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Egg- and clutch-size variation, and chick growth in lesser black-backed gulls larus fucus: adaptation constraint?

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CHAPTER 5: APPENDIX.

Description of appendix.

Each page consists of a data sheet upon which is written the entire record for a particular study nest, organized in the following manner: the first table contains estimated laying date, volume, and fate of each egg within that particular nest. A separate column is used for each individual egg, and is labelled according to the position occupied by that egg in the laying sequence. In cases where this position could not be determined, the column heading is reduced to simply read “egg” (the following letter already present on the printed sheet having been blacked out).

The second table contains estimated hatch dates for chicks from the above eggs, whilst the third table records the corresponding measurements of beak length, tarsus length and body weight (abbreviated to beak, leg and wght), taken repeatedly over successive visits to the nest. Both tables adopt similar column labelling to that described above, so that headings relating to chicks who cannot be assigned a position in the brood are reduced to read simply “chick.”



SITE: A

NEST: 1

	Egg A 1	Egg B 2	Egg C
Date first recorded in nest	9/5/95	14/5/95	/
Date of previous nest visit	—	12/5/95	
Assumed Laying Date	—	Day 13	
Dimensions (mm)	73.3 x 50.2	71.0 x 47.2	
Volume (cm ³)	87.92	75.29	
Outcome	Missing: 22/5/95	Hatched.	

	Chick A	Chick B	Chick C
Date first recorded in nest	/	12/6/95	/
Date of previous nest visit		8/6/95	
Other Information		Egg cracking: 8/6/95	
Assumed Hatch Date		Day 40.5	

Date	Chick A				Chick B				Chick C			
	Sex	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Sex	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6												
12-6					25	19	32	100				
13-6					—	—	—	—				
16-6					← MISSING →							
21-6					45	28	45	300				
26-6					55	32	58	375				
1-7					65	36	59	445				
6-7					75	38	59	535				
11-7					← MISSING →							
16-7					85	43	62	735				
21-7					← MISSING →							

SITE: A

NEST: 2

	Egg A 3	Egg B 4	Egg C 5
Date first recorded in nest	9-5-95	12-5-95	14-5-95
Date of previous nest visit	—	9-5-95	12-5-95
Assumed Laying Date	—	Day 10.5	Day 13
Dimensions (mm)	64.1 x 47.5	66.4 x 48.4	64.2 x 45.8
Volume (cm ³)	68.84	74.04	64.10
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8-6-95	8-6-95	8-6-95
Date of previous nest visit	5-6-95	5-6-95	5-6-95
Other Information	Egg cracking: 5-6-95	Egg cracking: 5-6-95	—
Assumed Hatch Date	Day 37	Day 37	Day 37.5

Date	Chick ●				Chick ●				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	2	16	29	65	2	18	26	65	1.5	14	23	45
12-6	6	21	38	130	6	23	37	145	5.5	16	25	50
13-6	—	—	—	—	—	—	—	—	—	—	—	—
16-6	10	26	44	245	10	26	45	285	9.5	19	30	95
21-6	15	28	49	250	15	29	49	310	← MISSING →			
26-6	← MISSING →				← MISSING →				← MISSING →			
1-7	← MISSING →				25	34	59	510	← MISSING →			
6-7	← MISSING →				← MISSING →							
11-7												
16-7												
21-7												

SITE: A

NEST: 3

	Egg A 6	Egg B 7	Egg C 8
Date first recorded in nest	9/5/95	12/5/95	14/5/95
Date of previous nest visit	-	9/5/95	12/5/95
Assumed Laying Date	-	Day 10.5	Day 13
Dimensions (mm)	64.5 x 45.6	59.6 x 43.5	59.0 x 43.8
Volume (cm ³)	63.84	53.68	53.88
Outcome	MISSING: 19/5/95	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	/	8/6/95	13/6/95
Date of previous nest visit		5/6/95	8/6/95
Other Information		-	PIPPING: 8/6/95
Assumed Hatch Date		Day 37.5	Day 40.5

Date	Chick A				Chick B				Chick C							
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)				
28-5	/															
30-5																
2-6																
5-6																
8-6									1.5	16	23	45				
12-6										-	-	-				
13-6									6.5	20	32	95	3.5	18	28	70
16-6									9.5	23	37	145	5.5	21	34	140
21-6									14.5	27	43	270	11.5	23	43	200
26-6									19.5	29	50	350	16.5	25	48	210
1-7									21.5	32	53	440	← Dead →			
6-7										35	56	570				
11-7									← MISSING →							
16-7						↓										
21-7						↓										

SITE:	A
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NEST:	4
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No eggs laid during study period

SITE: A

NEST: 6

	Egg A 12	Egg B 13	Egg C
Date first recorded in nest	14/5/95	17/5/95	/
Date of previous nest visit	12/5/95	14/5/95	
Assumed Laying Date	Day 13	Day 15.5	
Dimensions (mm)	66.9 x 47.8	67.2 x 46.0	
Volume (cm ³)	72.76	67.68	
Outcome	Hatched	Hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	12/6/95	12/6/95	/
Date of previous nest visit	8/6/95	8/6/95	
Other Information	-	-	
Assumed Hatch Date	Day 41	Day 41	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6												
12-6	2	18	30	60	2	18	27	55				
13-6	-	-	-	-	-	-	-	-				
16-6	6	20	33	85	6	19	30	80				
21-6	11	24	49	165	← Dead →							
26-6	16	31	50	265								
1-7	21	33	55	350								
6-7	26	36	55	400								
11-7	← MISSING →											
16-7	31	40	65	670								
21-7	41	40	66	740								

SITE: A

NEST: 7

	Egg A 14	Egg B 15	Egg C 16
Date first recorded in nest	22/5/95	25/5/95	28/5/95
Date of previous nest visit	19/5/95	22/5/95	25/5/95
Assumed Laying Date	Day 20.5	Day 23.5	Day 26.5
Dimensions (mm)	70.3 x 45.7	64.7 x 47.2	70.5 x 45.4
Volume (cm ³)	69.89	68.61	69.17
Outcome	Hatched	Hatched	Never hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	21/6/95	21/6/95	/
Date of previous nest visit	16/6/95	16/6/95	
Other Information	-	-	
Assumed Hatch Date	Day 49.5	Day 49.5	

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6												
12-6												
13-6												
16-6												
21-6	7.5	16	26	55	7	16	27	55				
26-6	12	18	33	105	12	19	36	110				
1-7	17.5	22	41	180	17.5	25	46	220				
6-7	22.5	25	45	240	17.5	27	50	285				
11-7	27.5	27	54	355	← MISSING →							
16-7		32	59	515	← MISSING →							
21-7		37	62	665	← MISSING →							

SITE:	A
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NEST:	8
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No eggs laid during study period.

SITE: A

NEST: 9

	Egg A 17	Egg B 18	Egg C 19
Date first recorded in nest	9/5/95	12/5/95	14/5/95
Date of previous nest visit	-	9/5/95	12/5/95
Assumed Laying Date	-	Day 10.5	Day 13
Dimensions (mm)	68.1 x 49.0	67.5 x 49.1	68.7 x 48.3
Volume (cm ³)	77.83	77.46	76.29
Outcome	Hatched	Hatched	Never hatched

	Chick A	Chick B	
Date first recorded in nest	8/6/95	8/6/95	/
Date of previous nest visit	5/6/95	5/6/95	
Other Information	PIPPING: 5/6/95	-	
Assumed Hatch Date	Day 37	Day 37.5	

Date	Chick A				Chick B							
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)				
28-5												
30-5												
2-6												
5-6												
8-6	2	17	28	65	15	16	27	60				
12-6	-	-	-	-	-	-	-	-				
13-6	7	21	29	115	20	21	31	115				
16-6	← MISSING →				← MISSING →							
21-6	15	29	43	315	14	27	45	260				
26-6	20	32	53	420	17	30	54	360				
1-7	25	35	60	580	22	33	59	505				
6-7	← MISSING →				← MISSING →							
11-7												
16-7												
21-7												

SITE: A

NEST: 10

	Egg A 20	Egg B 21	Egg C 22
Date first recorded in nest	9/5/95	14/5/95	19/5/95
Date of previous nest visit	1-/15	12/5/95	17/5/95
Assumed Laying Date	-	Day 13	Day 18
Dimensions (mm)	61.6 x 46.5	59.2 x 45.7	60.0 x 45.2
Volume (cm ³)	63.40	58.85	58.35
Outcome	Hatched	Hatched	MISSING: 5/6/95

