POPULATION and DISTRIBUTION
of
BEAN GEESE
in the
SLAMANNAN AREA
2004/2005

THE BEAN GOOSE ACTION GROUP

REPORT BY

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1 Summary

This report details the results of a study undertaken between September 2004 to March 2005, to monitor the population and distribution of the Central Scotland flock of bean geese (Anser fabalis fabalis), which use the Slamannan Plateau area of Central Scotland. This is a continuation of research started in January 1990, presented elsewhere, (Simpson 1990, 1991, 1992, 1993. Smith et al 1994 and 1995, Simpson and Maciver 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004)

The first record this winter was on 2nd October when 94 birds were seen at Luckenburn farm. Further increases took place during October and by the 22nd of the month the flock size had reached 235 birds. A few days later a further influx of birds took the total to 251.
On the 13th November a count was confirmed of 262 birds which again was an increase of 27 birds above last years count of 235.
The flock remained together well into December before splitting up into different groups. For the rest of the winter counts of c200 birds were sporadic. At one time it was thought that some of flock had disappeared but a roost count in early February of 250 birds confirmed that most of the flock were still present.
The final record this winter was on 15th February when 7 birds were seen at Tippetcraig Farm. This is the earliest departure in recent years and confirms a noted trend in earlier departures from the area.
There were 19 juveniles identified within the flock during November. No birds of the "rossicus" race were seen this winter.

Roosting again took place at the Fannyside Lochs with the moorland site being used extensively.

2 Introduction

This study is the continuation of research into the use of the Slamannan Plateau by bean geese (Anser fabalis fabalis). It follows on from the work done by Simpson (1989-95), Maciver (1993-95), Smith et al. (1993-95), Simpson and Maciver (1995/96, 1996/97, 1997/98, 1998/99, 1999/00, 2000/01, 2001/02, 2002/03, 2003/04) for the RSPB, S.N.H., Falkirk Council, North Lanarkshire Council, Central Scotland Forest Trust.

Other members of the Bean Goose Action Group (BGAG): who use the information contained in this report are: Forestry Commission, Forest Enterprise, Scottish Agricultural College, Farming & Wildlife Advisory Group.

The 2004/05 monitoring programme "Population and Distribution of bean geese in the Slamannan Area "identified two main areas of study.

2.1 Population and Distribution

a) Routine observations. (See 3.1.1)

b) Visiting Roost Sites. (See 3.1.2)

3 Methods

3.1 Field Numbering

The numbering system as used by Smith et al. (1994/95) was again adopted for continuity.

3.1.1 Diurnal distribution of Bean Geese

The technique employed was similar to previous years consisting of routine observations with no specific pattern. There were 166 visits to record bean geese between late September and early March. On most visits to the plateau the whole study area was visited so as to record all geese present.

- Number of Bean Geese.
- Number of other geese.
- Disturbance factors.

3.1.2 Roost Sites

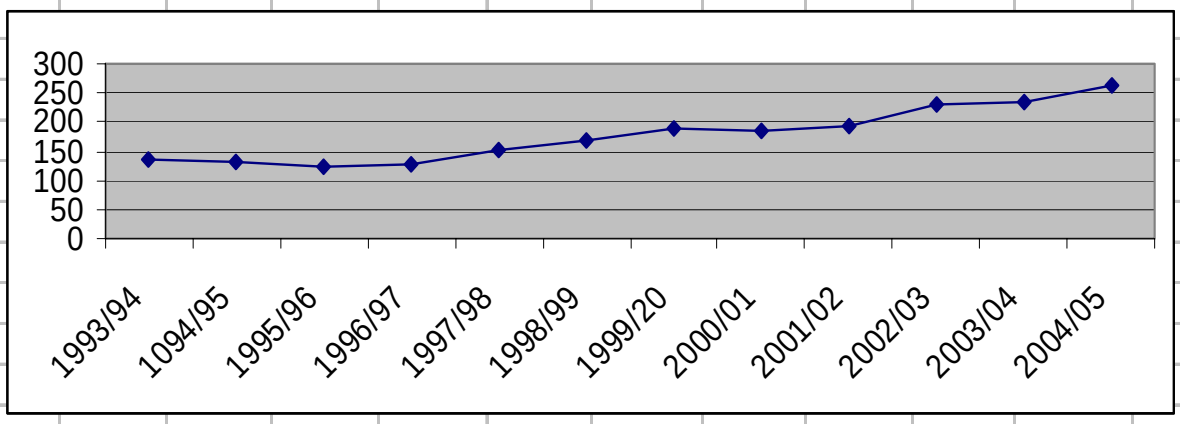
The method employed was to arrive at a particular position that allowed monitoring of East/West Fannyside Lochs and Fannyside Muir to determine the selected roost site.
In early February a co-ordinated effort was made over five days to monitor the bean geese at their feeding sites prior to the dusk flight to the roost area.

