| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | Mon | Mean |
|--------------------------------|--------------|--------------|------------|-----------|-------|-----|-------|
| Medway Estuary | 361 | 290 | 203 | 722 | 365 | Feb | 388 |
| Thrapston Gravel Pits | 305 | 417 | 520 | 370 | 276 | Dec | 378 |
| Llyn Alaw | 335 | 445 | 312 | 376 | 384 | Sep | 370 |
| Wynyard Lake | 241 | 224 | 710 | 376 | 280 | Sep | 366 |
| Morecambe Bay | 287 | 370 | 40 I | 351 | 411 | Feb | 364 |
| Baston/Langtoft Gravel Pits | 270 | 349 | 320 | 450 | 380 | Jan | 354 |
| Willen Lake | 186 | 569 | 280 | 392 | 295 | Jul | 344 |
| Emberton Gravel Pits | 99 | 315 | 602 | 420 | 280 | Feb | 343 |
| Dee Flood Meadows | 220 | 230 | 430 | 521 | 310 | Oct | 342 |
| Bardney Pits | 250 | 290 | 350 | 450 | 350 | Jan | 338 ▲ |
| Buckden & Stirtloe Gravel Pits | 16 | 506 | 149 | 649 | 330 | Dec | 330 |
| Linford Gravel Pits | 365 | 409 | 301 | 232 | 323 | Dec | 326 ▲ |
| Hamford Water | 576 | 358 | 168 | 284 | 182 | Sep | 314 |
| Beaulieu Estuary | 289 | 345 | 239 | 270 | 381 | Feb | 305 ▲ |
| St Benet's Levels | 336 | 268 | 268 | 118 | 528 | Sep | 304 ▲ |
| Sites with mean peak count | s of 50 or ı | more birds i | n Northern | Ireland † | | | |
| Lough Foyle | 43 | 88 | 383 | 157 | 1,282 | Mar | 391 |
| Strangford Lough | 173 | 35 I | 379 | 489 | 367 | Feb | 352 |
| Loughs Neagh & Beg | 347 | 448 | 510 | 296 | 71 | Jan | 334 |
| Belfast Lough | 77 | 86 | 86 | 122 | 112 | Jan | 97 |
| Temple Water | 158 | 15 | - | - | - | - | 88 |

Important sites not counted in last five years

R. Wensum: Fakenham to Great Ryburgh

Other sites surpassing table qualifying levels in 1999-2000

| Didlington Lakes | 530 | Jan | Rutland Water | 340 | Jan |
|------------------------|-----|-----|---------------------------------|-----|-----|
| Hay-a-Park Gravel Pits | 501 | Sep | Middle Yare Marshes | 340 | Sep |
| Hickling Broad | 460 | Dec | R. Avon: R'wood to Christchurch | 339 | Dec |
| Grimsthorpe Lake | 365 | Dec | Cranwich Gravel Pits | 328 | Aug |
| Benacre Broad | 344 | Sep | Fletton Brick Pits | 310 | Nov |

as site designation does not occur and the 1% criterion is not applied, qualifying levels of 300 and 50 have been chosen to select sites in Great Britain and Northern Ireland, respectively, for presentation in this report

BAR-HEADED GOOSE

Anser indicus

For the second year running, numbers recorded by WeBS increased and gave a summed maximum of 97 birds. However, the number of sites where birds were recorded was slightly

down on the previous year, from 54 to 46. Nineteen of these held more than one bird and

Escape Native range: Southern Asia

Escape and vagrant

Native range: North America

counts of six or more were as follows: 11 at Draycote Water, nine at Queen's Park, Derbyshire, eight at Spade Oak Gravel Pit, seven at Edington Lake and six at Stodmarsh NNR & Collards Lagoon.

