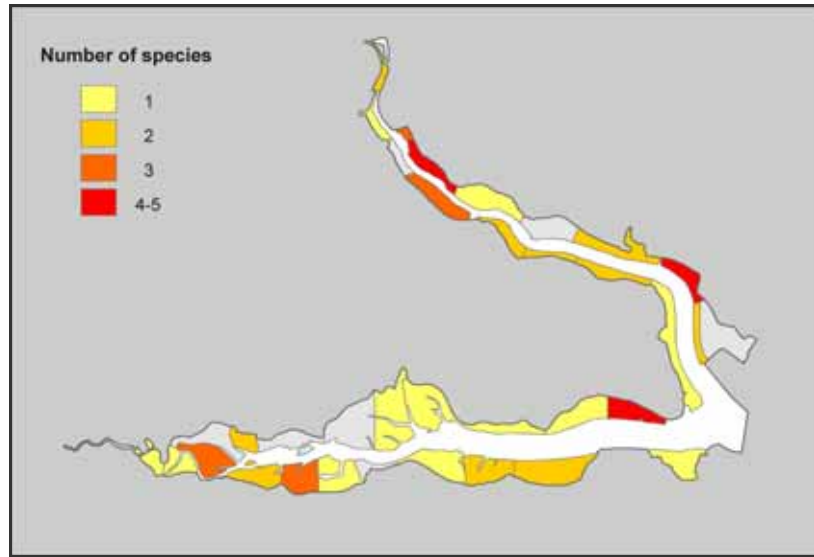


15. All species: trends in section proportions of winter estuary populations 1996-2015

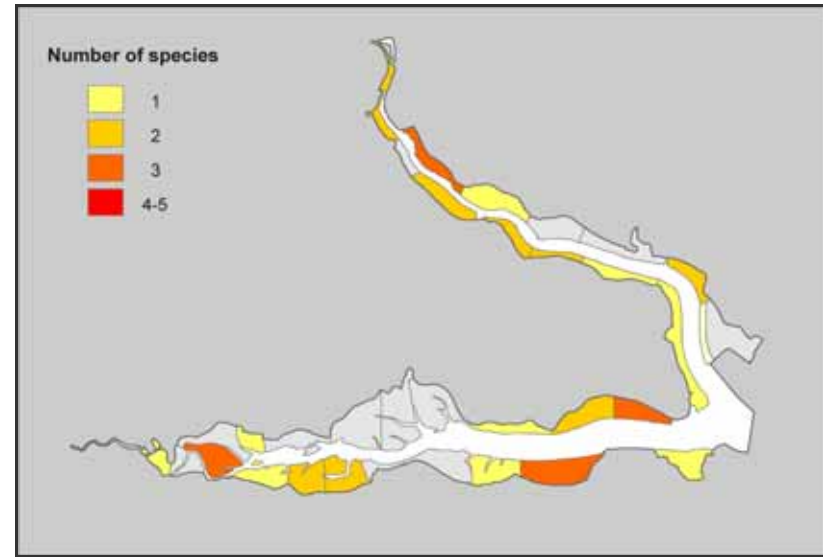


16. Cumulative trends

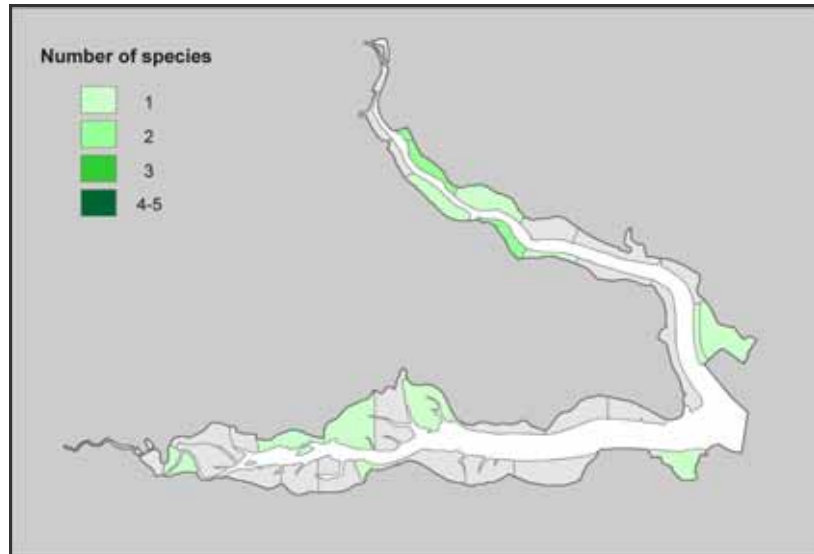
Decreasing population



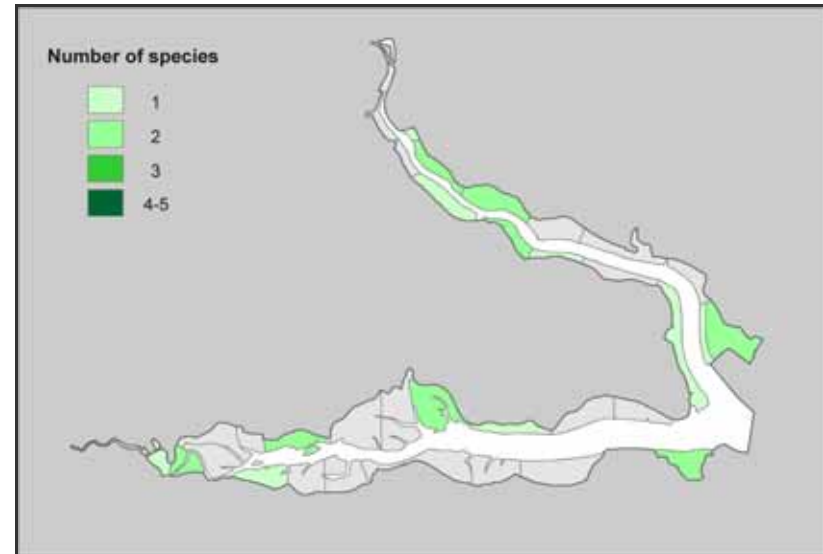
Decreasing proportion of estuary population



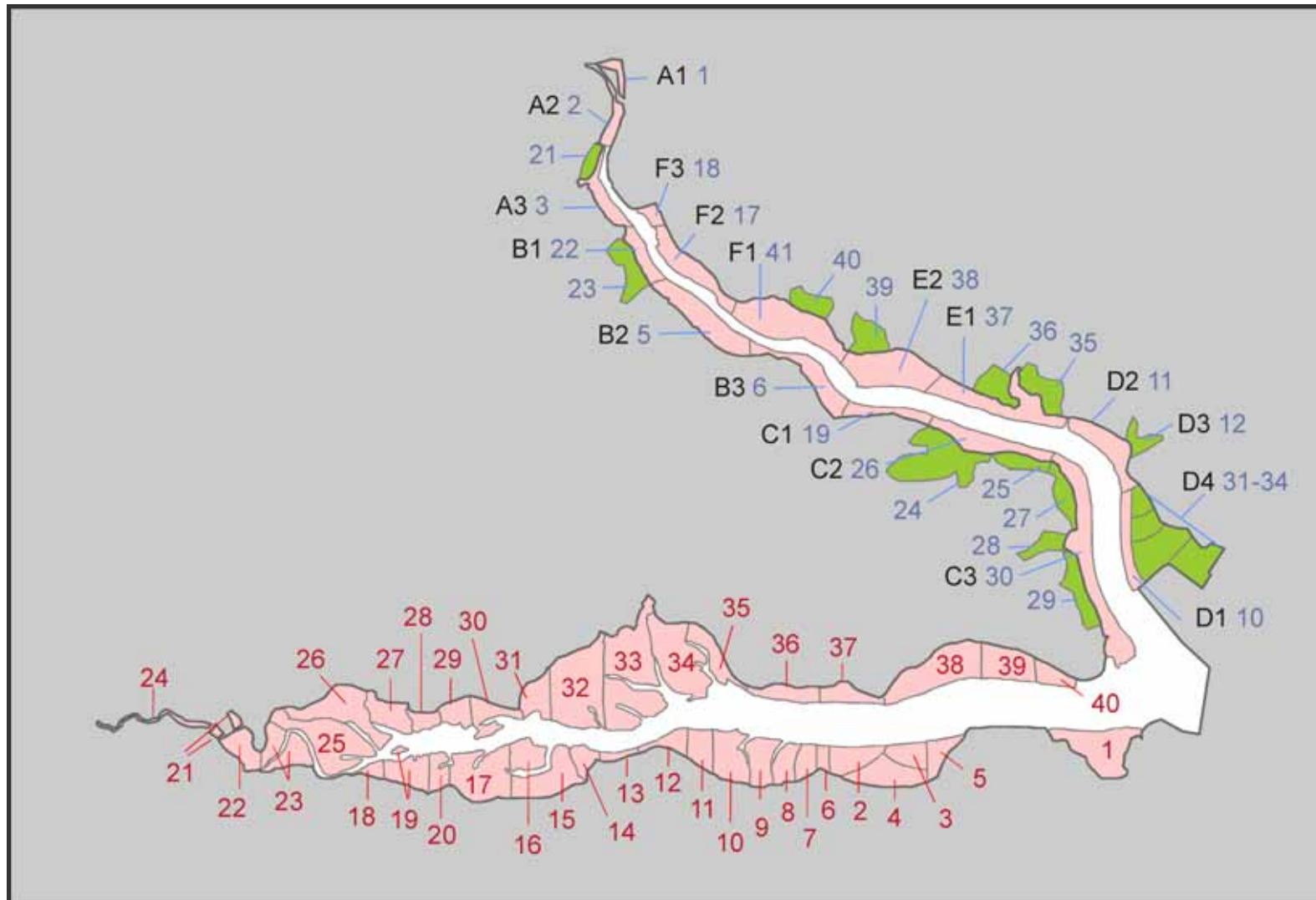
Increasing population



Increasing proportion of estuary population



Appendix 1: Count sections of the Orwell (blue numbers) and Stour (red numbers). The Orwell was counted originally in 18 sections (A1-F3 in black) and re-numbered when sections of hinterland were added (green). Section D4 was sub-divided at this time.



Appendix 2: Statistical analysis.

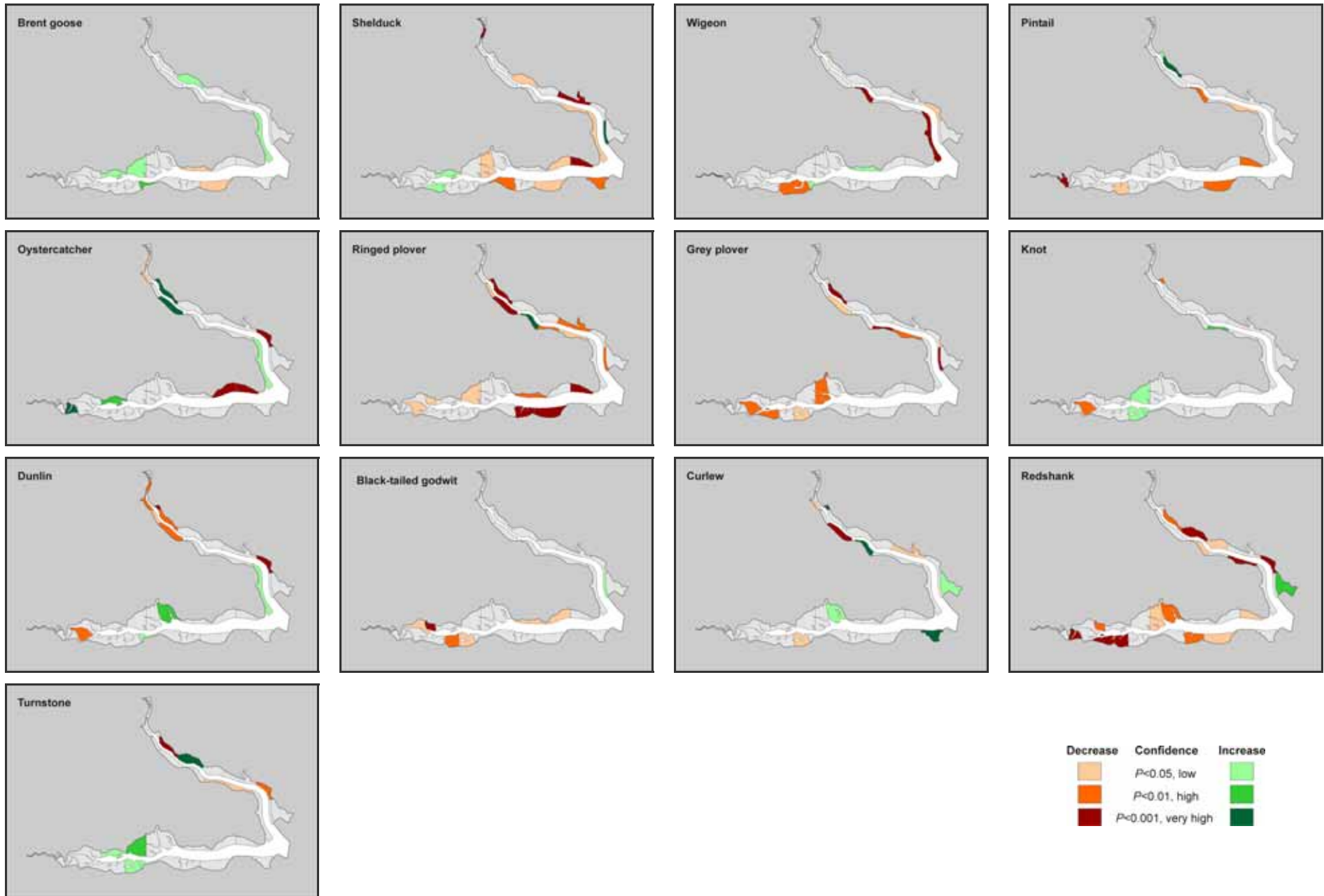
All raw data are in appendix 4. The statistical test used was non-parametric correlation (Spearman's r). A non-parametric test was used in preference to the parametric equivalent (Pearson's) in order to reduce the effect of large annual variations in section populations that may have been caused by external factors such as weather or summer breeding success. A non-parametric test also permits the analyses of the proportional data that were used to assess trends in the relative importance of each section. Non-parametric tests rank data – in this case, the populations or proportions of birds in a section in the 19 winters between 1996/97 and 2014/15 are ranked and compared with the rank of their winter.

The test produces a test statistic to which is attached a probability that a relationship exists (in this case between bird population size or proportion and winter). It is standard practice to show probabilities in a series of levels that represent the degree of confidence in the relationship. Generally, a probability of greater than 95% is evidence that a relationship exists (usually shown as $P < 0.05$, indicating a chance of less than 5% chance that it doesn't), and the higher the probability the greater the confidence in the relationship.

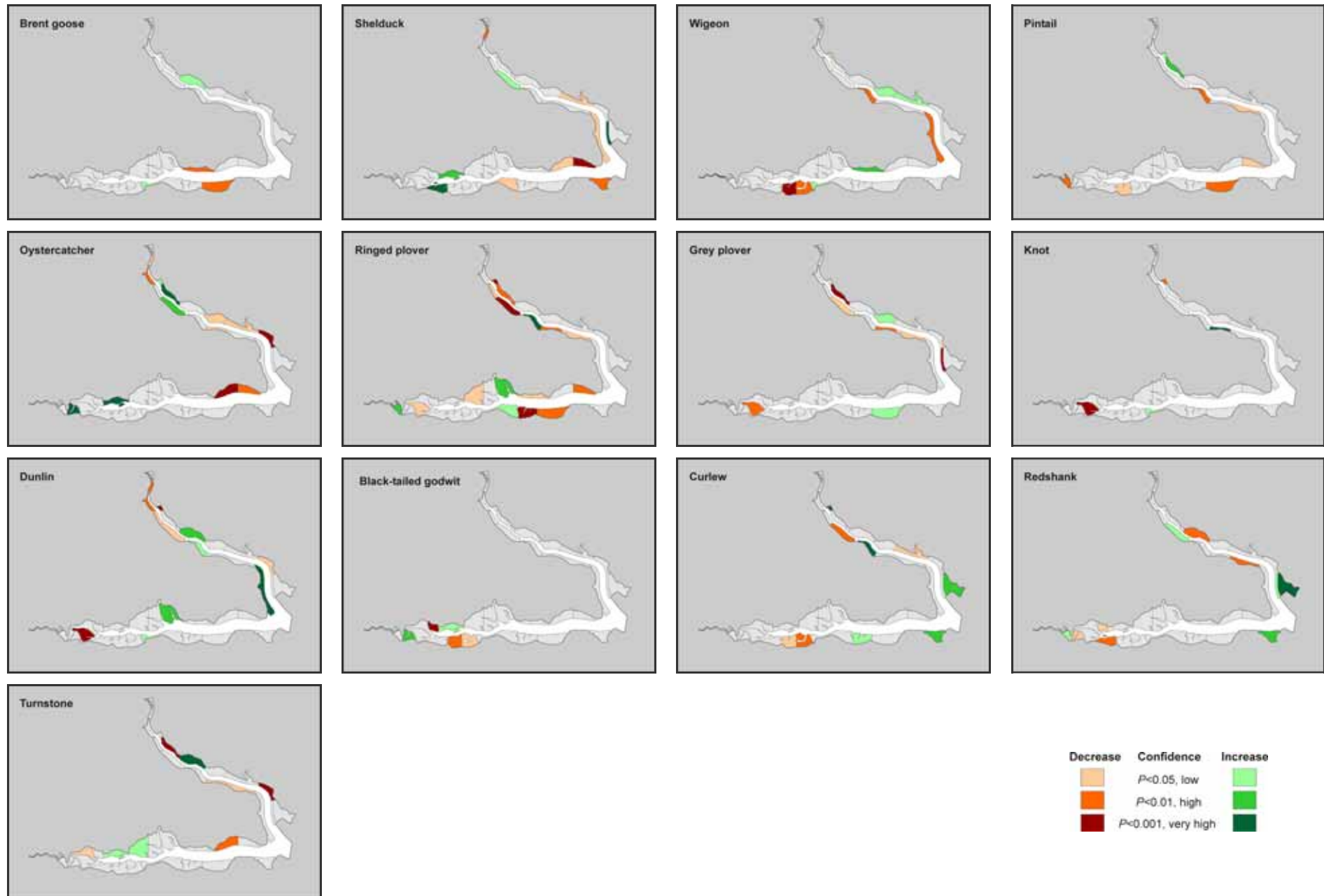
For this study, owing to the large number of tests that have been conducted and the importance of identifying unequivocal trends, the threshold of confidence for the existence of a trend has been set to $P < 0.01$ i.e. there is a probability of >99% that the trends shown in the species maps exist.

Appendix 3 shows these maps with the additional relationships that result from a standard threshold of 95%, and separates trends into three levels of confidence: >95% (or $P < 0.05$, low); >99% (or $P < 0.01$, high); and >99.9% (or $P < 0.001$, very high).

Appendix 3A: Expanded array of relationships showing three levels of confidence (see appendix 2): changes in winter section populations 1996-2015.

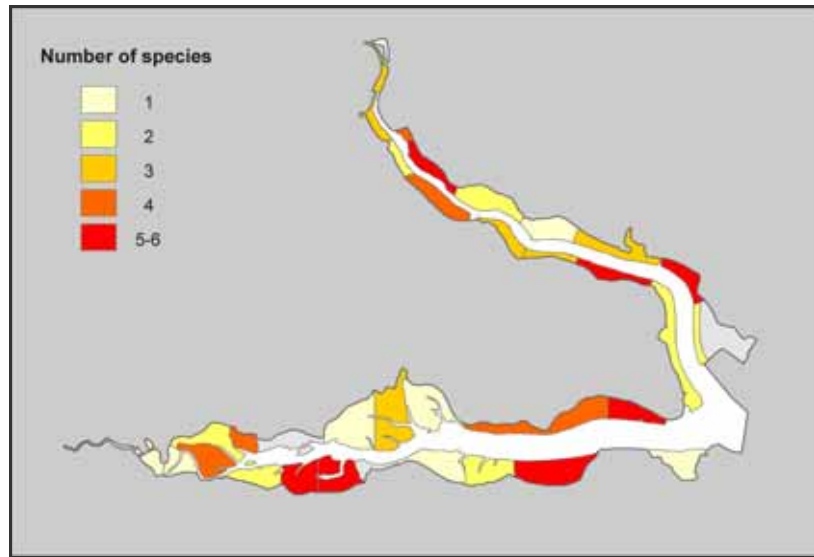


Appendix 3B: Expanded array of relationships showing three levels of confidence (see appendix 2): changes in winter section proportions 1996-2015.

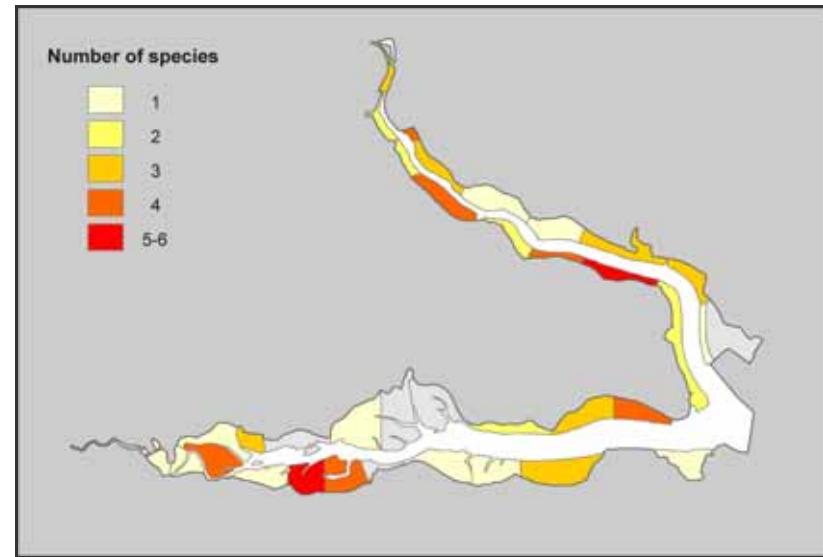


Appendix 3C: Cumulative trends from the expanded array of relationships.

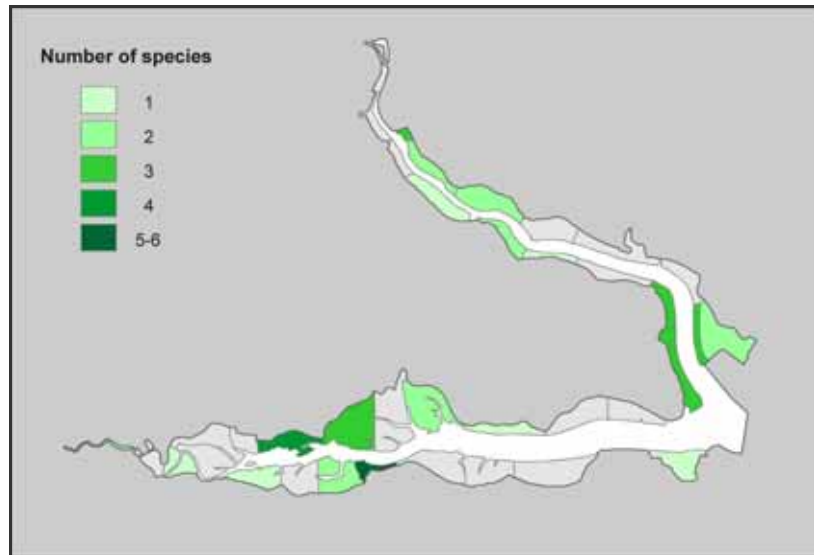
Decreasing population



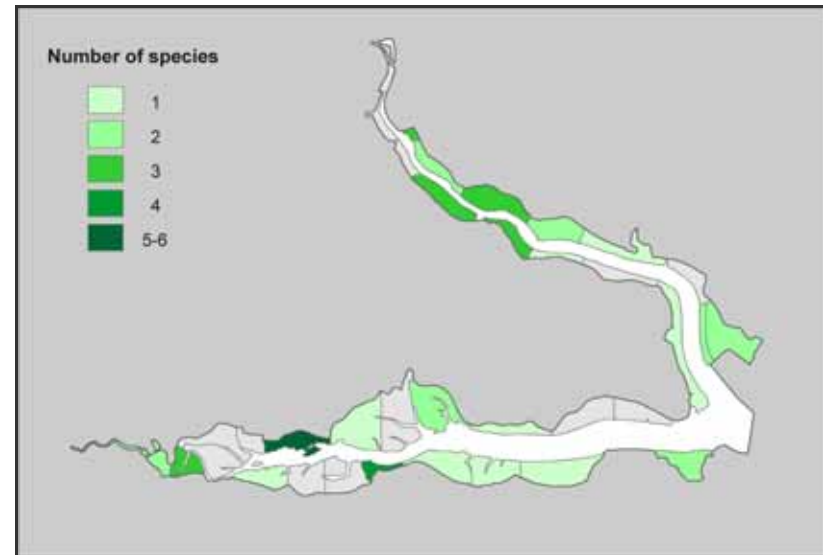
Decreasing proportion of estuary population