4 Results and analysis

4.1 Population and distribution

Observations commenced in late September but no geese were seen until 2nd October when 94 birds were recorded at Luckenburn Farm. It would appear that the birds arrived the day before which is exactly the same date of arrival as last winter. The other noticeable difference was the number of birds arriving in this first group. It is very unusual to get such a high number so early in the season.
By the 12th of October the flock size had increased to 196. It was not until the 22nd October that a further increase took the flock size to 235. A few days later a count of the flock took the total to 251. On the 13th November a count was confirmed of 262 birds which again was an increase of 27 birds above last years count of 235.
The flock remained together until early December feeding for much of the time at Luckenburn Farm. From then on the flock split up and counts of c200 birds were sporadic. At one time it was thought that some of flock had disappeared but a roost count in early February of 250 birds confirmed that most of the flock were still present.
A total of 26 fields were seen to be used this winter for feeding which is a slight increase on last winter.
The final sighting this winter was on 15th February when 7 birds were seen at Tippetcraig Farm. This is the earliest departure in recent years and confirms a noted trend in earlier departures from previous records.
There were 19 juveniles identified within the flock during November. No birds of the “rossicus” race were seen this winter.

1993/94	1094/95	1995/96	1996/97	1997/98	1998/99	1999/20	2000/01	2001/02	2002/03	2003/04	2004/05
135	132	123	127	153	168	188	183	192	231	235	262



4.1.1 Diurnal distribution (see map - showing location of sites)

- Routine records

  The bean geese distribution based on all available records throughout the winter, which were precisely located to a numbered field in the study area are summarised in Appendix 1.

- Other Geese species

  Greylag geese were very scarce this winter. The only record of this species was on 15th January when two were seen with eleven Pinkfeet at Hillend Farm.

  Pinkfeet on the other hand were more numerous and reached their normal peak of c900 birds in the Upper Avon Valley.
  Six pinkfeet were present with the bean geese flock on 26th October at Luckenburn Farm. On 13th November there still two with the bean geese flock. The first large flock of c500 appeared on 18th December at Hillend Farm. On 26th December c900 were seen in a field adjoining Loch Elrig. This flock remained in the area of Slamannan and eastwards towards Torphichen for the remainder of the winter.

- Carron Valley Reservoir

  This previously used area was visited on several occasions to record any geese present. None were seen and no reports received from other birdwatchers who visit this inland water.

4.1.2 Roost Sites

A total of 24 visits were made to record roosting behaviour. East Fannyside Loch had one record. West Fannyside Loch had two and Fannyside Muir fifteen. There were six negative visits to the roosting area. Three occurred before the flock arrived and after they had left. Three occurred during periods of cold clear weather when the geese often stay out in their feeding areas. These figures do not represent a complete picture as the flock often moves during the night between loch and moor. For a five day period in early February an attempt was made to monitor the bean geese before dusk and then at the roost area to obtain an overview of roosting areas. This was done by staff from SNH, Palacerigg Country Park, Emilie Wadsworth CSFT and Willie Eglinton who assists with winter monitoring.

The results of this exercise were sometimes difficult to quantify as poor weather on some occasions made it difficult to get good counts of the geese.

5 Disturbance

As observations were not continuous, many occurrences of disturbance were undoubtedly missed. Where Bean Geese were clearly seen to be disturbed and the cause identified, these were recorded.

