

Sorby-Breck Ringing Group
October 2007 Newsletter

"To provide data from ringing activities to support the conservation and knowledge of bird species in Derbyshire and South Yorkshire."

MY FIRST YEAR C.E.S AT BLACKBURN MEADOWS NATURE RESERVE

After receiving an e-mail from Mark Grantham the B.T.O's C.E.S co-ordinator asking ringers to consider adopting one of their sites to carry out a C.E.S., with help from Sean Ashton I decided to carry one out at Blackburn Meadows N/R. This is a habitat of Phragmites reed beds and scrub making it an ideal place to perform this type of study.

I decided to have a total of 5 permanent nets with the possibility of extra nets when Sean was available to help. The 5 permanent nets consisted of 2, 18 meter nets through reed beds, with 2, 18 meter nets and 1, 12 meter net through scrub, 84 meters of nets in total.

Starting putting the nets up at 5am prompt, and taking them down at 10 o'clock in the same order of putting them up ensuring that each net was up for the same amount of time. Each net was numbered from 1-5 and a note was made of which bird came from which net. This routine was repeated over the 12 sessions.

The weather this summer has been one of two extremes, one of the driest springs on record followed by the wettest ever summer. Fortunately I was able to choose the best days for each session to carry out my ringing. Due to persistent rain the water levels in the two lakes rose by 2 feet. This meant a return to wearing our waders again but more importantly how would this affect breeding?

A C.E.S looks at two things. Sessions 1-6 look at the survival of adult birds returning to breed, while sessions 7-12 look at their success in breeding. Several adult birds were re-trapped wearing rings from a year or two ago including Reed, Sedge Warblers and Reed Bunting. The amount of juvenile birds for sessions 7-12 began very slowly but by sessions 11 and 12 had finally picked up.

Although taking on a C.E.S is a commitment, overall I have enjoyed my first year and I am looking forward to next year, after which comparisons can start to be made. I would advise any ringers with a suitable site to carry out their own C.E.S especially if you cover that site through the spring and summer anyway. As well as the conservation value, the B.T.O also gives 11p per bird ringed to the group which helps us all out.

I would like to thank Dave Williams for his advice and also for help with the IPMR, and Sean for his much appreciated help.

Kevin Bower.

CES Capture Totals 2007 - Blackburn Meadows NR

SPECIES	Adult	Juvenile	Total
Sparrowhawk	1	0	1
Kingfisher	0	2	2
House Martin	1	0	0
Wren	4	5	9
Duncock	5	3	8
Robin	4	6	10
Blackbird	7	4	11
Song Thrush	5	0	5
Sedge Warbler	9	4	13
Reed Warbler	27	7	34
Lesser Whitethroat	5	4	9
Whitethroat	11	14	25
Garden Warbler	7	5	12
Blackcap	12	9	21
Chiffchaff	8	18	26
Willow Warbler	18	14	32
Long-tailed Tit	5	3	8
Blue Tit	8	11	19
Great Tit	10	4	14
Chaffinch	1	1	2
Greenfinch	5	2	7
Goldfinch	10	3	13
Bullfinch	7	5	12
Reed Bunting	14	0	14
TOTALS	184	124	308

September 2007 Totals

Monthly Species Totals Report

	Q1 2007	Q2 2007	Jul 2007	Aug 2007	Sep 2007	Total 2007	Jan/Sep 2006
Mute Swan	238	125	77	109		549	42
Whooper Swan		1				1	
Greylag Goose	3		1			4	3
Greater Canada Goose	8	18	2			28	38
Wigeon							1
Teal							1
Mallard	2	4				6	10
Hen Harrier							9
Goshawk		3				3	10
Sparrowhawk	2	1	1			4	3
Buzzard		10				10	2
Kestrel		46	2			48	17
Merlin		1	4			5	13
Hobby			13	16		29	42
Peregrine		4				4	9
Moorhen	2		1		1	4	2
Coot	1					1	2
Oystercatcher							2
Little Ringed Plover							10
Ringed Plover							6
Lapwing		26	3			29	66
Jack Snipe							2
Snipe	8	2				10	5
Curlew							2
Common Sandpiper							3
Common Tern		7				7	8