Increasing population



Increasing proportion of estuary population



Appendix 4: Raw section data
Brent goose: mean numbers

STOUR		Section																					
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40	Total
1996/97	1	42.50	15.00	64.50	43.50	21.50	124.00	62.00	156.50	0.00	0.00	0.00	80.00	67.50	2.00	0.00	25.50	10.00	96.00	341.50	76.00	109.00	1337.00
1999/00	2	25.33	14.33	118.33	71.67	12.00	30.00	4.00	0.00	0.00	0.00	0.00	0.00	40.00	215.00	20.00	41.67	96.00	94.00	250.00	0.00	107.00	1139.33
2000/01	3	21.33	12.33	98.33	63.00	6.67	26.67	52.00	25.33	0.00	0.00	0.00	0.00	2.00	147.00	14.33	20.00	14.67	70.00	334.00	22.67	83.67	1014.00
2001/02	4	35.75	22.75	62.25	19.00	17.50	61.50	53.00	60.25	0.00	6.25	0.00	40.25	10.25	29.50	164.50	5.75	286.50	3.25	263.25	12.75	51.50	1205.75
2002/03	5	22.50	14.00	12.00	51.75	3.50	53.00	123.25	141.50	0.00	0.00	0.00	3.00	0.00	150.25	1.25	14.75	31.75	25.25	256.75	7.50	69.50	981.50
2003/04	6	7.25	10.00	38.00	62.00	15.50	57.00	57.25	249.50	0.00	6.50	0.00	17.50	0.00	101.75	9.75	21.00	60.75	157.75	176.75	12.50	82.50	1143.25
2004/05	7	15.25	21.50	26.25	30.75	14.25	48.25	32.75	56.25	0.00	3.25	0.00	2.75	2.25	0.00	8.25	32.00	11.00	36.50	250.75	106.50	161.25	859.75
2005/06	8	1.00	2.00	15.50	92.25	26.00	76.50	30.25	82.75	0.00	2.25	1.00	11.00	0.75	3.25	73.00	34.25	14.25	30.25	151.00	43.75	130.25	821.25
2006/07	9	18.00	4.25	46.00	50.75	5.25	64.75	136.75	187.25	0.00	0.25	0.25	19.75	12.75	0.25	21.25	28.25	13.00	65.00	320.75	105.75	24.75	1125.00
2007/08	10	0.00	0.00	30.00	73.50	5.00	250.00	65.00	48.00	0.00	0.00	0.00	1.00	1.00	93.00	26.50	39.00	68.00	516.00	306.50	0.00	74.00	1596.50
2008/09	11	40.00	2.67	46.67	64.00	21.67	82.67	203.33	10.00	0.00	11.00	0.00	4.00	129.00	28.33	33.00	145.33	100.00	129.33	132.00	35.00	127.67	1345.67
2009/10	12	12.00	0.75	39.25	199.25	61.75	113.25	92.00	243.25	0.00	1.25	0.00	15.50	4.25	5.50	65.25	93.50	28.50	120.75	314.50	89.75	89.50	1589.75
2010/11	13	47.50	1.25	163.00	68.25	71.50	173.25	119.50	55.50	0.00	0.00	0.00	5.25	0.25	32.75	100.00	85.75	32.25	275.50	92.50	105.50	39.50	1469.00
2011/12	14	16.00	4.00	10.50	113.75	21.00	27.75	6.25	3.75	0.00	0.25	37.50	1.00	5.00	0.00	40.75	299.75	704.25	329.00	32.50	30.00	16.75	1699.75
2012/13	15	43.00	21.50	118.50	248.50	75.50	19.50	3.50	3.50	0.00	0.00	37.50	129.00	25.50	79.50	101.50	247.50	182.50	185.50	230.00	73.00	55.00	1880.00
2013/14	16	52.00	2.67	26.00	26.00	54.67	19.00	5.33	172.67	0.00	0.00	0.00	0.67	6.33	225.00	10.33	27.33	129.33	63.33	244.33	181.33	122.67	1369.00
2014/15	17	0.00	0.67	2.67	54.67	84.00	7.33	38.33	469.00	0.00	0.00	0.00	43.33	62.67	0.00	169.67	26.67	74.00	136.67	236.67	0.00	241.33	1647.67

ORWELL		Section																
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	Total
1996/97	1	0.00	0.00	0.00	0.00	5.33	9.67	29.67	623.33	0.00	41.33	0.00	0.33	0.00	0.00	0.00	0.00	709.67
1997/98	2	0.00	0.00	0.00	0.00	0.00	1.40	252.80	226.00	8.40	40.20	32.20	72.00	28.80	3.80	0.00	0.00	665.60
1998/99	3	0.00	0.00	0.00	0.00	3.67	0.00	532.33	183.33	0.67	12.00	129.67	56.00	11.33	2.33	9.00	0.00	940.33
1999/00	4	0.00	0.00	0.00	0.00	0.00	1.50	266.25	631.75	10.75	24.50	209.25	32.00	1.25	3.25	0.00	0.00	1180.50
2000/01	5	0.00	0.00	0.00	0.25	0.00	0.50	23.00	468.75	21.50	2.00	296.75	5.50	0.00	0.00	1.25	0.00	819.50
2001/02	6	0.00	0.00	0.00	0.00	0.00	0.00	6.00	219.75	26.50	0.75	291.25	180.00	0.00	1.50	3.25	0.00	729.00
2002/03	7	0.00	0.00	0.00	0.75	0.00	1.00	12.75	474.75	0.00	2.25	342.25	12.75	26.00	8.25	7.75	0.00	888.50
2003/04	8	0.00	0.00	0.00	0.00	0.00	0.25	18.00	490.00	0.00	44.00	85.00	41.50	0.00	62.50	0.00	0.00	741.25
2004/05	9	0.00	0.00	0.00	0.00	0.00	0.00	1080.50	714.00	0.00	4.00	16.00	56.50	0.00	115.00	0.00	0.00	1986.00
2005/06	10	0.00	0.00	0.00	0.00	0.00	0.00	88.67	466.33	0.00	171.00	57.67	54.00	0.00	6.67	2.67	0.00	847.00
2006/07	11	0.00	0.00	0.00	0.00	0.00	0.00	48.75	537.25	0.00	34.75	209.50	25.75	0.00	1.75	0.00	0.00	857.75
2007/08	12	0.00	0.00	0.00	0.00	0.00	0.00	472.33	404.00	3.00	182.33	38.33	1.67	0.00	0.00	2.33	0.00	1104.00
2008/09	13	0.00	0.00	0.00	0.00	0.00	0.00	58.75	467.00	9.50	25.75	45.00	19.00	56.00	1.00	0.00	0.00	682.00
2009/10	14	0.00	0.00	49.00	0.00	1.67	0.00	183.67	928.00	7.00	3.00	25.33	20.00	14.67	9.33	3.00	0.00	1244.67
2010/11	15	0.00	0.00	0.00	0.00	1.33	0.00	246.67	473.33	0.00	1.00	287.33	1.00	0.00	38.00	2.33	0.00	1051.00
2011/12	16	0.00	0.00	0.00	0.00	0.00	0.00	63.00	569.67	16.00	0.67	3.00	184.33	0.00	120.67	0.00	0.00	957.33
2012/13	17	0.00	0.00	0.00	0.00	0.00	0.00	147.00	595.67	8.00	3.33	3.00	109.33	22.33	6.00	4.00	0.00	898.67
2013/14	18	0.00	0.00	0.00	0.00	0.00	31.50	446.75	747.75	0.25	0.00	3.00	8.75	2.75	16.00	1.50	0.00	1258.25
2014/15	19	0.00	1.67	0.00	0.00	0.00	0.33	84.00	748.33	4.00	159.33	120.33	98.33	12.00	51.67	0.00	0.00	1280.00

Brent goose: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	3.18	1.12	4.82	3.25	1.61	9.27	4.64	11.71	0.00	0.00	0.00	5.98	5.05	0.15	0.00	1.91	0.75	7.18	25.54	5.68	8.15
1999/00	2	2.22	1.26	10.39	6.29	1.05	2.63	0.35	0.00	0.00	0.00	0.00	0.00	3.51	18.87	1.76	3.66	8.43	8.25	21.94	0.00	9.39
2000/01	3	2.10	1.22	9.70	6.21	0.66	2.63	5.13	2.50	0.00	0.00	0.00	0.00	0.20	14.50	1.41	1.97	1.45	6.90	32.94	2.24	8.25
2001/02	4	2.96	1.89	5.16	1.58	1.45	5.10	4.40	5.00	0.00	0.52	0.00	3.34	0.85	2.45	13.64	0.48	23.76	0.27	21.83	1.06	4.27
2002/03	5	2.29	1.43	1.22	5.27	0.36	5.40	12.56	14.42	0.00	0.00	0.00	0.31	0.00	15.31	0.13	1.50	3.23	2.57	26.16	0.76	7.08
2003/04	6	0.63	0.87	3.32	5.42	1.36	4.99	5.01	21.82	0.00	0.57	0.00	1.53	0.00	8.90	0.85	1.84	5.31	13.80	15.46	1.09	7.22
2004/05	7	1.77	2.50	3.05	3.58	1.66	5.61	3.81	6.54	0.00	0.38	0.00	0.32	0.26	0.00	0.96	3.72	1.28	4.25	29.17	12.39	18.76
2005/06	8	0.12	0.24	1.89	11.23	3.17	9.32	3.68	10.08	0.00	0.27	0.12	1.34	0.09	0.40	8.89	4.17	1.74	3.68	18.39	5.33	15.86
2006/07	9	1.60	0.38	4.09	4.51	0.47	5.76	12.16	16.64	0.00	0.02	0.02	1.76	1.13	0.02	1.89	2.51	1.16	5.78	28.51	9.40	2.20
2007/08	10	0.00	0.00	1.88	4.60	0.31	15.66	4.07	3.01	0.00	0.00	0.00	0.06	0.06	5.83	1.66	2.44	4.26	32.32	19.20	0.00	4.64
2008/09	11	2.97	0.20	3.47	4.76	1.61	6.14	15.11	0.74	0.00	0.82	0.00	0.30	9.59	2.11	2.45	10.80	7.43	9.61	9.81	2.60	9.49
2009/10	12	0.75	0.05	2.47	12.53	3.88	7.12	5.79	15.30	0.00	0.08	0.00	0.97	0.27	0.35	4.10	5.88	1.79	7.60	19.78	5.65	5.63
2010/11	13	3.23	0.09	11.10	4.65	4.87	11.79	8.13	3.78	0.00	0.00	0.00	0.36	0.02	2.23	6.81	5.84	2.20	18.75	6.30	7.18	2.69
2011/12	14	0.94	0.24	0.62	6.69	1.24	1.63	0.37	0.22	0.00	0.01	2.21	0.06	0.29	0.00	2.40	17.63	41.43	19.36	1.91	1.76	0.99
2012/13	15	2.29	1.14	6.30	13.22	4.02	1.04	0.19	0.19	0.00	0.00	1.99	6.86	1.36	4.23	5.40	13.16	9.71	9.87	12.23	3.88	2.93
2013/14	16	3.80	0.19	1.90	1.90	3.99	1.39	0.39	12.61	0.00	0.00	0.00	0.05	0.46	16.44	0.75	2.00	9.45	4.63	17.85	13.25	8.96
2014/15	17	0.00	0.04	0.16	3.32	5.10	0.45	2.33	28.46	0.00	0.00	0.00	2.63	3.80	0.00	10.30	1.62	4.49	8.29	14.36	0.00	14.65

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.00	0.00	0.00	0.00	0.75	1.36	4.18	87.83	0.00	5.82	0.00	0.05	0.00	0.00	0.00	0.00
1997/98	2	0.00	0.00	0.00	0.00	0.00	0.21	37.98	33.95	1.26	6.04	4.84	10.82	4.33	0.57	0.00	0.00
1998/99	3	0.00	0.00	0.00	0.00	0.39	0.00	56.61	19.50	0.07	1.28	13.79	5.96	1.21	0.25	0.96	0.00
1999/00	4	0.00	0.00	0.00	0.00	0.00	0.13	22.55	53.52	0.91	2.08	17.73	2.71	0.11	0.28	0.00	0.00
2000/01	5	0.00	0.00	0.00	0.03	0.00	0.06	2.81	57.20	2.62	0.24	36.21	0.67	0.00	0.00	0.15	0.00
2001/02	6	0.00	0.00	0.00	0.00	0.00	0.00	0.82	30.14	3.64	0.10	39.95	24.69	0.00	0.21	0.45	0.00
2002/03	7	0.00	0.00	0.00	0.08	0.00	0.11	1.44	53.43	0.00	0.25	38.52	1.44	2.93	0.93	0.87	0.00
2003/04	8	0.00	0.00	0.00	0.00	0.00	0.03	2.43	66.10	0.00	5.94	11.47	5.60	0.00	8.43	0.00	0.00
2004/05	9	0.00	0.00	0.00	0.00	0.00	0.00	54.41	35.95	0.00	0.20	0.81	2.84	0.00	5.79	0.00	0.00
2005/06	10	0.00	0.00	0.00	0.00	0.00	0.00	10.47	55.06	0.00	20.19	6.81	6.38	0.00	0.79	0.31	0.00
2006/07	11	0.00	0.00	0.00	0.00	0.00	0.00	5.68	62.63	0.00	4.05	24.42	3.00	0.00	0.20	0.00	0.00
2007/08	12	0.00	0.00	0.00	0.00	0.00	0.00	42.78	36.59	0.27	16.52	3.47	0.15	0.00	0.00	0.21	0.00
2008/09	13	0.00	0.00	0.00	0.00	0.00	0.00	8.61	68.48	1.39	3.78	6.60	2.79	8.21	0.15	0.00	0.00
2009/10	14	0.00	0.00	3.94	0.00	0.13	0.00	14.76	74.56	0.56	0.24	2.04	1.61	1.18	0.75	0.24	0.00
2010/11	15	0.00	0.00	0.00	0.00	0.13	0.00	23.47	45.04	0.00	0.10	27.34	0.10	0.00	3.62	0.22	0.00
2011/12	16	0.00	0.00	0.00	0.00	0.00	0.00	6.58	59.51	1.67	0.07	0.31	19.25	0.00	12.60	0.00	0.00
2012/13	17	0.00	0.00	0.00	0.00	0.00	0.00	16.36	66.28	0.89	0.37	0.33	12.17	2.49	0.67	0.45	0.00
2013/14	18	0.00	0.00	0.00	0.00	0.00	2.50	35.51	59.43	0.02	0.00	0.24	0.70	0.22	1.27	0.12	0.00
2014/15	19	0.00	0.13	0.00	0.00	0.00	0.03	6.56	58.46	0.31	12.45	9.40	7.68	0.94	4.04	0.00	0.00

Shelduck: mean numbers

STOUR		Section																					
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40	Total
1996/97	1	121.00	112.00	53.50	35.00	0.00	20.00	105.00	171.50	11.50	21.00	0.00	409.50	424.50	59.00	53.00	73.50	49.00	29.50	17.00	4.00	68.00	1837.50
1999/00	2	142.67	81.67	68.00	115.00	1.00	24.00	137.33	146.00	24.00	81.67	4.00	291.00	372.33	101.33	24.67	86.33	36.67	53.33	55.33	21.33	39.33	1907.00
2000/01	3	139.00	29.00	208.00	131.67	5.67	255.00	203.33	108.00	0.67	33.67	2.00	90.00	38.33	75.67	97.33	156.33	45.00	82.00	53.00	21.33	77.67	1852.67
2001/02	4	160.50	41.75	119.00	75.25	9.75	84.00	155.75	55.00	5.75	29.75	1.00	96.75	41.25	30.50	25.00	58.25	65.00	49.75	28.00	36.50	17.50	1186.00
2002/03	5	229.00	143.50	122.50	93.00	2.25	66.75	138.75	81.75	0.25	12.50	1.75	190.75	62.00	124.25	82.50	105.75	46.50	54.50	18.00	12.25	22.00	1610.50
2003/04	6	157.00	62.75	76.25	80.50	1.25	77.25	90.75	85.50	17.75	11.50	1.75	111.00	37.75	59.50	41.00	213.75	41.25	38.00	8.50	113.50	44.25	1370.75
2004/05	7	150.75	9.75	134.00	119.25	6.75	67.25	68.25	59.00	4.75	12.75	1.50	323.50	141.00	75.25	84.00	158.25	18.50	58.75	13.00	4.75	35.50	1546.50
2005/06	8	112.25	9.25	100.25	89.25	0.75	19.50	51.50	81.00	6.75	6.25	0.50	137.25	79.50	95.00	154.00	67.25	27.25	43.00	4.25	27.25	55.75	1167.75
2006/07	9	141.50	11.50	196.25	153.25	0.50	9.50	86.50	178.00	1.25	40.25	0.25	210.25	73.00	245.50	77.75	61.50	29.00	23.75	2.75	3.75	31.50	1577.50
2007/08	10	205.50	6.00	179.50	67.50	15.00	82.50	175.00	240.00	29.50	43.00	12.50	78.50	143.00	181.00	260.00	185.00	21.00	58.00	19.50	11.00	22.50	2035.50
2008/09	11	79.33	0.67	199.33	57.00	4.00	101.00	291.67	381.00	4.00	137.00	0.00	160.00	147.00	184.33	182.33	200.33	29.33	49.00	3.67	0.33	17.33	2228.67
2009/10	12	68.25	14.25	109.75	89.50	0.75	27.75	127.00	353.75	6.50	52.75	1.25	301.25	70.75	219.25	109.00	175.75	23.75	74.75	15.50	27.50	23.75	1892.75
2010/11	13	97.00	20.75	120.25	29.50	2.00	30.00	71.75	345.75	9.25	102.25	5.75	113.50	52.25	72.75	170.75	160.50	22.50	83.50	18.00	11.50	17.25	1556.75
2011/12	14	67.00	23.50	40.50	43.75	1.00	41.75	122.25	273.25	30.00	99.25	0.50	79.75	41.75	34.50	206.00	129.25	28.50	41.25	11.25	10.50	28.50	1354.00
2012/13	15	56.50	23.50	30.00	8.00	2.50	33.50	137.00	76.50	20.00	71.50	0.00	115.50	104.00	34.50	105.50	43.00	12.50	33.00	18.00	1.00	4.00	930.00
2013/14	16	45.00	39.67	101.67	34.33	5.33	59.67	154.33	222.00	0.67	24.00	0.33	285.00	178.33	33.00	32.00	41.67	70.00	21.00	6.67	0.00	1.00	1355.67
2014/15	17	93.00	7.67	107.67	21.67	5.33	86.67	162.33	542.67	1.33	6.33	1.33	285.67	43.00	78.00	362.67	311.67	21.67	59.67	17.33	3.33	0.67	2219.67

ORWELL		Section																
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	Total
1996/97	1	36.67	51.00	18.00	58.67	68.67	24.33	33.00	17.67	0.00	20.33	11.67	65.00	142.33	174.67	69.00	11.33	802.33
1997/98	2	57.00	57.20	14.60	57.40	44.60	20.20	32.80	17.40	0.60	57.80	10.00	20.40	120.80	160.00	86.40	22.60	779.80
1998/99	3	39.33	31.00	11.33	51.33	51.00	33.67	9.67	16.67	0.67	7.67	11.67	42.67	54.67	73.00	41.00	32.67	508.00
1999/00	4	40.50	31.00	8.50	37.75	20.25	6.00	11.25	34.75	0.75	5.75	14.75	41.75	83.50	135.25	28.25	14.25	514.25
2000/01	5	7.75	42.00	16.25	38.75	23.50	11.25	22.75	16.25	2.75	15.50	10.25	42.50	20.25	90.25	95.50	1.25	456.75
2001/02	6	7.75	25.75	2.00	46.75	18.50	9.25	43.50	14.00	1.00	13.50	38.25	31.00	67.50	117.25	37.50	45.00	518.50
2002/03	7	2.50	62.75	3.25	19.25	28.00	16.00	35.00	16.25	2.00	40.25	23.00	23.25	91.50	68.00	97.25	21.25	549.50
2003/04	8	7.75	46.50	11.50	44.25	19.25	9.25	28.50	30.25	0.00	8.50	54.50	45.25	72.75	56.25	63.00	19.00	516.50
2004/05	9	3.00	54.50	2.50	69.50	51.00	0.50	6.00	28.00	0.00	16.50	34.50	54.50	29.00	35.00	82.50	13.50	480.50
2005/06	10	0.00	29.00	0.00	54.33	12.33	0.67	2.00	4.67	0.00	19.00	25.00	35.00	74.67	53.33	60.33	6.00	376.33
2006/07	11	5.25	18.25	2.00	62.50	66.50	3.00	3.50	12.25	1.00	29.25	77.75	29.25	126.25	27.75	73.50	22.00	560.00
2007/08	12	3.33	34.00	0.67	5.33	21.33	1.67	7.00	6.00	8.67	44.33	42.00	41.33	113.33	100.67	93.67	14.67	538.00
2008/09	13	0.75	62.75	8.50	21.50	8.00	6.00	9.50	4.75	3.50	39.75	15.50	21.75	101.00	159.75	96.25	1.75	561.00
2009/10	14	0.00	88.33	0.00	60.67	61.33	3.00	32.00	6.00	5.67	57.00	63.33	25.67	114.67	61.67	68.67	17.33	665.33
2010/11	15	1.67	40.00	20.67	60.67	12.67	1.00	0.00	36.67	13.33	35.33	7.67	28.00	178.67	170.33	82.33	28.33	717.33
2011/12	16	4.67	46.67	22.00	112.00	26.00	5.67	0.33	11.33	19.67	61.67	24.67	13.67	111.33	104.67	59.33	4.33	628.00
2012/13	17	0.67	39.00	15.33	43.67	24.67	8.33	6.00	9.67	30.67	28.67	39.33	11.33	56.67	36.67	70.33	9.00	430.00
2013/14	18	0.50	14.50	8.00	94.75	47.25	12.50	34.75	7.00	6.00	4.00	29.75	10.50	22.25	46.75	26.50	13.00	378.00
2014/15	19	6.00	2.33	0.00	91.00	46.67	24.67	3.33	7.00	14.00	11.00	15.00	9.33	45.33	32.33	38.33	0.00	346.33

Shelduck: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	6.59	6.10	2.91	1.90	0.00	1.09	5.71	9.33	0.63	1.14	0.00	22.29	23.10	3.21	2.88	4.00	2.67	1.61	0.93	0.22	3.70
1999/00	2	7.48	4.28	3.57	6.03	0.05	1.26	7.20	7.66	1.26	4.28	0.21	15.26	19.52	5.31	1.29	4.53	1.92	2.80	2.90	1.12	2.06
2000/01	3	7.50	1.57	11.23	7.11	0.31	13.76	10.98	5.83	0.04	1.82	0.11	4.86	2.07	4.08	5.25	8.44	2.43	4.43	2.86	1.15	4.19
2001/02	4	13.53	3.52	10.03	6.34	0.82	7.08	13.13	4.64	0.48	2.51	0.08	8.16	3.48	2.57	2.11	4.91	5.48	4.19	2.36	3.08	1.48
2002/03	5	14.22	8.91	7.61	5.77	0.14	4.14	8.62	5.08	0.02	0.78	0.11	11.84	3.85	7.71	5.12	6.57	2.89	3.38	1.12	0.76	1.37
2003/04	6	11.45	4.58	5.56	5.87	0.09	5.64	6.62	6.24	1.29	0.84	0.13	8.10	2.75	4.34	2.99	15.59	3.01	2.77	0.62	8.28	3.23
2004/05	7	9.75	0.63	8.66	7.71	0.44	4.35	4.41	3.82	0.31	0.82	0.10	20.92	9.12	4.87	5.43	10.23	1.20	3.80	0.84	0.31	2.30
2005/06	8	9.61	0.79	8.58	7.64	0.06	1.67	4.41	6.94	0.58	0.54	0.04	11.75	6.81	8.14	13.19	5.76	2.33	3.68	0.36	2.33	4.77
2006/07	9	8.97	0.73	12.44	9.71	0.03	0.60	5.48	11.28	0.08	2.55	0.02	13.33	4.63	15.56	4.93	3.90	1.84	1.51	0.17	0.24	2.00
2007/08	10	10.10	0.29	8.82	3.32	0.74	4.05	8.60	11.79	1.45	2.11	0.61	3.86	7.03	8.89	12.77	9.09	1.03	2.85	0.96	0.54	1.11
2008/09	11	3.56	0.03	8.94	2.56	0.18	4.53	13.09	17.10	0.18	6.15	0.00	7.18	6.60	8.27	8.18	8.99	1.32	2.20	0.16	0.01	0.78
2009/10	12	3.61	0.75	5.80	4.73	0.04	1.47	6.71	18.69	0.34	2.79	0.07	15.92	3.74	11.58	5.76	9.29	1.25	3.95	0.82	1.45	1.25
2010/11	13	6.23	1.33	7.72	1.89	0.13	1.93	4.61	22.21	0.59	6.57	0.37	7.29	3.36	4.67	10.97	10.31	1.45	5.36	1.16	0.74	1.11
2011/12	14	4.95	1.74	2.99	3.23	0.07	3.08	9.03	20.18	2.22	7.33	0.04	5.89	3.08	2.55	15.21	9.55	2.10	3.05	0.83	0.78	2.10
2012/13	15	6.08	2.53	3.23	0.86	0.27	3.60	14.73	8.23	2.15	7.69	0.00	12.42	11.18	3.71	11.34	4.62	1.34	3.55	1.94	0.11	0.43
2013/14	16	3.32	2.93	7.50	2.53	0.39	4.40	11.38	16.38	0.05	1.77	0.02	21.02	13.15	2.43	2.36	3.07	5.16	1.55	0.49	0.00	0.07
2014/15	17	4.19	0.35	4.85	0.98	0.24	3.90	7.31	24.45	0.06	0.29	0.06	12.87	1.94	3.51	16.34	14.04	0.98	2.69	0.78	0.15	0.03

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	4.57	6.36	2.24	7.31	8.56	3.03	4.11	2.20	0.00	2.53	1.45	8.10	17.74	21.77	8.60	1.41
1997/98	2	7.31	7.34	1.87	7.36	5.72	2.59	4.21	2.23	0.08	7.41	1.28	2.62	15.49	20.52	11.08	2.90
1998/99	3	7.74	6.10	2.23	10.10	10.04	6.63	1.90	3.28	0.13	1.51	2.30	8.40	10.76	14.37	8.07	6.43
1999/00	4	7.88	6.03	1.65	7.34	3.94	1.17	2.19	6.76	0.15	1.12	2.87	8.12	16.24	26.30	5.49	2.77
2000/01	5	1.70	9.20	3.56	8.48	5.15	2.46	4.98	3.56	0.60	3.39	2.24	9.30	4.43	19.76	20.91	0.27
2001/02	6	1.49	4.97	0.39	9.02	3.57	1.78	8.39	2.70	0.19	2.60	7.38	5.98	13.02	22.61	7.23	8.68
2002/03	7	0.45	11.42	0.59	3.50	5.10	2.91	6.37	2.96	0.36	7.32	4.19	4.23	16.65	12.37	17.70	3.87
2003/04	8	1.50	9.00	2.23	8.57	3.73	1.79	5.52	5.86	0.00	1.65	10.55	8.76	14.09	10.89	12.20	3.68
2004/05	9	0.62	11.34	0.52	14.46	10.61	0.10	1.25	5.83	0.00	3.43	7.18	11.34	6.04	7.28	17.17	2.81
2005/06	10	0.00	7.71	0.00	14.44	3.28	0.18	0.53	1.24	0.00	5.05	6.64	9.30	19.84	14.17	16.03	1.59
2006/07	11	0.94	3.26	0.36	11.16	11.88	0.54	0.63	2.19	0.18	5.22	13.88	5.22	22.54	4.96	13.13	3.93
2007/08	12	0.62	6.32	0.12	0.99	3.97	0.31	1.30	1.12	1.61	8.24	7.81	7.68	21.07	18.71	17.41	2.73
2008/09	13	0.13	11.19	1.52	3.83	1.43	1.07	1.69	0.85	0.62	7.09	2.76	3.88	18.00	28.48	17.16	0.31
2009/10	14	0.00	13.28	0.00	9.12	9.22	0.45	4.81	0.90	0.85	8.57	9.52	3.86	17.23	9.27	10.32	2.61
2010/11	15	0.23	5.58	2.88	8.46	1.77	0.14	0.00	5.11	1.86	4.93	1.07	3.90	24.91	23.75	11.48	3.95
2011/12	16	0.74	7.43	3.50	17.83	4.14	0.90	0.05	1.80	3.13	9.82	3.93	2.18	17.73	16.67	9.45	0.69
2012/13	17	0.16	9.07	3.57	10.16	5.74	1.94	1.40	2.25	7.13	6.67	9.15	2.64	13.18	8.53	16.36	2.09
2013/14	18	0.13	3.84	2.12	25.07	12.50	3.31	9.19	1.85	1.59	1.06	7.87	2.78	5.89	12.37	7.01	3.44
2014/15	19	1.73	0.67	0.00	26.28	13.47	7.12	0.96	2.02	4.04	3.18	4.33	2.69	13.09	9.34	11.07	0.00