The types of disturbance were categorised as follows, and were used in combination if appropriate:

Farming	Birds of Prey
Shooting	Helicopter
Sheep	Low flying aircraft
Vehicles	Microlight
Foxes	Birdwatchers
Dog Walker	Accidentally flushed

The bean geese were seen to be disturbed on five occasions throughout the study period. The following details are from observations during routine visits.

Low flying aircraft	1
Farming	2
Accidentally flushed	2
Total	5

The farming activities that cause disturbance to the geese generally consist of a farmer visiting the field to check on stock. During tupping time this can occur once per day at no particular time. The geese generally leave the area and either land on a nearby muir to loaf or fly off to another feeding field. A return to the original field can occur after a period of approximately one hour of loafing. The bean geese flock commence feeding just before dawn so there is ample opportunity for them to graze any particular field before any farming disturbance occurs.

6 Ringed Geese

The bean goose flock was searched whenever possible for ringed individuals but none were seen.

7 Discussion

The population increased again this winter with 262 birds being counted. This flock is now the principal one in the UK.

In the Yare Valley to the east of Norwich the regular flock there reached a maximum of 165, (183 in 2002/03, 124 in 2003/04)) while further east towards Lowestoft there was a second flock of 112 birds (although it is possible that there is some movement of birds between these two sites). Further south on the Suffolk coast there was a smaller flock of 53 birds near Aldeburgh.

The bean geese flock were only seen to use field 170 at Beam Farm on two occasions this winter. In previous years this field was used extensively by the geese but for some reason this has stopped. The use of this farm has changed from a dairying regime to a mainly equestrian one. Two fields including 170 are used by grazing sheep throughout the year except for lambing which takes place indoors during May. Bean geese often share a field with sheep at Luckenburn Farm so it is not fully

understood why they will not do so at Beam. Disturbance from the farmer can occur in the afternoons but the geese have plenty of opportunity to graze this area from dawn onwards. It is possible that the look of the place has changed with field 327 being fenced off into two paddocks and occupied by ponies.
A significant amount of feeding again took place at Tippetcraig Farm, where the farming regime offers the birds almost disturbance free grazing. This situation is likely to change dramatically next winter as approximately 30 horses are now grazing on this farm.
A small group of geese were seen to exploit a new feeding area near the south end of Castlecary High Wood. With the Slamannan flock increasing in size grazing on well used fields must create pressure for them to exploit new fields. It will be interesting to note in future years whether this expansion to new areas continues.

Our hope that a neck banding scheme could be implemented has not moved forward and it looks doubtful at present whether this idea will ever take place.

A bean goose management scheme has been proposed by SNH under the Natural Care scheme and work has commenced to implement it by 2006.

Scottish ministers have also proposed that the Slamannan plateau becomes a Special Protection Area and SNH has been asked to provide advice to them on its suitability as one.

Both of these schemes are warmly welcomed and once in place should help protect the future of the bean goose flock in central Scotland.

Birdwatchers have again been catered for with some groups making contact with the fieldworkers to arrange a visit to the plateau to see the geese.

Information is given to Birdline Scotland on a regular basis so as to make available locations where the geese can be seen.

8 Acknowledgements

The Landowners of the study area, who gave permission for access to their lands for fieldwork.

A grateful thanks to the Willie Eglinton who submitted records to be included this report.

Thanks to Katrina Marshall and Doug Gilbert S.N.H for comments on a draft of this report.

9 References

Simpson, J. 1990, 1991, 1992, 1993. Bean Geese winter Reports. Unpublished.
Simpson, J and Maciver, A. A Population and Distribution of Bean Geese in the Slamannan Area 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004.
Smith, Bainbridge, and O'Brien, Distribution and Habitat Use by Bean Geese in the Slamannan Area 1994, 1995.

