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More information on the seabirds of Britain and Ireland can be accessed via
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Table 1 Response rates to tape playback of male calls by Manx Shearwaters.

<i>Colony and administrative area</i>	<i>Response rate (95% CLs)</i>	<i>Other colonies estimated using measured response rate</i>
Puffin, Kerry	0.44 (0.30–0.58)	Great Skellig, Scariff, Deenish
Inishtooskert, Kerry	0.32 (0.17–0.47)	Inishnabro, Inishvickillane, Great Blasket
Cruagh, Galway	0.55 (0.46–0.63)	High, Inishshark
Skomer, Dyfed	0.43 (not given)	Skokholm, Middleholm

Table 2 Numbers of Manx Shearwaters (AOS) at colonies in Britain and Ireland (1999–2002) compared to previous evidence of breeding given by Cramp et al. (1974) and Lloyd et al. (1991).

Administrative area or country	Colony	Method	Year	AOS	95% lower confidence limit	95% upper confidence limit	Cramp et al. 1974	Lloyd et al. 1991
Shetland	Horse of Burravoe	1, 2	1994	0				P
Shetland	Lamb Hoga, Fetlar	2, 6	2002	7	7	7	c.100 pairs	P
Shetland	Foula	1, 3	2001	0			P	P
Orkney	Enegars, Hoy	1, 2	2002	0			2 colonies: 1–9 pairs + 10–99 pairs	40–50 pairs
Western Isles	St Kilda: Hirta	3, 6, 7	1999	4,581	3,371	5,687	P	P
Western Isles	St Kilda: Dun	3, 7	1999	222			P	P
Western Isles	St Kilda: Soay	1, 3	2000	P			P	P
Western Isles	St Kilda: Boreray	1, 3	2000	P?			P	P
Lochaber	Canna	2,6	2001	2			1,000+ pairs	c.1,000 pairs
Lochaber	Muck			nc				P
Lochaber	Rum	2,7	2001	120,000	107,000	134,000	c.70,000 pairs	97,000–135,000 pairs (Wormwell 1976), c. 150,000 pairs (Thompson & Thompson 1980)
Lochaber	Eigg	8	1999	250	200 ¹	300 ²	10–99 pairs	70–100 pairs
Argyll and Bute	Treshnish Isles	3,6	2000	1,283			P	P
Argyll and Bute	Sanda	8	1999	200				50–100 pairs
Argyll and Bute	Inchmarnock, Bute	1	2002	1?				
Cunninghame	Pladda Island, Arran			nc				(dead bird found in a burrow 1979, also P 1981)
Kyle and Carrick	Ailsa Craig			?				
Devon	Lundy	4,6	2001	166			c.100 pairs	c.1,200 pairs
Isles of Scilly	Annet	4,6	2000	123			800–900 pairs	50–300 birds
Isles of Scilly	Shipman's Head, Bryher	4,6	2000	12				1977: 25–30 pairs
Isles of Scilly	St Agnes	4,6	2000	5				1977: 500 pairs, P (1983)
Isles of Scilly	Round Island	4,6	2000	34				P (1983: 24 AOB)
Isles of Scilly	Gugh	4,6	2000	22				
Isles of Scilly	St Helen's	4,6	2000	5				
Channel Islands	Little Sark	8	2000	5				10–20 AOB (1989)
Channel Islands	Jethou	8	2000	5				5–10 AOB (1989)
Isle of Man	Calf of Man	3,6	2001	34			'very small numbers'	P (1983: 32 AOB)
Dyfed	Skokholm	5,6	1998	46,200 ³			30,000–40,000 pairs	P
Dyfed	Skomer	5,6	1998	101,800	98,824	104,768	c.60,000 pairs	P (1981: 100,000 pairs)
Dyfed	Middleholm	5,6	1998	3,000 ³			100 pairs	2,000+ pairs (1983)
Dyfed	Cardigan Island	1	1999–2001	0				1980–84: 50 chicks introduced annually from Skomer. Deserted egg found in 1984. No subsequent breeding
Dyfed	Ramsey	3,6	1999	950	900 ¹	1,000 ²		165 pairs (1992)
Gwynedd	Bardsey	2,6	2001			16,183	c.2500 pairs	4000–5000 pairs
Gwynedd	Carmel Head			nc			P	1972–82: birds calling over land
Co. Antrim	Rathlin	1		0?			1000–9999	320 birds
Co. Down	Big Copeland; Copeland Islands	3,7	2002–03	1,766	1,651	2,007	c.300 pairs total on Copeland Islands	c.700 pairs total on Copeland Islands