Wigeon: mean numbers

STOUR		Section																				Total	
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38		39-40
1996/97	1	0.00	98.50	243.00	155.50	42.00	220.00	157.00	242.00	16.50	355.00	48.50	102.00	204.50	69.50	253.00	407.50	220.00	155.00	89.00	36.00	161.50	3276.00
1999/00	2	0.00	62.67	29.00	93.00	64.00	180.33	185.00	147.00	12.33	13.00	2.33	27.67	194.67	71.33	172.00	79.00	83.00	79.67	112.00	220.33	156.33	1984.67
2000/01	3	0.00	168.00	212.00	95.67	89.33	413.67	806.33	103.33	76.33	53.00	0.33	58.33	103.33	61.33	505.33	162.67	109.33	73.33	49.33	272.67	162.00	3575.67
2001/02	4	0.00	149.00	16.75	18.25	63.75	165.75	338.75	135.75	57.00	11.50	98.00	68.00	120.25	59.25	177.50	128.50	116.75	33.25	48.50	340.00	94.75	2241.25
2002/03	5	0.25	101.00	85.50	30.25	65.25	123.50	237.00	157.75	76.75	3.00	7.50	168.00	121.25	332.75	130.00	107.75	210.75	69.75	170.00	198.50	139.75	2536.25
2003/04	6	0.00	96.25	79.75	8.00	68.75	192.50	237.75	190.50	45.00	10.25	52.00	45.25	98.25	115.25	238.75	142.50	139.50	73.25	191.25	472.00	110.00	2606.75
2004/05	7	0.00	196.00	61.00	8.75	105.00	178.00	167.00	210.00	60.50	84.25	123.25	103.25	244.75	85.25	244.75	212.75	44.25	102.50	194.50	290.25	263.50	2979.50
2005/06	8	0.00	169.50	77.75	10.25	110.75	367.50	228.50	229.50	56.25	14.75	63.25	207.75	281.00	291.75	232.50	384.50	173.00	132.75	102.25	203.25	217.00	3553.75
2006/07	9	0.00	208.00	236.50	18.25	173.00	179.75	114.25	334.25	29.75	11.25	56.25	78.00	267.25	120.50	456.25	129.25	104.75	118.75	187.00	205.00	150.50	3178.50
2007/08	10	0.00	160.00	4.00	0.50	84.50	369.00	190.50	554.50	52.00	112.50	38.00	38.50	156.00	215.00	382.00	150.50	175.50	192.50	353.00	327.00	165.00	3720.50
2008/09	11	0.00	99.67	75.67	1.33	59.33	175.67	178.33	285.33	30.67	407.67	155.67	258.67	412.00	215.33	244.67	308.33	186.00	42.00	281.67	211.00	134.00	3763.00
2009/10	12	0.00	148.75	15.00	2.25	129.50	183.00	103.75	241.50	42.50	20.75	78.00	190.75	167.00	108.00	210.25	241.25	108.00	90.75	217.75	278.25	92.25	2669.25
2010/11	13	0.00	142.25	58.00	37.00	90.25	84.25	216.75	339.50	28.75	65.25	122.00	12.75	31.25	38.25	189.50	237.50	40.00	76.25	128.25	318.75	97.00	2353.50
2011/12	14	0.00	171.75	49.50	5.25	45.50	65.50	36.50	72.75	32.00	21.50	255.25	6.00	163.75	42.75	193.25	268.50	178.50	159.00	313.00	310.75	134.75	2525.75
2012/13	15	0.00	65.00	34.00	23.50	114.00	83.50	36.00	63.00	25.00	40.50	86.00	30.00	264.50	100.50	486.50	84.50	269.50	43.00	294.50	296.00	185.50	2625.00
2013/14	16	0.00	25.00	37.33	12.00	116.00	38.33	35.67	62.33	26.67	6.00	152.33	10.67	27.00	38.33	214.33	58.00	87.33	22.67	75.67	465.67	82.00	1593.33
2014/15	17	0.00	166.33	63.67	45.00	167.00	112.00	40.33	57.67	20.33	9.33	327.00	2.00	105.00	17.00	71.67	205.67	116.00	19.00	232.33	327.00	105.67	2210.00

ORWELL		Section															Total	
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2		F3
1996/97	1	0.00	4.67	50.00	59.33	57.67	160.67	296.00	199.33	78.00	134.00	580.00	250.33	30.33	47.67	43.33	0.00	1991.33
1997/98	2	0.00	0.80	40.00	66.80	80.00	145.60	116.80	52.20	13.60	80.40	306.00	135.80	17.40	64.60	75.00	19.40	1214.40
1998/99	3	0.00	10.33	22.00	25.33	31.33	82.00	267.67	80.00	24.33	68.33	422.00	88.33	4.00	63.00	73.00	17.67	1279.33
1999/00	4	0.00	11.75	4.50	28.25	21.75	22.75	204.25	63.75	2.50	70.25	584.25	113.75	3.00	64.00	91.00	32.00	1317.75
2000/01	5	0.00	0.00	7.00	25.75	22.25	4.75	304.25	165.00	32.75	50.75	575.00	137.25	59.50	47.25	50.50	24.00	1506.00
2001/02	6	0.50	8.25	4.25	53.75	46.25	24.00	304.25	153.00	17.00	57.50	929.00	96.50	24.50	51.50	42.00	24.75	1837.00
2002/03	7	0.50	16.50	30.75	9.00	55.00	39.75	410.00	176.75	83.50	99.25	1038.25	184.25	36.25	157.50	76.25	43.25	2456.75
2003/04	8	1.00	27.25	11.25	50.00	45.75	44.50	412.00	134.25	0.50	82.75	446.25	199.00	36.00	153.00	156.75	25.25	1825.50
2004/05	9	0.00	23.00	7.00	101.50	54.00	48.50	153.00	215.00	0.00	60.50	390.50	165.50	126.00	277.50	117.00	19.00	1758.00
2005/06	10	0.00	15.00	27.00	99.33	21.00	44.67	261.33	49.00	0.00	100.67	406.33	132.33	63.67	169.33	58.67	6.00	1454.33
2006/07	11	0.25	16.25	2.25	13.00	13.25	31.25	218.75	39.50	2.50	136.75	535.75	81.00	22.75	78.75	134.75	23.00	1349.75
2007/08	12	2.67	82.67	6.00	7.67	16.00	68.67	255.00	39.33	0.00	73.00	532.67	122.00	31.33	111.00	121.33	18.33	1487.67
2008/09	13	2.00	23.75	17.75	17.50	6.25	10.75	220.25	59.50	14.50	271.25	106.00	248.50	91.75	58.50	52.00	2.50	1202.75
2009/10	14	3.00	7.00	16.33	22.00	8.00	29.33	202.00	43.00	7.67	64.33	399.33	154.00	43.00	69.33	52.00	11.67	1132.00
2010/11	15	0.00	7.33	16.33	8.67	5.33	2.67	273.33	51.00	5.33	26.00	414.33	263.33	90.67	144.00	122.33	13.00	1443.67
2011/12	16	0.00	7.33	78.67	25.33	14.00	33.33	238.00	76.00	62.67	54.00	135.67	250.33	95.00	71.00	71.00	4.67	1217.00
2012/13	17	0.67	24.67	19.33	39.00	16.67	47.00	95.33	17.67	0.00	41.00	477.33	275.33	14.67	31.00	100.33	0.00	1200.00
2013/14	18	0.00	0.00	21.00	47.50	20.25	73.00	75.75	25.75	5.00	22.25	501.00	87.25	23.00	21.75	54.50	11.00	989.00
2014/15	19	0.00	0.00	15.67	107.00	20.00	41.67	248.33	9.33	11.33	46.33	335.33	145.67	21.33	53.67	41.33	0.67	1097.67

Wigeon: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	0.00	3.01	7.42	4.75	1.28	6.72	4.79	7.39	0.50	10.84	1.48	3.11	6.24	2.12	7.72	12.44	6.72	4.73	2.72	1.10	4.93
1999/00	2	0.00	3.16	1.46	4.69	3.22	9.09	9.32	7.41	0.62	0.66	0.12	1.39	9.81	3.59	8.67	3.98	4.18	4.01	5.64	11.10	7.88
2000/01	3	0.00	4.70	5.93	2.68	2.50	11.57	22.55	2.89	2.13	1.48	0.01	1.63	2.89	1.72	14.13	4.55	3.06	2.05	1.38	7.63	4.53
2001/02	4	0.00	6.65	0.75	0.81	2.84	7.40	15.11	6.06	2.54	0.51	4.37	3.03	5.37	2.64	7.92	5.73	5.21	1.48	2.16	15.17	4.23
2002/03	5	0.01	3.98	3.37	1.19	2.57	4.87	9.34	6.22	3.03	0.12	0.30	6.62	4.78	13.12	5.13	4.25	8.31	2.75	6.70	7.83	5.51
2003/04	6	0.00	3.69	3.06	0.31	2.64	7.38	9.12	7.31	1.73	0.39	1.99	1.74	3.77	4.42	9.16	5.47	5.35	2.81	7.34	18.11	4.22
2004/05	7	0.00	6.58	2.05	0.29	3.52	5.97	5.60	7.05	2.03	2.83	4.14	3.47	8.21	2.86	8.21	7.14	1.49	3.44	6.53	9.74	8.84
2005/06	8	0.00	4.77	2.19	0.29	3.12	10.34	6.43	6.46	1.58	0.42	1.78	5.85	7.91	8.21	6.54	10.82	4.87	3.74	2.88	5.72	6.11
2006/07	9	0.00	6.54	7.44	0.57	5.44	5.66	3.59	10.52	0.94	0.35	1.77	2.45	8.41	3.79	14.35	4.07	3.30	3.74	5.88	6.45	4.73
2007/08	10	0.00	4.30	0.11	0.01	2.27	9.92	5.12	14.90	1.40	3.02	1.02	1.03	4.19	5.78	10.27	4.05	4.72	5.17	9.49	8.79	4.43
2008/09	11	0.00	2.65	2.01	0.04	1.58	4.67	4.74	7.58	0.81	10.83	4.14	6.87	10.95	5.72	6.50	8.19	4.94	1.12	7.49	5.61	3.56
2009/10	12	0.00	5.57	0.56	0.08	4.85	6.86	3.89	9.05	1.59	0.78	2.92	7.15	6.26	4.05	7.88	9.04	4.05	3.40	8.16	10.42	3.46
2010/11	13	0.00	6.04	2.46	1.57	3.83	3.58	9.21	14.43	1.22	2.77	5.18	0.54	1.33	1.63	8.05	10.09	1.70	3.24	5.45	13.54	4.12
2011/12	14	0.00	6.80	1.96	0.21	1.80	2.59	1.45	2.88	1.27	0.85	10.11	0.24	6.48	1.69	7.65	10.63	7.07	6.30	12.39	12.30	5.34
2012/13	15	0.00	2.48	1.30	0.90	4.34	3.18	1.37	2.40	0.95	1.54	3.28	1.14	10.08	3.83	18.53	3.22	10.27	1.64	11.22	11.28	7.07
2013/14	16	0.00	1.57	2.34	0.75	7.28	2.41	2.24	3.91	1.67	0.38	9.56	0.67	1.69	2.41	13.45	3.64	5.48	1.42	4.75	29.23	5.15
2014/15	17	0.00	7.53	2.88	2.04	7.56	5.07	1.83	2.61	0.92	0.42	14.80	0.09	4.75	0.77	3.24	9.31	5.25	0.86	10.51	14.80	4.78

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.00	0.23	2.51	2.98	2.90	8.07	14.86	10.01	3.92	6.73	29.13	12.57	1.52	2.39	2.18	0.00
1997/98	2	0.00	0.07	3.29	5.50	6.59	11.99	9.62	4.30	1.12	6.62	25.20	11.18	1.43	5.32	6.18	1.60
1998/99	3	0.00	0.81	1.72	1.98	2.45	6.41	20.92	6.25	1.90	5.34	32.99	6.90	0.31	4.92	5.71	1.38
1999/00	4	0.00	0.89	0.34	2.14	1.65	1.73	15.50	4.84	0.19	5.33	44.34	8.63	0.23	4.86	6.91	2.43
2000/01	5	0.00	0.00	0.46	1.71	1.48	0.32	20.20	10.96	2.17	3.37	38.18	9.11	3.95	3.14	3.35	1.59
2001/02	6	0.03	0.45	0.23	2.93	2.52	1.31	16.56	8.33	0.93	3.13	50.57	5.25	1.33	2.80	2.29	1.35
2002/03	7	0.02	0.67	1.25	0.37	2.24	1.62	16.69	7.19	3.40	4.04	42.26	7.50	1.48	6.41	3.10	1.76
2003/04	8	0.05	1.49	0.62	2.74	2.51	2.44	22.57	7.35	0.03	4.53	24.45	10.90	1.97	8.38	8.59	1.38
2004/05	9	0.00	1.31	0.40	5.77	3.07	2.76	8.70	12.23	0.00	3.44	22.21	9.41	7.17	15.78	6.66	1.08
2005/06	10	0.00	1.03	1.86	6.83	1.44	3.07	17.97	3.37	0.00	6.92	27.94	9.10	4.38	11.64	4.03	0.41
2006/07	11	0.02	1.20	0.17	0.96	0.98	2.32	16.21	2.93	0.19	10.13	39.69	6.00	1.69	5.83	9.98	1.70
2007/08	12	0.18	5.56	0.40	0.52	1.08	4.62	17.14	2.64	0.00	4.91	35.81	8.20	2.11	7.46	8.16	1.23
2008/09	13	0.17	1.97	1.48	1.45	0.52	0.89	18.31	4.95	1.21	22.55	8.81	20.66	7.63	4.86	4.32	0.21
2009/10	14	0.27	0.62	1.44	1.94	0.71	2.59	17.84	3.80	0.68	5.68	35.28	13.60	3.80	6.12	4.59	1.03
2010/11	15	0.00	0.51	1.13	0.60	0.37	0.18	18.93	3.53	0.37	1.80	28.70	18.24	6.28	9.97	8.47	0.90
2011/12	16	0.00	0.60	6.46	2.08	1.15	2.74	19.56	6.24	5.15	4.44	11.15	20.57	7.81	5.83	5.83	0.38
2012/13	17	0.06	2.06	1.61	3.25	1.39	3.92	7.94	1.47	0.00	3.42	39.78	22.94	1.22	2.58	8.36	0.00
2013/14	18	0.00	0.00	2.12	4.80	2.05	7.38	7.66	2.60	0.51	2.25	50.66	8.82	2.33	2.20	5.51	1.11
2014/15	19	0.00	0.00	1.43	9.75	1.82	3.80	22.62	0.85	1.03	4.22	30.55	13.27	1.94	4.89	3.77	0.06

Pintail: mean numbers

STOUR		Section																				Total	
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38		39-40
1996/97	1	0.00	37.50	147.00	16.50	0.00	6.00	0.00	81.00	1.50	185.00	0.00	87.50	28.50	0.00	0.00	2.50	2.00	2.50	0.00	0.00	2.00	599.50
1999/00	2	0.00	1.33	61.00	71.67	0.00	0.00	3.33	23.67	38.67	20.67	0.00	6.67	27.33	51.67	3.33	0.00	0.00	0.00	8.00	0.67	1.33	319.33
2000/01	3	0.00	0.00	98.33	80.00	0.00	16.67	48.33	116.00	45.00	12.00	0.00	23.33	16.00	24.00	0.00	0.00	20.00	2.33	0.00	0.00	0.00	502.00
2001/02	4	0.00	1.50	74.50	11.00	0.00	3.75	5.50	105.25	8.75	14.00	0.00	5.25	11.75	17.00	2.25	25.75	38.50	6.75	1.00	0.00	2.00	334.50
2002/03	5	0.00	0.75	163.50	58.50	0.00	0.00	3.25	127.75	2.75	2.75	0.00	33.25	5.25	7.00	1.00	7.75	48.00	1.75	0.00	0.50	7.50	471.25
2003/04	6	0.00	2.50	82.25	5.75	0.00	0.00	1.25	40.00	9.00	42.25	0.00	4.75	14.50	2.75	0.00	1.50	23.25	0.00	1.25	0.00	1.50	232.50
2004/05	7	0.00	5.75	88.75	31.50	0.00	0.00	6.25	55.00	55.75	19.75	0.00	5.50	24.00	0.50	0.50	2.75	27.75	1.50	5.00	0.00	1.75	332.00
2005/06	8	0.00	0.75	59.50	13.75	0.00	0.00	0.00	65.00	0.50	27.25	0.00	14.00	8.00	4.25	0.00	6.75	23.50	2.00	0.75	1.00	0.50	227.50
2006/07	9	0.00	0.00	45.25	1.50	0.00	0.00	0.00	109.25	0.00	0.75	0.00	36.00	3.00	3.50	2.00	1.50	26.50	5.75	0.00	0.00	0.00	235.00
2007/08	10	0.00	0.00	80.00	0.00	0.00	0.00	1.00	71.00	0.00	0.00	0.00	19.50	1.00	1.00	0.00	18.50	8.00	2.50	0.00	0.00	0.00	202.50
2008/09	11	0.00	0.00	54.67	7.33	0.00	0.67	0.00	45.67	1.33	59.33	0.00	24.67	3.00	2.67	0.00	6.00	13.00	6.67	0.00	0.00	2.67	227.67
2009/10	12	0.00	1.75	20.25	4.00	0.00	0.00	5.75	63.50	0.00	39.75	0.00	65.50	6.25	1.25	0.00	5.00	8.75	5.50	1.50	0.50	0.25	229.50
2010/11	13	0.00	0.00	43.75	15.75	0.00	0.00	0.00	67.00	1.25	51.00	0.00	35.25	2.50	1.00	0.00	2.00	19.50	3.50	1.00	0.00	0.00	243.50
2011/12	14	0.00	0.00	50.50	0.75	0.00	0.25	0.00	57.25	0.00	73.50	1.25	26.50	10.75	4.50	5.50	12.00	12.25	0.50	0.25	0.00	0.00	255.75
2012/13	15	0.00	0.00	64.50	1.00	0.50	0.00	0.00	35.00	0.00	16.00	0.00	50.00	19.00	1.00	21.00	3.00	20.00	0.00	0.00	0.00	0.00	231.00
2013/14	16	0.00	0.00	62.33	0.00	0.00	0.00	0.00	92.33	0.00	37.00	0.00	22.00	17.67	7.00	11.00	0.00	22.00	0.00	0.00	0.00	0.00	271.33
2014/15	17	0.00	0.00	144.00	95.00	0.00	0.00	0.00	24.67	0.00	19.33	0.67	26.33	17.33	0.67	0.00	9.00	30.67	2.67	0.00	0.00	0.00	370.33

ORWELL		Section																Total
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	
1996/97	1	0.00	0.00	4.67	34.00	6.00	2.33	2.67	0.67	0.00	0.00	23.33	4.33	0.67	93.67	5.00	0.00	177.33
1997/98	2	0.00	0.00	5.00	50.80	0.60	0.00	0.00	0.00	0.00	17.60	46.40	16.80	0.20	127.40	4.20	0.00	269.00
1998/99	3	0.00	0.00	9.33	19.33	0.67	0.00	1.00	0.00	0.00	0.00	1.33	6.33	0.00	19.33	8.33	0.00	65.67
1999/00	4	0.00	0.00	0.00	9.25	0.00	0.00	0.00	0.00	0.00	0.00	7.00	12.00	0.00	50.25	0.00	0.00	78.50
2000/01	5	0.00	0.00	0.00	19.25	0.00	0.00	0.00	0.00	0.00	0.00	25.50	23.00	0.00	7.50	2.00	0.00	77.25
2001/02	6	0.00	0.00	0.00	4.25	0.00	0.00	0.00	0.50	0.00	0.00	153.50	0.75	0.25	41.75	0.00	0.00	201.00
2002/03	7	0.00	0.00	0.00	2.25	0.00	0.00	0.00	1.00	0.00	0.00	144.75	5.25	0.00	56.50	7.75	0.00	217.50
2003/04	8	0.00	0.00	0.00	1.75	0.00	0.00	0.00	0.00	0.00	0.00	181.75	4.00	0.00	36.75	8.25	0.00	232.50
2004/05	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.50	61.00	1.00	0.00	77.00	10.50	0.00	150.00
2005/06	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67	114.00	50.00	0.00	73.00	2.33	0.00	240.00
2006/07	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	247.75	23.25	0.00	42.25	9.75	0.00	323.00
2007/08	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	91.00	0.67	0.00	24.33	21.00	0.00	137.00
2008/09	13	0.00	0.00	0.00	10.25	0.00	0.00	0.00	0.00	0.25	3.00	25.25	6.75	0.00	31.50	10.75	0.00	87.75
2009/10	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	99.33	0.00	0.00	11.33	48.67	3.67	163.00
2010/11	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	108.00	4.67	0.00	44.00	14.67	0.00	171.33
2011/12	16	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.00	43.67	16.33	0.33	79.67	20.00	9.67	173.00
2012/13	17	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00	0.00	0.00	44.67	0.67	0.00	11.00	22.33	0.00	81.00
2013/14	18	0.00	0.00	6.75	28.25	0.00	0.00	0.00	0.00	0.00	0.00	46.00	1.00	1.25	12.00	24.75	0.00	120.00
2014/15	19	0.00	0.00	0.00	3.33	0.00	0.00	0.00	0.00	0.00	0.00	17.67	5.33	2.00	44.33	12.00	17.00	101.67

Pintail: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	0.00	6.26	24.52	2.75	0.00	1.00	0.00	13.51	0.25	30.86	0.00	14.60	4.75	0.00	0.00	0.42	0.33	0.42	0.00	0.00	0.33
1999/00	2	0.00	0.42	19.10	22.44	0.00	0.00	1.04	7.41	12.11	6.47	0.00	2.09	8.56	16.18	1.04	0.00	0.00	0.00	2.51	0.21	0.42
2000/01	3	0.00	0.00	19.59	15.94	0.00	3.32	9.63	23.11	8.96	2.39	0.00	4.65	3.19	4.78	0.00	0.00	3.98	0.46	0.00	0.00	0.00
2001/02	4	0.00	0.45	22.27	3.29	0.00	1.12	1.64	31.46	2.62	4.19	0.00	1.57	3.51	5.08	0.67	7.70	11.51	2.02	0.30	0.00	0.60
2002/03	5	0.00	0.16	34.69	12.41	0.00	0.00	0.69	27.11	0.58	0.58	0.00	7.06	1.11	1.49	0.21	1.64	10.19	0.37	0.00	0.11	1.59
2003/04	6	0.00	1.08	35.38	2.47	0.00	0.00	0.54	17.20	3.87	18.17	0.00	2.04	6.24	1.18	0.00	0.65	10.00	0.00	0.54	0.00	0.65
2004/05	7	0.00	1.73	26.73	9.49	0.00	0.00	1.88	16.57	16.79	5.95	0.00	1.66	7.23	0.15	0.15	0.83	8.36	0.45	1.51	0.00	0.53
2005/06	8	0.00	0.33	26.15	6.04	0.00	0.00	0.00	28.57	0.22	11.98	0.00	6.15	3.52	1.87	0.00	2.97	10.33	0.88	0.33	0.44	0.22
2006/07	9	0.00	0.00	19.26	0.64	0.00	0.00	0.00	46.49	0.00	0.32	0.00	15.32	1.28	1.49	0.85	0.64	11.28	2.45	0.00	0.00	0.00
2007/08	10	0.00	0.00	39.51	0.00	0.00	0.00	0.49	35.06	0.00	0.00	0.00	9.63	0.49	0.49	0.00	9.14	3.95	1.23	0.00	0.00	0.00
2008/09	11	0.00	0.00	24.01	3.22	0.00	0.29	0.00	20.06	0.59	26.06	0.00	10.83	1.32	1.17	0.00	2.64	5.71	2.93	0.00	0.00	1.17
2009/10	12	0.00	0.76	8.82	1.74	0.00	0.00	2.51	27.67	0.00	17.32	0.00	28.54	2.72	0.54	0.00	2.18	3.81	2.40	0.65	0.22	0.11
2010/11	13	0.00	0.00	17.97	6.47	0.00	0.00	0.00	27.52	0.51	20.94	0.00	14.48	1.03	0.41	0.00	0.82	8.01	1.44	0.41	0.00	0.00
2011/12	14	0.00	0.00	19.75	0.29	0.00	0.10	0.00	22.39	0.00	28.74	0.49	10.36	4.20	1.76	2.15	4.69	4.79	0.20	0.10	0.00	0.00
2012/13	15	0.00	0.00	27.92	0.43	0.22	0.00	0.00	15.15	0.00	6.93	0.00	21.65	8.23	0.43	9.09	1.30	8.66	0.00	0.00	0.00	0.00
2013/14	16	0.00	0.00	22.97	0.00	0.00	0.00	0.00	34.03	0.00	13.64	0.00	8.11	6.51	2.58	4.05	0.00	8.11	0.00	0.00	0.00	0.00
2014/15	17	0.00	0.00	38.88	25.65	0.00	0.00	0.00	6.66	0.00	5.22	0.18	7.11	4.68	0.18	0.00	2.43	8.28	0.72	0.00	0.00	0.00