10 Bean Geese Scotland

Additional information can be found on a web site created and run by volunteers, which operates through the winter season. It can be found at http://www.bean-geese.pwp.blueyonder.co.uk

Appendices

Appendix I Bean Geese Survey Data 2004/2005 Bird-Days per Field

FIELD NO	Total No of Bean Geese						Average Monthly Bird Days	No of Positive Visits
	Oct	Nov	Dec	Jan	Feb	Total		
9	985	433	1051	995		3464	693	26
77	94	252	758	362	899	2365	473	15
305	1717	634	5			2356	471	16
26	315		688	542	9	1554	311	14
323		784		570		1354	271	7
306	907	165				1072	214	11
338		400			393	793	159	7
339	130	122	117	290	134	793	159	8
303			634			634	127	4
326	177	24	130		7	338	68	5
48				180	67	247	49	3
333		200		30		230	46	2
290		200				200	40	1
401			200			200	40	1
14	196					196	39	1
173		60		109		169	34	2
170		5	100			105	21	2
13	94					94	19	1
325			20	60		80	16	2
400			28	50		78	16	2
80			47			47	9	1
334			30			30	6	1
324				18		18	4	1
278			13			13	3	2
304				8		8	2	1
8			6			6	1	1
261				6		6	1	1
255				4		4	1	1
335		2				2	0	1

Appendix II Greylag Geese Survey Data 2004/2005 Bird-Days per Month

FIELD NO	Total no of Greylag					Total	Average
	Oct	Nov	Dec	Jan	Feb		
251				2		2	0.4

Appendix III Pinkfeet Geese Survey Data 2004/2005 Bird-Days per Month

FIELD NO	Total No of Pinkfeet					Total	Average
	Oct	Nov	Dec	Jan	Feb		
255			786	614		1400	280
120				900		900	180
180			900			900	180
261				100	220	320	64
251				11	134	145	29
138				100		100	20
9	7	2				9	1.8
305		2				2	0.4

Appendix IV Bean Geese Survey Records 2004/2005

DATE	PLACE	FIELD NO	GRID	NUMBER	DISTURBANCE	OBSERVATION TYPE
25/09/2004	FANNYSIDE MUIR	77	804740	0	NONE	ROOST
29/09/2004	FANNYSIDE MUIR	77	804740	0	NONE	ROOST
02/10/2004	LUCKENBURN	306	824722	94	NONE	ROUTINE
03/10/2004	LUCKENBURN	306	824722	94	NONE	ROUTINE
04/10/2004	LUCKENBURN	305	822722	94	NONE	ROUTINE
05/10/2004	LUCKENBURN	305	822722	94	NONE	ROUTINE
07/10/2004	WEST FANNYSIDE	13	803726	94	NONE	ROUTINE
07/10/2004	FANNYSIDE MUIR	77	804740	94	NONE	ROOST