	Chick A	Chick B	Chick C
Date first recorded in nest	8/6/95	8/6/95	/
Date of previous nest visit	5/6/95	5/6/95	
Other Information	Just hatched: 8/6/95	Just hatched: 8/6/95	
Assumed Hatch Date	Day 39	Day 39	

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	Too Young To Measure				Too Young To Measure							
12-6	4	16	26	45	4	16	27	50				
13-6	-	-	-	-	-	-	-	-				
16-6	6	17	28	60	2	17	28	70				
21-6	13	19	31	95	← MISSING →							
26-6	← MISSING →				← MISSING →							
1-7	← MISSING →				← MISSING →							
6-7	← MISSING →											
11-7												
16-7												
21-7												

SITE: A

NEST: 11

	Egg A 23	Egg 24	Egg 25
Date first recorded in nest	9/5/95	12/5/95	12/5/95
Date of previous nest visit	—	9/5/95	9/5/95
Assumed Laying Date	—	Day 10.5?	Day 10.5?
Dimensions (mm)	69.5 x 48.9	66.2 x 49.5	63.6 x 47.7
Volume (cm ³)	79.11	77.21	68.88
Outcome	Hatched	Hatched	Never Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	5/6/95	8/6/95	
Date of previous nest visit	2/6/95	5/6/95	
Other Information	Egg cracking: 2/6/95	—	
Assumed Hatch Date	Day 34	Day 37.5	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6	2	16	24	65								
8-6	5	20	33	120	15	16	29	60				
12-6	← MISSING →				5.5	17	29	65				
13-6	—	—	—	—	—	—	—	—				
16-6	13	26	45	245	7.5	19	33	95				
21-6	18	28	50	390	14.5	20	36	125				
26-6	23	34	59	510	← Dead →							
1-7	27	38	62	670								
6-7	33	40	62	750								
11-7	← MISSING →											
16-7												
21-7												

SITE: A

NEST: 13

	Egg A 29	EGG B	EGG C
Date first recorded in nest	9/5/95		
Date of previous nest visit	-		
Assumed Laying Date	-		
Dimensions (mm)	62.0 x 45.6		
Volume (cm ³)	61.37		
Outcome	MISSING: 14/5/95		

SITE:	A
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NEST:	14
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No eggs laid during study period

SITE: A

NEST: 15

	Egg A 30	Egg B 31	
Date first recorded in nest	14/5/95	17/5/95	/
Date of previous nest visit	12/5/95	14/5/95	
Assumed Laying Date	Day 13	Day 15.5	
Dimensions (mm)	68.3 x 46.6	68.8 x 45.7	
Volume (cm ³)	70.60	68.40	
Outcome	MISSING; 2/6/95	Hatched	

		Chick B	
Date first recorded in nest	/	13/6/95	/
Date of previous nest visit		8/6/95	
Other Information		—	
Assumed Hatch Date		Day 41.5	

Date	Chick A				Chick B				Chick C				
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	
28-5													
30-5													
2-6													
5-6													
8-6													
12-6													
13-6					20	16	25	45					
16-6					22	17	30	80					
21-6					27	23	37	140					
26-6					32	27	43	265					
1-7					37	29	50	345					
6-7					← MISSING →								
11-7					42	35	55	560					
16-7					← MISSING →								
21-7						↓							

SITE: A

NEST: 17

	Egg A 34		
Date first recorded in nest	9-5-95		
Date of previous nest visit	-		
Assumed Laying Date	-		
Dimensions (mm)	67.5 x 46.3		
Volume (cm ³)	68.88		
Outcome	Broken: 2/6/95		

SITE: A

NEST: 18

	Egg A 35	Egg B 36	
Date first recorded in nest	9/5/95	14/5/95	/
Date of previous nest visit	—	12/5/95	
Assumed Laying Date	—	Day 13	
Dimensions (mm)	66.1 x 45.5	62.5 x 43.2	
Volume (cm ³)	65.14	55.52	
Outcome	Hatched	Hatched	

	Chick A	Chick B	
Date first recorded in nest	5/6/95	12/6/95 (Dead)	/
Date of previous nest visit	2/6/95	8/6/95	
Other Information	—	Pipping: 8/6/95	
Assumed Hatch Date	Day 34.5	Day 40	

Date	Chick A				Chick B							
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)				
28-5												
30-5												
2-6												
5-6	1.5	18	28	55								
8-6	4.5	18	32	90								
12-6	8.5	23	39	165	← Dead →							
13-6	—	—	—	—								
16-6	12.5	26	45	265								
21-6	← MISSING →											
26-6	21.5	36	65	625								
1-7	← MISSING →											
6-7												
11-7												
16-7												
21-7												

SITE: A

NEST: 19

	Egg A 37	Egg B 38	Egg C 39
Date first recorded in nest	12/5/95	14/5/95	19/5/95
Date of previous nest visit	9/5/95	12/5/95	17/5/95
Assumed Laying Date	Day 10.5	Day 13	Day 18
Dimensions (mm)	66.2 x 47.0	65.0 x 45.2	64.7 x 44.3
Volume (cm ³)	69.61	63.21	60.44
Outcome	MISSING: 30/5/95	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	/	13/6/95	13/6/95
Date of previous nest visit		8/6/95	8/6/95
Other Information		Egg cracking: 8/6/95	—
Assumed Hatch Date		Day 40.5	Day 41.5

Date	Chick A				Chick B				Chick C				
	Age	Beak	Leg	Wght	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	
28-5	/												
30-5													
2-6													
5-6													
8-6													
12-6													
13-6						3.5	18	28	85	2.5	16	22	45
16-6						6.5	21	36	150	5.5	17	28	80
21-6						11.5	24	47	290	10.5	21	36	165
26-6						16.5	28	57	345	MISSING			
1-7						21.5	31	58	385	MISSING			
6-7						26.5	35	60	495	MISSING			
11-7						← MISSING →							
16-7						36.5	40	65	680				
21-7					← MISSING →								

SITE: A

NEST: 20

	Egg A 40		
Date first recorded in nest	9/5/95		
Date of previous nest visit	-		
Assumed Laying Date	-		
Dimensions (mm)	63.5 x 45.2		
Volume (cm ³)	61.75		
Outcome	MISSING; 12/5/95		

SITE: A

NEST: 21

	Egg A 41	Egg B 42	
Date first recorded in nest	9/5/95	12/5/95	/
Date of previous nest visit	—	9/5/95	
Assumed Laying Date	—	Day 10.5	
Dimensions (mm)	71.8 x 47.6	69.0 x 43.7	
Volume (cm ³)	77.44	62.72	
Outcome	← MISSING; 25/5/95 →		

SITE: A

NEST: 23

	Egg ● 44	Egg ● 45	Egg ●
Date first recorded in nest	9/5/95	9/5/95	/
Date of previous nest visit	—	—	
Assumed Laying Date	—	—	
Dimensions (mm)	73.3 x 49.7	70.3 x 48.5	
Volume (cm ³)	86.18	78.71	
Outcome	MISSING: 14/6/95	Hatched	

	Chick ●	Chick ●	Chick ●
Date first recorded in nest	/	2/6/95	/
Date of previous nest visit		30/5/95	
Other Information		—	
Assumed Hatch Date		Day 31.5	

33

Date	Chick ●				Chick ●				Chick ●								
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)					
28-5	/	/	/	/					/	/	/	/					
30-5																	
2-6					1.5	18	27	75									
5-6					4.5	21	30	110									
8-6					7.5	24	37	160									
12-6					11.5	28	44	310									
13-6					—	—	—	—									
16-6					15.5	30	51	395									
21-6					20.5	36	55	500									
26-6					25.5	39	58	630									
1-7					30.5	43	58	695									
6-7					← MISSING →								↓				
11-7																	
16-7																	
21-7																	

SITE: A

NEST: 24

	Egg A 46	Egg B 47	Egg C 48
Date first recorded in nest	9/5/95	12/5/95	17/5/95
Date of previous nest visit	—	9/5/95	14/5/95
Assumed Laying Date	—	Day 10.5	Day 15.5
Dimensions (mm)	69.3 x 48.6	70.1 x 49.0	67.3 x 47.5
Volume (cm ³)	77.91	80.12	72.28
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8/6/95	8/6/95	12/6/95
Date of previous nest visit	5/6/95	5/6/95	8/6/95
Other Information	Egg cracking: 5/6/95	—	—
Assumed Hatch Date	Day 37	Day 37.5	Day 41