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.00	0.00	2.63	19.17	3.38	1.32	1.50	0.38	0.00	0.00	13.16	2.44	0.38	52.82	2.82	0.00
1997/98	2	0.00	0.00	1.86	18.88	0.22	0.00	0.00	0.00	0.00	6.54	17.25	6.25	0.07	47.36	1.56	0.00
1998/99	3	0.00	0.00	14.21	29.44	1.02	0.00	1.52	0.00	0.00	0.00	2.03	9.64	0.00	29.44	12.69	0.00
1999/00	4	0.00	0.00	0.00	11.78	0.00	0.00	0.00	0.00	0.00	0.00	8.92	15.29	0.00	64.01	0.00	0.00
2000/01	5	0.00	0.00	0.00	24.92	0.00	0.00	0.00	0.00	0.00	0.00	33.01	29.77	0.00	9.71	2.59	0.00
2001/02	6	0.00	0.00	0.00	2.11	0.00	0.00	0.00	0.25	0.00	0.00	76.37	0.37	0.12	20.77	0.00	0.00
2002/03	7	0.00	0.00	0.00	1.03	0.00	0.00	0.00	0.46	0.00	0.00	66.55	2.41	0.00	25.98	3.56	0.00
2003/04	8	0.00	0.00	0.00	0.75	0.00	0.00	0.00	0.00	0.00	0.00	78.17	1.72	0.00	15.81	3.55	0.00
2004/05	9	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.33	40.67	0.67	0.00	51.33	7.00	0.00
2005/06	10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.28	47.50	20.83	0.00	30.42	0.97	0.00
2006/07	11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	76.70	7.20	0.00	13.08	3.02	0.00
2007/08	12	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	66.42	0.49	0.00	17.76	15.33	0.00
2008/09	13	0.00	0.00	0.00	11.68	0.00	0.00	0.00	0.00	0.28	3.42	28.77	7.69	0.00	35.90	12.25	0.00
2009/10	14	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.94	0.00	0.00	6.95	29.86	2.25
2010/11	15	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	63.04	2.72	0.00	25.68	8.56	0.00
2011/12	16	0.00	0.00	0.00	1.93	0.00	0.00	0.00	0.00	0.00	0.00	25.24	9.44	0.19	46.05	11.56	5.59
2012/13	17	0.00	0.00	0.00	2.88	0.00	0.00	0.00	0.00	0.00	0.00	55.14	0.82	0.00	13.58	27.57	0.00
2013/14	18	0.00	0.00	5.63	23.54	0.00	0.00	0.00	0.00	0.00	0.00	38.33	0.83	1.04	10.00	20.63	0.00
2014/15	19	0.00	0.00	0.00	3.28	0.00	0.00	0.00	0.00	0.00	0.00	17.38	5.25	1.97	43.61	11.80	16.72

Oystercatcher: mean numbers

STOUR	Section																					Total	
		Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35		36-37
1996/97	1	85.50	9.00	110.50	26.00	18.00	8.50	13.00	206.00	3.00	2.00	0.50	0.00	42.00	21.00	31.50	123.50	53.00	39.00	11.00	97.50	164.00	1064.50
1999/00	2	14.00	7.67	83.67	51.33	83.00	71.67	161.33	137.00	0.33	0.00	0.00	10.67	36.00	20.33	17.67	41.33	78.33	140.33	16.33	68.33	69.67	1109.00
2000/01	3	16.67	8.00	53.67	31.67	67.33	27.33	9.00	18.00	0.00	0.00	0.00	62.33	0.33	162.00	45.00	51.33	110.67	171.00	18.33	29.67	81.67	964.00
2001/02	4	21.75	12.00	60.25	61.50	33.25	46.75	23.00	58.75	0.50	2.50	0.00	98.75	20.50	228.00	37.00	171.25	136.50	108.75	36.00	82.25	90.75	1330.00
2002/03	5	18.75	15.25	75.75	58.25	44.50	32.25	147.00	210.75	0.00	0.50	0.00	90.25	22.25	303.75	41.50	67.25	66.25	86.25	14.00	24.75	74.25	1393.50
2003/04	6	5.50	19.00	57.50	54.25	22.75	44.00	159.75	142.50	1.00	3.50	1.00	45.50	0.75	139.50	26.50	118.00	126.00	90.75	18.50	25.25	49.25	1150.75
2004/05	7	6.25	13.75	36.50	28.75	46.25	36.75	31.75	230.25	1.25	1.75	0.00	101.75	16.75	327.00	10.25	97.25	73.00	88.50	29.00	48.00	53.00	1277.75
2005/06	8	4.75	19.25	98.50	46.00	49.75	44.25	69.75	204.75	0.00	1.25	0.00	2.25	7.75	317.50	40.75	30.00	42.00	82.50	19.50	17.50	64.00	1162.00
2006/07	9	3.75	7.50	123.75	83.50	36.75	37.75	46.00	93.75	0.50	2.50	0.00	16.75	43.50	138.25	50.50	49.25	85.75	98.50	37.75	17.25	77.25	1050.50
2007/08	10	1.50	13.00	98.50	40.50	35.00	107.50	40.50	81.50	4.00	4.00	0.00	9.50	54.00	82.50	96.50	113.00	94.00	136.50	17.00	9.00	53.00	1091.00
2008/09	11	3.33	17.33	130.67	66.00	54.33	142.33	54.67	71.33	0.00	0.33	0.00	75.00	24.00	115.00	30.33	74.67	58.33	74.67	9.33	8.00	43.00	1052.67
2009/10	12	1.75	6.50	87.50	42.75	73.75	124.75	39.50	72.00	0.75	11.50	0.00	36.25	5.75	25.00	95.00	70.00	69.50	110.75	15.00	15.00	68.75	971.75
2010/11	13	5.50	9.50	58.75	60.75	59.25	27.00	93.75	91.00	1.25	3.25	0.25	20.50	24.75	43.75	68.75	256.25	99.00	71.25	14.00	12.25	34.00	1054.75
2011/12	14	2.25	18.75	62.00	42.75	41.75	18.50	54.00	83.00	1.50	12.50	0.25	25.25	27.75	30.00	54.25	96.75	50.50	85.50	35.25	3.50	25.25	771.25
2012/13	15	4.00	5.50	35.50	21.00	46.50	34.50	135.00	84.00	0.00	7.00	0.00	15.00	7.50	60.50	75.50	86.00	62.00	79.00	11.50	5.50	24.00	799.50
2013/14	16	17.00	4.33	43.33	27.67	42.67	32.33	49.33	145.33	1.67	4.00	0.67	28.67	11.00	62.33	114.00	97.33	40.33	57.67	21.00	9.00	31.33	841.00
2014/15	17	19.67	3.00	48.00	64.67	56.33	39.00	18.67	103.33	1.00	10.67	0.33	11.00	13.67	7.33	64.00	78.33	71.00	54.33	35.33	6.67	37.33	743.67

ORWELL	Section																		Total
		Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	
1996/97	1	5.33	80.33	26.67	44.67	6.00	3.33	3.67	13.67	4.67	104.67	0.33	51.33	352.33	33.33	34.33	8.33	773.00	
1997/98	2	15.00	161.80	18.00	32.00	7.20	7.60	1.00	3.20	3.60	17.40	0.00	22.20	166.60	485.80	71.00	68.20	1080.60	
1998/99	3	8.00	76.67	10.33	12.67	36.67	2.33	3.33	4.33	0.67	16.33	0.00	32.33	119.00	443.33	85.33	51.00	902.33	
1999/00	4	8.50	20.75	4.50	4.75	12.25	1.75	2.00	4.00	3.75	10.50	0.00	134.25	233.50	696.50	64.25	21.25	1222.50	
2000/01	5	1.50	24.25	3.50	10.75	22.75	3.50	1.00	6.25	3.50	6.25	0.00	88.50	296.25	629.00	53.75	59.50	1210.25	
2001/02	6	1.00	13.75	11.50	145.00	37.50	2.75	1.25	6.50	5.25	10.25	0.00	77.50	369.25	448.25	71.50	31.00	1232.25	
2002/03	7	1.00	38.25	12.25	66.25	1.75	4.25	2.50	3.75	1.50	6.50	0.00	26.50	242.00	777.25	152.50	65.25	1401.50	
2003/04	8	1.75	19.75	3.25	221.50	5.50	7.75	4.25	7.00	1.50	5.25	0.75	32.50	130.25	861.75	226.75	69.25	1598.75	
2004/05	9	4.50	43.50	10.50	103.50	0.50	1.00	4.50	6.00	1.50	10.00	0.00	54.50	155.00	822.00	269.50	55.50	1542.00	
2005/06	10	0.33	22.00	11.33	75.67	4.00	4.33	5.33	7.00	2.33	13.67	0.00	31.00	141.00	861.00	105.67	73.00	1357.67	
2006/07	11	2.00	58.25	12.25	79.00	28.00	6.00	2.75	9.50	0.25	5.25	0.75	65.50	202.50	780.25	238.75	66.00	1557.00	
2007/08	12	0.33	54.00	12.33	103.00	5.00	1.67	2.67	11.00	4.00	5.33	0.00	71.00	165.67	768.00	141.00	93.67	1438.67	
2008/09	13	1.25	38.00	7.25	83.50	4.25	1.50	3.50	9.50	2.25	4.50	1.75	44.00	168.75	578.00	117.00	57.25	1122.25	
2009/10	14	0.33	47.33	5.33	43.33	2.67	6.00	4.00	6.33	2.00	5.00	1.67	70.00	330.00	487.33	216.67	84.67	1312.67	
2010/11	15	0.67	5.00	4.33	132.00	6.00	0.67	3.00	3.67	3.00	4.33	1.00	67.33	226.00	667.33	345.33	131.33	1601.00	
2011/12	16	3.00	26.33	35.67	354.67	7.00	1.00	2.67	7.67	1.67	6.67	0.00	7.00	155.67	550.00	330.67	100.00	1589.67	
2012/13	17	9.67	22.00	6.00	110.67	6.67	1.67	1.67	13.67	0.33	1.00	0.33	4.33	137.00	634.00	349.00	70.00	1368.00	
2013/14	18	1.00	9.50	7.25	177.50	7.50	2.25	1.25	10.25	3.75	2.50	0.00	9.50	173.75	742.50	418.50	63.00	1630.00	
2014/15	19	0.67	3.67	48.67	281.67	6.33	3.00	3.67	16.67	7.00	6.67	2.00	7.67	236.00	407.67	380.33	141.67	1553.33	

Oystercatcher: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	8.03	0.85	10.38	2.44	1.69	0.80	1.22	19.35	0.28	0.19	0.05	0.00	3.95	1.97	2.96	11.60	4.98	3.66	1.03	9.16	15.41
1999/00	2	1.26	0.69	7.54	4.63	7.48	6.46	14.55	12.35	0.03	0.00	0.00	0.96	3.25	1.83	1.59	3.73	7.06	12.65	1.47	6.16	6.28
2000/01	3	1.73	0.83	5.57	3.28	6.98	2.84	0.93	1.87	0.00	0.00	0.00	6.47	0.03	16.80	4.67	5.33	11.48	17.74	1.90	3.08	8.47
2001/02	4	1.64	0.90	4.53	4.62	2.50	3.52	1.73	4.42	0.04	0.19	0.00	7.42	1.54	17.14	2.78	12.88	10.26	8.18	2.71	6.18	6.82
2002/03	5	1.35	1.09	5.44	4.18	3.19	2.31	10.55	15.12	0.00	0.04	0.00	6.48	1.60	21.80	2.98	4.83	4.75	6.19	1.00	1.78	5.33
2003/04	6	0.48	1.65	5.00	4.71	1.98	3.82	13.88	12.38	0.09	0.30	0.09	3.95	0.07	12.12	2.30	10.25	10.95	7.89	1.61	2.19	4.28
2004/05	7	0.49	1.08	2.86	2.25	3.62	2.88	2.48	18.02	0.10	0.14	0.00	7.96	1.31	25.59	0.80	7.61	5.71	6.93	2.27	3.76	4.15
2005/06	8	0.41	1.66	8.48	3.96	4.28	3.81	6.00	17.62	0.00	0.11	0.00	0.19	0.67	27.32	3.51	2.58	3.61	7.10	1.68	1.51	5.51
2006/07	9	0.36	0.71	11.78	7.95	3.50	3.59	4.38	8.92	0.05	0.24	0.00	1.59	4.14	13.16	4.81	4.69	8.16	9.38	3.59	1.64	7.35
2007/08	10	0.14	1.19	9.03	3.71	3.21	9.85	3.71	7.47	0.37	0.37	0.00	0.87	4.95	7.56	8.85	10.36	8.62	12.51	1.56	0.82	4.86
2008/09	11	0.32	1.65	12.41	6.27	5.16	13.52	5.19	6.78	0.00	0.03	0.00	7.12	2.28	10.92	2.88	7.09	5.54	7.09	0.89	0.76	4.08
2009/10	12	0.18	0.67	9.00	4.40	7.59	12.84	4.06	7.41	0.08	1.18	0.00	3.73	0.59	2.57	9.78	7.20	7.15	11.40	1.54	1.54	7.07
2010/11	13	0.52	0.90	5.57	5.76	5.62	2.56	8.89	8.63	0.12	0.31	0.02	1.94	2.35	4.15	6.52	24.29	9.39	6.76	1.33	1.16	3.22
2011/12	14	0.29	2.43	8.04	5.54	5.41	2.40	7.00	10.76	0.19	1.62	0.03	3.27	3.60	3.89	7.03	12.54	6.55	11.09	4.57	0.45	3.27
2012/13	15	0.50	0.69	4.44	2.63	5.82	4.32	16.89	10.51	0.00	0.88	0.00	1.88	0.94	7.57	9.44	10.76	7.75	9.88	1.44	0.69	3.00
2013/14	16	2.02	0.52	5.15	3.29	5.07	3.84	5.87	17.28	0.20	0.48	0.08	3.41	1.31	7.41	13.56	11.57	4.80	6.86	2.50	1.07	3.73
2014/15	17	2.64	0.40	6.45	8.70	7.58	5.24	2.51	13.90	0.13	1.43	0.04	1.48	1.84	0.99	8.61	10.53	9.55	7.31	4.75	0.90	5.02

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.69	10.39	3.45	5.78	0.78	0.43	0.47	1.77	0.60	13.54	0.04	6.64	45.58	4.31	4.44	1.08
1997/98	2	1.39	14.97	1.67	2.96	0.67	0.70	0.09	0.30	0.33	1.61	0.00	2.05	15.42	44.96	6.57	6.31
1998/99	3	0.89	8.50	1.15	1.40	4.06	0.26	0.37	0.48	0.07	1.81	0.00	3.58	13.19	49.13	9.46	5.65
1999/00	4	0.70	1.70	0.37	0.39	1.00	0.14	0.16	0.33	0.31	0.86	0.00	10.98	19.10	56.97	5.26	1.74
2000/01	5	0.12	2.00	0.29	0.89	1.88	0.29	0.08	0.52	0.29	0.52	0.00	7.31	24.48	51.97	4.44	4.92
2001/02	6	0.08	1.12	0.93	11.77	3.04	0.22	0.10	0.53	0.43	0.83	0.00	6.29	29.97	36.38	5.80	2.52
2002/03	7	0.07	2.73	0.87	4.73	0.12	0.30	0.18	0.27	0.11	0.46	0.00	1.89	17.27	55.46	10.88	4.66
2003/04	8	0.11	1.24	0.20	13.85	0.34	0.48	0.27	0.44	0.09	0.33	0.05	2.03	8.15	53.90	14.18	4.33
2004/05	9	0.29	2.82	0.68	6.71	0.03	0.06	0.29	0.39	0.10	0.65	0.00	3.53	10.05	53.31	17.48	3.60
2005/06	10	0.02	1.62	0.83	5.57	0.29	0.32	0.39	0.52	0.17	1.01	0.00	2.28	10.39	63.42	7.78	5.38
2006/07	11	0.13	3.74	0.79	5.07	1.80	0.39	0.18	0.61	0.02	0.34	0.05	4.21	13.01	50.11	15.33	4.24
2007/08	12	0.02	3.75	0.86	7.16	0.35	0.12	0.19	0.76	0.28	0.37	0.00	4.94	11.52	53.38	9.80	6.51
2008/09	13	0.11	3.39	0.65	7.44	0.38	0.13	0.31	0.85	0.20	0.40	0.16	3.92	15.04	51.50	10.43	5.10
2009/10	14	0.03	3.61	0.41	3.30	0.20	0.46	0.30	0.48	0.15	0.38	0.13	5.33	25.14	37.13	16.51	6.45
2010/11	15	0.04	0.31	0.27	8.24	0.37	0.04	0.19	0.23	0.19	0.27	0.06	4.21	14.12	41.68	21.57	8.20
2011/12	16	0.19	1.66	2.24	22.31	0.44	0.06	0.17	0.48	0.10	0.42	0.00	0.44	9.79	34.60	20.80	6.29
2012/13	17	0.71	1.61	0.44	8.09	0.49	0.12	0.12	1.00	0.02	0.07	0.02	0.32	10.01	46.35	25.51	5.12
2013/14	18	0.06	0.58	0.44	10.89	0.46	0.14	0.08	0.63	0.23	0.15	0.00	0.58	10.66	45.55	25.67	3.87
2014/15	19	0.04	0.24	3.13	18.13	0.41	0.19	0.24	1.07	0.45	0.43	0.13	0.49	15.19	26.24	24.48	9.12

Ringed plover: mean populations

STOUR		Section																					
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40	Total
1996/97	1	5.00	6.00	1.50	0.00	0.00	0.50	0.00	2.50	2.00	16.50	0.00	0.50	1.00	0.00	0.00	15.00	1.00	0.00	6.50	0.00	15.00	73.00
1999/00	2	35.33	13.33	1.67	4.33	2.67	2.33	0.67	5.33	0.00	0.00	0.00	8.00	10.33	14.33	0.00	0.00	7.67	23.67	4.00	0.33	5.67	139.67
2000/01	3	35.67	4.00	5.33	4.00	5.33	2.67	0.00	0.00	1.00	9.00	0.00	8.00	0.33	4.00	7.67	0.33	1.33	8.33	13.67	129.67	15.00	255.33
2001/02	4	36.50	1.50	3.75	18.75	12.50	2.50	3.25	1.00	3.75	2.75	0.00	1.25	0.25	3.75	0.00	4.00	0.25	15.50	8.25	2.25	9.50	131.25
2002/03	5	41.25	1.75	1.75	2.75	2.00	1.50	0.00	1.25	1.00	3.00	0.00	0.00	0.50	0.50	1.00	1.50	1.00	24.25	18.50	0.00	3.75	107.25
2003/04	6	46.50	0.75	0.75	3.00	6.00	0.00	0.00	0.25	3.25	3.00	0.00	0.25	0.00	0.50	0.00	2.00	0.00	24.50	16.50	1.00	2.75	111.00
2004/05	7	67.75	2.50	1.00	4.25	5.25	0.25	0.25	0.00	8.50	16.00	0.00	0.00	0.00	0.75	0.00	6.50	0.00	13.75	31.75	10.25	6.00	174.75
2005/06	8	89.00	3.50	0.00	7.50	1.75	0.75	1.00	1.50	3.50	12.00	0.00	0.00	31.25	0.50	1.50	3.00	0.00	21.25	42.50	13.75	0.75	235.00
2006/07	9	115.25	3.25	0.50	3.75	0.25	8.25	0.00	0.25	10.25	3.25	0.00	0.00	4.00	0.00	0.00	1.75	2.50	15.50	9.50	4.25	0.50	183.00
2007/08	10	89.00	0.00	0.00	3.50	1.00	0.50	0.00	0.00	3.50	0.00	4.00	0.00	0.50	0.00	0.50	1.00	0.00	26.50	24.50	3.50	1.00	159.00
2008/09	11	96.67	0.67	0.00	5.33	3.33	7.33	3.33	0.00	15.33	4.33	0.33	3.67	0.67	0.00	2.00	0.33	0.00	22.67	5.33	3.00	1.00	175.33
2009/10	12	27.00	1.25	0.00	8.00	4.25	11.75	0.25	0.25	11.00	2.25	0.00	1.25	1.75	2.50	0.00	0.75	10.00	18.25	2.25	1.00	3.75	107.50
2010/11	13	31.25	1.25	0.00	5.75	2.50	7.00	1.00	0.25	9.00	9.00	0.50	0.00	0.00	0.00	0.00	1.75	0.50	23.00	3.25	0.25	4.75	101.00
2011/12	14	24.75	0.75	0.00	4.50	0.50	6.50	1.25	0.25	11.00	3.75	0.50	0.00	0.00	0.00	0.00	0.25	0.75	30.00	2.75	0.00	0.00	87.50
2012/13	15	25.50	0.00	0.00	7.00	7.00	0.00	0.00	0.00	0.50	1.00	0.00	0.00	9.50	0.00	1.00	0.00	4.50	28.00	2.50	0.00	1.50	88.00
2013/14	16	25.67	0.00	0.00	12.33	6.33	1.33	0.00	0.67	2.00	0.00	0.00	0.00	0.67	0.33	0.00	0.00	2.00	15.00	0.00	0.00	0.33	66.67
2014/15	17	17.33	0.67	0.00	2.67	7.00	0.00	0.00	0.00	10.00	5.67	0.00	0.00	0.67	0.00	0.00	0.00	1.67	26.67	0.67	3.00	0.00	76.00

ORWELL		Section																
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	Total
1996/97	1	1.00	0.00	0.67	0.33	6.33	25.33	1.67	25.00	1.00	8.67	0.00	8.67	0.33	3.33	55.33	7.33	145.00
1997/98	2	0.00	0.40	0.80	57.00	1.80	0.80	11.20	19.40	1.00	6.40	0.00	32.40	0.00	0.20	12.40	1.20	145.00
1998/99	3	0.00	1.00	4.67	23.00	11.00	36.00	13.00	6.67	1.00	4.33	0.00	9.33	0.67	0.67	14.67	1.33	127.33
1999/00	4	0.00	0.00	1.00	14.25	2.00	0.50	21.25	18.75	4.25	32.25	0.00	20.25	13.00	0.50	61.50	2.50	192.00
2000/01	5	0.00	0.25	1.25	7.25	1.25	3.75	7.00	18.25	4.50	9.25	0.00	8.00	7.00	0.00	16.25	31.25	115.25
2001/02	6	0.00	5.00	5.00	7.50	2.50	2.75	9.25	28.00	4.00	8.75	0.25	18.00	0.50	0.75	21.75	9.50	123.50
2002/03	7	0.00	2.50	12.25	20.00	10.25	12.50	1.50	26.50	4.75	12.50	7.25	33.75	15.25	0.00	7.00	4.75	170.75
2003/04	8	0.00	0.00	27.25	8.00	2.75	2.00	3.50	34.25	1.00	2.25	6.75	28.75	3.50	0.00	59.25	8.50	187.75
2004/05	9	0.00	0.00	1.50	8.50	2.50	1.50	0.00	6.00	0.00	1.00	24.50	21.50	2.50	0.00	43.50	6.50	119.50
2005/06	10	0.00	0.00	5.33	0.00	4.67	1.00	1.33	24.33	0.00	20.67	16.33	7.67	0.67	0.00	13.67	0.00	95.67
2006/07	11	0.00	1.00	10.00	0.00	19.50	0.25	11.50	17.25	0.00	17.00	5.00	0.25	1.00	0.00	4.75	0.00	87.50
2007/08	12	0.00	0.67	3.33	0.00	17.67	0.00	0.00	16.33	0.00	5.00	1.67	5.33	0.33	1.33	0.00	0.00	51.67
2008/09	13	0.00	0.00	0.00	0.50	52.50	0.00	2.25	14.25	0.00	35.00	0.00	7.00	19.00	2.25	2.00	0.00	134.75
2009/10	14	0.00	0.00	0.00	0.00	39.67	0.00	0.00	6.00	0.67	22.33	2.67	2.00	1.67	0.33	1.67	0.00	77.00
2010/11	15	0.00	0.00	0.00	0.00	47.67	0.00	4.33	4.00	0.67	7.00	0.67	0.67	14.00	1.33	10.00	0.00	90.33
2011/12	16	0.00	0.00	0.00	0.00	30.00	0.00	0.33	19.00	1.00	6.00	0.00	2.00	0.00	0.00	9.00	0.00	67.33
2012/13	17	0.00	0.00	0.00	0.00	28.00	0.33	0.00	0.00	0.67	4.33	0.00	1.33	0.00	0.00	3.33	0.00	38.00
2013/14	18	0.00	0.00	0.00	0.00	23.75	1.00	0.00	95.50	0.00	1.25	0.00	15.50	0.00	0.00	0.00	0.00	137.00
2014/15	19	0.00	0.00	0.00	0.00	23.00	0.33	3.00	36.33	0.00	5.67	2.33	7.00	1.67	0.00	0.00	0.00	79.33

Ringed plover: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	6.85	8.22	2.05	0.00	0.00	0.68	0.00	3.42	2.74	22.60	0.00	0.68	1.37	0.00	0.00	20.55	1.37	0.00	8.90	0.00	20.55
1999/00	2	25.30	9.55	1.19	3.10	1.91	1.67	0.48	3.82	0.00	0.00	0.00	5.73	7.40	10.26	0.00	0.00	5.49	16.95	2.86	0.24	4.06
2000/01	3	13.97	1.57	2.09	1.57	2.09	1.04	0.00	0.00	0.39	3.52	0.00	3.13	0.13	1.57	3.00	0.13	0.52	3.26	5.35	50.78	5.87
2001/02	4	27.81	1.14	2.86	14.29	9.52	1.90	2.48	0.76	2.86	2.10	0.00	0.95	0.19	2.86	0.00	3.05	0.19	11.81	6.29	1.71	7.24
2002/03	5	38.46	1.63	1.63	2.56	1.86	1.40	0.00	1.17	0.93	2.80	0.00	0.00	0.47	0.47	0.93	1.40	0.93	22.61	17.25	0.00	3.50
2003/04	6	41.89	0.68	0.68	2.70	5.41	0.00	0.00	0.23	2.93	2.70	0.00	0.23	0.00	0.45	0.00	1.80	0.00	22.07	14.86	0.90	2.48
2004/05	7	38.77	1.43	0.57	2.43	3.00	0.14	0.14	0.00	4.86	9.16	0.00	0.00	0.00	0.43	0.00	3.72	0.00	7.87	18.17	5.87	3.43
2005/06	8	37.87	1.49	0.00	3.19	0.74	0.32	0.43	0.64	1.49	5.11	0.00	0.00	13.30	0.21	0.64	1.28	0.00	9.04	18.09	5.85	0.32
2006/07	9	62.98	1.78	0.27	2.05	0.14	4.51	0.00	0.14	5.60	1.78	0.00	0.00	2.19	0.00	0.00	0.96	1.37	8.47	5.19	2.32	0.27
2007/08	10	55.97	0.00	0.00	2.20	0.63	0.31	0.00	0.00	2.20	0.00	2.52	0.00	0.31	0.00	0.31	0.63	0.00	16.67	15.41	2.20	0.63
2008/09	11	55.13	0.38	0.00	3.04	1.90	4.18	1.90	0.00	8.75	2.47	0.19	2.09	0.38	0.00	1.14	0.19	0.00	12.93	3.04	1.71	0.57
2009/10	12	25.12	1.16	0.00	7.44	3.95	10.93	0.23	0.23	10.23	2.09	0.00	1.16	1.63	2.33	0.00	0.70	9.30	16.98	2.09	0.93	3.49
2010/11	13	30.94	1.24	0.00	5.69	2.48	6.93	0.99	0.25	8.91	8.91	0.50	0.00	0.00	0.00	0.00	1.73	0.50	22.77	3.22	0.25	4.70
2011/12	14	28.29	0.86	0.00	5.14	0.57	7.43	1.43	0.29	12.57	4.29	0.57	0.00	0.00	0.00	0.00	0.29	0.86	34.29	3.14	0.00	0.00
2012/13	15	28.98	0.00	0.00	7.95	7.95	0.00	0.00	0.00	0.57	1.14	0.00	0.00	10.80	0.00	1.14	0.00	5.11	31.82	2.84	0.00	1.70
2013/14	16	38.50	0.00	0.00	18.50	9.50	2.00	0.00	1.00	3.00	0.00	0.00	0.00	1.00	0.50	0.00	0.00	3.00	22.50	0.00	0.00	0.50
2014/15	17	22.81	0.88	0.00	3.51	9.21	0.00	0.00	0.00	13.16	7.46	0.00	0.00	0.88	0.00	0.00	0.00	2.19	35.09	0.88	3.95	0.00