<i>Administrative area or country</i>	<i>Colony</i>	<i>Method</i>	<i>Year</i>	<i>AOS</i>	<i>95% lower confidence limit</i>	<i>95% upper confidence limit</i>	<i>Cramp et al. 1974</i>	<i>Lloyd et al. 1991</i>
Co. Down	Lighthouse Island; Copeland Islands	3,7	2000	2,867	1,938	4,239	c.300 pairs total on Copeland Islands	c.300 pairs total on Copeland Islands
Co. Dublin	Lambay	3,6	2002	25			50–100	
Co. Dublin	Ireland's Eye			nc			<20 burrows	
Co. Dublin	Howth Head			nc			several	<15 birds (1984)
Co. Wicklow	Bray Head			nc			10 burrows	
Co. Wexford	Great Saltee	7	2002	150			c.20 pairs	P
Co. Wexford	Little Saltee	8	2001	100			c.30 pairs (1981)	
Co. Kerry	Scariff	5	2000	1,960	1,491	2,859	thought to breed (1001–10,000 pairs in 1973)	
Co. Kerry	Deenish	5	2000	351	267	512		11–100 pairs (1978)
Co. Kerry	Puffin Island	5	2000	6,329	4,815	9,235	10,000–99,999 pairs	1001–10,000 pairs
Co. Kerry	Great Skellig	5	2001	738	561	1,077	1000–9999 pairs	P
Co. Kerry	Great Blasket	5	2001	3,584	2,445	6,705	thought to breed	P? (1988)
Co. Kerry	Inishvickillane	5	2001	643	439	1,204	100–999 pairs	101–1000 pairs (1988)
Co. Kerry	Inishtearaght			nc			100–999 pairs	800–1200 pairs (1988)
Co. Kerry	Inishnabro	5	2000	5,611	3,828	10,498	100–999 pairs	101–1000 pairs (1988)
Co. Kerry	Inishtooskert	5	2000	9,696	6,616	18,142	100–999 pairs	1001–10,000 pairs (1988)
Co. Kerry	Illauntannig, Magharees	5	2001	0				
Co. Galway	Corrigeenagowlra			nc			(suspected in 1942)	
Co. Galway	Friar	5	2001	0		nc		
Co. Galway	High Island	5	2001	22	19	26	10–99 pairs	c.100 pairs
Co. Galway	Cruagh	5	2001	3,286	2,879	3,965	nc	
Co. Galway	Inishshark	5	2001	51	45	61	nc	
Co. Galway	Doonnahinneena, Inishbofin	1	2000	P		nc		
Co. Galway	Davillaun	5	2001	0			100–500 pairs	
Co. Galway	Slyne Head/Illeannamid	1	1995	P			c.15	c.80 pairs (1980)
Co. Mayo	Inishturk			nc			4 AOB	nc
Co. Mayo	Clare Island			nc			one bird calling	
Co. Mayo	Kid Island			nc			nc	
Co. Donegal	Aranmore Island			nc			nc	

Method code

- 1 Determined presence/absence
- 2 AOS determined by visual signs of burrow occupancy
- 3 AOS determined using tape playback of male call with adjustment factor 1.98
- 4 AOS determined using tape playback of male and female calls with adjustment factor 1.08
- 5 AOS determined using tape playback using site specific adjustment factor—see table 1.
- 6 Complete count of AOS / responses
- 7 Sample count of AOS / responses
- 8 Best guess