SNOW GOOSE

Anser caerulescens

GB max: 59 Jan NI max: Jan

Numbers rose in 1999-2000 after the considerable decrease in the previous year. Summed site maxima for the 44 sites at which the species was found was 129 birds, compared with 110 in 1998-99. Sites that held ten or more birds were as follows: 21 at Eversley Cross & Yateley Gravel Pits, 19 at Stratfield Saye and 12 at Blenheim Park Lake. A further sixteen sites held more than two birds. A single at Belfast Lough in January is noteworthy as this species in rarely recorded in Northern Ireland by WeBS.

Escape
Native range: North America

Singles were at Croxall Pits, Drakelow Gravel Pit and Irvine/Garnock Estuary during 1999-2000.

EMPEROR GOOSE

Anser canagicus

Both the summed maxima and the number of sites where this species was recorded increased for the fifth consecutive year. In addition to singles at eight sites,

Escape Native range: Alaska and NE Siberia

three were at Ramsbury Lake and two were at Morecambe Bay .

CANADA GOOSE

Branta canadensis

GB max: 49,990 Nov NI max: 610 Jan

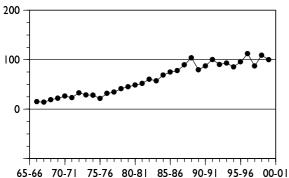


Figure 23. Annual indices for Canada Goose in GB

Not for the first time, the index value and peak national total provide a contrasting understanding of the British Canada Goose population. The index shows a decline since the previous year and a long-term trend of stability for the past 13 years. However, the peak national total has increased by 17.5% since 1998-99. This underlines the inadequacies of the index technique since sites where much of the expansion is occurring are not included in the current index calculations

Naturalised introduction[†]
Native range: North America

due to an insufficient run of data.

The key sites remained Rutland Water and the Arun Valley, despite decreases from the previous year. Several other key sites have also shown declines over the past 3-5 years, including Fairburn Ings, Walthamstow Reservoirs and the Lower Derwent Valley. In contrast, the Dee Estuary (Eng/Wal) has shown a fairly consistent increase over the past five years, as have Blithfield and Abberton Reservoirs and Harewood Lake. Other large counts during 1999-2000 were recorded at the Dyfi Estuary, Bewl Water and the Middle Tame Valley Gravel Pits.

Few declines are evident over the current five year period, those at Holme Pierrepont Gravel Pits and Chew Valley Lake being the most striking.

In Northern Ireland, the peak total rose even though numbers at the top three sites showed no pattern of increase, suggesting that expansion away from the key sites is also occurring there.

| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | Mon | Mean | | |
|---|---------------------|-----------------------|--------------------|-------|-------|---------|-----------------|--|--|
| Sites with mean peak counts of 600 or more birds in Great Britain † | | | | | | | | | |
| Rutland Water | 1,282 | 1,266 | 1,395 | 1,374 | 1,255 | Jan | 1,314 | | |
| Arun Valley | 868 | 796 | 1, 4 90 | 1,298 | 967 | Oct | 1,084 | | |
| Dyfi Estuary | 681 | 682 | 1,020 | 899 | 1,676 | Jan | 992 | | |
| Dee Estuary (Eng/Wal) | 6 4 5 | 877 | 875 | 1,150 | 1,347 | Oct | 979 | | |
| Fairburn Ings | ³¹ 1,036 | ³¹ 1,091 | 1,340 | 711 | 630 | Aug | 962 | | |
| Walthamstow Reservoirs | 1,062 | 1,030 | 816 | 784 | (500) | Jun/Jul | 923 | | |
| Lower Derwent Valley | 831 | 841 | 1,170 | 980 | 627 | Jan | 890 | | |
| Blithfield Reservoir | 3 4 2 | 916 | 850 | 1,120 | 1,140 | Sep | 87 4 | | |
| Bewl Water | ³¹ 982 | ³¹ (1,000) | 5 4 8 | 592 | 1,200 | Aug | 864 | | |
| Middle Tame Valley Gravel Pits | 769 | 31 539 | (750) | (630) | 1,173 | Aug | 827 | | |
| Stour Estuary | 1,261 | 492 | 608 | 795 | 785 | Dec | 788 | | |
| Southampton Water | 585 | 693 | 1,067 | 745 | 675 | Nov | 753 | | |

| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | Mon | Mean |
|------------------------------|--------------|--------------|-------------------|-----------|--------------------------|-----|--------------|
| Chew Valley Lake | 855 | 740 | 780 | 631 | 660 | Jul | 733 |
| King's Bromley Gravel Pits | 627 | 726 | 6 4 l | 804 | 814 | Jul | 722 |
| Abberton Reservoir | 550 | 433 | 608 | 989 | 928 | Aug | 702 ▲ |
| Kedleston Park Lake | (900) | 360 | 650 | 650 | 800 | Nov | 672 |
| Holme Pierrepont Gravel Pits | 648 | 1,001 | 715 | 446 | 498 | Jan | 662 |
| Tundry Pond | - | 255 | 840 | 730 | 815 | Sep | 660 |
| Harewood Lake | 417 | 620 | 560 | 670 | 943 | Nov | 642 ▲ |
| Port Meadow | (320) | 700 | 500 | 710 | ³¹ 490 | Jan | 600 |
| Sites with mean peak count | s of 50 or i | more birds i | in Northern | Ireland † | | | |
| Upper Lough Erne | 194 | 45 I | 170 | 96 | 222 | Jan | 227 |
| Drumgay Lough | 265 | 236 | 172 | 260 | 110 | Jan | 209 |
| Strangford Lough | 185 | 257 | ³⁷ 204 | 161 | 153 | Oct | 192 |

Sites not counted in last five years

Woodford River

Other sites surpassing table qualifying levels in 1999-2000

Cleddau Estuary I,108 Oct Colliford Reservoir 759 Jun Ellesmere Lakes 737 Sep Watermead Gravel Pits 664 Nov

BARNACLE GOOSE

Branta leucopsis

GREENLAND POPULATION

International threshold: 320
Great Britain threshold: 270
All-Ireland threshold: 75

GB max: 37,776 Nov NI max: 0

Numbers on Islay increased slightly again, reaching another new peak count and maintaining the steady increase there. Elsewhere, there were decreases at a number of sites, namely Tiree, North Uist and Coll, although at the first site numbers were still above average. Counts were not available from South Walls.

Breeding success in 1999 among birds on Islay was lower than the average for the last ten years of 10.6% young and mean brood size of 2.0 (M.A. Ogilvie *in litt.*). Hunting mortality in Iceland accounted for 1,362 birds, considerably lower than the mean for the past five years (1,952).

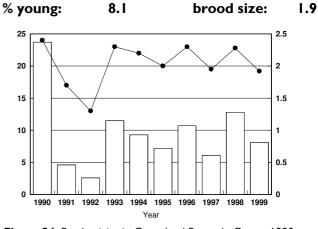


Figure 24. Productivity in Greenland Barnacle Geese, 1990-99; proportion of young (bars, left hand axis) and mean brood size (line, right hand axis) from age assessments on Islay.

| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | Mon | Mean |
|----------------------------------|---------------------------------|----------------------|----------------------|----------------------|----------------------------|-----|--------|
| Sites of international impor | tance in 1 | the UK | | | | | |
| Islay | ²⁷ 31,099 | ²⁷ 35,013 | ²⁷ 32,812 | ²⁶ 35,172 | ²⁶ 35,429 | Nov | 33,905 |
| Tiree | ³ 1, 4 65 | ³ 1, 4 79 | ³ 1,158 | ² 1,572 | ²⁸ 1,123 | Mar | 1,359 |
| Sound of Harris | - | 8 I,35 I | - | - | - | | 1,351 |
| North Uist | - | 8 600 | 1,414 | ²¹ 1,648 | ² , 49 | Feb | 1,288 |
| South Walls | ¹⁸ 1,138 | ¹⁸ 1,170 | [™] 1,180 | ¹⁷ 1,140 | - | | 1,157 |
| North Sutherland | - | ⁸ 792 | - | - | - | | 792 |
| Coll | ³ 682 | ³ 86 I | ³ 715 | ³ 93 I | ²⁸ 667 | Mar | 77 I |
| Monach Isles | - | ⁸ 760 | - | - | - | | 760 |
| Keills Peninsula & Isle of Danna | ³ 120 | ³ 34 I | ³ 469 | ²⁸ 720 | ²⁸ 610 | Mar | 452 |
| Colonsay/Oronsay | ³ 309 | ³ 429 | ³ 436 | ²⁸ 463 | ²⁸ 600 | Mar | 447 |