07/10/2004	LUCKENBURN	305	822722	94	LOW FLYING	ROUTINE
08/10/2004	LUCKENBURN	306	824722	94	NONE	ROUTINE
09/10/2004	TIPPETCRAIG	339	827769	130	NONE	ROUTINE
10/10/2004	LUCKENBURN	306	824722	190	NONE	ROUTINE
11/10/2004	LUCKENBURN	306	824722	94	NONE	ROUTINE
12/10/2004	FANNYSIDE MILL	14	811730	196	NONE	ROUTINE
12/10/2004	LUCKENBURN	306	824722	196	NONE	ROUTINE
14/10/2004	LUCKENBURN	9	819722	155	NONE	ROUTINE
14/10/2004	LUCKENBURN	305	822722	96	NONE	ROUTINE
16/10/2004	LUCKENBURN	305	822722	127	NONE	ROUTINE
17/10/2004	LUCKENBURN	9	819722	144	NONE	ROUTINE
17/10/2004	BLACKHILL	26	822726	140	NONE	ROUTINE
17/10/2004	TIPPETCRAIG	326	832765	107	NONE	ROUTINE
18/10/2004	LUCKENBURN	305	822722	158	NONE	ROUTINE
18/10/2004	LUCKENBURN	306	824722	42	NONE	ROUTINE
19/10/2004	LUCKENBURN	305	822722	49	NONE	ROUTINE
19/10/2004	LUCKENBURN	306	824722	84	NONE	ROUTINE
21/10/2004	LUCKENBURN	9	819722	157	NONE	ROUTINE
21/10/2004	LUCKENBURN	305	822722	104	NONE	ROUTINE
22/10/2004	FANNYSIDE MUIR	77	804740	0	NONE	ROOST
22/10/2004	LUCKENBURN	305	822722	235	NONE	ROUTINE
23/10/2004	LUCKENBURN	305	822722	210	NONE	ROUTINE
23/10/2004	LUCKENBURN	306	824722	19	NONE	ROUTINE
25/10/2004	BLACKHILL	26	822726	175	NONE	ROUTINE
26/10/2004	LUCKENBURN	9	819722	230	NONE	ROUTINE
26/10/2004	LUCKENBURN	9	819722	48	NONE	ROUTINE
26/10/2004	LUCKENBURN	305	822722	252	NONE	ROUTINE
26/10/2004	LUCKENBURN	305	822722	204	NONE	ROUTINE
27/10/2004	LUCKENBURN	9	819722	251	NONE	ROUTINE
31/10/2004	TIPPETCRAIG	326	832765	70	NONE	ROUTINE
01/11/2004	TIPPETCRAIG	333	830767	200	NONE	ROUTINE
04/11/2004	LUCKENBURN	9	819722	85	NONE	ROUTINE
04/11/2004	LUCKENBURN	305	822722	120	NONE	ROUTINE
04/11/2004	TIPPETCRAIG	339	827769	24	NONE	ROUTINE
05/11/2004	LUCKENBURN	9	819722	86	NONE	ROUTINE
06/11/2004	FANNYSIDE MUIR	77	804740	252	NONE	ROOST
06/11/2004	TIPPETCRAIG	335	832768	2	NONE	ROUTINE
06/11/2004	TIPPETCRAIG	338	830770	150	NONE	ROUTINE
06/11/2004	TIPPETCRAIG	339	827769	98	NONE	ROUTINE
12/11/2004	LUCKENBURN	305	822722	252	NONE	ROUTINE
13/11/2004	LUCKENBURN	9	819722	262	NONE	ROUTINE