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.69	0.00	0.46	0.23	4.37	17.47	1.15	17.24	0.69	5.98	0.00	5.98	0.23	2.30	38.16	5.06
1997/98	2	0.00	0.28	0.55	39.31	1.24	0.55	7.72	13.38	0.69	4.41	0.00	22.34	0.00	0.14	8.55	0.83
1998/99	3	0.00	0.79	3.66	18.06	8.64	28.27	10.21	5.24	0.79	3.40	0.00	7.33	0.52	0.52	11.52	1.05
1999/00	4	0.00	0.00	0.52	7.42	1.04	0.26	11.07	9.77	2.21	16.80	0.00	10.55	6.77	0.26	32.03	1.30
2000/01	5	0.00	0.22	1.08	6.29	1.08	3.25	6.07	15.84	3.90	8.03	0.00	6.94	6.07	0.00	14.10	27.11
2001/02	6	0.00	4.05	4.05	6.07	2.02	2.23	7.49	22.67	3.24	7.09	0.20	14.57	0.40	0.61	17.61	7.69
2002/03	7	0.00	1.46	7.17	11.71	6.00	7.32	0.88	15.52	2.78	7.32	4.25	19.77	8.93	0.00	4.10	2.78
2003/04	8	0.00	0.00	14.51	4.26	1.46	1.07	1.86	18.24	0.53	1.20	3.60	15.31	1.86	0.00	31.56	4.53
2004/05	9	0.00	0.00	1.26	7.11	2.09	1.26	0.00	5.02	0.00	0.84	20.50	17.99	2.09	0.00	36.40	5.44
2005/06	10	0.00	0.00	5.57	0.00	4.88	1.05	1.39	25.44	0.00	21.60	17.07	8.01	0.70	0.00	14.29	0.00
2006/07	11	0.00	1.14	11.43	0.00	22.29	0.29	13.14	19.71	0.00	19.43	5.71	0.29	1.14	0.00	5.43	0.00
2007/08	12	0.00	1.29	6.45	0.00	34.19	0.00	0.00	31.61	0.00	9.68	3.23	10.32	0.65	2.58	0.00	0.00
2008/09	13	0.00	0.00	0.00	0.37	38.96	0.00	1.67	10.58	0.00	25.97	0.00	5.19	14.10	1.67	1.48	0.00
2009/10	14	0.00	0.00	0.00	0.00	51.52	0.00	0.00	7.79	0.87	29.00	3.46	2.60	2.16	0.43	2.16	0.00
2010/11	15	0.00	0.00	0.00	0.00	52.77	0.00	4.80	4.43	0.74	7.75	0.74	0.74	15.50	1.48	11.07	0.00
2011/12	16	0.00	0.00	0.00	0.00	44.55	0.00	0.50	28.22	1.49	8.91	0.00	2.97	0.00	0.00	13.37	0.00
2012/13	17	0.00	0.00	0.00	0.00	73.68	0.88	0.00	0.00	1.75	11.40	0.00	3.51	0.00	0.00	8.77	0.00
2013/14	18	0.00	0.00	0.00	0.00	17.34	0.73	0.00	69.71	0.00	0.91	0.00	11.31	0.00	0.00	0.00	0.00
2014/15	19	0.00	0.00	0.00	0.00	28.99	0.42	3.78	45.80	0.00	7.14	2.94	8.82	2.10	0.00	0.00	0.00

Grey plover: mean populations

STOUR		Section																				Total	
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38		39-40
1996/97	1	10.50	7.00	109.00	10.50	4.00	247.00	30.00	36.00	195.00	122.50	0.00	100.00	3.50	26.00	106.50	675.00	80.00	177.00	4.50	21.50	17.00	1982.50
1999/00	2	12.00	28.00	46.67	48.33	61.00	365.33	127.67	35.33	0.00	10.67	0.00	38.00	17.33	13.67	82.00	126.33	206.67	182.67	23.67	38.67	43.33	1507.33
2000/01	3	8.00	25.67	155.67	83.67	48.67	411.00	175.00	21.33	1.33	3.67	0.00	10.33	7.33	27.00	90.33	145.00	301.00	191.67	18.67	48.67	44.67	1818.67
2001/02	4	53.50	38.00	135.25	61.25	18.00	69.25	33.00	36.50	7.75	64.00	0.50	48.25	5.00	5.75	49.75	108.25	340.50	142.75	28.25	110.50	104.00	1460.00
2002/03	5	34.00	38.25	188.75	118.25	30.25	117.50	161.25	33.75	1.25	13.00	0.25	34.00	4.75	12.25	61.25	195.50	457.75	133.75	25.00	23.75	30.50	1715.00
2003/04	6	30.00	29.25	133.00	107.50	59.50	88.25	38.00	35.25	4.75	12.00	0.50	53.25	24.00	24.50	32.00	195.75	376.50	190.50	15.75	9.00	32.50	1491.75
2004/05	7	42.50	51.25	45.00	96.50	75.00	71.50	69.00	22.25	0.25	19.25	0.00	32.00	7.00	16.25	17.00	214.00	457.50	293.75	42.00	12.75	44.00	1628.75
2005/06	8	23.75	26.75	81.25	60.00	125.25	123.50	44.75	28.00	0.75	20.25	0.00	42.00	8.00	21.25	99.75	262.00	304.50	230.25	36.25	15.50	50.25	1604.00
2006/07	9	62.00	92.00	102.25	113.75	39.00	55.00	80.25	62.00	2.00	7.75	0.00	29.00	9.50	23.75	36.75	108.50	243.50	282.75	19.00	13.75	44.00	1426.50
2007/08	10	8.00	16.50	70.00	41.50	73.50	413.00	62.50	31.00	0.00	1.50	1.00	1.50	1.00	2.00	224.50	272.00	655.00	132.00	16.00	9.50	45.00	2077.00
2008/09	11	105.67	28.33	32.00	30.00	76.67	196.33	207.00	15.67	0.00	0.33	0.33	1.33	1.00	14.67	54.67	344.33	187.33	16.33	13.33	35.67	56.67	1417.67
2009/10	12	30.50	56.75	78.75	81.25	67.00	159.00	34.00	35.75	0.25	11.75	0.00	6.50	13.25	64.75	11.75	316.50	79.25	55.00	13.50	28.50	39.00	1183.00
2010/11	13	39.50	87.00	91.25	69.75	36.75	72.50	28.50	21.75	0.75	8.50	0.50	9.00	4.00	18.00	59.00	69.75	66.00	90.50	28.75	13.00	43.00	857.75
2011/12	14	16.25	31.75	38.50	30.25	22.50	68.00	10.75	13.25	0.25	10.25	1.00	20.25	17.50	11.25	77.50	293.50	36.75	91.75	12.50	19.25	35.00	858.00
2012/13	15	15.50	29.00	61.50	45.00	67.00	72.50	12.50	4.50	0.00	61.50	0.00	11.00	4.00	3.50	13.00	398.00	63.00	238.00	8.50	52.00	67.50	1227.50
2013/14	16	14.33	17.00	58.67	38.33	40.33	44.00	20.33	3.33	1.00	5.67	0.00	4.00	14.33	7.33	28.33	222.67	46.00	93.67	20.00	9.00	33.00	721.33
2014/15	17	63.67	54.67	136.00	228.67	33.67	64.67	77.33	18.00	2.00	10.00	0.00	3.33	5.33	0.67	39.33	55.67	51.33	38.67	14.67	56.67	22.67	977.00

ORWELL		Section																Total
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	
1996/97	1	0.00	1.33	0.33	1.00	3.33	14.33	13.00	7.33	4.67	11.00	0.00	8.67	29.67	27.00	38.67	2.33	162.67
1997/98	2	0.00	1.60	2.20	0.40	5.80	6.60	10.20	10.80	7.80	8.80	0.00	19.20	39.60	81.60	46.80	0.60	242.00
1998/99	3	0.00	0.33	1.00	3.33	8.67	8.67	7.00	8.33	7.33	11.67	0.00	15.67	32.00	36.67	28.00	1.33	170.00
1999/00	4	0.00	0.75	1.00	3.00	5.50	1.75	11.00	16.50	16.00	11.50	0.00	24.50	83.25	49.75	19.50	0.50	244.50
2000/01	5	0.00	0.00	1.00	0.50	2.75	1.25	14.00	19.00	9.75	8.50	1.25	23.50	64.50	71.00	16.00	1.75	234.75
2001/02	6	0.00	0.00	0.00	22.25	5.25	2.50	9.25	17.50	5.25	6.75	12.75	20.00	35.00	48.75	17.75	2.00	205.00
2002/03	7	0.00	0.50	1.50	5.75	6.50	1.50	8.50	23.00	9.75	10.25	10.00	14.50	79.00	86.25	32.00	3.50	292.50
2003/04	8	0.00	0.00	0.00	4.50	3.50	2.25	13.75	26.00	3.25	10.00	8.25	25.50	66.75	80.00	20.50	2.75	267.00
2004/05	9	0.00	0.00	0.00	0.00	3.00	0.00	13.00	15.50	3.00	3.00	2.00	29.00	145.50	34.50	6.50	0.00	255.00
2005/06	10	0.00	0.00	0.00	2.00	12.67	3.00	17.33	16.33	1.00	10.33	7.33	26.00	85.33	31.33	6.33	1.33	220.33
2006/07	11	0.00	0.00	0.00	0.00	6.25	1.50	11.00	13.25	0.00	3.25	1.75	32.25	60.00	37.75	2.50	0.00	169.50
2007/08	12	0.00	0.00	0.00	0.00	3.33	0.67	18.33	17.00	1.67	9.00	2.00	17.33	109.00	17.00	2.00	0.00	197.33
2008/09	13	0.00	0.00	0.00	4.00	11.25	1.00	5.00	16.00	2.00	15.75	1.75	43.50	74.75	49.25	0.75	0.00	225.00
2009/10	14	0.00	0.00	0.00	0.33	8.33	0.33	6.00	16.67	2.33	11.00	14.33	9.33	126.33	92.00	7.33	0.00	294.33
2010/11	15	0.00	7.00	0.00	0.00	8.00	0.33	5.67	14.67	2.00	4.33	0.33	10.67	86.33	45.00	9.00	0.67	194.00
2011/12	16	0.00	2.33	2.67	0.00	6.67	0.67	2.67	12.67	3.67	5.33	1.00	8.33	54.00	88.67	13.33	1.67	203.67
2012/13	17	0.00	0.00	0.00	0.00	10.00	0.33	2.33	49.67	1.67	6.67	1.00	11.00	35.33	57.33	7.00	1.33	183.67
2013/14	18	0.00	0.00	0.00	1.00	8.25	1.75	6.50	28.00	1.25	4.50	0.00	25.25	53.50	54.50	2.75	1.00	188.25
2014/15	19	0.00	0.00	0.67	0.00	6.00	0.33	3.67	19.33	1.33	7.33	1.67	10.00	119.00	82.33	1.33	0.00	253.00

Grey plover: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	0.53	0.35	5.50	0.53	0.20	12.46	1.51	1.82	9.84	6.18	0.00	5.04	0.18	1.31	5.37	34.05	4.04	8.93	0.23	1.08	0.86
1999/00	2	0.80	1.86	3.10	3.21	4.05	24.24	8.47	2.34	0.00	0.71	0.00	2.52	1.15	0.91	5.44	8.38	13.71	12.12	1.57	2.57	2.87
2000/01	3	0.44	1.41	8.56	4.60	2.68	22.60	9.62	1.17	0.07	0.20	0.00	0.57	0.40	1.48	4.97	7.97	16.55	10.54	1.03	2.68	2.46
2001/02	4	3.66	2.60	9.26	4.20	1.23	4.74	2.26	2.50	0.53	4.38	0.03	3.30	0.34	0.39	3.41	7.41	23.32	9.78	1.93	7.57	7.12
2002/03	5	1.98	2.23	11.01	6.90	1.76	6.85	9.40	1.97	0.07	0.76	0.01	1.98	0.28	0.71	3.57	11.40	26.69	7.80	1.46	1.38	1.78
2003/04	6	2.01	1.96	8.92	7.21	3.99	5.92	2.55	2.36	0.32	0.80	0.03	3.57	1.61	1.64	2.15	13.12	25.24	12.77	1.06	0.60	2.18
2004/05	7	2.61	3.15	2.76	5.92	4.60	4.39	4.24	1.37	0.02	1.18	0.00	1.96	0.43	1.00	1.04	13.14	28.09	18.04	2.58	0.78	2.70
2005/06	8	1.48	1.67	5.07	3.74	7.81	7.70	2.79	1.75	0.05	1.26	0.00	2.62	0.50	1.32	6.22	16.33	18.98	14.35	2.26	0.97	3.13
2006/07	9	4.35	6.45	7.17	7.97	2.73	3.86	5.63	4.35	0.14	0.54	0.00	2.03	0.67	1.66	2.58	7.61	17.07	19.82	1.33	0.96	3.08
2007/08	10	0.39	0.79	3.37	2.00	3.54	19.88	3.01	1.49	0.00	0.07	0.05	0.07	0.05	0.10	10.81	13.10	31.54	6.36	0.77	0.46	2.17
2008/09	11	7.45	2.00	2.26	2.12	5.41	13.85	14.60	1.11	0.00	0.02	0.02	0.09	0.07	1.03	3.86	24.29	13.21	1.15	0.94	2.52	4.00
2009/10	12	2.58	4.80	6.66	6.87	5.66	13.44	2.87	3.02	0.02	0.99	0.00	0.55	1.12	5.47	0.99	26.75	6.70	4.65	1.14	2.41	3.30
2010/11	13	4.61	10.14	10.64	8.13	4.28	8.45	3.32	2.54	0.09	0.99	0.06	1.05	0.47	2.10	6.88	8.13	7.69	10.55	3.35	1.52	5.01
2011/12	14	1.89	3.70	4.49	3.53	2.62	7.93	1.25	1.54	0.03	1.19	0.12	2.36	2.04	1.31	9.03	34.21	4.28	10.69	1.46	2.24	4.08
2012/13	15	1.26	2.36	5.01	3.67	5.46	5.91	1.02	0.37	0.00	5.01	0.00	0.90	0.33	0.29	1.06	32.42	5.13	19.39	0.69	4.24	5.50
2013/14	16	1.99	2.36	8.13	5.31	5.59	6.10	2.82	0.46	0.14	0.79	0.00	0.55	1.99	1.02	3.93	30.87	6.38	12.99	2.77	1.25	4.57
2014/15	17	6.52	5.60	13.92	23.40	3.45	6.62	7.92	1.84	0.20	1.02	0.00	0.34	0.55	0.07	4.03	5.70	5.25	3.96	1.50	5.80	2.32

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.00	0.82	0.20	0.61	2.05	8.81	7.99	4.51	2.87	6.76	0.00	5.33	18.24	16.60	23.77	1.43
1997/98	2	0.00	0.66	0.91	0.17	2.40	2.73	4.21	4.46	3.22	3.64	0.00	7.93	16.36	33.72	19.34	0.25
1998/99	3	0.00	0.20	0.59	1.96	5.10	5.10	4.12	4.90	4.31	6.86	0.00	9.22	18.82	21.57	16.47	0.78
1999/00	4	0.00	0.31	0.41	1.23	2.25	0.72	4.50	6.75	6.54	4.70	0.00	10.02	34.05	20.35	7.98	0.20
2000/01	5	0.00	0.00	0.43	0.21	1.17	0.53	5.96	8.09	4.15	3.62	0.53	10.01	27.48	30.24	6.82	0.75
2001/02	6	0.00	0.00	0.00	10.85	2.56	1.22	4.51	8.54	2.56	3.29	6.22	9.76	17.07	23.78	8.66	0.98
2002/03	7	0.00	0.17	0.51	1.97	2.22	0.51	2.91	7.86	3.33	3.50	3.42	4.96	27.01	29.49	10.94	1.20
2003/04	8	0.00	0.00	0.00	1.69	1.31	0.84	5.15	9.74	1.22	3.75	3.09	9.55	25.00	29.96	7.68	1.03
2004/05	9	0.00	0.00	0.00	0.00	1.18	0.00	5.10	6.08	1.18	1.18	0.78	11.37	57.06	13.53	2.55	0.00
2005/06	10	0.00	0.00	0.00	0.91	5.75	1.36	7.87	7.41	0.45	4.69	3.33	11.80	38.73	14.22	2.87	0.61
2006/07	11	0.00	0.00	0.00	0.00	3.69	0.88	6.49	7.82	0.00	1.92	1.03	19.03	35.40	22.27	1.47	0.00
2007/08	12	0.00	0.00	0.00	0.00	1.69	0.34	9.29	8.61	0.84	4.56	1.01	8.78	55.24	8.61	1.01	0.00
2008/09	13	0.00	0.00	0.00	1.78	5.00	0.44	2.22	7.11	0.89	7.00	0.78	19.33	33.22	21.89	0.33	0.00
2009/10	14	0.00	0.00	0.00	0.11	2.83	0.11	2.04	5.66	0.79	3.74	4.87	3.17	42.92	31.26	2.49	0.00
2010/11	15	0.00	3.61	0.00	0.00	4.12	0.17	2.92	7.56	1.03	2.23	0.17	5.50	44.50	23.20	4.64	0.34
2011/12	16	0.00	1.15	1.31	0.00	3.27	0.33	1.31	6.22	1.80	2.62	0.49	4.09	26.51	43.54	6.55	0.82
2012/13	17	0.00	0.00	0.00	0.00	5.44	0.18	1.27	27.04	0.91	3.63	0.54	5.99	19.24	31.22	3.81	0.73
2013/14	18	0.00	0.00	0.00	0.53	4.38	0.93	3.45	14.87	0.66	2.39	0.00	13.41	28.42	28.95	1.46	0.53
2014/15	19	0.00	0.00	0.26	0.00	2.37	0.13	1.45	7.64	0.53	2.90	0.66	3.95	47.04	32.54	0.53	0.00

Knot: mean numbers

STOUR		Section																				Total	
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38		39-40
1996/97	1	536.00	52.50	23.50	87.50	0.00	45.00	482.00	0.00	0.00	37.50	0.00	1000.00	661.00	400.00	21.50	145.00	0.00	91.00	0.00	62.50	289.00	3934.00
1999/00	2	140.67	8.00	185.33	0.00	0.00	65.33	31.00	111.33	0.00	97.67	0.00	492.00	237.33	52.67	66.00	8.00	351.00	307.33	0.00	145.67	0.00	2299.33
2000/01	3	83.33	7.67	150.67	35.67	0.00	513.67	2.67	506.33	1.00	417.67	0.00	1710.00	269.33	524.00	0.00	15.33	288.33	216.67	0.00	44.00	280.33	5066.67
2001/02	4	164.00	0.00	47.75	10.00	0.00	896.25	183.00	292.25	0.00	102.50	0.00	715.00	322.00	466.50	152.50	109.00	160.75	376.25	0.00	48.50	312.50	4358.75
2002/03	5	407.50	3.50	131.75	360.50	0.00	199.25	166.25	905.75	0.00	86.00	0.00	1232.75	105.75	148.25	0.00	32.50	15.00	266.25	0.50	13.00	309.25	4383.75
2003/04	6	279.50	0.00	2.00	39.75	0.00	388.75	70.50	1352.25	0.25	213.00	0.00	1025.00	282.50	251.75	32.50	170.75	191.75	416.50	0.00	41.00	185.25	4943.00
2004/05	7	130.75	14.00	39.00	109.25	0.00	367.25	396.75	20.25	0.50	185.50	0.00	520.00	328.25	149.25	29.25	148.00	1628.75	1258.25	3.50	12.50	57.75	5398.75
2005/06	8	6.00	0.75	21.25	23.25	0.00	1053.00	170.25	1368.50	10.50	31.75	0.00	69.25	549.75	1227.25	0.00	268.25	1137.50	712.00	12.75	30.00	307.00	6999.00
2006/07	9	156.25	182.50	551.25	669.00	0.00	290.75	346.25	1575.25	15.25	70.00	0.00	910.25	1855.00	649.00	0.00	184.50	1317.50	1305.50	0.00	15.00	847.00	10940.25
2007/08	10	57.00	0.00	113.00	4.00	0.00	594.00	390.00	370.50	5.50	465.00	0.00	52.50	29.50	31.00	51.00	228.50	330.00	661.00	0.00	11.00	572.50	3966.00
2008/09	11	254.67	3.33	20.33	213.33	200.00	2215.67	257.33	218.00	4.00	189.00	0.00	188.67	222.33	182.00	0.00	67.00	114.00	707.67	0.00	0.33	99.00	5156.67
2009/10	12	153.25	188.75	72.25	180.25	0.00	755.50	83.75	297.50	49.00	31.75	0.00	856.25	729.50	372.75	0.00	50.25	85.25	273.50	0.00	197.25	232.50	4609.25
2010/11	13	898.00	16.00	116.00	212.25	1.25	492.25	324.50	609.25	3.50	2.00	0.00	420.25	245.00	400.00	375.00	44.50	108.50	752.00	1.75	51.25	969.75	6043.00
2011/12	14	74.00	1.00	82.00	108.75	123.50	1018.00	91.25	80.25	1.75	325.50	0.00	633.75	125.00	1004.50	40.25	296.75	205.00	365.50	0.00	201.00	91.00	4868.75
2012/13	15	220.00	0.00	8.50	158.00	12.00	1933.00	42.50	199.50	0.00	45.50	0.00	458.50	117.50	1356.50	8.00	197.00	240.00	353.00	0.00	125.00	1422.00	6896.50
2013/14	16	99.33	5.33	22.33	48.00	103.67	2612.67	692.67	720.33	0.00	30.33	0.00	231.00	890.33	5.33	667.33	575.67	67.33	75.67	0.00	528.33	502.00	7877.67
2014/15	17	248.67	0.00	94.67	0.00	0.00	146.67	515.00	582.67	31.33	1188.67	0.00	4.33	990.67	233.33	0.67	156.33	50.33	226.00	0.00	406.67	866.67	5742.67

ORWELL		Section																Total
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	
1996/97	1	0.00	0.00	0.00	0.00	0.00	0.00	2.33	0.00	0.00	0.00	0.00	0.00	316.67	275.33	24.00	6.00	624.33
1997/98	2	0.00	89.80	8.80	43.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	200.00	290.00	696.00	229.20	51.40	1608.20
1998/99	3	0.00	0.00	0.00	34.67	12.33	0.00	2.67	0.00	0.00	0.00	0.00	200.00	256.67	165.00	105.00	221.67	998.00
1999/00	4	0.50	107.00	6.00	267.00	1.75	0.00	0.00	0.00	0.00	1.75	0.00	75.00	340.00	0.50	150.00	6.75	956.25
2000/01	5	0.00	55.50	0.00	60.00	6.50	0.00	0.00	0.50	0.00	0.00	0.00	7.75	285.75	27.00	317.25	39.75	800.00
2001/02	6	0.00	0.00	0.00	22.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30.75	286.75	3.75	204.25	0.00	548.00
2002/03	7	0.00	8.00	32.00	570.00	24.75	9.50	0.00	0.00	0.00	6.75	33.50	52.00	339.75	189.25	540.00	303.75	2109.25
2003/04	8	0.00	0.00	30.25	109.50	140.75	0.25	40.25	0.00	0.00	6.75	5.50	3.25	420.50	90.75	875.00	90.00	1812.75
2004/05	9	0.00	0.00	0.00	34.00	26.00	0.00	0.00	0.00	0.00	0.00	25.50	2.00	1300.00	301.50	186.50	237.50	2113.00
2005/06	10	0.00	0.00	0.00	42.33	0.67	16.00	333.33	0.00	0.00	0.00	0.00	7.00	535.33	86.33	40.00	1.67	1062.67
2006/07	11	0.00	0.00	0.00	172.75	4.75	52.00	21.00	0.50	0.00	0.00	0.00	10.00	60.50	392.25	1.00	0.00	714.75
2007/08	12	0.00	0.00	5.33	111.33	17.67	16.67	13.67	0.00	0.00	0.33	330.00	393.33	530.67	0.33	29.67	9.00	1458.00
2008/09	13	0.00	2.50	0.50	113.25	1.75	8.00	2.50	0.25	0.00	49.50	23.50	2.00	783.50	193.25	750.00	0.50	1931.00
2009/10	14	0.00	0.00	0.00	31.33	24.33	10.33	0.00	1.33	0.00	52.67	64.00	80.67	843.33	1204.00	543.33	0.00	2855.33
2010/11	15	0.00	10.33	10.00	48.33	141.33	0.00	2.33	0.00	0.00	15.00	0.67	5.67	543.33	254.67	18.00	23.67	1073.33
2011/12	16	0.00	14.67	0.00	137.00	2.67	10.00	0.00	14.67	0.00	0.00	18.33	5.67	729.00	699.33	214.00	0.00	1845.33
2012/13	17	0.00	2.67	0.00	13.00	16.33	53.67	0.00	0.00	0.00	0.33	1.00	7.00	141.00	350.00	933.33	0.00	1518.33
2013/14	18	0.00	0.00	30.00	8.00	132.50	13.25	4.75	0.75	0.00	0.00	0.00	3.75	19.50	649.75	1.50	0.00	863.75
2014/15	19	0.00	20.00	30.00	11.00	0.00	11.67	0.00	0.00	0.00	0.00	0.33	0.00	64.00	252.00	0.67	0.00	389.67