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	2	16	26	65	1.5	17	24	65				
12-6	6	20	38	160	5.5	21	33	115	2	18	27	60
13-6	—	—	—	—	—	—	—	—	—	—	—	—
16-6	10	27	43	270	9.5	24	38	190	6	19	28	90
21-6	15	31	51	430	14.5	28	46	310	11	23	35	180
26-6	← MISSING →								MISSING			
1-7	25	40	61	740	24.5	34	60	525	MISSING			
6-7	← Dead →				← Dead →				MISSING			
11-7												
16-7												
21-7												

SITE: A

NEST: 25

	Egg A 49	Egg B 50	Egg C 51
Date first recorded in nest	9/5/95	12/5/95	14/5/95
Date of previous nest visit	—	9/5/95	12/5/95
Assumed Laying Date	—	Day 10.5	Day 13
Dimensions (mm)	66.0 x 48.5	62.4 x 48.2	64.5 x 45.3
Volume (cm ³)	73.90	69.01	63.00
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8/6/95	8/6/95	8/6/95
Date of previous nest visit	5/6/95	5/6/95	5/6/95
Other Information	PIPPING: 5/6/95	—	—
Assumed Hatch Date	Day 37	Day 37.5	Day 37.5

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	2	15	24	60	1.5	15	27	60	1.5	16	23	50
12-6	6	20	33	115	5.5	21	31	105	5.5	18	28	85
13-6	—	—	—	—	—	—	—	—	—	—	—	—
16-6	10	23	38	190	9.5	23	37	185	MISSING			
21-6	15	27	42	260	14.5	26	43	225	MISSING			
26-6	← MISSING →				19.5	29	52	330	MISSING			
1-7	← MISSING →				24.5	33	57	475	↓			
6-7	30	39	60	620	29.5	35	59	590				
11-7	← MISSING →				↓				↓			
16-7												
21-7												

SITE: A

NEST: 26

	Egg A 52	Egg B 53	Egg C
Date first recorded in nest	9/5/95	12/5/95	/
Date of previous nest visit	—	9/5/95	
Assumed Laying Date	—	Day 10.5	
Dimensions (mm)	66.6 x 48.4	65.7 x 46.2	
Volume (cm ³)	74.26	66.75	
Outcome	Hatched	Hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	5/6/95	8/6/95	/
Date of previous nest visit	2/6/95	5/6/95	
Other Information	Egg cracking: 2/6/95	—	
Assumed Hatch Date	Day 34	Day 37.5	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6	2	18	28	75								
8-6	5	22	35	130	1.5	17	31	75				
12-6	7	27	47	305	2.5	23	38	205				
13-6	—	—	—	—	—	—	—	—				
16-6	13	30	52	410	7.5	27	47	290				
21-6	18	35	57	600	14.5	30	55	465				
26-6	← MISSING →											
1-7					← MISSING →							
6-7												
11-7												
16-7												
21-7												

SITE: A

NEST: 27

	Egg 54	Egg 55	██████
Date first recorded in nest	9/5/95	9/5/95	/
Date of previous nest visit	—	—	
Assumed Laying Date	—	—	
Dimensions (mm)	64.7 x 48.2	64.0 x 47.9	
Volume (cm ³)	71.55	69.90	
Outcome	Hatched	Never hatched.	

	Chick	██████	██████
Date first recorded in nest	30/5/95	/	/
Date of previous nest visit	28/5/95		
Other Information	Egg cracking: 28/5/95		
Assumed Hatch Date	Day 29		

Date	Chick				██████	Chick C		
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5					/	/		
30-5	1	18	29	70				
2-6	4	22	31	130				
5-6	7	24	35	180				
8-6	10	27	47	270				
12-6	14	31	56	375				
13-6		—	—	—				
16-6	17	36	58	490				
21-6	23	39	60	645				
26-6	27	43	63	660				
1-7	33	44	64	655				
6-7	← MISSING →						↓	↓
11-7								
16-7								
21-7								

SITE: A

NEST: 28

	Egg A 56	Egg B 57	
Date first recorded in nest	12/5/95	14/5/95	/
Date of previous nest visit	9/5/95	12/5/95	
Assumed Laying Date	Day 10.5	Day 13	
Dimensions (mm)	64.7 x 48.1	63.1 x 45.7	
Volume (cm ³)	71.25	62.73	
Outcome	Hatched.	Never hatched	

	Chick A		
Date first recorded in nest	8/6/95		/
Date of previous nest visit	5/6/95		
Other Information	Just hatched: 8/6/95		
Assumed Hatch Date	Day 39		

Date	Chick A											
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)								
28-5												
30-5												
2-6												
5-6												
8-6	Too Young To Measure											
12-6		MISSING										
13-6		MISSING										
16-6		MISSING										
21-6												
26-6												
1-7												
6-7												
11-7												
16-7												
21-7												

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SITE:	A
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NEST:	29
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No eggs laid during study period

SITE: A

NEST: 30

	Egg A 58	Egg B	Egg C
Date first recorded in nest	9/5/95	/	/
Date of previous nest visit	—		
Assumed Laying Date	—		
Dimensions (mm)	65.3 x 47.5		
Volume (cm ³)	70.13		
Outcome	Hatched		

	Chick A	Chick B	Chick C
Date first recorded in nest	2/6/95	/	/
Date of previous nest visit	30/5/95		
Other Information	—		
Assumed Hatch Date	Day 31.5		

Chick A					Chick B	Chick C
Date	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Date	Date
28-5					/	/
30-5						
2-6	1.5	17	28	60		
5-6	4.5	18	32	110		
8-6	7.5	22	38	145		
12-6	11.5	27	50	315		
13-6	—	—	—	—		
16-6	15.5	30	55	410		
21-6	← MISSING →					
26-6	15.5	39	63	650		
1-7	30.5	44	65	715		
6-7	← MISSING →					
11-7						
16-7						
21-7						

SITE: A

NEST: 31

	Egg A 59		
Date first recorded in nest	12/5/95		
Date of previous nest visit	9/5/95		
Assumed Laying Date	Day 10.5		
Dimensions (mm)	68.0 x 48.1		
Volume (cm ³)	74.89		
Outcome	MISSING: 14/5/95		

SITE: A

NEST: 32

	Egg A 60	Egg B 61	Egg C 62
Date first recorded in nest	9-5-95	12-5-95	14-5-95
Date of previous nest visit	—	12-5-95	12-5-95
Assumed Laying Date	—	Day 10.5	Day 13
Dimensions (mm)	68.6 x 46.6	69.9 x 48.0	67.1 x 46.9
Volume (cm ³)	70.91	76.66	70.25
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8-5-95	8-6-95	8-6-95
Date of previous nest visit	5-6-95	5-6-95	5-6-95
Other Information	Pipping: 5/6/95	Pipping: 5/6/95	Just hatched: 8/6/95
Assumed Hatch Date	Day 37	Day 37	Day 39

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	2	17	28	85	← Dead →				Too Young To Measure			
12-6	6	22	34	165					MISSING			
13-6	—	—	—	—					MISSING			
16-6	10	28	45	265					MISSING			
21-6	15	31	49	440								
26-6	20	36	60	545								
1-7	25	43	61	720								
6-7	← MISSING →											
11-7												
16-7												
21-7												

SITE: A

NEST: 33

	Egg A 63	Egg B 64	Egg C 65
Date first recorded in nest	9/5/95	12/5/95	17/5/95
Date of previous nest visit	—	9/5/95	14/5/95
Assumed Laying Date	—	Day 10.5	Day 15.5
Dimensions (mm)	70.3 x 48.3	67.4 x 47.1	66.4 x 46.2
Volume (cm ³)	78.07	71.17	67.46
Outcome	← MISSING;	22-5-95	→

SITE: A

NEST: 34

	Egg A 66	Egg B	Egg C
Date first recorded in nest	12/5/95		
Date of previous nest visit	9/5/95		
Assumed Laying Date	Day 10.5		
Dimensions (mm)	62.7 x 46.7		
Volume (cm ³)	65.09		
Outcome	Missing; 19/5/95		