DATE	PLACE	FIELD NO	GRID	NUMBER	DISTURBANCE	OBSERVATION TYPE
13/11/2004	LUCKENBURN	305	822722	262	NONE	ROUTINE
14/11/2004	GRANGENEUK	290	826734	200	NONE	ROUTINE
14/11/2004	LUCKENBURN	306	824722	75	NONE	ROUTINE
14/11/2004	LUCKENBURN	306	824722	90	NONE	ROUTINE
17/11/2004	TIPPETCRAIG	323	827765	260	NONE	ROUTINE
18/11/2004	LUCKENBURN	305	822722	0	NONE	ROUTINE
22/11/2004	TIPPETCRAIG	323	827765	200	NONE	ROUTINE
26/11/2004	FANNYSIDE MUIR	77	804740	0	NONE	ROOST
26/11/2004	TIPPETCRAIG	326	832765	24	NONE	ROUTINE
26/11/2004	TIPPETCRAIG	338	830770	50	NONE	ROUTINE
28/11/2004	TIPPETCRAIG	173	828762	60	NONE	ROUTINE
28/11/2004	TIPPETCRAIG	323	827764	62	NONE	ROUTINE
28/11/2004	TIPPETCRAIG	323	827764	262	NONE	ROUTINE
28/11/2004	TIPPETCRAIG	338	830770	200	NONE	ROUTINE
29/11/2004	BEAM FARM	170	836764	5	FARMING	ROUTINE
03/12/2004	BLACKHILL	26	821727	262	NONE	ROUTINE
03/12/2004	FANNYSIDE MUIR	77	804740	262	NONE	ROOST
05/12/2004	LUCKENBURN	9	819722	85	NONE	ROUTINE
05/12/2004	OAKERSDYKE	278	838741	7	NONE	ROUTINE
07/12/2004	LUCKENBURN	9	819722	197	NONE	ROUTINE
07/12/2004	BLACKHILL	26	821727	197	NONE	ROUTINE
07/12/2004	LUCKENBURN	303	820719	197	NONE	ROUTINE
08/12/2004	LUCKENBURN	9	819722	262	NONE	ROUTINE
08/12/2004	FANNYSIDE MUIR	77	804740	262	NONE	ROOST
09/12/2004	BLACKHILL	26	821727	8	NONE	ROUTINE
09/12/2004	OAKERSDYKE	278	838741	6	NONE	ROUTINE
09/12/2004	LUCKENBURN	303	820719	94	NONE	ROUTINE
10/12/2004	EAST FANNYSIDE LOCH	401	807736	200	NONE	ROOST
12/12/2004	LUCKENBURN	9	819722	0	NONE	ROUTINE
17/12/2004	TIPPETCRAIG	326	832765	130	NONE	ROUTINE
17/12/2004	TIPPETCRAIG	334	831767	30	NONE	ROUTINE
17/12/2004	TIPPETCRAIG	339	827769	100	NONE	ROUTINE
18/12/2004	BLACKHILL	26	821727	37	NONE	ROUTINE
18/12/2004	BEAM FARM	170	836764	100	ACC FLUSHED	ROUTINE
18/12/2004	HILLEND	255	848736	0	NONE	ROUTINE
18/12/2004	TIPPETCRAIG	325	830765	20	NONE	ROUTINE
18/12/2004	TIPPETCRAIG	339	827769	17	NONE	ROUTINE
20/12/2004	LUCKENBURN	303	820719	180	NONE	ROUTINE
22/12/2004	HILLEND	255	848736	0	NONE	ROUTINE
23/12/2004	BEAM FARM	170	836764	0	NONE	ROUTINE
24/12/2004	BEAM FARM	170	836764	0	NONE	ROUTINE
25/12/2004	LUCKENBURN	9	819722	200	NONE	ROUTINE
25/12/2004	GARBETHILL	80	824748	47	NONE	ROUTINE
26/12/2004	LUCKENBURN	9	819722	99	NONE	ROUTINE
26/12/2004	LOCH ELRIG	180	887747	0	NONE	ROUTINE
26/12/2004	LUCKENBURN	303	820719	163	NONE	ROUTINE
28/12/2004	LUCKENBURN	9	819722	208	NONE	ROUTINE
28/12/2004	LUCKENBURN	305	822722	5	NONE	ROUTINE
30/12/2004	BLACKHILL	8	818727	6	NONE	ROUTINE
30/12/2004	BLACKHILL	26	821727	184	NONE	ROUTINE
30/12/2004	FANNYSIDE MUIR	77	804740	190	NONE	ROOST