	Q1 2007	Q2 2007	Jul 2007	Aug 2007	Sep 2007	Total 2007	Jan/Sep 2006
Stock Dove		13	3	8	2	26	22
Woodpigeon		8		1		9	23
Collared Dove		3			1	4	4
Barn Owl		7				7	11
Little Owl		3				3	11
Tawny Owl		23			1	24	11
Long-eared Owl		9				9	5
Short-eared Owl		3				3	
Swift		18	3			21	96
Kingfisher		4	2	1		7	10
Green Woodpecker		1	1			2	1
Great Spotted Woodpecker	4	11	2	3	1	21	8
Skylark		1				1	
Sand Martin		8	43			51	2
Swallow		588	371	288	42	1289	850
House Martin		88	133		2	223	268
Tree Pipit		2		4	1	7	11
Meadow Pipit		2		54	325	381	191
Yellow Wagtail		1	1			2	3
Grey Wagtail	2	57	21	4	4	88	65
Pied Wagtail	183	48	46	5	13	295	87
Waxwing							39
Dipper		37				37	31
Wren	23	83	32	54	38	230	181
Duncock	71	95	44	47	37	294	210
Robin	51	141	37	65	29	323	230
Redstart		8	1			9	15
Whinchat			4			4	3
Stonechat					5	5	14
Ring Ouzel		13				13	57

	Q1 2007	Q2 2007	Jul 2007	Aug 2007	Sep 2007	Total 2007	Jan/Sep 2006
Blackbird	61	184	39	66	51	401	267
Song Thrush	9	31	9	10	9	68	47
Redwing	7					7	6
Mistle Thrush		12				12	7
Grasshopper Warbler		1			1	2	4
Sedge Warbler		10	8	7	2	27	80
Reed Warbler		18	23	17	16	74	169
Lesser Whitethroat		9	3	5	2	19	14
Whitethroat		51	33	17	16	117	92
Garden Warbler		35	25	6		66	60
Blackcap		68	71	31	81	251	163
Wood Warbler							9
Chiffchaff	6	46	66	151	79	348	203
Willow Warbler		105	43	60	15	223	299
Goldcrest	30	11	1	9	35	86	41
Firecrest					1	1	
Spotted Flycatcher		10	11	2		23	6
Pied Flycatcher		91				91	118
Long-tailed Tit	101	148	24	29	41	343	315
Marsh Tit	1	2				3	2
Willow Tit	6	5	3	8	4	26	24
Coal Tit	51	14	7	32	33	137	88
Blue Tit	387	458	32	67	56	1000	836
Great Tit	174	390	45	63	45	717	652
Nuthatch	8	20	1	1	2	32	21
Treecreeper	7	8		3		18	34
Jay	5	4	1	2		12	1
Magpie		7		2		9	8
Jackdaw	1	5	1			7	
Rook		3				3	

	08/07/2007	R	Aldwarke, Rawmarsh, S Yorks (RAK)	37km, 343days
				<i>at colony</i>
Swallow				
V343619	01/09/2006	3J	Burton Moor, Derbys	
	13/05/2007	R	Bakewell SF, Derbys (GB)	5km, 254days
Grey Wagtail				
V131747	26/05/2007	3J	Baslow SF, Derbys (AP)	
	01/07/2007	R	Carr Vale SF, Derbys (EJW)	22km, 36days
Blackbird				
CL88480	12/05/2007	1	Barlborough, Derbys (EJW)	
	02/06/2007	XF	Barlborough, Derbys	0km, 21days
				<i>hit glass</i>
Reed Warbler				
P002479	13/08/1999	3	Icklesham, Sussex	
	17/07/2007	R	Blackburn Meadows NR, Sheffield (KB)	313km, 7yr338days
	24/07/2007	R	Blackburn Meadows NR, Sheffield (KB)	7yr345days
Pied Flycatcher				
N006756	07/06/2000	1	Hathersage, Derbys (RAK)	
	26/05/2006	RB	Kentmere Hall Plantn, Kentmere, Cumbria	143km, 5yr356days
	24/05/2007	RB	Kentmere Hall Plantn, Kentmere, Cumbria	143km, 6yr351days
R088720	05/06/2004	1	Rivelin Valley, Sheffield (PL)	
	04/06/2007	RB	Coombes Valley NR, Staffs	44km, 2yr364days
Coal Tit				
R606437	31/05/2006	4	Hathersage, Derbys (BS)	
	16/05/2007	XF	Hathersage, Derbys	0km, 350days
				<i>at nest box</i>
Great Tit				
TC19443	19/05/2007	1	Walkley Bank, Sheffield (SS)	
	17/06/2007	XF	Walkley, Sheffield	0km, 29days
				<i>road casualty</i>
Tree Sparrow				