[†] as site designation does not occur and the 1% criterion is not applied, qualifying levels of 600 and 50 have been chosen to select sites in Great Britain and Northern Ireland, respectively, for presentation in this report

brood size:

1.6

GB max: 25,858

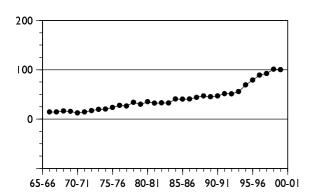


Figure 25. Annual indices for Svalbard Barnacle Geese in GB

The peak national total showed a slight decrease from 1998-99, though it remains too early to suggest that population growth may have levelled off. The decline arose due to low productivity in 1999, with just 10.9% young in autumn flocks recorded mean brood size among successful pairs of 1.6 goslings.

The arrival of birds on the Solway was later than normal overall, although the first birds, a flock of 80, were recorded on the same day as the previous year (20 September). By 2 October there were 2,650, but four days later there were 15,400. Many of these are thought to have arrived by an indirect route as thousands, probably forced south by strong winds, were observed flying north past South Tyneside on 4th and 5 October. The departure from the Solway was completed in late April, with 3,300 there on 25 April, falling to 470 on 29 April and none the following day (although a few were seen in early May).

At Loch of Strathbeg, the arrival was considerably later than the previous year, with no

| | 95-96 | 96-97 | | | | | | | |
|---|----------------------|----------------------|--|--|--|--|--|--|--|
| Sites of international importance in the UK | | | | | | | | | |
| Solway Estuary | ³² 17,450 | ³² 24,360 | | | | | | | |
| Loch of Strathbeg | 533 | 165 | | | | | | | |

Sites no longer meeting table qualifying levels Inner Moray Firth

more than 60 birds present until 8 October (Phillips *et al.* 2000), when the autumn peak of 217 was reached, far fewer than that of the previous autumn. However, the peak midwinter count was higher, with 513 counted in December. As usual, this site was little used during the northerly spring passage, with only 126 present on 1 May.

10.9

% young:

Current research continues in a number of areas. During winter 1999-2000, 20 birds on the Solway were fitted with radio transmitters: 10 at WWT Caerlaverock and 10 at RSPB Mersehead. Detailed information the day-to-day on movements of these individuals was collected and some interesting patterns on the use they made of the Solway area were apparent, although the final results of this study are not yet available. In total, 249 Barnacle Geese, or c. 1% of the Svalbard population, were caught and ringed during winter 1999-2000.

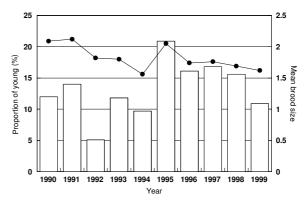


Figure 26. Productivity in Svalbard Geese, 1990-99: proportion of young (bars) and mean brood size (dots) from age assessments on the Solway.

| 97-98 | 98-99 | 99-00 | Mon | Mean |
|----------------------|----------------------|----------------------|-----|--------|
| ³² 23,754 | ³² 26,040 | ³² 25,750 | Nov | 23,471 |
| 353 | 6.200 | ²⁴ 513 | Dec | 1.553 |

NATURALISED POPULATION

GB max: 858 Dec NI max: 136 Oct/Jan

The top two sites remained Eversley Cross & Yateley Gravel Pits and Hornsea Mere, with an especially large count at the latter.