Knot: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	13.62	1.33	0.60	2.22	0.00	1.14	12.25	0.00	0.00	0.95	0.00	25.42	16.80	10.17	0.55	3.69	0.00	2.31	0.00	1.59	7.35
1999/00	2	6.12	0.35	8.06	0.00	0.00	2.84	1.35	4.84	0.00	4.25	0.00	21.40	10.32	2.29	2.87	0.35	15.27	13.37	0.00	6.34	0.00
2000/01	3	1.64	0.15	2.97	0.70	0.00	10.14	0.05	9.99	0.02	8.24	0.00	33.75	5.32	10.34	0.00	0.30	5.69	4.28	0.00	0.87	5.53
2001/02	4	3.76	0.00	1.10	0.23	0.00	20.56	4.20	6.70	0.00	2.35	0.00	16.40	7.39	10.70	3.50	2.50	3.69	8.63	0.00	1.11	7.17
2002/03	5	9.30	0.08	3.01	8.22	0.00	4.55	3.79	20.66	0.00	1.96	0.00	28.12	2.41	3.38	0.00	0.74	0.34	6.07	0.01	0.30	7.05
2003/04	6	5.65	0.00	0.04	0.80	0.00	7.86	1.43	27.36	0.01	4.31	0.00	20.74	5.72	5.09	0.66	3.45	3.88	8.43	0.00	0.83	3.75
2004/05	7	2.42	0.26	0.72	2.02	0.00	6.80	7.35	0.38	0.01	3.44	0.00	9.63	6.08	2.76	0.54	2.74	30.17	23.31	0.06	0.23	1.07
2005/06	8	0.09	0.01	0.30	0.33	0.00	15.05	2.43	19.55	0.15	0.45	0.00	0.99	7.85	17.53	0.00	3.83	16.25	10.17	0.18	0.43	4.39
2006/07	9	1.43	1.67	5.04	6.12	0.00	2.66	3.16	14.40	0.14	0.64	0.00	8.32	16.96	5.93	0.00	1.69	12.04	11.93	0.00	0.14	7.74
2007/08	10	1.44	0.00	2.85	0.10	0.00	14.98	9.83	9.34	0.14	11.72	0.00	1.32	0.74	0.78	1.29	5.76	8.32	16.67	0.00	0.28	14.44
2008/09	11	4.94	0.06	0.39	4.14	3.88	42.97	4.99	4.23	0.08	3.67	0.00	3.66	4.31	3.53	0.00	1.30	2.21	13.72	0.00	0.01	1.92
2009/10	12	3.32	4.10	1.57	3.91	0.00	16.39	1.82	6.45	1.06	0.69	0.00	18.58	15.83	8.09	0.00	1.09	1.85	5.93	0.00	4.28	5.04
2010/11	13	14.86	0.26	1.92	3.51	0.02	8.15	5.37	10.08	0.06	0.03	0.00	6.95	4.05	6.62	6.21	0.74	1.80	12.44	0.03	0.85	16.05
2011/12	14	1.52	0.02	1.68	2.23	2.54	20.91	1.87	1.65	0.04	6.69	0.00	13.02	2.57	20.63	0.83	6.09	4.21	7.51	0.00	4.13	1.87
2012/13	15	3.19	0.00	0.12	2.29	0.17	28.03	0.62	2.89	0.00	0.66	0.00	6.65	1.70	19.67	0.12	2.86	3.48	5.12	0.00	1.81	20.62
2013/14	16	1.26	0.07	0.28	0.61	1.32	33.17	8.79	9.14	0.00	0.39	0.00	2.93	11.30	0.07	8.47	7.31	0.85	0.96	0.00	6.71	6.37
2014/15	17	4.33	0.00	1.65	0.00	0.00	2.55	8.97	10.15	0.55	20.70	0.00	0.08	17.25	4.06	0.01	2.72	0.88	3.94	0.00	7.08	15.09

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.00	0.00	0.00	0.00	0.00	0.00	0.37	0.00	0.00	0.00	0.00	0.00	50.72	44.10	3.84	0.96
1997/98	2	0.00	5.58	0.55	2.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.44	18.03	43.28	14.25	3.20
1998/99	3	0.00	0.00	0.00	3.47	1.24	0.00	0.27	0.00	0.00	0.00	0.00	20.04	25.72	16.53	10.52	22.21
1999/00	4	0.05	11.19	0.63	27.92	0.18	0.00	0.00	0.00	0.18	0.00	0.00	7.84	35.56	0.05	15.69	0.71
2000/01	5	0.00	6.94	0.00	7.50	0.81	0.00	0.00	0.06	0.00	0.00	0.00	0.97	35.72	3.38	39.66	4.97
2001/02	6	0.00	0.00	0.00	4.11	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.61	52.33	0.68	37.27	0.00
2002/03	7	0.00	0.38	1.52	27.02	1.17	0.45	0.00	0.00	0.32	1.59	2.47	16.11	8.97	25.60	14.40	
2003/04	8	0.00	0.00	1.67	6.04	7.76	0.01	2.22	0.00	0.37	0.30	0.18	23.20	5.01	48.27	4.96	
2004/05	9	0.00	0.00	0.00	1.61	1.23	0.00	0.00	0.00	0.00	1.21	0.09	61.52	14.27	8.83	11.24	
2005/06	10	0.00	0.00	0.00	3.98	0.06	1.51	31.37	0.00	0.00	0.00	0.00	0.66	50.38	8.12	3.76	0.16
2006/07	11	0.00	0.00	0.00	24.17	0.66	7.28	2.94	0.07	0.00	0.00	0.00	1.40	8.46	54.88	0.14	0.00
2007/08	12	0.00	0.00	0.37	7.64	1.21	1.14	0.94	0.00	0.00	0.02	22.63	26.98	36.40	0.02	2.03	0.62
2008/09	13	0.00	0.13	0.03	5.86	0.09	0.41	0.13	0.01	0.00	2.56	1.22	0.10	40.57	10.01	38.84	0.03
2009/10	14	0.00	0.00	0.00	1.10	0.85	0.36	0.00	0.05	0.00	1.84	2.24	2.83	29.54	42.17	19.03	0.00
2010/11	15	0.00	0.96	0.93	4.50	13.17	0.00	0.22	0.00	0.00	1.40	0.06	0.53	50.62	23.73	1.68	2.20
2011/12	16	0.00	0.79	0.00	7.42	0.14	0.54	0.00	0.79	0.00	0.00	0.99	0.31	39.51	37.90	11.60	0.00
2012/13	17	0.00	0.18	0.00	0.86	1.08	3.53	0.00	0.00	0.00	0.02	0.07	0.46	9.29	23.05	61.47	0.00
2013/14	18	0.00	0.00	3.47	0.93	15.34	1.53	0.55	0.09	0.00	0.00	0.00	0.43	2.26	75.22	0.17	0.00
2014/15	19	0.00	5.13	7.70	2.82	0.00	2.99	0.00	0.00	0.00	0.00	0.09	0.00	16.42	64.67	0.17	0.00

Dunlin: mean numbers

STOUR	Section	Section																				Total	
		Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35		36-37
1996/97	1	263.00	130.50	295.50	48.00	75.00	994.50	925.00	912.00	237.50	710.50	0.50	1060.00	137.00	55.00	1279.50	4090.00	115.00	273.00	5.50	150.50	664.00	12421.50
1999/00	2	235.00	202.00	1007.67	383.33	43.33	1104.00	968.67	1168.67	69.00	540.00	1.00	1410.00	385.67	75.67	260.00	394.33	330.00	631.67	71.00	253.00	771.67	10305.67
2000/01	3	522.33	361.00	1115.67	342.33	78.67	1034.67	846.00	1589.67	11.67	122.00	0.00	1048.67	238.00	1383.00	753.00	667.33	341.67	603.00	65.67	207.33	782.67	12114.33
2001/02	4	660.75	127.50	1038.75	728.00	51.25	1246.50	944.00	868.25	24.50	230.50	0.75	1905.00	882.25	1332.25	439.25	770.50	285.50	526.75	151.75	406.00	639.50	13259.50
2002/03	5	561.50	107.50	1132.00	518.25	41.00	829.75	824.50	977.50	255.50	334.00	2.50	1190.00	167.50	302.75	286.00	778.50	277.75	669.50	86.25	332.25	669.00	10343.50
2003/04	6	271.75	42.75	667.00	720.00	111.00	502.25	474.50	566.50	14.00	248.00	0.25	751.25	497.75	581.00	614.25	1531.00	164.00	701.50	68.00	176.00	941.50	9644.25
2004/05	7	458.75	55.00	1234.50	809.50	90.25	908.75	705.75	360.00	2.50	228.00	0.00	827.75	544.25	839.25	449.50	1918.50	390.00	1142.00	153.25	138.50	297.75	11553.75
2005/06	8	292.50	61.50	658.00	384.25	161.25	1237.00	1412.75	1049.50	11.25	63.50	0.00	195.50	957.25	658.25	904.75	1706.50	153.75	1645.00	203.00	187.25	524.50	12467.25
2006/07	9	531.75	102.00	1009.75	802.50	80.25	698.50	642.75	1663.75	7.75	129.25	0.00	640.00	1261.50	398.00	798.50	1692.75	597.50	1168.75	17.75	73.50	894.75	13211.25
2007/08	10	445.00	61.00	1003.50	367.50	80.00	1730.00	2265.00	1120.00	111.50	76.00	1.50	40.50	62.00	28.50	1274.00	2016.00	200.00	2237.50	64.00	83.50	641.00	13908.00
2008/09	11	535.33	136.33	650.67	279.33	110.00	1386.33	1803.00	340.00	57.67	18.00	6.33	97.00	406.33	916.00	1006.67	3018.67	335.00	1270.67	72.00	160.67	596.67	13202.67
2009/10	12	275.00	85.50	521.50	1654.00	113.25	1165.50	1075.00	3191.75	112.25	31.00	2.75	164.25	810.50	1163.00	554.50	1990.50	347.50	934.00	385.50	276.75	516.25	15370.25
2010/11	13	808.50	123.00	446.75	888.25	102.75	1155.75	829.75	2096.25	57.75	85.75	11.50	617.00	209.00	364.25	423.25	1773.75	210.25	1394.75	91.50	335.00	1282.75	13307.50
2011/12	14	399.75	285.75	368.00	826.25	71.75	2052.75	855.75	888.75	179.25	446.75	13.75	955.75	423.00	300.00	491.00	3025.25	138.25	1421.25	64.75	133.00	241.50	13582.25
2012/13	15	281.50	91.50	683.50	414.50	78.50	1543.50	407.50	264.50	17.00	190.00	2.00	256.50	100.00	43.50	731.00	2923.00	136.00	1544.00	86.50	175.00	1176.50	11146.00
2013/14	16	581.00	114.00	637.67	178.67	164.00	970.33	1534.00	29.33	48.33	243.33	0.00	335.00	116.33	153.00	775.67	955.33	63.33	681.67	67.00	209.67	328.00	8185.67
2014/15	17	620.33	112.67	1653.00	3245.67	180.00	577.33	984.67	610.00	17.67	132.00	0.00	120.33	164.33	106.67	181.00	1207.67	127.67	1338.67	46.00	173.33	934.67	12533.67

ORWELL	Section	Section																	Total
		Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	
1996/97	1	2.67	91.67	21.33	955.33	210.00	355.00	437.00	246.00	8.33	987.67	0.00	228.33	790.00	1553.00	651.33	69.00	6606.67	
1997/98	2	0.00	170.60	9.20	392.40	156.00	81.00	67.80	94.60	14.60	733.40	0.40	215.60	470.00	1212.60	670.60	562.00	4850.80	
1998/99	3	1.00	55.33	11.00	487.00	177.33	111.67	90.33	96.67	691.67	391.33	0.00	406.00	233.33	669.00	932.00	646.67	5000.33	
1999/00	4	0.25	23.50	10.25	169.25	44.50	5.75	112.75	111.75	50.25	441.25	0.00	299.00	435.75	660.25	525.75	133.00	3023.25	
2000/01	5	0.00	9.00	27.25	189.25	31.75	5.50	38.50	55.50	14.00	276.00	0.00	178.25	295.25	461.25	460.00	183.50	2225.00	
2001/02	6	0.00	1.75	42.50	424.75	154.50	4.25	56.25	61.75	8.75	237.50	40.75	306.00	554.25	742.75	819.50	239.50	3694.75	
2002/03	7	0.00	45.50	214.50	567.50	133.75	19.75	50.75	109.75	12.50	563.50	18.25	194.25	370.50	513.50	791.75	535.00	4140.75	
2003/04	8	0.00	10.50	75.50	457.50	64.00	6.50	69.75	287.75	1.00	296.75	7.25	194.75	550.00	656.25	505.00	463.75	3646.25	
2004/05	9	0.00	0.00	13.50	214.00	16.50	3.50	75.00	91.00	0.00	653.00	5.50	150.50	414.00	1110.50	406.00	158.50	3311.50	
2005/06	10	0.00	0.00	92.33	434.00	13.00	0.67	122.00	260.00	0.33	318.00	0.67	136.33	681.67	315.67	314.67	2.33	2691.67	
2006/07	11	0.00	0.00	171.75	292.75	75.25	0.00	650.00	149.00	4.00	291.00	2.25	87.25	614.75	406.50	22.75	15.75	2783.00	
2007/08	12	0.00	0.67	2.33	18.33	48.33	45.67	132.00	288.33	0.33	587.67	1.33	385.00	574.33	754.00	5.67	0.00	2844.00	
2008/09	13	0.00	0.00	0.50	132.25	72.50	11.25	27.50	76.75	0.00	356.75	0.00	231.25	321.50	501.00	262.25	7.75	2001.25	
2009/10	14	0.00	2.33	0.00	1.00	24.67	0.00	2.33	187.33	3.00	223.33	1.67	236.33	611.33	428.00	256.00	0.00	1977.33	
2010/11	15	0.00	15.33	12.33	84.33	279.67	0.00	19.33	94.67	12.00	230.33	1.00	137.67	220.00	1028.33	555.00	16.00	2706.00	
2011/12	16	0.00	3.67	2.67	392.67	158.33	6.67	9.00	295.33	38.00	95.00	38.67	153.33	190.00	1169.00	648.33	11.33	3212.00	
2012/13	17	0.00	2.67	0.00	26.67	180.00	20.67	156.33	541.67	14.33	109.33	3.67	188.67	223.00	721.00	391.00	15.00	2594.00	
2013/14	18	0.00	2.25	1.25	160.00	177.00	10.75	43.00	456.50	9.75	60.50	0.75	300.00	129.25	600.50	2.25	0.00	1953.75	
2014/15	19	0.00	0.00	1.67	7.67	186.00	0.00	3.33	225.33	33.00	120.67	8.67	326.33	921.67	1151.33	3.00	0.00	2988.67	

Dunlin: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	2.12	1.05	2.38	0.39	0.60	8.01	7.45	7.34	1.91	5.72	0.00	8.53	1.10	0.44	10.30	32.93	0.93	2.20	0.04	1.21	5.35
1999/00	2	2.28	1.96	9.78	3.72	0.42	10.71	9.40	11.34	0.67	5.24	0.01	13.68	3.74	0.73	2.52	3.83	3.20	6.13	0.69	2.45	7.49
2000/01	3	4.31	2.98	9.21	2.83	0.65	8.54	6.98	13.12	0.10	1.01	0.00	8.66	1.96	11.42	6.22	5.51	2.82	4.98	0.54	1.71	6.46
2001/02	4	4.98	0.96	7.83	5.49	0.39	9.40	7.12	6.55	0.18	1.74	0.01	14.37	6.65	10.05	3.31	5.81	2.15	3.97	1.14	3.06	4.82
2002/03	5	5.43	1.04	10.94	5.01	0.40	8.02	7.97	9.45	2.47	3.23	0.02	11.50	1.62	2.93	2.77	7.53	2.69	6.47	0.83	3.21	6.47
2003/04	6	2.82	0.44	6.92	7.47	1.15	5.21	4.92	5.87	0.15	2.57	0.00	7.79	5.16	6.02	6.37	15.87	1.70	7.27	0.71	1.82	9.76
2004/05	7	3.97	0.48	10.68	7.01	0.78	7.87	6.11	3.12	0.02	1.97	0.00	7.16	4.71	7.26	3.89	16.60	3.38	9.88	1.33	1.20	2.58
2005/06	8	2.35	0.49	5.28	3.08	1.29	9.92	11.33	8.42	0.09	0.51	0.00	1.57	7.68	5.28	7.26	13.69	1.23	13.19	1.63	1.50	4.21
2006/07	9	4.02	0.77	7.64	6.07	0.61	5.29	4.87	12.59	0.06	0.98	0.00	4.84	9.55	3.01	6.04	12.81	4.52	8.85	0.13	0.56	6.77
2007/08	10	3.20	0.44	7.22	2.64	0.58	12.44	16.29	8.05	0.80	0.55	0.01	0.29	0.45	0.20	9.16	14.50	1.44	16.09	0.46	0.60	4.61
2008/09	11	4.05	1.03	4.93	2.12	0.83	10.50	13.66	2.58	0.44	0.14	0.05	0.73	3.08	6.94	7.62	22.86	2.54	9.62	0.55	1.22	4.52
2009/10	12	1.79	0.56	3.39	10.76	0.74	7.58	6.99	20.77	0.73	0.20	0.02	1.07	5.27	7.57	3.61	12.95	2.26	6.08	2.51	1.80	3.36
2010/11	13	6.08	0.92	3.36	6.67	0.77	8.68	6.24	15.75	0.43	0.64	0.09	4.64	1.57	2.74	3.18	13.33	1.58	10.48	0.69	2.52	9.64
2011/12	14	2.94	2.10	2.71	6.08	0.53	15.11	6.30	6.54	1.32	3.29	0.10	7.04	3.11	2.21	3.62	22.27	1.02	10.46	0.48	0.98	1.78
2012/13	15	2.53	0.82	6.13	3.72	0.70	13.85	3.66	2.37	0.15	1.70	0.02	2.30	0.90	0.39	6.56	26.22	1.22	13.85	0.78	1.57	10.56
2013/14	16	7.10	1.39	7.79	2.18	2.00	11.85	18.74	0.36	0.59	2.97	0.00	4.09	1.42	1.87	9.48	11.67	0.77	8.33	0.82	2.56	4.01
2014/15	17	4.95	0.90	13.19	25.90	1.44	4.61	7.86	4.87	0.14	1.05	0.00	0.96	1.31	0.85	1.44	9.64	1.02	10.68	0.37	1.38	7.46

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.04	1.39	0.32	14.46	3.18	5.37	6.61	3.72	0.13	14.95	0.00	3.46	11.96	23.51	9.86	1.04
1997/98	2	0.00	3.52	0.19	8.09	3.22	1.67	1.40	1.95	0.30	15.12	0.01	4.44	9.69	25.00	13.82	11.59
1998/99	3	0.02	1.11	0.22	9.74	3.55	2.23	1.81	1.93	13.83	7.83	0.00	8.12	4.67	13.38	18.64	12.93
1999/00	4	0.01	0.78	0.34	5.60	1.47	0.19	3.73	3.70	1.66	14.60	0.00	9.89	14.41	21.84	17.39	4.40
2000/01	5	0.00	0.40	1.22	8.51	1.43	0.25	1.73	2.49	0.63	12.40	0.00	8.01	13.27	20.73	20.67	8.25
2001/02	6	0.00	0.05	1.15	11.50	4.18	0.12	1.52	1.67	0.24	6.43	1.10	8.28	15.00	20.10	22.18	6.48
2002/03	7	0.00	1.10	5.18	13.71	3.23	0.48	1.23	2.65	0.30	13.61	0.44	4.69	8.95	12.40	19.12	12.92
2003/04	8	0.00	0.29	2.07	12.55	1.76	0.18	1.91	7.89	0.03	8.14	0.20	5.34	15.08	18.00	13.85	12.72
2004/05	9	0.00	0.00	0.41	6.46	0.50	0.11	2.26	2.75	0.00	19.72	0.17	4.54	12.50	33.53	12.26	4.79
2005/06	10	0.00	0.00	3.43	16.12	0.48	0.02	4.53	9.66	0.01	11.81	0.02	5.07	25.33	11.73	11.69	0.09
2006/07	11	0.00	0.00	6.17	10.52	2.70	0.00	23.36	5.35	0.14	10.46	0.08	3.14	22.09	14.61	0.82	0.57
2007/08	12	0.00	0.02	0.08	0.64	1.70	1.61	4.64	10.14	0.01	20.66	0.05	13.54	20.19	26.51	0.20	0.00
2008/09	13	0.00	0.00	0.02	6.61	3.62	0.56	1.37	3.84	0.00	17.83	0.00	11.56	16.06	25.03	13.10	0.39
2009/10	14	0.00	0.12	0.00	0.05	1.25	0.00	0.12	9.47	0.15	11.29	0.08	11.95	30.92	21.65	12.95	0.00
2010/11	15	0.00	0.57	0.46	3.12	10.34	0.00	0.71	3.50	0.44	8.51	0.04	5.09	8.13	38.00	20.51	0.59
2011/12	16	0.00	0.11	0.08	12.22	4.93	0.21	0.28	9.19	1.18	2.96	1.20	4.77	5.92	36.39	20.18	0.35
2012/13	17	0.00	0.10	0.00	1.03	6.94	0.80	6.03	20.88	0.55	4.21	0.14	7.27	8.60	27.79	15.07	0.58
2013/14	18	0.00	0.12	0.06	8.19	9.06	0.55	2.20	23.37	0.50	3.10	0.04	15.36	6.62	30.74	0.12	0.00
2014/15	19	0.00	0.00	0.06	0.26	6.22	0.00	0.11	7.54	1.10	4.04	0.29	10.92	30.84	38.52	0.10	0.00

Black-tailed godwit: mean numbers

STOUR		Section																				Total	
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38		39-40
1996/97	1	4.00	0.00	29.50	6.50	0.00	251.00	159.50	118.50	32.50	261.00	0.00	764.50	3.00	11.50	418.00	164.50	9.00	9.50	0.50	2.50	8.00	2253.50
1999/00	2	8.67	6.67	48.33	8.33	11.67	43.67	53.00	225.67	37.00	35.33	0.00	168.00	7.33	20.00	14.67	38.33	39.00	25.67	3.33	6.67	4.67	806.00
2000/01	3	2.00	0.67	42.00	22.00	8.33	339.67	471.33	421.33	1.00	9.67	0.00	13.33	190.00	140.33	16.67	29.67	13.33	3.67	1.67	19.67	1.67	1748.00
2001/02	4	2.00	1.00	19.50	5.00	1.50	41.25	165.75	527.25	4.75	22.50	0.00	106.50	16.50	72.00	93.75	48.25	27.75	12.75	0.75	7.75	5.00	1181.50
2002/03	5	4.00	4.75	42.75	7.25	1.75	143.25	179.25	173.50	1.00	18.00	0.00	281.00	62.25	107.75	27.00	46.50	25.00	0.75	8.00	9.00	48.75	1191.50
2003/04	6	7.00	1.75	56.50	20.75	1.00	112.75	182.50	261.50	17.75	28.25	0.25	35.50	30.50	33.75	26.25	149.50	17.00	11.25	2.25	13.00	1.50	1010.50
2004/05	7	5.75	0.00	95.75	22.50	2.25	76.75	52.25	298.50	11.00	134.25	1.00	159.75	34.25	30.00	14.00	88.75	12.75	2.50	0.50	0.00	3.50	1046.00
2005/06	8	19.75	3.25	37.25	3.25	1.00	142.75	111.25	150.25	19.50	26.75	0.50	28.50	3.25	3.50	39.75	105.00	6.25	25.25	15.25	9.00	14.00	765.25
2006/07	9	13.50	1.25	6.25	2.25	0.00	6.75	8.25	198.00	16.25	22.00	0.00	187.25	3.50	4.50	0.00	3.25	0.75	3.25	0.00	5.25	0.00	482.25
2007/08	10	0.00	2.00	30.00	3.50	4.00	37.00	7.00	76.50	32.50	82.50	1.00	2.50	3.00	0.50	218.50	53.00	2.50	29.00	0.00	0.50	0.50	586.00
2008/09	11	7.67	0.00	66.33	3.00	3.67	19.67	14.00	221.33	13.33	201.67	4.33	56.33	16.00	12.67	20.00	32.33	17.00	9.00	4.00	6.00	0.33	728.67
2009/10	12	1.25	4.50	22.50	12.25	2.00	7.50	10.50	161.75	9.50	84.50	1.25	89.50	0.00	0.00	21.75	52.25	16.75	61.00	0.50	5.50	2.50	567.25
2010/11	13	4.00	1.50	8.25	1.25	1.50	37.00	65.75	225.75	18.25	152.75	1.00	1.25	0.00	1.00	175.00	136.75	6.50	6.75	1.75	1.75	3.25	851.00
2011/12	14	0.50	5.00	9.75	7.00	2.75	0.00	5.25	13.75	19.00	155.25	11.75	9.50	2.00	2.25	29.25	91.50	40.00	10.75	0.00	1.50	4.00	420.75
2012/13	15	0.00	7.00	14.50	3.00	3.50	2.00	1.00	36.00	4.50	157.00	0.50	114.50	61.50	1.50	278.50	118.50	23.00	5.50	0.50	0.50	1.00	834.00
2013/14	16	2.33	0.00	18.33	4.00	34.67	84.33	47.67	276.00	41.00	144.67	1.67	120.33	0.00	0.00	728.33	45.00	22.67	1.00	0.00	3.00	9.67	1584.67
2014/15	17	0.00	0.00	31.00	27.33	3.33	64.33	56.33	420.33	14.33	128.33	0.00	1.33	2.67	0.00	198.00	171.33	14.00	6.67	0.00	0.00	0.00	1139.33