Notes

- ¹ Min
 - ² Max
 - ³ Confidence limits not given by Smith *et al.* (2001)
- P present and confirmed breeding
nc not counted (i.e. presence/absence not determined); also applies to sites that have historical evidence of breeding (i.e. prior to 1969) but were not visited during Operation Seafarer (see Cramp *et al.*, 1974)

Table 3 Numbers of breeding Manx Shearwaters (AOS) in Britain and Ireland 1999–2002.

<i>Administrative area or country</i>	<i>AOS</i>	<i>95% lower confidence limit</i>	<i>95% upper confidence limit</i>	<i>Colonies counted</i>	<i>Colonies not counted</i>
Shetland	7	7	7	1	
Western Isles—Comhairle nan eilean	4,803	3,593	5,909	1 ¹	
Lochaber	120,252	107,202	134,302	4	
Argyll & Bute	1,483	1,483	1,483	2	1 ²
Cunninghame	P?			0	1
Kyle & Carrick	P?			0	1
Scotland Total	126,545	112,285	141,701	8	3
Channel Islands	10	10	10	2	
Devon	166	166	166	1	
Isles of Scilly	201	201	201	6	
Isle of Man	34	34	34	1	
England, Channel Islands and Isle of Man Total	411	411	411	10	
Dyfed	151,950	148,924	154,968	4	
Gwynedd	16,183	16,183	16,183	1	
Wales Total	168,133	165,107	171,151	5	
Great Britain, Channel Islands and Isle of Man Total	295,089	277,803	313,263	23	3
Co. Down	4,633	3,589	6,246	2	
Co. Dublin	25	25	25	1	2 ³
Co. Wicklow	P?			0	1
Co. Wexford	250	250	250	2	
Co. Kerry	28,912	20,462	50,231	9	1 ⁴
Co. Galway	3,358	2,942	4,052	3	3 ⁵
Co. Mayo	P?			0	3
Co. Donegal	P?			0	1
All-Ireland Total	37,178	27,269	60,804	17	11
Britain and Ireland Total	332,267	305,072	374,067	40	14

Notes

¹ Four islands of St Kilda treated as one colony

² Possibly breeding on Inchmarnock

³ Possibly breeding on Ireland's Eye and at Howth Head

⁴ Present on Inishtearaght, but not counted

⁵ Present on Inishbofin and Slyne Head but not counted, possibly breeding on Corrigeenagowlra

Table 4 International context.

Country or region	Number of pairs		Year	Source		
	Min	Max				
Great Britain, Channel Isles & Isle of Man	280,000 ¹	310,000 ²	1999–2002	Seabird 2000		
All Ireland	27,000 ¹	61,000 ²	2000–2003	Seabird 2000		
Faeroe Islands	25,000	25,000	1995	BirdLife International/EBCC (2000)		
France	192	192	1999	Cadiou <i>et al.</i> (In press)		
Iceland	7,000	10,000	1990	Icelandic Institute of Natural History (2000)		
Portugal (Azores & Madeira)	500	900	1991–97	BirdLife International/EBCC (2000)		
Spain (Canaries)	200	500	1987	BirdLife International/EBCC (2000)		
Canada (Newfoundland)	1	5 ³		Robertson (2002)		
Biogeographic region	Min	Max	Min % GB	Max % GB	Min % Ireland	Max % Ireland
World*	340,000	410,000	68.3%	91.2%	6.6%	17.9%

* Stroud *et al.* (2001)