Elsewhere, the size of the naturalised flock on the Duddon Estuary remained similar to last year's high. The decline at Stratfield Saye is likely to be at least partly explained by the increase at nearby Eversley Cross. In Northern Ireland, numbers at the only site listed, Strangford Lough, remained stable.

As with some other naturalised populations, there is always some uncertainty about the true origins of some of these birds. It is possible that some birds in East Anglia could be from the Russian/Baltic population that winters predominantly in the Netherlands, but this can only be determined with any certainty by the observation of marked individuals.

| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | Mon | Mean | |
|-----------------------------|--------------|--------------|--------------|-------------------|-------|---------|------|------------------|
| Sites with mean peak count | s of 50 or i | more birds i | in Great Bri | tain [†] | | | | |
| Eversley Cross & Yateley GP | 218 | 311 | 184 | 220 | 187 | Feb | 224 | |
| Hornsea Mere | - | - | 0 | 314 | 326 | Dec | 213 | |
| Stratfield Saye | 34 | 141 | 142 | I | 28 | Dec | 69 | |
| Severn Estuary | 96 | 46 | 33 | 83 | 59 | Sep-Dec | 63 | |
| Duddon Estuary | 4 | 0 | I | 152 | 155 | Sep | 62 | \blacktriangle |
| Middle Yare Marshes | 16 | 56 | 56 | 70 | 80 | Nov | 56 | ▲ |
| Sites with mean peak count | s of 50 or i | more birds i | in Northern | Ireland † | | | | |
| Strangford Lough | 89 | 129 | 148 | 122 | 136 | Oct/Jan | 125 | |

Sites surpassing table qualifying levels in 1999-2000

Benacre Broad 56 Sep Medway Estuary 63 Feb

DARK-BELLIED BRENT GOOSE

Branta bernicla bernicla

GB max: 90,919 Nov NI max: 9 Oct

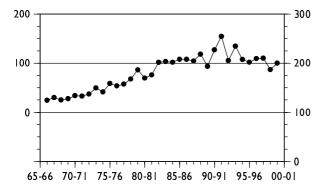


Figure 27. Annual indices for Dark-bellied Brent Goose in GB

After last year's slump in the peak national count, the number of Dark-bellied Brent Geese recovered somewhat during 1999-2000, although the total remained lower than in any year between 1990-91 and 1997-98. Productivity during

International threshold: 3,000
Great Britain threshold: 1,000
All-Ireland threshold: +

% young: 23.5 brood size: 2.44

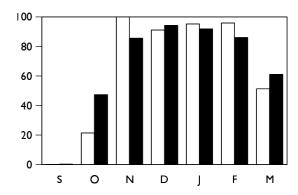


Figure 28. Monthly indices for Dark-bellied Brent Goose in GB (white bars 1999-2000; black bars 1994-95 to 1998-99)

1999 was high, with 23.5% young in wintering flocks and a mean brood size 2.44 goslings per successful pair (Hearn 2000b). This was the most successful breeding season since 1991 and the first time that productivity has exceeded the

[†] as site designation does not occur and the 1% criterion is not applied, a qualifying level of 50 has been chosen to select sites for presentation in this report

estimated annual rate of 15% mortality (Summers & Underhill 1991) since 1993.

The nine sites of international importance in the UK remained unchanged from 1998-99, with the Wash supporting almost one third of the population. Counts on the Thames Estuary were well down on the previous four years and numbers at Hamford Water remained low. The sites of national importance were joined by the Burry Inlet, but otherwise remained unchanged. Numbers of geese were lower than average at nine of these sites and higher at seven. There were no counts available from the Exe Estuary.

The arrival into the UK occurred later than average, with around 20% of the peak national count present during October. However, by November, all birds had reached the UK. This is in accordance with established phenological patterns, with later arrival in years of successful breeding and early arrival in years of breeding failure (Ebbinge et al. 1999). For the remainder of 1999-2000, numbers were very typical for the time of year.