V226373	24/08/2006	3J	Cowers Lane, Belper, Derbys (JS)	
	02/06/2007	XF	Cowers Lane, Belper, Derbys	0km, 282days <i>at nest box</i>

Bullfinch

V226123	01/08/2006	3J	Cowers Lane, Belper, Derbys (DA)	
	02/06/2007	XF	Cowers Lane, Belper, Derbys	0km, 305days

David Williams

BROOKFIELD MANOR
NEST BOX SCHEME 2007

The boxes in 2007 produced the following results.

As in 2006 there were again no breeding Pied Flycatchers and both Nuthatch and Coal Tit were unsuccessful in their nesting attempts.

The three open fronted boxes were again not used. Of the 42 Tit boxes in position, 11 were empty, 3 were used by wasps and 3 had nest bases only. Most of the unused boxes were in the area by the stream towards the nature garden.

This left a total of 25 boxes that were used.

A Coal Tit [ring no R606437] was found dead in box 7, being caught up in the wool and hair used in the nest building material. This bird was ringed as a pullus in 2006 from an adjacent box.

A pair of Nuthatches nested in box 4 and laid 3 eggs, but these did not hatch.

Of the boxes used by the tit species Great Tits used 11 boxes and Blue Tits 12.

Adult Great Tits were not disturbed when sitting on eggs or small young but 4 adult birds were ringed at a later date from boxes 1, 14, 19 and 36.

6 Great Tit boxes were successful and produced 28 fledged young from a total of 50 eggs laid in the 11 boxes.

7 adult Blue Tits were ringed by being taken off nests and 2 birds were found to already have rings. A Blue Tit [ring no R515453] was originally ringed in 2005 after being picked off nest in a nearby box as a sitting adult. The other retrap bird [ring no P589149] was also ringed

originally as an adult in box 0 and again nested in the same box, but unlike 2006 when 6 fledged birds were raised, this year the breeding was unsuccessful.

The Blue Tits laid 80 eggs in the 12 boxes used, however, only 38 young fledged from this total.

The total number of pulli produced was 94. compared to 117 in 2006 and 106 in 2005. The total number of birds successfully fledging in 2007 was 66 compared to 109 in 2006 and 89 in 2005, this low success rate probably caused by the poor weather conditions and the consequent lack of food during the main breeding season. with Blue Tits being particularly hard hit.

Previous poor results occurred in 1994 when the total success rate was 47%, 1999 with an overall success rate of 48% and particularly had years in 2001, when only 28% success was recorded and 2003 when the figure was 35%. In these two years only 37 and 51 young successfully fledged respectively. The worst ever year for Great Tits was in 1994 when only 1 young fledged, for Blue Tits the worst year was 1999 when only 15 fledged.

The most used boxes over the years have been no's 10, 12, 28, 36 and 37. In 2006 only no 12 was used out these most popular boxes but this year no's 10, 12, 36 and 37 were occupied. Of these, 2 were used by Great Tits and 2 by Blue Tits, box 28 had been taken over by wasps.

The least used boxes have been no's 29 and 43, however this year Blue Tits used box 29, but box 43 was again unused and the last time it was occupied was 14 years ago.

The most successful area this year has been in and adjacent to the nature garden.

ANALYSIS

	Blue Tit	Great Tit	Coal Tit	Nuthatch	Total
Nests	12	11	1	1	25
Eggs	80	50+	0	3	133+
Ave clutch	6.6	4.5	0	3	5.5
Pullus	60	34	0	0	94
Ringed	55	28	0	0	83
Fledged	37	26	0	0	63
Success rate	46%	52%	0	0	47%

	Blue Tit	Great Tit	Coal Tit	Nuthatch	Total
Ringed Adult	7	3	0	0	10
Retrap	2	0	1	0	3
Pullus	55	28	0	0	83
Total	64	31	1	0	96

Brian Smithson. Ray Knock Alan Peachey **Sorby Breck Ringing Group**