ORWELL		Section																Total
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	
1996/97	1	0.00	17.67	6.33	77.67	12.67	33.00	12.00	0.33	0.00	0.67	1.00	0.00	0.00	2.33	16.00	2.67	182.33
1997/98	2	0.60	54.60	7.80	102.40	11.60	9.60	14.60	0.00	0.00	0.40	0.00	0.80	6.80	49.00	42.40	25.00	325.60
1998/99	3	0.00	11.67	5.00	78.67	29.67	11.33	3.33	0.00	0.00	0.00	0.00	1.33	3.00	3.00	51.00	10.67	208.67
1999/00	4	0.00	6.25	3.00	89.75	18.50	4.25	26.25	29.75	0.25	8.00	3.25	2.00	2.25	3.75	59.50	37.75	294.50
2000/01	5	0.00	0.00	1.00	17.75	4.50	0.25	4.25	3.25	0.00	1.25	0.50	8.50	0.00	2.50	4.50	6.50	54.75
2001/02	6	0.00	0.00	0.00	68.75	3.75	1.75	0.75	0.00	0.00	1.25	47.00	2.25	0.00	23.00	25.00	9.00	182.50
2002/03	7	0.00	0.00	0.00	53.50	6.50	1.75	5.50	0.75	0.00	2.00	1.00	11.50	0.25	13.50	77.00	72.25	245.50
2003/04	8	0.00	2.25	1.00	78.00	6.00	5.25	10.00	3.00	0.00	18.00	4.50	5.00	0.75	14.00	83.50	32.50	263.75
2004/05	9	0.00	2.50	0.00	25.00	13.00	10.00	27.00	0.50	0.50	25.00	4.00	9.00	1.00	44.00	21.50	44.00	227.00
2005/06	10	0.00	1.00	0.00	96.67	19.33	18.00	9.33	2.00	1.00	18.67	0.33	223.33	10.33	124.67	21.00	5.00	550.67
2006/07	11	0.00	0.25	0.50	35.25	29.00	10.00	4.25	0.25	0.25	0.00	1.00	12.25	0.00	45.75	81.75	13.50	234.00
2007/08	12	0.00	0.00	2.33	128.67	29.67	36.33	36.00	1.67	0.67	47.67	2.67	76.67	3.67	139.00	59.67	6.67	571.33
2008/09	13	0.00	7.50	1.00	145.75	43.25	24.25	33.25	15.25	3.00	24.25	3.75	26.25	13.00	55.50	28.00	29.25	453.25
2009/10	14	0.00	0.67	0.00	52.00	13.00	5.33	21.33	23.67	12.00	26.00	1.67	13.67	8.00	12.33	161.33	44.33	395.33
2010/11	15	0.00	0.00	1.33	100.67	7.00	1.00	53.00	3.00	3.00	35.00	20.00	33.33	5.00	38.67	98.67	28.00	427.67
2011/12	16	0.00	23.67	12.00	185.33	9.67	3.33	7.00	10.67	3.33	6.67	1.00	2.33	0.67	26.00	131.67	28.00	451.33
2012/13	17	0.00	0.00	1.00	57.33	5.33	3.67	4.00	5.00	0.00	1.67	6.67	5.00	0.00	1.33	8.67	4.67	104.33
2013/14	18	0.00	1.25	11.75	212.25	36.00	13.75	14.25	6.00	0.25	0.50	3.50	5.00	0.25	10.25	33.00	2.00	350.00
2014/15	19	0.00	0.00	13.67	410.00	3.67	38.67	1.00	0.00	0.00	1.33	3.33	2.67	0.00	3.33	84.33	4.67	566.67

Black-tailed godwit: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	0.18	0.00	1.31	0.29	0.00	11.14	7.08	5.26	1.44	11.58	0.00	33.93	0.13	0.51	18.55	7.30	0.40	0.42	0.02	0.11	0.36
1999/00	2	1.08	0.83	6.00	1.03	1.45	5.42	6.58	28.00	4.59	4.38	0.00	20.84	0.91	2.48	1.82	4.76	4.84	3.18	0.41	0.83	0.58
2000/01	3	0.11	0.04	2.40	1.26	0.48	19.43	26.96	24.10	0.06	0.55	0.00	0.76	10.87	8.03	0.95	1.70	0.76	0.21	0.10	1.13	0.10
2001/02	4	0.17	0.08	1.65	0.42	0.13	3.49	14.03	44.63	0.40	1.90	0.00	9.01	1.40	6.09	7.93	4.08	2.35	1.08	0.06	0.66	0.42
2002/03	5	0.34	0.40	3.59	0.61	0.15	12.02	15.04	14.56	0.08	1.51	0.00	23.58	5.22	9.04	2.27	3.90	2.10	0.06	0.67	0.76	4.09
2003/04	6	0.69	0.17	5.59	2.05	0.10	11.16	18.06	25.88	1.76	2.80	0.02	3.51	3.02	3.34	2.60	14.79	1.68	1.11	0.22	1.29	0.15
2004/05	7	0.55	0.00	9.15	2.15	0.22	7.34	5.00	28.54	1.05	12.83	0.10	15.27	3.27	2.87	1.34	8.48	1.22	0.24	0.05	0.00	0.33
2005/06	8	2.58	0.42	4.87	0.42	0.13	18.65	14.54	19.63	2.55	3.50	0.07	3.72	0.42	0.46	5.19	13.72	0.82	3.30	1.99	1.18	1.83
2006/07	9	2.80	0.26	1.30	0.47	0.00	1.40	1.71	41.06	3.37	4.56	0.00	38.83	0.73	0.93	0.00	0.67	0.16	0.67	0.00	1.09	0.00
2007/08	10	0.00	0.34	5.12	0.60	0.68	6.31	1.19	13.05	5.55	14.08	0.17	0.43	0.51	0.09	37.29	9.04	0.43	4.95	0.00	0.09	0.09
2008/09	11	1.05	0.00	9.10	0.41	0.50	2.70	1.92	30.38	1.83	27.68	0.59	7.73	2.20	1.74	2.74	4.44	2.33	1.24	0.55	0.82	0.05
2009/10	12	0.22	0.79	3.97	2.16	0.35	1.32	1.85	28.51	1.67	14.90	0.22	15.78	0.00	0.00	3.83	9.21	2.95	10.75	0.09	0.97	0.44
2010/11	13	0.47	0.18	0.97	0.15	0.18	4.35	7.73	26.53	2.14	17.95	0.12	0.15	0.00	0.12	20.56	16.07	0.76	0.79	0.21	0.21	0.38
2011/12	14	0.12	1.19	2.32	1.66	0.65	0.00	1.25	3.27	4.52	36.90	2.79	2.26	0.48	0.53	6.95	21.75	9.51	2.55	0.00	0.36	0.95
2012/13	15	0.00	0.84	1.74	0.36	0.42	0.24	0.12	4.32	0.54	18.82	0.06	13.73	7.37	0.18	33.39	14.21	2.76	0.66	0.06	0.06	0.12
2013/14	16	0.15	0.00	1.16	0.25	2.19	5.32	3.01	17.42	2.59	9.13	0.11	7.59	0.00	0.00	45.96	2.84	1.43	0.06	0.00	0.19	0.61
2014/15	17	0.00	0.00	2.72	2.40	0.29	5.65	4.94	36.89	1.26	11.26	0.00	0.12	0.23	0.00	17.38	15.04	1.23	0.59	0.00	0.00	0.00

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.00	9.69	3.47	42.60	6.95	18.10	6.58	0.18	0.00	0.37	0.55	0.00	0.00	1.28	8.78	1.46
1997/98	2	0.18	16.77	2.40	31.45	3.56	2.95	4.48	0.00	0.00	0.12	0.00	0.25	2.09	15.05	13.02	7.68
1998/99	3	0.00	5.59	2.40	37.70	14.22	5.43	1.60	0.00	0.00	0.00	0.00	0.64	1.44	1.44	24.44	5.11
1999/00	4	0.00	2.12	1.02	30.48	6.28	1.44	8.91	10.10	0.08	2.72	1.10	0.68	0.76	1.27	20.20	12.82
2000/01	5	0.00	0.00	1.83	32.42	8.22	0.46	7.76	5.94	0.00	2.28	0.91	15.53	0.00	4.57	8.22	11.87
2001/02	6	0.00	0.00	0.00	37.67	2.05	0.96	0.41	0.00	0.00	0.68	25.75	1.23	0.00	12.60	13.70	4.93
2002/03	7	0.00	0.00	0.00	21.79	2.65	0.71	2.24	0.31	0.00	0.81	0.41	4.68	0.10	5.50	31.36	29.43
2003/04	8	0.00	0.85	0.38	29.57	2.27	1.99	3.79	1.14	0.00	6.82	1.71	1.90	0.28	5.31	31.66	12.32
2004/05	9	0.00	1.10	0.00	11.01	5.73	4.41	11.89	0.22	0.22	11.01	1.76	3.96	0.44	19.38	9.47	19.38
2005/06	10	0.00	0.18	0.00	17.55	3.51	3.27	1.69	0.36	0.18	3.39	0.06	40.56	1.88	22.64	3.81	0.91
2006/07	11	0.00	0.11	0.21	15.06	12.39	4.27	1.82	0.11	0.11	0.00	0.43	5.24	0.00	19.55	34.94	5.77
2007/08	12	0.00	0.00	0.41	22.52	5.19	6.36	6.30	0.29	0.12	8.34	0.47	13.42	0.64	24.33	10.44	1.17
2008/09	13	0.00	1.65	0.22	32.16	9.54	5.35	7.34	3.36	0.66	5.35	0.83	5.79	2.87	12.24	6.18	6.45
2009/10	14	0.00	0.17	0.00	13.15	3.29	1.35	5.40	5.99	3.04	6.58	0.42	3.46	2.02	3.12	40.81	11.21
2010/11	15	0.00	0.00	0.31	23.54	1.64	0.23	12.39	0.70	0.70	8.18	4.68	7.79	1.17	9.04	23.07	6.55
2011/12	16	0.00	5.24	2.66	41.06	2.14	0.74	1.55	2.36	0.74	1.48	0.22	0.52	0.15	5.76	29.17	6.20
2012/13	17	0.00	0.00	0.96	54.95	5.11	3.51	3.83	4.79	0.00	1.60	6.39	4.79	0.00	1.28	8.31	4.47
2013/14	18	0.00	0.36	3.36	60.64	10.29	3.93	4.07	1.71	0.07	0.14	1.00	1.43	0.07	2.93	9.43	0.57
2014/15	19	0.00	0.00	2.41	72.35	0.65	6.82	0.18	0.00	0.00	0.24	0.59	0.47	0.00	0.59	14.88	0.82

Curlew: mean numbers

STOUR		Section																				Total	
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38		39-40
1996/97	1	14.50	36.00	19.00	16.50	8.50	76.50	21.50	42.00	7.00	21.00	0.00	35.50	10.50	16.00	81.50	63.00	8.00	30.00	19.50	8.00	79.00	613.50
1999/00	2	7.33	38.33	69.00	40.67	24.00	89.67	92.33	171.00	3.33	10.00	0.00	17.33	11.33	23.33	58.67	55.33	38.33	52.33	20.33	21.67	39.00	883.33
2000/01	3	6.00	38.33	126.33	43.67	16.33	89.67	60.00	80.00	0.33	2.33	0.00	31.33	12.33	33.33	91.67	51.00	35.33	40.33	24.00	51.00	29.33	862.67
2001/02	4	12.75	43.75	77.00	37.75	10.00	92.50	73.00	123.00	1.75	8.50	0.00	44.50	19.00	37.75	111.00	73.00	55.25	39.25	27.75	59.25	62.00	1008.75
2002/03	5	12.50	42.75	69.75	29.00	11.25	72.75	39.50	130.00	2.00	2.50	0.00	32.25	19.00	45.25	87.75	45.00	31.25	41.50	26.00	20.00	35.00	795.00
2003/04	6	13.00	55.00	55.25	16.00	15.00	90.50	72.25	155.75	3.25	6.25	0.25	42.75	31.00	58.00	80.75	69.50	37.50	39.25	18.75	15.75	24.25	900.00
2004/05	7	14.75	40.50	45.25	25.50	27.75	59.25	76.50	157.25	1.25	3.00	0.50	89.25	32.50	36.75	28.75	49.50	27.00	32.75	23.00	20.00	28.00	819.00
2005/06	8	10.75	47.25	66.50	20.50	32.75	56.75	51.00	137.50	3.75	6.25	0.00	7.25	13.75	32.25	64.00	31.00	39.00	53.00	21.75	20.25	44.00	759.25
2006/07	9	16.75	31.25	72.75	41.00	10.00	62.25	44.25	137.75	3.25	11.75	0.00	61.50	23.50	64.50	50.25	45.25	52.50	24.50	41.75	21.00	32.00	847.75
2007/08	10	15.00	28.00	75.00	26.00	13.50	93.50	45.00	139.50	2.50	13.50	0.00	10.00	16.00	32.50	63.50	60.00	37.00	35.00	15.50	15.00	26.50	762.50
2008/09	11	21.33	46.33	78.00	31.00	28.67	117.67	74.33	115.00	1.33	26.33	0.00	33.33	32.00	28.00	38.00	96.33	27.33	42.00	24.67	10.33	23.00	895.00
2009/10	12	12.50	51.50	70.25	39.00	27.00	88.25	53.25	190.50	1.75	9.00	0.00	81.50	16.75	23.25	78.75	122.25	47.50	54.25	21.75	28.50	24.75	1042.25
2010/11	13	17.25	52.75	79.25	44.00	14.50	32.50	46.75	150.50	3.25	9.25	0.00	43.75	14.50	27.25	79.50	101.75	48.25	45.75	22.75	23.50	25.25	882.25
2011/12	14	20.50	56.50	97.25	40.50	17.50	43.50	29.75	94.50	1.75	13.00	0.00	90.75	19.50	53.00	120.00	76.50	25.25	41.25	22.50	58.50	29.25	951.25
2012/13	15	18.00	55.50	103.00	41.50	49.00	44.00	27.00	72.50	4.00	11.50	0.00	37.00	12.50	28.50	121.50	75.50	32.00	47.00	31.50	38.00	40.00	889.50
2013/14	16	46.33	43.67	91.00	31.00	23.00	54.00	51.67	90.67	2.33	14.67	0.00	58.00	14.67	23.67	133.00	66.00	16.67	54.33	29.00	10.33	49.00	903.00
2014/15	17	29.67	35.33	69.00	53.00	16.33	22.33	24.00	41.67	2.33	11.00	0.33	26.33	16.00	113.33	76.33	50.00	48.67	54.33	26.00	12.67	30.00	758.67

ORWELL		Section																Total
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	
1996/97	1	0.00	1.67	4.33	59.67	8.00	32.00	20.33	17.00	0.67	12.33	4.33	21.33	142.00	179.33	40.33	1.33	544.67
1997/98	2	1.00	3.60	1.80	43.20	7.20	10.40	30.60	15.40	4.80	8.80	1.40	54.40	135.40	292.60	44.20	6.00	660.80
1998/99	3	0.00	3.67	3.00	67.33	8.67	11.00	96.00	27.00	7.33	10.67	0.67	58.33	76.33	200.00	25.67	7.33	603.00
1999/00	4	0.00	7.50	1.75	37.25	6.75	4.00	33.75	87.25	7.75	8.25	2.50	106.50	86.00	247.25	70.75	5.50	712.75
2000/01	5	0.00	3.25	2.75	51.00	5.25	3.75	26.00	92.50	3.50	6.25	6.75	81.75	137.00	162.00	50.50	3.25	635.50
2001/02	6	0.00	1.75	2.00	127.50	7.75	3.75	13.25	84.50	1.25	9.50	23.75	81.75	203.25	191.50	36.25	4.25	792.00
2002/03	7	0.00	2.50	2.25	51.25	7.00	6.25	14.75	91.50	1.50	8.50	7.75	89.75	131.50	206.25	51.50	6.50	678.75
2003/04	8	0.00	4.75	3.50	57.00	11.00	3.50	21.75	62.00	1.75	8.25	8.75	58.25	109.00	231.50	70.00	6.75	657.75
2004/05	9	0.00	2.50	2.50	35.00	8.50	5.00	70.00	86.00	2.00	9.50	18.50	72.50	105.50	303.50	47.50	13.00	781.50
2005/06	10	0.00	0.67	2.67	11.00	13.00	2.00	15.33	53.67	0.67	7.67	4.00	110.33	204.00	241.00	22.00	6.67	694.67
2006/07	11	0.00	1.25	4.50	9.50	16.75	4.50	47.75	61.50	2.00	8.25	6.00	59.00	173.75	298.25	39.25	6.50	738.75
2007/08	12	0.00	0.67	3.67	11.33	24.00	4.67	35.33	56.67	3.00	10.67	4.33	47.33	143.67	271.33	26.67	14.33	657.67
2008/09	13	0.00	1.00	3.50	11.50	10.00	5.00	16.75	59.75	2.25	10.75	4.25	45.75	79.50	165.50	28.50	13.00	457.00
2009/10	14	0.00	1.00	2.00	13.33	14.67	2.67	24.67	68.33	0.00	9.00	6.33	33.00	102.67	182.67	49.33	29.67	539.33
2010/11	15	1.00	1.00	2.67	10.67	14.00	2.00	22.67	53.00	2.33	7.00	8.33	41.67	95.00	228.33	41.00	16.67	547.33
2011/12	16	0.33	2.67	2.00	6.33	14.33	4.00	25.00	25.67	6.00	8.33	10.33	39.00	109.00	186.00	35.33	11.33	485.67
2012/13	17	0.33	3.33	1.33	13.00	13.00	8.33	18.33	41.33	1.00	6.00	6.67	28.00	106.33	158.00	44.00	12.33	461.33
2013/14	18	0.25	0.75	1.00	12.00	13.50	6.25	14.50	55.75	3.50	5.75	16.50	32.25	134.25	190.25	35.75	7.75	530.00
2014/15	19	0.00	0.67	3.33	16.00	12.33	6.33	12.33	37.00	2.67	9.67	23.67	16.67	101.00	188.00	70.33	9.00	509.00

Curlew: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	2.36	5.87	3.10	2.69	1.39	12.47	3.50	6.85	1.14	3.42	0.00	5.79	1.71	2.61	13.28	10.27	1.30	4.89	3.18	1.30	12.88
1999/00	2	0.83	4.34	7.81	4.60	2.72	10.15	10.45	19.36	0.38	1.13	0.00	1.96	1.28	2.64	6.64	6.26	4.34	5.92	2.30	2.45	4.42
2000/01	3	0.70	4.44	14.64	5.06	1.89	10.39	6.96	9.27	0.04	0.27	0.00	3.63	1.43	3.86	10.63	5.91	4.10	4.68	2.78	5.91	3.40
2001/02	4	1.26	4.34	7.63	3.74	0.99	9.17	7.24	12.19	0.17	0.84	0.00	4.41	1.88	3.74	11.00	7.24	5.48	3.89	2.75	5.87	6.15
2002/03	5	1.57	5.38	8.77	3.65	1.42	9.15	4.97	16.35	0.25	0.31	0.00	4.06	2.39	5.69	11.04	5.66	3.93	5.22	3.27	2.52	4.40
2003/04	6	1.44	6.11	6.14	1.78	1.67	10.06	8.03	17.31	0.36	0.69	0.03	4.75	3.44	6.44	8.97	7.72	4.17	4.36	2.08	1.75	2.69
2004/05	7	1.80	4.95	5.53	3.11	3.39	7.23	9.34	19.20	0.15	0.37	0.06	10.90	3.97	4.49	3.51	6.04	3.30	4.00	2.81	2.44	3.42
2005/06	8	1.42	6.22	8.76	2.70	4.31	7.47	6.72	18.11	0.49	0.82	0.00	0.95	1.81	4.25	8.43	4.08	5.14	6.98	2.86	2.67	5.80
2006/07	9	1.98	3.69	8.58	4.84	1.18	7.34	5.22	16.25	0.38	1.39	0.00	7.25	2.77	7.61	5.93	5.34	6.19	2.89	4.92	2.48	3.77
2007/08	10	1.97	3.67	9.84	3.41	1.77	12.26	5.90	18.30	0.33	1.77	0.00	1.31	2.10	4.26	8.33	7.87	4.85	4.59	2.03	1.97	3.48
2008/09	11	2.38	5.18	8.72	3.46	3.20	13.15	8.31	12.85	0.15	2.94	0.00	3.72	3.58	3.13	4.25	10.76	3.05	4.69	2.76	1.15	2.57
2009/10	12	1.20	4.94	6.74	3.74	2.59	8.47	5.11	18.28	0.17	0.86	0.00	7.82	1.61	2.23	7.56	11.73	4.56	5.21	2.09	2.73	2.37
2010/11	13	1.96	5.98	8.98	4.99	1.64	3.68	5.30	17.06	0.37	1.05	0.00	4.96	1.64	3.09	9.01	11.53	5.47	5.19	2.58	2.66	2.86
2011/12	14	2.16	5.94	10.22	4.26	1.84	4.57	3.13	9.93	0.18	1.37	0.00	9.54	2.05	5.57	12.61	8.04	2.65	4.34	2.37	6.15	3.07
2012/13	15	2.02	6.24	11.58	4.67	5.51	4.95	3.04	8.15	0.45	1.29	0.00	4.16	1.41	3.20	13.66	8.49	3.60	5.28	3.54	4.27	4.50
2013/14	16	5.13	4.84	10.08	3.43	2.55	5.98	5.72	10.04	0.26	1.62	0.00	6.42	1.62	2.62	14.73	7.31	1.85	6.02	3.21	1.14	5.43
2014/15	17	3.91	4.66	9.09	6.99	2.15	2.94	3.16	5.49	0.31	1.45	0.04	3.47	2.11	14.94	10.06	6.59	6.41	7.16	3.43	1.67	3.95

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.00	0.31	0.80	10.95	1.47	5.88	3.73	3.12	0.12	2.26	0.80	3.92	26.07	32.93	7.41	0.24
1997/98	2	0.15	0.54	0.27	6.54	1.09	1.57	4.63	2.33	0.73	1.33	0.21	8.23	20.49	44.28	6.69	0.91
1998/99	3	0.00	0.61	0.50	11.17	1.44	1.82	15.92	4.48	1.22	1.77	0.11	9.67	12.66	33.17	4.26	1.22
1999/00	4	0.00	1.05	0.25	5.23	0.95	0.56	4.74	12.24	1.09	1.16	0.35	14.94	12.07	34.69	9.93	0.77
2000/01	5	0.00	0.51	0.43	8.03	0.83	0.59	4.09	14.56	0.55	0.98	1.06	12.86	21.56	25.49	7.95	0.51
2001/02	6	0.00	0.22	0.25	16.10	0.98	0.47	1.67	10.67	0.16	1.20	3.00	10.32	25.66	24.18	4.58	0.54
2002/03	7	0.00	0.37	0.33	7.55	1.03	0.92	2.17	13.48	0.22	1.25	1.14	13.22	19.37	30.39	7.59	0.96
2003/04	8	0.00	0.72	0.53	8.67	1.67	0.53	3.31	9.43	0.27	1.25	1.33	8.86	16.57	35.20	10.64	1.03
2004/05	9	0.00	0.32	0.32	4.48	1.09	0.64	8.96	11.00	0.26	1.22	2.37	9.28	13.50	38.84	6.08	1.66
2005/06	10	0.00	0.10	0.38	1.58	1.87	0.29	2.21	7.73	0.10	1.10	0.58	15.88	29.37	34.69	3.17	0.96
2006/07	11	0.00	0.17	0.61	1.29	2.27	0.61	6.46	8.32	0.27	1.12	0.81	7.99	23.52	40.37	5.31	0.88
2007/08	12	0.00	0.10	0.56	1.72	3.65	0.71	5.37	8.62	0.46	1.62	0.66	7.20	21.84	41.26	4.05	2.18
2008/09	13	0.00	0.22	0.77	2.52	2.19	1.09	3.67	13.07	0.49	2.35	0.93	10.01	17.40	36.21	6.24	2.84
2009/10	14	0.00	0.19	0.37	2.47	2.72	0.49	4.57	12.67	0.00	1.67	1.17	6.12	19.04	33.87	9.15	5.50
2010/11	15	0.18	0.18	0.49	1.95	2.56	0.37	4.14	9.68	0.43	1.28	1.52	7.61	17.36	41.72	7.49	3.05
2011/12	16	0.07	0.55	0.41	1.30	2.95	0.82	5.15	5.28	1.24	1.72	2.13	8.03	22.44	38.30	7.28	2.33
2012/13	17	0.07	0.72	0.29	2.82	2.82	1.81	3.97	8.96	0.22	1.30	1.45	6.07	23.05	34.25	9.54	2.67
2013/14	18	0.05	0.14	0.19	2.26	2.55	1.18	2.74	10.52	0.66	1.08	3.11	6.08	25.33	35.90	6.75	1.46
2014/15	19	0.00	0.13	0.65	3.14	2.42	1.24	2.42	7.27	0.52	1.90	4.65	3.27	19.84	36.94	13.82	1.77

Redshank: mean numbers

STOUR		Section																				Total	
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38		39-40
1996/97	1	62.00	100.50	137.00	41.50	17.50	153.50	42.50	144.00	91.50	507.50	10.00	242.00	32.00	58.50	194.50	131.50	112.00	66.00	25.00	16.00	63.50	2248.50
1999/00	2	65.33	105.67	182.33	73.00	23.33	35.67	115.00	333.33	185.33	139.67	4.33	108.33	32.67	17.33	88.67	62.67	144.67	76.00	34.00	60.33	80.33	1968.00
2000/01	3	106.67	107.33	122.00	82.33	67.00	36.67	60.67	111.33	87.00	77.00	3.00	116.00	40.33	43.00	240.67	57.00	100.33	64.67	20.67	49.00	89.33	1682.00
2001/02	4	93.50	133.25	117.50	70.75	38.75	72.50	65.25	138.00	118.00	143.75	11.25	83.00	43.75	63.25	163.75	263.00	53.25	67.50	36.50	78.25	73.75	1928.50
2002/03	5	91.00	111.75	109.50	74.50	43.50	131.50	52.25	157.50	64.00	85.00	6.25	80.50	42.00	54.00	76.75	117.00	62.00	59.75	33.75	21.50	42.00	1516.00
2003/04	6	86.00	106.00	136.00	53.25	55.00	65.75	65.25	141.25	113.25	132.25	12.75	106.75	80.75	43.25	114.50	121.25	70.50	79.75	39.00	20.25	54.75	1697.50
2004/05	7	94.50	157.50	90.50	34.25	83.25	69.75	58.50	94.75	188.00	226.50	21.75	55.50	78.50	44.25	58.50	107.25	74.50	55.75	47.50	29.25	68.50	1738.75
2005/06	8	98.75	110.25	143.50	46.75	163.50	62.75	54.25	109.50	154.50	97.50	15.50	74.00	45.50	39.25	102.25	166.25	55.25	81.50	49.25	39.75	74.00	1783.75
2006/07	9	86.00	102.25	87.25	62.75	42.75	31.50	39.50	88.00	184.25	120.50	5.25	37.25	15.00	20.50	63.00	52.25	66.75	39.75	27.25	9.25	65.00	1246.00
2007/08	10	65.00	121.50	180.00	61.50	67.00	91.00	52.00	34.50	159.00	85.50	17.00	26.50	10.50	13.50	228.50	104.50	56.50	114.50	36.00	28.50	66.00	1619.00
2008/09	11	85.67	117.00	87.00	58.00	113.00	72.67	28.33	97.67	172.33	37.00	16.33	57.00	33.00	19.67	171.00	155.33	42.00	37.00	31.67	23.67	74.67	1530.00
2009/10	12	82.75	94.75	85.75	78.25	93.50	42.75	24.25	110.00	128.25	28.25	15.00	122.50	39.25	14.50	128.75	112.00	78.00	49.25	43.00	21.25	52.50	1444.50
2010/11	13	109.00	86.75	105.25	105.50	58.50	39.00	47.75	101.00	157.25	48.25	10.50	86.75	20.25	21.25	104.50	78.25	65.75	52.25	58.50	15.75	57.75	1429.75
2011/12	14	73.00	61.75	103.25	52.00	31.25	43.00	22.00	51.50	172.50	28.00	11.75	29.50	37.25	19.75	86.50	123.00	62.25	47.50	15.75	28.00	61.50	1161.00
2012/13	15	69.50	81.50	102.50	38.50	25.50	49.00	36.00	40.50	54.00	54.00	5.50	22.50	44.00	9.50	66.50	166.50	38.50	44.50	9.50	19.00	47.50	1024.50
2013/14	16	62.67	87.00	110.00	31.67	54.67	32.33	41.00	20.00	123.00	39.33	2.67	84.00	35.33	7.67	82.67	86.33	35.00	52.00	28.67	27.67	48.00	1091.67
2014/15	17	163.00	41.00	45.33	54.00	32.33	36.67	24.33	15.00	100.67	75.33	3.00	106.67	32.67	17.33	57.33	58.00	73.00	25.67	22.00	25.67	25.00	1034.00