Research in the Dutch spring staging areas has shown how Brent Geese are excluded from saltmarshes by succession (van der Wal *et al.* 2000). On the island of Schiermonnikoog the number of Brent Geese has remained stable for the past 20 years, despite an increase in both the total population size and the extent of the saltmarsh habitats there. The distribution of the geese over this period showed that they selected younger areas of saltmarsh where their preferred forage species were found. In older saltmarshes,

geese face a greater proportion of non-preferred forage species and spend less time foraging. These results emphasise the importance to Brent Geese of areas where new saltmarshes can develop. The tendency in eastern England, however, is to saltmarsh loss (though rising sea levels and sinking land levels) and this highlights the need to enable saltmarsh (re)creation through a policy of managed coastal retreat in relevant areas. This was further highlighted by Pettifor et al. (2000) who have shown, by developing an individual-based behavioural model for this population, that it is vulnerable to losses of wintering and spring-staging habitats. Studies of the forage preferences of Brent Geese feeding on agricultural land have recently suggested that the geese prefer white clover to three common grass species. These results have been used to develop a better scientific basis for the creation and management of grassland alternative feeding areas to help reduce damage levels due to goose grazing (McKay et al. 2001).

A draft International Action Plan for this population of Brent Geese was discussed by the first Meeting of Parties to the African-Eurasian Migratory Waterbird Agreement in November 1999. This plan builds upon and seeks to implement (at government level) the Flyway Management Plan developed several years ago (van Nutgeren 1997). It is to be hoped that the Action Plan, which focuses relevant conservation issues operating at a range of scales, will shortly be implemented.

| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | Mon | Mean |
|---------------------------|----------------|---------|---------------------|----------------------|----------------------|-----|--------|
| Sites of international im | portance in th | ne UK | | | | | |
| Wash | 21,023 | 23,001 | 23,797 | 17,736 | 28,811 | Nov | 22,874 |
| Thames Estuary | 10,714 | 15,393 | 17,014 | 14,100 | 7,346 | Feb | 12,913 |
| North Norfolk Coast | 8,110 | 8,793 | 14,088 | ²⁴ 10,100 | ²⁴ 12,969 | Jan | 10,812 |
| Chichester Harbour | 10,769 | 8,997 | 8,427 | 8,142 | 9,267 | Jan | 9,120 |
| Blackwater Estuary | 8,525 | 10,641 | 10,290 | 5,160 | 9,838 | Feb | 8,891 |
| Hamford Water | 14,466 | 9,286 | 4,194 | 2,320 | 3,879 | Nov | 6,829 |
| Langstone Harbour | 6,215 | 5,520 | 6,344 | ³⁷ 6,230 | 6,928 | Feb | 6,247 |
| Crouch-Roach Estuary | 3,820 | 5,292 | 5,644 | 2,452 | 5,488 | Jan | 4,539 |
| Colne Estuary | 3,529 | 3,493 | 4,263 | (2,685) | (3,614) | Jan | 3,762 |
| Sites of national importa | ance in Great | Britain | | | | | |
| Fleet/Wey | 2,630 | 3,529 | 3,048 | 2,290 | 1,404 | Nov | 2,580 |
| Portsmouth Harbour | 2,773 | 2,785 | ³⁷ 2,505 | 2,169 | 2,661 | Feb | 2,579 |
| North West Solent | 2,643 | 2,279 | (2,810) | 2,659 | 2,114 | Jan | 2,501 |
| Medway Estuary | 2,733 | 2,526 | 2,725 | 2,580 | 1,845 | Feb | 2,482 |
| Deben Estuary | 2,536 | 3,306 | 2,094 | 1,268 | 2,139 | Jan | 2,269 |
| Southampton Water | 3,007 | 1,821 | 2,160 | ³⁷ 1,533 | ³⁷ 2,480 | Feb | 2,200 |
| Humber Estuary | 2,078 | (2,366) | 1,532 | 2,540 | 2,404 | Jan | 2,184 |
| Dengie Flats | 2,440 | 2,000 | 2,290 | 2,600 | 1,550 | Nov | 2,176 |
| Swale Estuary | 1,903 | 3,141 | 1,803 | 2,215 | 1,800 | Nov | 2,172 |
| Pagham Harbour | 3,016 | 2,879 | 1,071 | 1,260 | ³⁷ 2,438 | Nov | 2,133 |