SITE: A

NEST: 36

	Egg A 69	Egg B 70	Egg C
Date first recorded in nest	9/5/95	12/5/95	/
Date of previous nest visit	—	9/5/95	
Assumed Laying Date	—	Day 10.5	
Dimensions (mm)	66.7 x 44.4	65.2 x 43.0	
Volume (cm ³)	62.59	57.38	
Outcome	Hatched	Hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	5/6/95	8/6/95	/
Date of previous nest visit	2/6/95	5/6/95	
Other Information	Egg cracking: 2/6/95	Egg cracking: 5/6/95	
Assumed Hatch Date	Day 34.5	Day 37.5	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6	1.5	15	23	45								
8-6	4.5	17	27	75	1.5	16	26	60				
12-6	8.5	21	33	140	5.5	20	31	100				
13-6	—	—	—	—	—	—	—	—				
16-6	12.5	24	42	220	← MISSING →							
21-6		MISSING			14.5	26	44	230				
26-6		MISSING			19.5	29	53	340				
1-7		MISSING			24.5	32	58	490				
6-7		↓			29.5	35.5	59	610				
11-7					← MISSING →							
16-7						↓						
21-7		↓				↓						

SITE: A

NEST: 37

	Egg A 71	Egg B 72	Egg C 73
Date first recorded in nest	9/5/95	12/5/95	14/5/95
Date of previous nest visit	—	9/5/95	12/5/95
Assumed Laying Date	—	Day 10.5	Day 13
Dimensions (mm)	65.5 x 49.3	62.9 x 48.2	61.3 x 48.2
Volume (cm ³)	75.78	69.56	67.79
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8/6/95	8/6/95	8/6/95
Date of previous nest visit	5/6/95	5/6/95	5/6/95
Other Information	Egg cracking: 5/6/95	Egg cracking: 5/6/95	—
Assumed Hatch Date	Day 37	Day 37	Day 37.5

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	2	17	28	80	2	17	29	85	1.5	15	25	60
12-6	6	21	36	150	6	23	34	120	5.5	20	30	85
13-6	—	—	—	—	—	—	—	—	—	—	—	—
16-6	10	27	47	240	10	25	40	195	← MISSING →			
21-6	15	30	51	410	← Dead →				← MISSING →			
26-6	20	35	63	505					← MISSING →			
1-7	25	41	64	670								
6-7	30	43	66	685								
11-7	← MISSING →											
16-7												
21-7												

SITE: A

NEST: 38

		Egg A 74	[REDACTED]	[REDACTED]
Date first recorded in nest		9/5/95		
Date of previous nest visit		—		
Assumed Laying Date		—		
Dimensions (mm)		70.5 x 47.5		
Volume (cm ³)		75.72		
Outcome		Hatched		

		Chick A	[REDACTED]	[REDACTED]
Date first recorded in nest		30/5/95		
Date of previous nest visit		28/5/95		
Other Information		—		
Assumed Hatch Date		Day 29		

Chick A					[REDACTED]	[REDACTED]
Date	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	[REDACTED]	[REDACTED]
28-5						
30-5	7	18	29	85		
2-6	4	21	33	135		
5-6	7	23	39	175		
8-6	10	26	44	270		
12-6	14	29	51	395		
13-6	—	—	—	—		
16-6	17	33	56	510		
21-6	22	36	60	665		
26-6	27	39	63	670		
1-7	← MISSING →					
6-7						
11-7						
16-7						
21-7						

SITE: A

NEST: 39

	Egg A 75	Egg B 76	██████████
Date first recorded in nest	12/5/95	14/5/95	/
Date of previous nest visit	9/5/95	12/5/95	
Assumed Laying Date	Day 10.5	Day 13	
Dimensions (mm)	67.7 x 44.8	65.7 x 45.1	
Volume (cm ³)	64.68	63.61	
Outcome	Hatched	Hatched	

	Chick A	Chick B	██████████
Date first recorded in nest	12/6/95	12/6/95	/
Date of previous nest visit	8/6/95	8/6/95	
Other Information	-	-	
Assumed Hatch Date	Day 41	Day 41	

Date	Chick A				Chick B				██████████			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	██████████	██████████	██████████	██████████
28-5												
30-5												
2-6												
5-6												
8-6												
12-6	2	15	28	65	2	15	24	50				
13-6	-	-	-	-	-	-	-	-				
16-6	6	16	30	85	6	18	26	75				
21-6	← MISSING →				11	22	33	150				
26-6	16	23	42	280	16	25	41	270				
1-7	21	26	47	330	21	30	52	330				
6-7	26	29	51	365	26	33	56	440				
11-7	← MISSING →				← MISSING →							
16-7	← MISSING →											
21-7	← MISSING →											

SITE: A

NEST: 40

	Egg A 77	Egg B 78	Egg C 79
Date first recorded in nest	9/5/95	12/5/95	14/5/95
Date of previous nest visit	—	9/5/95	12/5/95
Assumed Laying Date	—	Day 10.5	Day 13
Dimensions (mm)	65.9 x 47.8	66.6 x 46.9	65.0 x 45.0
Volume (cm ³)	71.67	69.73	62.65
Outcome	← MISSING: 25/5/95 → MISSING; 28/5/95		

SITE: A

NEST: 41

	Egg A 80	Egg B 81	Egg C
Date first recorded in nest	14/5/95	28/5/95	/
Date of previous nest visit	12/5/95	25/5/95	
Assumed Laying Date	Day 13	Day 26.5	
Dimensions (mm)	67.5 x 45.9	65.6 x 44.8	
Volume (cm ³)	67.69	62.67	
Outcome	Hatched	Never hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	12/6/95	/	/
Date of previous nest visit	8/6/95		
Other Information	—		
Assumed Hatch Date	Day 41		

Date	Chick A				Chick B				Chick C											
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)								
28-5					/	/	/	/	/	/	/	/								
30-5																				
2-6																				
5-6																				
8-6																				
12-6	2	18	28	50																
13-6	—	—	—	—																
16-6	6	19	28	65																
21-6	11	22	32	95																
26-6	← MISSING →												/	/	/	/	/	/	/	/
1-7	← MISSING →																			
6-7	← MISSING →																			
11-7																				
16-7																				
21-7																				

SITE: A

NEST: 43

	Egg A 84	Egg B 85	Egg C 86
Date first recorded in nest	9/5/95	12/5/95	14/5/95
Date of previous nest visit	—	9/5/95	12/5/95
Assumed Laying Date	—	Day 10.5	Day 13
Dimensions (mm)	65.0 x 46.7	61.7 x 46.6	61.9 x 43.8
Volume (cm ³)	67.48	63.78	56.53
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8/6/95	8/6/95	8/6/95
Date of previous nest visit	5/6/95	5/6/95	5/6/95
Other Information	Egg cracking: 5/6/95	—	—
Assumed Hatch Date	Day 37	Day 37.5	Day 37.5

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	2	16	25	60	1.5	17	26	55	1.5	15	23	45
12-6	6	21	31	120	5.5	21	31	85	5.5	18	24	50
13-6	—	—	—	—	—	—	—	—	—	—	—	—
16-6	← MISSING →				1.5	23	36	120	← Dead →			
21-6	15	27	44	340	14.5	27	43	190				
26-6	22	32	58	440	19.5	29	49	230				
1-7	25	34	59	475	24.5	33	49	300				
6-7	30	36	60	585	← Dead →							
11-7	← MISSING →											
16-7		↓										
21-7												

SITE: A

NEST: 45

	Egg A 88	Egg B 89	Egg C 90
Date first recorded in nest	9/5/95	12/5/95	17/5/95
Date of previous nest visit	—	9/5/95	14/5/95
Assumed Laying Date	—	Day 10.5	Day 15.5
Dimensions (mm)	62.5 x 44.8	63.4 x 44.0	64.7 x 42.9
Volume (cm ³)	59.71	58.43	56.68
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8/6/95	12/6/95	12/6/95
Date of previous nest visit	5/6/95	8/6/95	8/6/95
Other Information	Just hatched: 8/6/95	Egg cracking: 8/6/95	—
Assumed Hatch Date	Day 39	Day 40.5	Day 41

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	Too Young To Measure											
12-6	4	20	31	110	← Dead →				7	16	25	40
13-6	—	—	—	—						—	—	—
16-6	8	24	37	150					← Dead →			
21-6	13	28	47	310								
26-6	18	32	52	420								
1-7	3	35	57	545								
6-7	21	38	59	580								
11-7	← MISSING →											
16-7												
21-7												