ORWELL		Section																Total
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	
1996/97	1	4.67	167.67	30.33	387.33	123.33	36.00	56.67	33.00	5.33	100.67	0.33	61.00	119.00	313.67	379.00	157.00	1975.00
1997/98	2	3.60	71.80	12.60	369.80	176.00	85.00	48.40	33.40	6.40	103.00	0.00	76.20	143.40	327.40	301.00	129.80	1887.80
1998/99	3	3.33	75.33	19.67	262.33	182.33	58.33	53.00	33.00	8.33	73.67	0.00	82.33	120.67	180.67	181.33	199.33	1533.67
1999/00	4	3.50	15.75	11.00	263.75	217.50	26.00	57.00	108.25	12.00	115.00	0.75	125.50	73.50	327.75	140.00	120.50	1617.75
2000/01	5	2.00	28.25	18.50	254.50	66.00	15.25	43.75	73.25	15.00	78.25	3.25	113.00	110.50	359.25	183.50	122.00	1486.25
2001/02	6	0.75	22.50	19.25	326.75	124.00	15.25	38.50	106.50	12.50	89.25	31.50	117.25	211.75	354.50	179.25	161.25	1810.75
2002/03	7	0.75	37.00	20.25	330.25	68.75	25.00	33.25	94.75	18.25	98.25	43.50	119.00	236.00	223.75	171.50	156.00	1676.25
2003/04	8	1.50	37.50	37.00	330.75	74.50	19.00	35.75	81.50	4.00	86.75	59.50	96.50	185.25	323.00	159.00	160.00	1691.50
2004/05	9	2.50	43.00	47.00	162.00	125.00	12.00	55.00	73.00	3.50	70.50	64.50	62.00	271.50	226.50	159.00	126.00	1503.00
2005/06	10	2.67	68.67	15.67	264.00	159.67	11.33	36.00	64.33	6.33	40.33	63.67	100.00	166.67	315.33	123.33	132.00	1570.00
2006/07	11	0.25	17.75	7.75	569.25	159.75	19.00	35.25	80.25	6.50	45.00	20.00	64.00	108.50	220.25	145.75	148.25	1647.50
2007/08	12	18.67	61.67	8.67	118.33	128.00	67.67	76.00	68.33	7.67	80.00	47.33	85.00	109.00	199.33	113.67	67.67	1257.00
2008/09	13	2.50	46.75	19.25	294.50	104.25	14.00	49.00	69.50	7.25	99.25	46.50	73.75	116.50	175.75	109.50	84.50	1312.75
2009/10	14	0.00	46.67	3.67	435.67	112.33	24.00	29.00	67.00	14.00	92.33	104.33	77.67	110.33	258.00	145.67	127.00	1647.67
2010/11	15	0.33	25.00	33.00	371.00	128.33	4.00	25.67	48.33	15.67	26.67	47.67	37.33	118.00	177.67	146.33	168.00	1373.00
2011/12	16	1.33	65.00	31.67	267.67	38.00	5.33	21.00	39.67	30.67	31.00	59.00	76.67	95.33	111.33	128.67	106.67	1109.00
2012/13	17	19.00	38.33	17.67	347.00	79.33	39.67	23.00	76.33	11.33	43.67	58.33	86.33	72.33	88.67	58.33	95.00	1154.33
2013/14	18	0.00	65.50	7.75	307.75	100.25	48.75	9.00	92.50	4.25	21.00	4.50	67.75	34.75	111.50	100.50	66.25	1042.00
2014/15	19	0.67	37.00	7.67	228.67	40.00	46.00	16.00	56.67	17.00	37.33	72.67	47.00	78.67	148.00	180.00	151.33	1164.67

Redshank: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	2.76	4.47	6.09	1.85	0.78	6.83	1.89	6.40	4.07	22.57	0.44	10.76	1.42	2.60	8.65	5.85	4.98	2.94	1.11	0.71	2.82
1999/00	2	3.32	5.37	9.26	3.71	1.19	1.81	5.84	16.94	9.42	7.10	0.22	5.50	1.66	0.88	4.51	3.18	7.35	3.86	1.73	3.07	4.08
2000/01	3	6.34	6.38	7.25	4.89	3.98	2.18	3.61	6.62	5.17	4.58	0.18	6.90	2.40	2.56	14.31	3.39	5.97	3.84	1.23	2.91	5.31
2001/02	4	4.85	6.91	6.09	3.67	2.01	3.76	3.38	7.16	6.12	7.45	0.58	4.30	2.27	3.28	8.49	13.64	2.76	3.50	1.89	4.06	3.82
2002/03	5	6.00	7.37	7.22	4.91	2.87	8.67	3.45	10.39	4.22	5.61	0.41	5.31	2.77	3.56	5.06	7.72	4.09	3.94	2.23	1.42	2.77
2003/04	6	5.07	6.24	8.01	3.14	3.24	3.87	3.84	8.32	6.67	7.79	0.75	6.29	4.76	2.55	6.75	7.14	4.15	4.70	2.30	1.19	3.23
2004/05	7	5.43	9.06	5.20	1.97	4.79	4.01	3.36	5.45	10.81	13.03	1.25	3.19	4.51	2.54	3.36	6.17	4.28	3.21	2.73	1.68	3.94
2005/06	8	5.54	6.18	8.04	2.62	9.17	3.52	3.04	6.14	8.66	5.47	0.87	4.15	2.55	2.20	5.73	9.32	3.10	4.57	2.76	2.23	4.15
2006/07	9	6.90	8.21	7.00	5.04	3.43	2.53	3.17	7.06	14.79	9.67	0.42	2.99	1.20	1.65	5.06	4.19	5.36	3.19	2.19	0.74	5.22
2007/08	10	4.01	7.50	11.12	3.80	4.14	5.62	3.21	2.13	9.82	5.28	1.05	1.64	0.65	0.83	14.11	6.45	3.49	7.07	2.22	1.76	4.08
2008/09	11	5.60	7.65	5.69	3.79	7.39	4.75	1.85	6.38	11.26	2.42	1.07	3.73	2.16	1.29	11.18	10.15	2.75	2.42	2.07	1.55	4.88
2009/10	12	5.73	6.56	5.94	5.42	6.47	2.96	1.68	7.62	8.88	1.96	1.04	8.48	2.72	1.00	8.91	7.75	5.40	3.41	2.98	1.47	3.63
2010/11	13	7.62	6.07	7.36	7.38	4.09	2.73	3.34	7.06	11.00	3.37	0.73	6.07	1.42	1.49	7.31	5.47	4.60	3.65	4.09	1.10	4.04
2011/12	14	6.29	5.32	8.89	4.48	2.69	3.70	1.89	4.44	14.86	2.41	1.01	2.54	3.21	1.70	7.45	10.59	5.36	4.09	1.36	2.41	5.30
2012/13	15	6.78	7.96	10.00	3.76	2.49	4.78	3.51	3.95	5.27	5.27	0.54	2.20	4.29	0.93	6.49	16.25	3.76	4.34	0.93	1.85	4.64
2013/14	16	5.74	7.97	10.08	2.90	5.01	2.96	3.76	1.83	11.27	3.60	0.24	7.69	3.24	0.70	7.57	7.91	3.21	4.76	2.63	2.53	4.40
2014/15	17	15.76	3.97	4.38	5.22	3.13	3.55	2.35	1.45	9.74	7.29	0.29	10.32	3.16	1.68	5.54	5.61	7.06	2.48	2.13	2.48	2.42

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.24	8.49	1.54	19.61	6.24	1.82	2.87	1.67	0.27	5.10	0.02	3.09	6.03	15.88	19.19	7.95
1997/98	2	0.19	3.80	0.67	19.59	9.32	4.50	2.56	1.77	0.34	5.46	0.00	4.04	7.60	17.34	15.94	6.88
1998/99	3	0.22	4.91	1.28	17.10	11.89	3.80	3.46	2.15	0.54	4.80	0.00	5.37	7.87	11.78	11.82	13.00
1999/00	4	0.22	0.97	0.68	16.30	13.44	1.61	3.52	6.69	0.74	7.11	0.05	7.76	4.54	20.26	8.65	7.45
2000/01	5	0.13	1.90	1.24	17.12	4.44	1.03	2.94	4.93	1.01	5.26	0.22	7.60	7.43	24.17	12.35	8.21
2001/02	6	0.04	1.24	1.06	18.05	6.85	0.84	2.13	5.88	0.69	4.93	1.74	6.48	11.69	19.58	9.90	8.91
2002/03	7	0.04	2.21	1.21	19.70	4.10	1.49	1.98	5.65	1.09	5.86	2.60	7.10	14.08	13.35	10.23	9.31
2003/04	8	0.09	2.22	2.19	19.55	4.40	1.12	2.11	4.82	0.24	5.13	3.52	5.70	10.95	19.10	9.40	9.46
2004/05	9	0.17	2.86	3.13	10.78	8.32	0.80	3.66	4.86	0.23	4.69	4.29	4.13	18.06	15.07	10.58	8.38
2005/06	10	0.17	4.37	1.00	16.82	10.17	0.72	2.29	4.10	0.40	2.57	4.06	6.37	10.62	20.08	7.86	8.41
2006/07	11	0.02	1.08	0.47	34.55	9.70	1.15	2.14	4.87	0.39	2.73	1.21	3.88	6.59	13.37	8.85	9.00
2007/08	12	1.49	4.91	0.69	9.41	10.18	5.38	6.05	5.44	0.61	6.36	3.77	6.76	8.67	15.86	9.04	5.38
2008/09	13	0.19	3.56	1.47	22.43	7.94	1.07	3.73	5.29	0.55	7.56	3.54	5.62	8.87	13.39	8.34	6.44
2009/10	14	0.00	2.83	0.22	26.44	6.82	1.46	1.76	4.07	0.85	5.60	6.33	4.71	6.70	15.66	8.84	7.71
2010/11	15	0.02	1.82	2.40	27.02	9.35	0.29	1.87	3.52	1.14	1.94	3.47	2.72	8.59	12.94	10.66	12.24
2011/12	16	0.12	5.86	2.86	24.14	3.43	0.48	1.89	3.58	2.77	2.80	5.32	6.91	8.60	10.04	11.60	9.62
2012/13	17	1.65	3.32	1.53	30.06	6.87	3.44	1.99	6.61	0.98	3.78	5.05	7.48	6.27	7.68	5.05	8.23
2013/14	18	0.00	6.29	0.74	29.53	9.62	4.68	0.86	8.88	0.41	2.02	0.43	6.50	3.33	10.70	9.64	6.36
2014/15	19	0.06	3.18	0.66	19.63	3.43	3.95	1.37	4.87	1.46	3.21	6.24	4.04	6.75	12.71	15.46	12.99

Turnstone: mean numbers

STOUR		Section																					
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40	Total
1996/97	1	5.00	10.50	30.50	4.00	0.00	3.00	0.00	4.50	0.00	0.00	0.00	0.50	4.50	0.00	1.50	40.50	4.00	62.50	11.00	9.00	33.50	224.50
1999/00	2	4.33	8.33	29.33	27.00	15.00	1.67	0.33	4.33	0.33	0.00	0.00	0.67	1.33	1.00	1.67	6.67	22.00	69.67	13.33	11.00	47.67	265.67
2000/01	3	1.67	5.67	23.00	21.00	18.33	1.00	1.00	1.33	0.00	0.00	0.00	1.67	2.67	0.00	0.00	3.33	23.33	85.33	41.33	13.33	75.33	319.33
2001/02	4	2.75	6.25	15.25	10.75	9.25	1.00	0.50	4.25	0.00	0.00	0.00	0.00	2.25	0.75	0.00	6.75	36.00	82.25	22.75	22.50	109.25	332.50
2002/03	5	10.75	10.25	18.75	21.50	16.25	2.50	2.75	7.00	1.50	0.50	0.00	0.50	1.75	0.25	0.00	4.50	36.50	63.25	29.75	18.50	78.00	324.75
2003/04	6	8.00	4.75	27.75	21.00	26.00	0.50	1.00	3.75	0.00	1.00	0.00	0.00	2.00	1.50	0.00	3.75	55.25	65.25	35.25	6.00	53.00	315.75
2004/05	7	11.00	6.25	11.25	12.25	76.75	7.25	0.50	10.25	0.00	4.00	0.00	1.75	0.50	2.25	0.00	30.50	37.00	100.00	36.50	32.75	109.75	490.50
2005/06	8	9.75	9.00	20.75	16.25	50.00	0.25	0.25	11.75	2.00	3.25	0.00	0.50	1.00	0.00	14.75	15.75	21.00	88.25	42.00	21.00	112.50	440.00
2006/07	9	17.00	1.75	13.00	20.25	16.50	3.75	1.75	3.25	1.00	0.25	0.00	3.50	1.00	0.00	1.00	14.25	29.50	73.75	35.50	24.50	111.25	372.75
2007/08	10	8.50	13.00	34.50	14.50	14.00	9.00	0.50	1.00	0.00	0.00	0.00	0.00	0.00	0.00	2.50	22.00	47.00	94.50	37.50	6.00	72.00	376.50
2008/09	11	13.67	12.00	27.33	33.67	46.33	2.33	0.00	10.33	0.67	0.00	0.00	1.67	1.67	1.33	10.33	43.67	32.00	76.33	17.67	15.33	138.33	484.67
2009/10	12	6.50	4.00	35.25	25.75	37.25	2.75	0.50	0.75	0.00	0.00	0.00	2.25	0.75	0.50	0.00	32.00	13.25	80.00	37.00	5.50	89.00	373.00
2010/11	13	4.75	15.25	46.25	35.25	32.25	2.25	1.00	6.25	0.50	0.25	0.00	1.75	2.00	0.00	7.25	73.50	19.25	85.75	25.75	11.25	85.25	455.75
2011/12	14	5.25	8.75	9.75	24.50	35.25	6.50	3.00	1.50	0.00	0.50	0.00	5.25	1.50	0.25	4.75	35.75	26.75	89.75	14.50	10.50	62.25	346.25
2012/13	15	3.00	1.50	17.50	6.50	27.50	9.00	4.50	8.50	0.00	3.00	0.00	0.00	0.00	0.00	3.00	47.00	14.50	108.50	11.50	3.00	20.00	288.50
2013/14	16	8.33	3.33	33.33	14.67	40.33	12.00	2.33	3.00	0.67	0.00	0.00	0.33	5.33	2.33	10.00	39.00	7.33	83.67	21.00	4.33	87.33	378.67
2014/15	17	11.00	2.33	38.00	6.33	17.00	3.00	0.00	1.33	0.33	0.67	0.00	0.00	0.33	0.00	6.67	38.33	23.67	55.67	23.33	12.00	67.67	307.67

ORWELL		Section																
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3	Total
1996/97	1	0.33	2.33	0.00	4.00	3.00	1.67	5.33	4.67	0.00	2.00	1.33	3.00	2.00	4.00	13.00	1.33	48.00
1997/98	2	0.00	4.00	0.20	4.40	3.00	1.80	0.00	3.60	2.60	8.60	0.00	0.80	12.00	7.00	19.60	1.00	68.60
1998/99	3	0.33	5.00	1.00	4.33	3.00	2.00	2.67	1.33	1.00	10.67	0.00	4.00	9.00	15.33	29.33	1.33	90.33
1999/00	4	0.25	9.25	2.50	11.50	0.75	0.00	3.00	11.50	4.75	20.25	0.00	4.25	10.25	5.25	56.00	7.75	147.25
2000/01	5	0.00	7.00	2.75	12.00	1.00	3.25	5.75	6.00	4.25	9.50	0.00	9.50	10.00	9.50	45.50	20.50	146.50
2001/02	6	0.25	6.25	0.50	12.25	1.00	0.25	2.50	10.25	1.00	13.50	0.00	3.00	8.75	4.00	55.50	4.25	123.25
2002/03	7	0.25	4.50	3.75	26.00	0.50	2.25	6.25	24.00	4.50	11.25	2.00	6.25	13.25	8.00	50.25	9.25	172.25
2003/04	8	0.75	3.00	0.00	23.50	0.00	1.50	7.50	19.75	1.00	21.25	1.50	5.75	21.25	12.25	28.25	11.75	159.00
2004/05	9	1.50	23.50	3.50	23.50	0.00	0.00	0.00	18.00	7.00	11.00	2.00	5.00	65.50	16.50	44.50	11.50	233.00
2005/06	10	0.67	0.67	2.00	27.67	3.00	0.00	3.00	20.33	7.33	19.67	4.67	4.00	26.33	44.33	18.33	1.33	183.33
2006/07	11	0.25	7.00	2.50	13.75	2.50	10.00	0.75	12.00	1.25	6.50	0.00	2.75	29.50	94.00	6.50	0.00	189.25
2007/08	12	3.33	10.67	0.00	7.00	0.00	0.67	2.00	10.00	2.00	4.00	1.67	26.00	18.00	27.67	3.00	0.00	116.00
2008/09	13	0.50	8.25	1.50	9.00	0.25	0.00	3.25	15.50	3.25	1.25	0.25	16.25	21.25	24.75	5.25	2.50	113.00
2009/10	14	0.00	9.00	0.00	3.00	0.33	0.00	0.00	6.67	1.00	2.33	0.00	2.00	25.00	29.33	3.00	0.33	82.00
2010/11	15	0.00	0.33	1.00	16.00	0.00	0.00	0.00	7.67	2.00	1.67	0.00	0.67	0.67	56.00	6.67	2.33	95.00
2011/12	16	0.33	4.00	0.00	7.00	3.33	0.00	0.67	9.33	3.00	2.33	0.33	0.00	9.67	58.00	3.33	1.67	103.00
2012/13	17	0.00	2.33	0.00	0.00	0.00	0.00	1.33	20.33	8.00	0.33	1.00	4.00	1.67	76.00	3.67	2.67	121.33
2013/14	18	0.00	0.00	0.00	0.75	2.00	0.75	1.25	5.25	0.50	0.00	0.00	3.50	3.25	47.75	3.25	2.00	70.25
2014/15	19	0.00	0.33	0.00	1.67	3.67	0.00	0.00	7.00	0.67	1.00	0.00	2.33	9.67	80.67	0.00	0.00	107.00

Turnstone: mean proportions of winter estuary population

STOUR		Section																				
Winter	No.	1	2-5	6-9	10-12	13-14	15-16	17	18-20	21-22	23	24	25	26	27	28-30	31-32	33	34-35	36-37	38	39-40
1996/97	1	2.23	4.68	13.59	1.78	0.00	1.34	0.00	2.00	0.00	0.00	0.00	0.22	2.00	0.00	0.67	18.04	1.78	27.84	4.90	4.01	14.92
1999/00	2	1.63	3.14	11.04	10.16	5.65	0.63	0.13	1.63	0.13	0.00	0.00	0.25	0.50	0.38	0.63	2.51	8.28	26.22	5.02	4.14	17.94
2000/01	3	0.52	1.77	7.20	6.58	5.74	0.31	0.31	0.42	0.00	0.00	0.00	0.52	0.84	0.00	0.00	1.04	7.31	26.72	12.94	4.18	23.59
2001/02	4	0.83	1.88	4.59	3.23	2.78	0.30	0.15	1.28	0.00	0.00	0.00	0.00	0.68	0.23	0.00	2.03	10.83	24.74	6.84	6.77	32.86
2002/03	5	3.31	3.16	5.77	6.62	5.00	0.77	0.85	2.16	0.46	0.15	0.00	0.15	0.54	0.08	0.00	1.39	11.24	19.48	9.16	5.70	24.02
2003/04	6	2.53	1.50	8.79	6.65	8.23	0.16	0.32	1.19	0.00	0.32	0.00	0.00	0.63	0.48	0.00	1.19	17.50	20.67	11.16	1.90	16.79
2004/05	7	2.24	1.27	2.29	2.50	15.65	1.48	0.10	2.09	0.00	0.82	0.00	0.36	0.10	0.46	0.00	6.22	7.54	20.39	7.44	6.68	22.38
2005/06	8	2.22	2.05	4.72	3.69	11.36	0.06	0.06	2.67	0.45	0.74	0.00	0.11	0.23	0.00	3.35	3.58	4.77	20.06	9.55	4.77	25.57
2006/07	9	4.56	0.47	3.49	5.43	4.43	1.01	0.47	0.87	0.27	0.07	0.00	0.94	0.27	0.00	0.27	3.82	7.91	19.79	9.52	6.57	29.85
2007/08	10	2.26	3.45	9.16	3.85	3.72	2.39	0.13	0.27	0.00	0.00	0.00	0.00	0.00	0.00	0.66	5.84	12.48	25.10	9.96	1.59	19.12
2008/09	11	2.82	2.48	5.64	6.95	9.56	0.48	0.00	2.13	0.14	0.00	0.00	0.34	0.34	0.28	2.13	9.01	6.60	15.75	3.65	3.16	28.54
2009/10	12	1.74	1.07	9.45	6.90	9.99	0.74	0.13	0.20	0.00	0.00	0.00	0.60	0.20	0.13	0.00	8.58	3.55	21.45	9.92	1.47	23.86
2010/11	13	1.04	3.35	10.15	7.73	7.08	0.49	0.22	1.37	0.11	0.05	0.00	0.38	0.44	0.00	1.59	16.13	4.22	18.82	5.65	2.47	18.71
2011/12	14	1.52	2.53	2.82	7.08	10.18	1.88	0.87	0.43	0.00	0.14	0.00	1.52	0.43	0.07	1.37	10.32	7.73	25.92	4.19	3.03	17.98
2012/13	15	1.04	0.52	6.07	2.25	9.53	3.12	1.56	2.95	0.00	1.04	0.00	0.00	0.00	0.00	1.04	16.29	5.03	37.61	3.99	1.04	6.93
2013/14	16	2.20	0.88	8.80	3.87	10.65	3.17	0.62	0.79	0.18	0.00	0.00	0.09	1.41	0.62	2.64	10.30	1.94	22.10	5.55	1.14	23.06
2014/15	17	3.58	0.76	12.35	2.06	5.53	0.98	0.00	0.43	0.11	0.22	0.00	0.00	0.11	0.00	2.17	12.46	7.69	18.09	7.58	3.90	21.99

ORWELL		Section															
Winter	No.	A2	A3	B1	B2	B3	C1	C2	C3	D1	D2&3	D4	E1	E2	F1	F2	F3
1996/97	1	0.69	4.86	0.00	8.33	6.25	3.47	11.11	9.72	0.00	4.17	2.78	6.25	4.17	8.33	27.08	2.78
1997/98	2	0.00	5.83	0.29	6.41	4.37	2.62	0.00	5.25	3.79	12.54	0.00	1.17	17.49	10.20	28.57	1.46
1998/99	3	0.37	5.54	1.11	4.80	3.32	2.21	2.95	1.48	1.11	11.81	0.00	4.43	9.96	16.97	32.47	1.48
1999/00	4	0.17	6.28	1.70	7.81	0.51	0.00	2.04	7.81	3.23	13.75	0.00	2.89	6.96	3.57	38.03	5.26
2000/01	5	0.00	4.78	1.88	8.19	0.68	2.22	3.92	4.10	2.90	6.48	0.00	6.48	6.83	6.48	31.06	13.99
2001/02	6	0.20	5.07	0.41	9.94	0.81	0.20	2.03	8.32	0.81	10.95	0.00	2.43	7.10	3.25	45.03	3.45
2002/03	7	0.15	2.61	2.18	15.09	0.29	1.31	3.63	13.93	2.61	6.53	1.16	3.63	7.69	4.64	29.17	5.37
2003/04	8	0.47	1.89	0.00	14.78	0.00	0.94	4.72	12.42	0.63	13.36	0.94	3.62	13.36	7.70	17.77	7.39
2004/05	9	0.64	10.09	1.50	10.09	0.00	0.00	0.00	7.73	3.00	4.72	0.86	2.15	28.11	7.08	19.10	4.94
2005/06	10	0.36	0.36	1.09	15.09	1.64	0.00	1.64	11.09	4.00	10.73	2.55	2.18	14.36	24.18	10.00	0.73
2006/07	11	0.13	3.70	1.32	7.27	1.32	5.28	0.40	6.34	0.66	3.43	0.00	1.45	15.59	49.67	3.43	0.00
2007/08	12	2.87	9.20	0.00	6.03	0.00	0.57	1.72	8.62	1.72	3.45	1.44	22.41	15.52	23.85	2.59	0.00
2008/09	13	0.44	7.30	1.33	7.96	0.22	0.00	2.88	13.72	2.88	1.11	0.22	14.38	18.81	21.90	4.65	2.21
2009/10	14	0.00	10.98	0.00	3.66	0.41	0.00	0.00	8.13	1.22	2.85	0.00	2.44	30.49	35.77	3.66	0.41
2010/11	15	0.00	0.35	1.05	16.84	0.00	0.00	0.00	8.07	2.11	1.75	0.00	0.70	0.70	58.95	7.02	2.46
2011/12	16	0.32	3.88	0.00	6.80	3.24	0.00	0.65	9.06	2.91	2.27	0.32	0.00	9.39	56.31	3.24	1.62
2012/13	17	0.00	1.92	0.00	0.00	0.00	0.00	1.10	16.76	6.59	0.27	0.82	3.30	1.37	62.64	3.02	2.20
2013/14	18	0.00	0.00	0.00	1.07	2.85	1.07	1.78	7.47	0.71	0.00	0.00	4.98	4.63	67.97	4.63	2.85
2014/15	19	0.00	0.31	0.00	1.56	3.43	0.00	0.00	6.54	0.62	0.93	0.00	2.18	9.03	75.39	0.00	0.00