| | 95-96 | 96-97 | 97-98 | 98-99 | 99-00 | Mon | Mean | |
|------------------|----------------------|---------------------|--------------------|---------------------|-----------------------------|-----|---------|--|
| Stour Estuary | 1,801 | 1,757 | 2,173 | 2,367 | 1,769 | Dec | 1,973 | |
| Beaulieu Estuary | 1,360 | 2,480 | 2,283 | 1,682 | 1, 4 58 | Jan | 1,853 | |
| Exe Estuary | 1,587 | 1,832 | 1,768 | 1,647 | - | - | 1,709 | |
| Newtown Estuary | (1, 4 75) | 1,676 | 1, 4 72 | 1,180 | (1,727) | Jan | 1,514 | |
| Poole Harbour | Ì, 4 60 | 1,644 | 1,449 | 1,297 | Ì,354 | Dec | 1,441 | |
| Orwell Estuary | 1,290 | ³⁷ 1,000 | ³⁷ 878 | ³⁷ 1,129 | ³⁷ 1, 799 | Jan | 1,219 | |
| Burry Inlet | 928 | 1,014 | 1,165 | 1,043 | 1,195 | Jan | 1,069 ▲ | |

Other sites surpassing table qualifying levels in 1999-2000

Thanet Coast I,420 Jan

BLACK BRANT

Branta bernicla nigricans

Singles were seen at Lough Foyle in October, Chichester Harbour in October, then presumably the same at Langstone Harbour in December and

Vagrant Native range: North America and east Asia

January, and at Dengie Flats in December and the Crouch-Roach Estuary in December and March.

LIGHT-BELLIED BRENT GOOSE

Branta bernicla hrota

CANADIAN POPULATION

GB max: 85 Feb NI max: 15,356 Nov

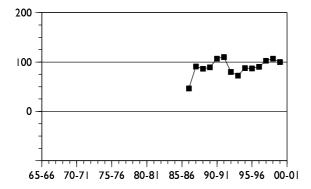


Figure 29. Annual indices for Light-bellied Brent Goose in NI

The fourth annual all-Ireland census recorded a peak of 19,183 geese during October 1999, 83% of which were at Strangford Lough and 10% at Lough Foyle. Productivity improved for the second consecutive year, explaining the recent increase in the numbers of birds present in Ireland.

Strangford Lough and Lough Foyle continue to hold the largest concentrations in Northern Ireland during the early autumn, acting as landfall sites. Vast swards of *Zostera* attract geese to

International threshold: 200
Great Britain threshold: +†*
All-Ireland threshold: 200

* 50 is normally used as a minimum threshold

15 brood size: 2.6

% young: 15 brood size:

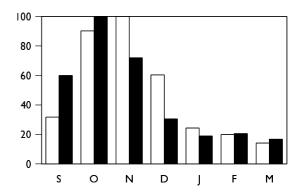


Figure 30. Monthly indices for Light-bellied Brent Goose in NI (white bars 1999-2000; black bars 1994-95 to 1998-99)

these estuaries at this time (Ó Briain & Healy 1991). Monthly indices demonstrate that numbers peaked in the province during October and November 1999 and then fell as the winter progressed. In late winter, the majority of Lightbellied Brent Geese redistribute throughout the rest of Ireland, the Channel Islands and northern France (Colhoun 2001). Interestingly, increasing numbers of birds are recorded at resorts in the southwest of England, often in mixed flocks with Dark-bellied Brent Geese.