SITE: A

NEST: 46

	Egg A 91	Egg B 92	Egg C 93
Date first recorded in nest	12/5/95	17/5/95	19/5/95
Date of previous nest visit	9/5/95	14/5/95	17/5/95
Assumed Laying Date	Day 10.5	Day 15.5	Day 18
Dimensions (mm)	69.2 x 45.0	67.5 x 45.5	63.7 x 43.3
Volume (cm ³)	66.70	66.52	56.85
Outcome	Hatched	Hatched	Never hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	8/6/95	12/6/95	
Date of previous nest visit	5/6/95	8/6/95	
Other Information	Just hatched: 8/6/95	-	
Assumed Hatch Date	Day 39	Day 41	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6	Too Young To Measure											
12-6	4	17	31	100	2	17	29	75				
13-6	-	-	-	-	-	-	-	-				
16-6	8	21	39	165	6	20	33	125				
21-6	13	24	41	265	11	24	38	195				
26-6	18	31	53	415	16	27	51	340				
1-7	23	35	59	515	21	31	53	425				
6-7	28	37	60	565	26	36	55	440				
11-7	← MISSING →				← MISSING →							
16-7	38	42	61	715	36	40	62	665				
21-7	← MISSING →				41	43	62	675				

SITE:	A
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NEST:	47
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No eggs laid during study period

SITE: A

NEST: 48

	Egg A 94	Egg B 95	Egg C 96
Date first recorded in nest	12/5/95	14/5/95	17/5/95
Date of previous nest visit	9/5/95	12/5/95	14/5/95
Assumed Laying Date	Day 10.5	Day 13	Day 15.5
Dimensions (mm)	69.2 x 48.2	65.1 x 48.2	66.6 x 47.7
Volume (cm ³)	76.52	71.99	72.13
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	12/6/95	12/6/95	12/6/95
Date of previous nest visit	8/6/95	8/6/95	8/6/95
Other Information	← Eggs Cracking: 8/6/95 →		
Assumed Hatch Date	Day 40	Day 40	Day 40

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6												
12-6	3	18	31	100	3	18	28	75	3	18	26	75
13-6	—	—	—	—	—	—	—	—	—	—	—	—
16-6	7	23	38	165	7	21	32	115	7	21	32	115
21-6	12	26	43	280	12	22	39	195	← MISSING →			
26-6	17	31	56	405	17	28	53	310	← MISSING →			
1-7	22	40	60	495	22	32	53	380	← MISSING →			
6-7	27	41	61	570	27	34	56	490				
11-7	← MISSING →				← MISSING →							
16-7												
21-7												

SITE:	A
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NEST:	49
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No Eggs laid during study period.

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SITE: A

NEST: 50

	Egg A 97	Egg B 98	Egg C 99
Date first recorded in nest	12/5/95	14/5/95	17/5/95
Date of previous nest visit	9/5/95	12/5/95	14/5/95
Assumed Laying Date	Day 10.5	Day 13	Day 15.5
Dimensions (mm)	64.5 x 47.3	63.3 x 48.1	61.0 x 45.4
Volume (cm ³)	68.69	69.71	59.85
Outcome	Hatched	Hatched	Missing; 2/6/95

	Chick A	Chick B	Chick C
Date first recorded in nest	12/6/95	12/6/95	
Date of previous nest visit	8/6/95	8/6/95	
Other Information	Pipping: 8/6/95	—	
Assumed Hatch Date	Day 40	Day 41	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
30-5												
2-6												
5-6												
8-6												
12-6	3	17	28	65	2	16	24	50				
13-6	—	—	—	—	—	—	—	—				
16-6	7	20	34	90	6	18	29	60				
21-6	12	25	47	185	11	21	30	95				
26-6	17	31	50	300	← Dead →							
1-7	22	34	54	395								
6-7	← MISSING →											
11-7	← MISSING →											
16-7	27	40	64	720								
21-7	← MISSING →											

SITE: **A**

NEST: **51**

	Egg A 100	Egg B 101	Egg C
Date first recorded in nest	12-5-95	14-5-95	/
Date of previous nest visit	—	12-5-95	
Assumed Laying Date	—	Day 13	
Dimensions (mm)	68.5 x 46.9	69.5 x 46.4	
Volume (cm ³)	71.72	71.22	
Outcome	Never Hatched	Hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	8-6-95	13-6-95	/
Date of previous nest visit	5-6-95	8-6-95	
Other Information	Never Hatched	Pipping: 8-6-95	
Assumed Hatch Date	Day 39	Day 40	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6					4	20	30	85				
18-6					9	23	41	185				
23-6					← MISSING →							
28-6					← MISSING →							
3-7					24	37	59	560				
8-7					← MISSING →							
13-7												
18-7												

SITE: A

NEST: 52

	Egg A 102	Egg B 103	Egg C 104
Date first recorded in nest	14-5-95	17-5-95	19-5-95
Date of previous nest visit	12-5-95	14-5-95	17-5-95
Assumed Laying Date	Day 13	Day 15.5	Day 18
Dimensions (mm)	69.5 x 48.7	67.4 x 49.0	66.4 x 47.2
Volume (cm ³)	78.46	77.03	70.41
Outcome	Hatched	Hatched	Never Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	13-5-95	13-5-95	/
Date of previous nest visit	8-5-95	8-5-95	
Other Information	-	Just hatched: 13-5-95	
Assumed Hatch Date	Day 41.5	Day 44	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6	2.5	19	30	80	Too Young To Measure							
18-6	1.5	24	36	180	← Dead →							
23-6	12.5	30	51	330								
28-6	11.5	34	56	470								
3-7	22.5	38	59	600								
8-7	← MISSING →											
13-7		↓										
18-7		↓										

SITE: A

NEST: 53

	Egg A 105	Egg B 106	
Date first recorded in nest	28-5-95	31-5-95	/
Date of previous nest visit	25-5-95	28-5-95	
Assumed Laying Date	Day 26.5	Day 29.5	
Dimensions (mm)	63.5 x 46.2	65.2 x 46.1	
Volume (cm ³)	64.52	65.96	
Outcome	← Never Hatched →		

SITE: A

NEST: 54

	Egg A 107	Egg B 108	Egg C 109
Date first recorded in nest	14-5-95	17-5-95	19-5-95
Date of previous nest visit	12-5-95	14-5-95	17-5-95
Assumed Laying Date	Day 13	Day 15.5	Day 18
Dimensions (mm)	64.7 x 48.3	63.2 x 47.8	63.4 x 46.8
Volume (cm ³)	71.85	68.74	66.10
Outcome	Hatched	Hatched	Never hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	13-6-95	13-6-95	/
Date of previous nest visit	8-6-95	8-6-95	
Other Information	-	Just hatched: 13-6-95	
Assumed Hatch Date	Day 41.5	Day 44	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6	2.5	17	29	60	Too Young To Measure							
18-6	7.5	20	35	110	5	18	28	80				
23-6	12.5	23	45	220	10	22	38	165				
28-6	17.5	26	49	285	15	25	45	255				
3-7	22.5	28	54	395	← MISSING →							
8-7	27.5	32	59	550	25	30	55	465				
13-7	32.5	36	61	660	30	34	58	605				
18-7	← MISSING →				← MISSING →							

SITE: A

NEST: 55

	Egg A 110	Egg B 111	Egg C
Date first recorded in nest	12-5-95	14-5-95	/
Date of previous nest visit	—	12-5-95	
Assumed Laying Date	—	Day 13	
Dimensions (mm)	64.8 x 46.5	59.4 x 46.2	
Volume (cm ³)	66.69	60.35	
Outcome	Hatched	Hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	8-6-95	13-6-95	/
Date of previous nest visit	5-6-95	8-6-95	
Other Information	—	Egg cracking: 8-6-95	
Assumed Hatch Date	Day 37.5	Day 40.5	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6	6.5	18	24	50								
13-6	6.5	19	26	70	8.5	17	27	75				
18-6	11.5	22	35	175	8.5	20	33	100				
23-6	16.5	24	39	275	8.5	24	37	145				
28-6	← MISSING →											
3-7	24.5	35	54	525	13.5	28	50	405				
8-7	← MISSING →				← MISSING →							
13-7												
18-7												

SITE: A

NEST: 56

	Egg A 112	Egg B 113	Egg C 114
Date first recorded in nest	12-5-95	14-5-95	17-5-95
Date of previous nest visit	—	12-5-95	14-5-95
Assumed Laying Date	—	Day 13	Day 15.5
Dimensions (mm)	71.2 x 47.3	69.2 x 47.7	69.6 x 45.9
Volume (cm ³)	75.82	74.95	69.80
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	13-6-95	13-6-95	13-6-95
Date of previous nest visit	8-6-95	8-6-95	8-6-95
Other Information	← PIPPING: 8-6-95 →		—
Assumed Hatch Date	Day 40	Day 40	Day 41.5