Notes

¹ 95% lower confidence limit

² 95% upper confidence limit

³ Robertson (2002) indicated less than 5

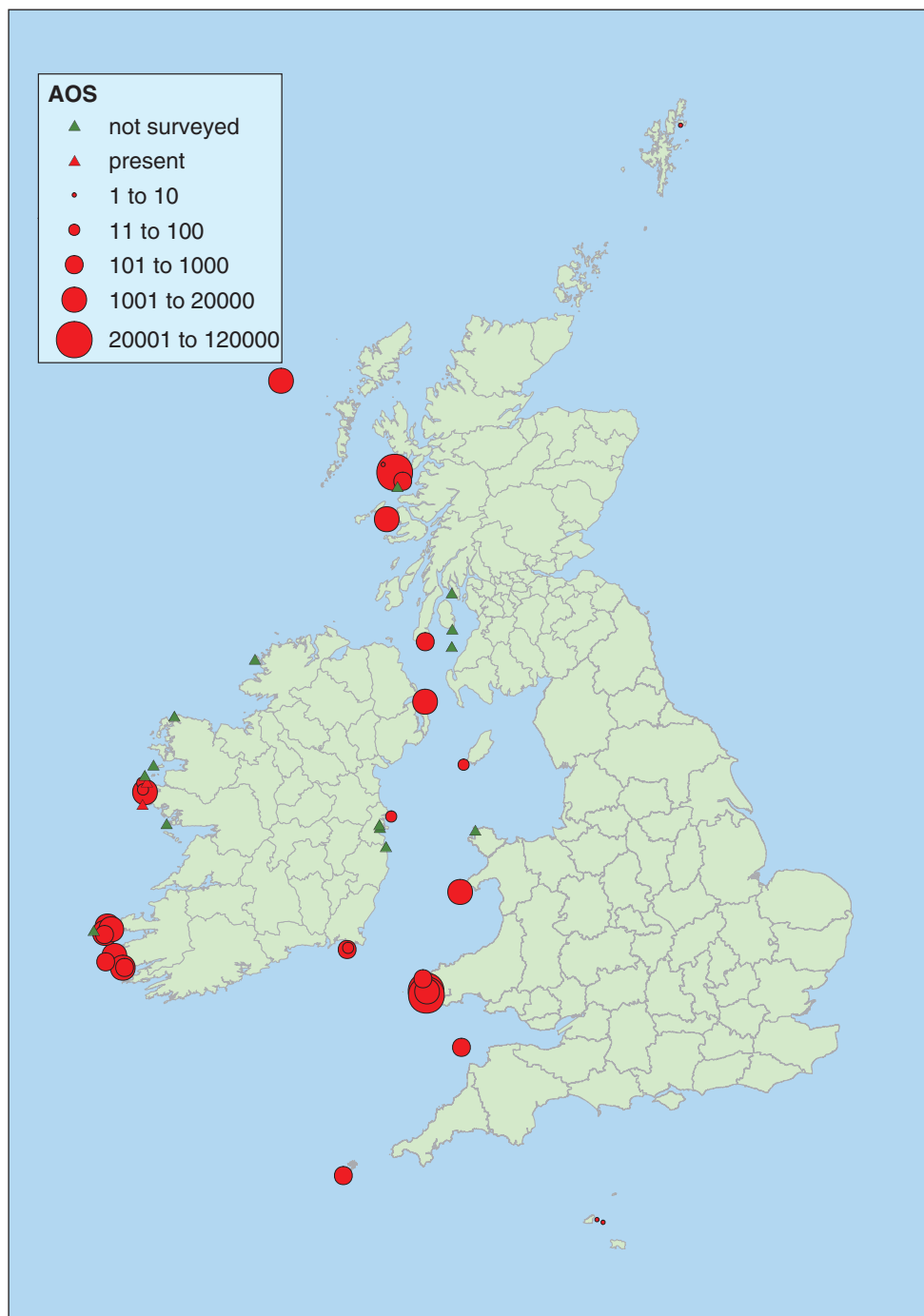


Figure 1 Abundance and distribution of breeding Manx Shearwaters in Britain and Ireland 1998–2002.