DATE	PLACE	FIELD NO	GRID	NUMBER	DISTURBANCE	OBSERVATION TYPE
30/12/2004	FANNYSIDE MUIR	77	804740	3	NONE	ROOST
30/12/2004	FANNYSIDE MUIR	77	804740	29	NONE	ROOST
30/12/2004	FANNYSIDE MUIR	77	804740	12	NONE	ROOST
30/12/2004	WEST FANNYSIDE LOCH	400	800735	28	NONE	ROOST
02/01/2005	HILLEND	255	848736	0	NONE	ROUTINE
02/01/2005	WESTER JAW	261	850738	6	NONE	ROUTINE
03/01/2005	WESTER JAW	120	847746	0	NONE	ROUTINE
03/01/2005	TIPPETCRAIG	325	830765	60	NONE	ROUTINE
03/01/2005	TIPPETCRAIG	333	830767	30	NONE	ROUTINE
03/01/2005	TIPPETCRAIG	339	827769	150	NONE	ROUTINE
04/01/2005	BLACKHILL	26	821727	72	NONE	ROUTINE
04/01/2005	TIPPETCRAIG	323	827764	190	NONE	ROUTINE
06/01/2005	STRATHAVEN	138	865740	0	NONE	ROUTINE
07/01/2005	FANNYSIDE MUIR	77	804740	40	NONE	ROOST
08/01/2005	HILLEND	255	848736	4	NONE	ROUTINE
08/01/2005	WESTER JAW	261	850738	0	NONE	ROUTINE
08/01/2005	TIPPETCRAIG	324	828765	18	NONE	ROUTINE
09/01/2005	BLACKHILL	26	871727	200	NONE	ROUTINE
09/01/2005	HILLEND	255	848736	0	NONE	ROUTINE
13/01/2005	BLACKHILL	26	821727	53	NONE	ROUTINE
13/01/2005	TIPPETCRAIG	323	827764	200	NONE	ROUTINE
15/01/2005	LUCKENBURN	9	819722	162	NONE	ROUTINE
15/01/2005	FANNYSIDE MUIR	77	804740	162	NONE	ROOST
15/01/2005	HILLEND	251	850734	0	NONE	ROUTINE
16/01/2005	LUCKENBURN	9	819722	34	NONE	ROUTINE
16/01/2005	BLACKHILL	26	821727	160	NONE	ROUTINE
16/01/2005	FANNYSIDE MUIR	77	804740	160	NONE	ROOST
19/01/2005	LUCKENBURN	9	819722	99	NONE	ROUTINE
20/01/2005	LUCKENBURN	9	819722	92	NONE	ROUTINE
20/01/2005	BLACKHILL	26	821727	9	NONE	ROUTINE
21/01/2005	LUCKENBURN	9	819722	70	NONE	ROUTINE
21/01/2005	TIPPETCRAIG	339	827769	140	NONE	ROUTINE
22/01/2005	LUCKENBURN	9	819722	67	NONE	ROUTINE
22/01/2005	GARBETHILL	48	821755	180	NONE	ROUTINE
22/01/2005	LUCKENBURN	304	822721	8	NONE	ROUTINE
22/01/2005	TIPPETCRAIG	323	827764	180	NONE	ROUTINE
23/01/2005	LUCKENBURN	9	819722	180	NONE	ROUTINE
23/01/2005	WEST FANNYSIDE LOCH	400	800735	50	NONE	ROOST
26/01/2005	LUCKENBURN	9	819722	91	NONE	ROUTINE
26/01/2005	LUCKENBURN	9	819722	10	FARMING	ROUTINE
26/01/2005	BLACKHILL	26	821727	48	NONE	ROUTINE
28/01/2005	TIPPETCRAIG	173	826762	109	NONE	ROUTINE
29/01/2005	LUCKENBURN	9	819722	75	NONE	ROUTINE
30/01/2005	LUCKENBURN	9	819722	115	NONE	ROUTINE
03/02/2005	FANNYSIDE MUIR	77	804740	0	NONE	ROOST
03/02/2005	TIPPETCRAIG	338	830770	60	NONE	ROUTINE
04/02/2005	GARBETHILL MUIR	48	821755	33	NONE	ROUTINE
04/02/2005	TIPPETCRAIG	338	830770	150	NONE	ROUTINE
05/02/2005	BLACKHILL	26	821727	9	NONE	ROUTINE
05/02/2005	FANNYSIDE MUIR	77	804740	239	NONE	ROOST

DATE	PLACE	FIELD NO	GRID	NUMBER	DISTURBANCE	OBSERVATION TYPE
05/02/2005	TIPPETCRAIG	338	830770	40	NONE	ROUTINE
05/02/2005	TIPPETCRAIG	338	830770	143	NONE	ROUTINE
08/02/2005	FANNYSIDE MUIR	77	804740	250	NONE	ROOST
09/02/2005	FANNYSIDE MUIR	77	804740	200	NONE	ROOST
09/02/2005	HILLEND	251	851734	0	NONE	ROUTINE
09/02/2005	TIPPETCRAIG	339	827769	134	ACC FLUSHED	ROUTINE
11/02/2005	GARBETHILL MUIR	48	821755	34	NONE	ROUTINE
11/02/2005	FANNYSIDE MUIR	77	804740	210	NONE	ROOST
11/02/2005	WESTER JAW	261	850738	0	NONE	ROUTINE
15/02/2005	TIPPETCRAIG	326	832765	7	NONE	ROUTINE
18/02/2005	FANNYSIDE MUIR	77	804740	0	NONE	ROOST
18/02/2005	TIPPETCRAIG	339	827769	0	NONE	ROUTINE