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6	4	19	31	90	4	19	30	75	2.5	17	26	55
18-6	9	25	35	145	← Dead →				7.5	20	29	80
23-6	← MISSING →								← MISSING →			
28-6	← MISSING →								← MISSING →			
3-7	← MISSING →								← MISSING →			
8-7												
13-7												
18-7												

SITE: A

NEST: 57

	Egg 115	Egg 116	Egg C 117
Date first recorded in nest	12/5/95	12/5/95	12/5/95
Date of previous nest visit	—	—	—
Assumed Laying Date	—	—	—
Dimensions (mm)	67.4 x 48.0	66.3 x 46.7	65.8 x 45.6
Volume (cm ³)	73.92	68.83	65.13
Outcome	Hatched	Hatched	Hatched

	Chick 115	Chick 116	Chick C
Date first recorded in nest	31/5/95	31/5/95	2/6/95
Date of previous nest visit	28/5/95	28/5/95	31/5/95
Other Information	—	—	Just hatched: 31/5/95
Assumed Hatch Date	Day 29.5	Day 29.5	Day 31

Date	Chick 115				Chick 116				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5	1.5	18	29	70	1.5	17	30	70	Too Young To Measure			
2-6	—	—	—	—	—	—	—	—	2	17	26	70
5-6	6.5	23	34	160	6.5	21	33	170	← Dead →			
8-6	11.5	26	43	225	11.5	25	43	245				
13-6	16.5	27	48	240	16.5	28	52	360				
18-6	← Dead →				← MISSING →							
23-6					26.5	34	59	600				
28-6					← MISSING →							
3-7												
8-7												
13-7												
18-7												

SITE: A

NEST: 58

	Egg A 118	Egg B 119	Egg C 120
Date first recorded in nest	12-5-95	12-5-95	12-5-95
Date of previous nest visit	-	-	-
Assumed Laying Date	-	-	-
Dimensions (mm)	65.7 x 47.9	67.6 x 48.0	63.6 x 44.9
Volume (cm ³)	71.75	74.14	61.03
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	2-6-95	5-6-95	5/6/95
Date of previous nest visit	31-5-95	2-6-95	2/6/95
Other Information	—	Egg cracking: 2-6-95	—
Assumed Hatch Date	Day 32	Day 34	Day 34.5

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6	1	17	26	55								
5-6	4	18	26	90	2	18	25	65	1.5	16	24	55
8-6	← MISSING →				5	20	33	100	4.5	18	29	55
13-6	12	25	39	210	10	23	38	210	9.5	20	30	85
18-6	17	30	52	310	MISSING				← Dead →			
23-6	← MISSING →				MISSING							
28-6	← MISSING →				← Dead →							
3-7	← MISSING →											
8-7		↓										
13-7												
18-7		↓										

SITE: A

NEST: 59

	Egg A 121	Egg B 122	Egg C 123
Date first recorded in nest	12-5-95	14-5-95	17-5-95
Date of previous nest visit	-	12-5-95	14-5-95
Assumed Laying Date	-	Day 13	Day 15.5
Dimensions (mm)	71.1 x 47.6	68.4 x 47.7	65.7 x 46.9
Volume (cm ³)	76.68	74.08	68.79
Outcome	Broken; 5-6-95	Hatched	Never hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	/	13-6-95	/
Date of previous nest visit	/	8-6-95	/
Other Information	/	-	/
Assumed Hatch Date	/	Day 41.5	/

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wgt (g)	Age (days)	Beak (mm)	Leg (mm)	Wgt (g)	Age (days)	Beak (mm)	Leg (mm)	Wgt (g)
28-5	/	/	/	/					/	/	/	/
31-5	/	/	/	/					/	/	/	/
2-6	/	/	/	/					/	/	/	/
5-6	/	/	/	/					/	/	/	/
8-6	/	/	/	/					/	/	/	/
13-6	/	/	/	/	2.5	17	30	55	/	/	/	/
18-6	/	/	/	/	7.5	20	37	90	/	/	/	/
23-6	/	/	/	/	12.5	24	40	205	/	/	/	/
28-6	/	/	/	/	17.5	MISSING			/	/	/	/
3-7	/	/	/	/	← Dead →				/	/	/	/
8-7	/	/	/	/					/	/	/	/
13-7	/	/	/	/					/	/	/	/
18-7	/	/	/	/					/	/	/	/

SITE: A

NEST: 60

	Egg 124	Egg 125	Egg C 126
Date first recorded in nest	12-5-95	12-5-95	12-5-95
Date of previous nest visit	-	-	-
Assumed Laying Date	-	-	-
Dimensions (mm)	65.7 x 47.9	63.6 x 46.2	61.4 x 46.5
Volume (cm ³)	71.75	64.62	63.19
Outcome	Hatched	Hatched	Hatched

	Chick 124	Chick 125	Chick C
Date first recorded in nest	31-5-95	31-5-95	2-6-95
Date of previous nest visit	28-5-95	28-5-95	31-5-95
Other Information	-	-	-
Assumed Hatch Date	Day 29.5	Day 29.5	Day 32

Date	Chick 124				Chick 125				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5	11.5	18	27	60	11.5	18	28	60				
2-6	-	-	-	-	-	-	-	-	1	17	25	55
5-6	6.5	22	34	155	6.5	23	33	150	4	18	30	90
8-6	9.5	27	44	225	9.5	27	43	220	7	22	38	155
13-6	← MISSING →				← MISSING →				12	25	39	220
18-6	19.5	34	57	460	19.5	33	56	420	17	29	42	290
23-6	← MISSING →				← MISSING →				← Dead →			
28-6	29.5	38	59	540	29.5	37	58	500				
3-7	← MISSING →				← MISSING →							
8-7		↓				↓						
13-7												
18-7		↓				↓						

SITE: A

NEST: 61

	Egg A 127	Egg B 128	Egg C 129
Date first recorded in nest	12-5-95	12-5-95	12-5-95
Date of previous nest visit	-	-	-
Assumed Laying Date	-	-	-
Dimensions (mm)	71.0 x 48.0	66.9 x 48.7	67.8 x 46.4
Volume (cm ³)	77.87	75.53	69.48
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	31-5-95	31-5-95	2-6-95
Date of previous nest visit	28-5-95	28-5-95	31-5-95
Other Information	Egg cracking: 28-5-95	-	-
Assumed Hatch Date	Day 29	Day 29.5	Day 32

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5	2	17	29	80	1.5	17	26	65				
2-6	-	-	-	-	-	-	-	-	1	16	27	55
5-6	7	20	34	165	6.5	21	31	115	4	17	28	65
8-6	10	27	44	250	9.5	25	40	215	7	22	33	125
13-6	15	31	52	390	14.5	29	51	345	12	25	39	185
18-6	20	35	57	460	19.5	33	55	415	← MISSING →			
23-6	← MISSING →				← MISSING →				← MISSING →			
28-6									← MISSING →			
3-7												
8-7												
13-7												
18-7												

SITE: A

NEST: 62

	Egg A 130	Egg B 131	Egg C 132
Date first recorded in nest	14-5-95	19-5-95	22-5-95
Date of previous nest visit	12-5-95	17-5-95	19-5-95
Assumed Laying Date	Day 13	Day 18	Day 20.5
Dimensions (mm)	68.9 x 48.1	66.3 x 47.9	63.0 x 46.8
Volume (cm ³)	75.88	72.41	65.68
Outcome	Hatched	Hatched	Never hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	13-6-95	18-6-95	/
Date of previous nest visit	8-6-95	13-6-95	
Other Information	-	-	
Assumed Hatch Date	Day 41.5	Day 46.5	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												/
31-5												
2-6												
5-6												
8-6												
13-6	2.5	16	28	60								
18-6	7.5	20	31	110	2.5	16	27	60				
23-6	← Dead →				7.5	23	41	135				
28-6					12.5	28	46	265				
3-7					17.5	31	56	350				
8-7					← MISSING →							
13-7												
18-7												

SITE: A

NEST: 64

	Egg A 136	Egg B 137	Egg C 138
Date first recorded in nest	19-5-95	22-5-95	25-5-95
Date of previous nest visit	17-5-95	19-5-95	22-5-95
Assumed Laying Date	Day 18	Day 20.5	Day 23.5
Dimensions (mm)	61.1 x 45.2	62.2 x 44.1	63.9 x 43.2
Volume (cm ³)	59.42	57.58	56.76
Outcome	Hatched	Hatched	Broken; 2-5-95

	Chick A	Chick B	Chick C
Date first recorded in nest	18-6-95	18-6-95	/
Date of previous nest visit	13-6-95	13-6-95	
Other Information	PIPPING: 13-6-95	-	
Assumed Hatch Date	Day 45	Day 46.5	

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6												
18-6	4	16	24	50	2.5	16	25	55				
23-6	← MISSING →				← MISSING →							
28-6	← Dead →				← MISSING →							
3-7					← Dead →							
8-7												
13-7												
18-7												

SITE: A

NEST: 65

	Egg A 139	Egg B 140	Chick A
Date first recorded in nest	12-5-95	12-5-95	/
Date of previous nest visit	-	-	
Assumed Laying Date	-	-	
Dimensions (mm)	70.9 x 47.7	66.4 x 48.1	
Volume (cm ³)	76.79	73.12	
Outcome	Hatched	Hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	28-5-95	31-5-95	/
Date of previous nest visit	25-5-95	28-5-95	
Other Information	-	PIPPING: 28-5-95	
Assumed Hatch Date	Day 26.5	Day 28.5	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5	1.5	17	26	60								
31-5	-	-	-	-	2.5	20	32	110				
2-6	6.5	23	37	165	4.5	22	35	155				
5-6	← MISSING →											
8-6	← MISSING →											
13-6	← MISSING →											
18-6				↓								
23-6												
28-6			60									
3-7												
8-7												
13-7												
18-7												

SITE: A

NEST: 66

	Egg A 141	Egg B 142	143
Date first recorded in nest	14-5-95	17-5-95	/
Date of previous nest visit	12-5-95	14-5-95	
Assumed Laying Date	Day 13	Day 15.5	
Dimensions (mm)	68.3 x 44.7	64.9 x 44.8	
Volume (cm ³)	64.96	62.00	
Outcome	← MISSING	31-5-95 →	

SITE: A

NEST: 67

	Egg A 143	Egg B 144	Egg C 145
Date first recorded in nest	12-5-95	12-5-95	14-5-95
Date of previous nest visit	—	—	12-5-95
Assumed Laying Date	—	—	Day 13
Dimensions (mm)	64.0 x 44.9	59.1 x 44.9	58.3 x 43.2
Volume (cm ³)	61.42	56.71	51.79
Outcome	Hatched	Hatched	Never hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	5/6/95	8/6/95	/
Date of previous nest visit	2/6/95	5/6/95	
Other Information	—	—	
Assumed Hatch Date	Day 34.5	Day 37.5	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6	1.5	16	21	50								
8-6	4.5	18	28	80	1.5	15	24	60				
13-6	9.5	24	30	130	6.5	18	27	80				
18-6	14.5	25	40	335	11.5	21	35	125				
23-6	← MISSING →				← MISSING →							
28-6	24.5	32	52	465	← MISSING →							
3-7	29.5	35	56	595	← MISSING →							
8-7	← MISSING →											
13-7		↓										
18-7		↓				↓						

SITE:	A
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NEST:	68
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No eggs laid during study period.

SITE: A

NEST: 69

	Egg ● 146	Egg ● 147	Egg C 148
Date first recorded in nest	17-5-95	17-5-95	19-5-95
Date of previous nest visit	—	—	17-5-95
Assumed Laying Date	—	—	Day 18
Dimensions (mm)	68.0 x 47.1	63.6 x 47.2	65.6 x 46.0
Volume (cm ³)	71.81	67.44	66.07
Outcome	Hatched	Hatched	Hatched

	Chick ●	Chick ●	Chick C
Date first recorded in nest	13-6-95	13-6-95	13-6-95
Date of previous nest visit	8-6-95	8-6-95	8-6-95
Other Information	—	—	Just hatched: 13-6-95
Assumed Hatch Date	Day 41.5	Day 41.5	Day 44

Date	Chick ●				Chick ●				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6	2.5	18	27	80	2.5	17	26	70	Too Young To Measure			
18-6	← Dead →				← MISSING →				MISSING			
23-6					12.5	24	45	295	MISSING			
28-6					17.5	28	55	350	MISSING			
3-7					22.5	31	57	390				
8-7					27.5	34	59	500				
13-7					← MISSING →							
18-7												

SITE:	A
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NEST:	70
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No eggs laid during study period.

SITE: A

NEST: 71



	Egg A 149	Egg B 150	Egg C
Date first recorded in nest	12-5-95	12-5-95	/
Date of previous nest visit	-	-	
Assumed Laying Date	-	-	
Dimensions (mm)	71.1 x 49.5	65.5 x 47.1	
Volume (cm ³)	82.93	69.17	
Outcome	Hatched	Hatched	

	Chick A	Chick B	Chick C
Date first recorded in nest	31-5-95	2-6-95	/
Date of previous nest visit	28-5-95	31-5-95	
Other Information	-	Just hatched: 2-6-95	
Assumed Hatch Date	Day 29.5	Day 33	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5	1.5	18	31	80								
2-6	-	-	-	-	Too Young To Measure							
5-6	2.5	22	35	180	3	18	25	70				
8-6	7.5	29	50	310	5	24	39	195				
13-6	14.5	34	57	505	← MISSING →							
18-6	← MISSING →				11.5	31	52	345				
23-6					← MISSING →							
28-6												
3-7												
8-7												
13-7												
18-7												

SITE: A

NEST: 72

	Egg  151	Egg  152	Egg C 153
Date first recorded in nest	12-5-95	12-5-95	14-5-95
Date of previous nest visit	-	-	12-5-95
Assumed Laying Date	-	-	Day 13
Dimensions (mm)	68.2 x 47.6	66.0 x 47.0	64.7 x 46.9
Volume (cm ³)	73.55	69.40	67.74
Outcome	← MISSING; 25/5/95 →		

SITE: A

NEST: 73

	Egg A 154	Egg B 155	Egg C 156
Date first recorded in nest	12-5-95	14-5-95	17-5-95
Date of previous nest visit	—	12-5-95	14-5-95
Assumed Laying Date	—	Day 13	Day 15.5
Dimensions (mm)	63.1 x 46.4	66.9 x 44.3	65.4 x 44.5
Volume (cm ³)	64.67	62.49	61.65
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	13-6-95	13-6-95	13-6-95
Date of previous nest visit	8-6-95	8-6-95	8-6-95
Other Information	Egg Cracking: 8-6-95	—	—
Assumed Hatch Date	Day 40.5	Day 41.5	Day 41.5

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6	3.5	17	24	65	2.5	18	27	60	1.5	17	24	50
18-6	←	MISSING				→						
23-6	←	MISSING				→						
28-6	←	MISSING				→						
3-7												
8-7												
13-7												
18-7												

SITE: A

NEST: 74

	Egg # 157	Egg # 158	egg #
Date first recorded in nest	12-5-95	12-5-95	/
Date of previous nest visit	-	-	
Assumed Laying Date	-	-	
Dimensions (mm)	65.1 x 48.3	60.5 x 46.2	
Volume (cm ³)	72.29	61.47	
Outcome	Never hatched	Died as hatching	

	Chick #	Chick #	Chick #
Date first recorded in nest	/	8/6/95	/
Date of previous nest visit		5/6/95	
Other Information		Dead as hatching: 8/6/95	
Assumed Hatch Date		Day 39	

Date	Chick #				Chick #				
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	
28-5	/								
31-5									
2-6									
5-6									
8-6		Dead as hatching							
13-6									
18-6									
23-6									
28-6									
3-7									
8-7									
13-7									
18-7									

SITE:	A
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NEST:	75
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No eggs laid during study period.

SITE: A

NEST: 76

	Egg A 159	Egg B 160	Egg C 161
Date first recorded in nest	17-5-95	22-5-95	25-5-95
Date of previous nest visit	14-5-95	19-5-95	22-5-95
Assumed Laying Date	Day 15.5	Day 20.5	Day 23.5
Dimensions (mm)	66.8 x 47.7	65.4 x 47.4	64.9 x 45.3
Volume (cm ³)	72.35	69.94	63.39
Outcome	Hatched	Hatched	Never hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	13-6-95	18-6-95	/
Date of previous nest visit	8-6-95	13-6-95	
Other Information	Just hatched: 13-6-95	Just hatched: 18-6-95	
Assumed Hatch Date	Day 44	Day 49	

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5									/			
31-5												
2-6												
5-6												
8-6												
13-6	Too Young To Measure											
18-6	5	22	47	130	Too Young To Measure							
23-6	10	28	49	270	← MISSING →							
28-6	15	32	52	425	← Dead →							
3-7	20	35	55	580								
8-7	← MISSING →											
13-7												
18-7												

SITE: A

NEST: 77

	Egg A 162	Egg B 163	Egg C 164
Date first recorded in nest	17-5-95	19-5-95	25-5-95
Date of previous nest visit	14-5-95	17-5-95	22-5-95
Assumed Laying Date	Day 15.5	Day 18	Day 23.5
Dimensions (mm)	70.1 x 47.2	65.9 x 46.3	65.1 x 45.6
Volume (cm ³)	74.34	67.24	64.43
Outcome	Hatched	Hatched	Broken: 28-5-95

	Chick A	Chick B	Chick C
Date first recorded in nest	18-6-95	18-6-95	/
Date of previous nest visit	13-6-95	13-6-95	
Other Information	-	-	
Assumed Hatch Date	Day 46.5	Day 46.5	

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6												
5-6												
8-6												
13-6												
18-6	2.5	17	27	65	2.5	15	28	65				
23-6	7.5	24	41	130	7.5	23	38	150				
28-6	12.5	29	46	250	12.5	27	44	305				
3-7	17.5	31	56	355	17.5	31	54	400				
8-7	22.5	33	58	495	← MISSING →							
13-7	27.5	35	60	605	← MISSING →							
18-7	← MISSING →											

SITE: A

NEST: 78

	Egg A 165	Egg B 166	Egg C 167
Date first recorded in nest	12-5-95	12-5-95	12-5-95
Date of previous nest visit	—	—	—
Assumed Laying Date	—	—	—
Dimensions (mm)	66.5 x 48.6	63.5 x 48.5	63.9 x 47.4
Volume (cm ³)	74.77	71.10	68.34
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	31-5-95	31-5-95	2-6-95
Date of previous nest visit	28-5-95	28-5-95	31-5-95
Other Information	Egg cracking: 28/5/95	—	—
Assumed Hatch Date	Day 29	Day 29.5	Day 32

Date	Chick B				Chick A				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5	2	18	26	70	1.5	17	28	65				
2-6	—	—	—	—	—	—	—	—	1	17	28	60
5-6	7	22	31	125	← MISSING →				4	17	28	65
8-6	10	26	41	225	9.5	23	38	160	← MISSING →			
13-6	15	30	51	400	14.5	27	45	300	← MISSING →			
18-6	20	33	55	510	19.5	30	50	465	← MISSING →			
23-6	25	36	58	600	24.5	33	54	555				
28-6	← MISSING →				← MISSING →							
3-7												
8-7												
13-7												
18-7												

SITE: A

NEST: 79

	Egg A 168	Egg B 169	Egg C 170
Date first recorded in nest	17-5-95	22-5-95	28-5-95
Date of previous nest visit	14-5-95	19-5-95	25-5-95
Assumed Laying Date	Day 15.5	Day 20.5	Day 26.5
Dimensions (mm)	62.3 x 46.4	64.6 x 45.0	67.5 x 47.2
Volume (cm ³)	63.85	62.27	71.58
Outcome	MISSING: 19/5/95	MISSING: 31/5/95	Broken; 31/5/95

SITE: A

NEST: 80

	Egg A 171	Egg B 172	Egg C 173
Date first recorded in nest	12-5-95	12-5-95	12-5-95
Date of previous nest visit	—	—	—
Assumed Laying Date	—	—	—
Dimensions (mm)	65.2 x 45.7	62.3 x 45.8	63.4 x 43.5
Volume (cm ³)	64.82	62.21	57.11
Outcome	Hatched	Hatched	Hatched

	Chick A	Chick B	Chick C
Date first recorded in nest	31-5-95	31-5-95	2-6-95
Date of previous nest visit	28-5-95	28-5-95	31-5-95
Other Information	Egg cracking: 28-5-95	—	—
Assumed Hatch Date	Day 29	Day 29.5	Day 32

Date	Chick A				Chick B				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5	2	17	30	70	1.5	17	28	60				
2-6	—	—	—	—	—	—	—	—	1	16	26	45
5-6	7	22	33	145	6.5	21	35	130	4	17	28	60
8-6	← MISSING →				9.5	27	45	250	7	19	32	110
13-6	15	31	51	410	14.5	29	52	340	12	23	38	190
18-6	20	33	55	520	19.5	33	56	490	← MISSING →			
23-6	← MISSING →				20	35	59	590	22	29	51	470
28-6					← MISSING →				← MISSING →			
3-7									← MISSING →			
8-7												
13-7												
18-7												

SITE: A

NEST: 81

	Egg A 174	 	
Date first recorded in nest	12/5/95		
Date of previous nest visit	-		
Assumed Laying Date	-		
Dimensions (mm)	64.1 x 49.4		
Volume (cm ³)	74.46		
Outcome	MISSING: 22/5/95		

SITE:	A
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NEST:	82
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No eggs laid during study period.

SITE: A

NEST: 84

	Egg ● 177	Egg ● 178	Egg C 179
Date first recorded in nest	12/5/95	12/5/95	12/5/95
Date of previous nest visit	—	—	—
Assumed Laying Date	—	—	—
Dimensions (mm)	69.6 x 47.0	66.2 x 46.5	67.6 x 45.7
Volume (cm ³)	73.18	68.14	67.20
Outcome	Hatched	Hatched	Hatched

	Chick ●	Chick ●	Chick C
Date first recorded in nest	31/5/95	31/5/95	2/6/95
Date of previous nest visit	28/5/95	28/5/95	31/6/95
Other Information	—	—	—
Assumed Hatch Date	Day 29.5	Day 29.5	Day 32

Date	Chick ●				Chick ●				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5	1.5	17	29	70	1.5	18	28	60				
2-6	—	—	—	—	—	—	—	—	1	17	28	50
5-6	5.5	22	33	170	← Dead →				4	17	28	80
8-6	7.5	26	45	235					7	21	34	120
13-6	14.5	33	52	355					12	25	38	180
18-6	19.5	36	55	510					17	30	41	290
23-6	← MISSING →								← MISSING →			
28-6									← MISSING →			
3-7									← MISSING →			
8-7												
13-7												
18-7												

SITE: A

NEST: 86

	Egg A 183	Egg B	Egg C
Date first recorded in nest	12-5-95		
Date of previous nest visit	—		
Assumed Laying Date	—		
Dimensions (mm)	66.0 x 45.3		
Volume (cm ³)	64.47		
Outcome	Hatched		

	Chick A	Chick B	Chick C
Date first recorded in nest	28-5-95		
Date of previous nest visit	25-5-95		
Other Information	Just hatched: 28-5-95		
Assumed Hatch Date	Day 28		

Chick A					Chick B	Chick C	
Date	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Beak (mm)	Leg (mm)	Wght (g)
28-5	Too Young To Measure						
31-5	← Dead →						
2-6							
5-6							
8-6							
13-6							
18-6							
23-6							
28-6							
3-7							
8-7							
13-7							
18-7							

SITE: A

NEST: 88

	Egg A 187		
Date first recorded in nest	12-5-95		
Date of previous nest visit	-		
Assumed Laying Date	-		
Dimensions (mm)	64.2 x 46.9		
Volume (cm ³)	67.22		
Outcome	Never Hatched.		

SITE: A

NEST: 89

	Egg ■ 188	Egg ■ 189	Egg C 190
Date first recorded in nest	12/5/95	12/5/95	12/5/95
Date of previous nest visit	—	—	—
Assumed Laying Date	—	—	—
Dimensions (mm)	72.1 x 47.2	70.5 x 47.1	68.0 x 46.5
Volume (cm ³)	76.46	74.45	69.99
Outcome	Hatched	Hatched	Hatched

	Chick ■	Chick ■	Chick C
Date first recorded in nest	2/6/95	2/6/95	5/6/95
Date of previous nest visit	31/5/95	31/5/95	2/6/95
Other Information	—	—	—
Assumed Hatch Date	Day 32	Day 32	Day 34.5

Date	Chick ■				Chick ■				Chick C			
	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)	Age (days)	Beak (mm)	Leg (mm)	Wght (g)
28-5												
31-5												
2-6	1	15	27	60	1	18	26	60				
5-6	4	17	29	80	4	18	26	75	1.5	15	22	50
8-6	7	22	35	145	7	21	33	115	4.5	17	28	85
13-6	12	26	38	225	12	26	41	230	← Dead →			
18-6	17	27	51	315	17	30	52	420				
23-6	← MISSING →											
28-6	27	36	55	520	27	37	57	635				
3-7	← MISSING →				← MISSING →							
8-7												
13-7												
18-7												

