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Table 1 Response rates to tape playback of purr calls by European Storm-petrels.

Administrative area or country	Response rate (95% CLs)	Source
Yell Islands (Linga, Bigga, Samphrey, Copister, Brother), Shetland	0.43 (0.34–0.52)	Fowler (2001)
Mousa, Shetland	0.25 (0.23–0.27)	Ratcliffe <i>et al.</i> (1998e)
Auskerry, Orkney		
Grassland (rabbit burrows)	0.53 (0.39–0.66)	Mitchell & Williams (unpubl.)
Boulder beach	0.59 (0.41–0.77)	Mitchell & Williams (unpubl.)
Stone ruins	0.56 (0.36–0.76)	Mitchell & Williams (unpubl.)
North Rona, Western Isles	0.40 (0.36–0.44)	Murray <i>et al.</i> (in prep.)
Hirta, St Kilda, Western Isles	0.43 (0.21–0.58)	Mitchell <i>et al.</i> (2003)
Treshnish Isles, Argyll & Bute	0.37 (0.23–0.51)	Ratcliffe <i>et al.</i> (1998e)
Priest Island, west coast Ross & Cromarty		
Boulder beach	0.47 (0.40–0.54)	Mayhew <i>et al.</i> (2000)
Stone Wall	0.42 (0.38–0.45)	Mayhew <i>et al.</i> (2000)
Scree	0.48 (0.45–0.50)	Mayhew <i>et al.</i> (2000)
Heath/grassland	0.36 (0.27–0.45)	Mayhew <i>et al.</i> (2000)
Annet, Isles of Scilly	0.35 (0.25–0.47)	Ratcliffe <i>et al.</i> (1998e)
Puffin Island, Co. Kerry	0.35 (0.26–0.43) ¹	Newton & Mitchell (2001)
Inishglora, Co. Mayo	0.34 (0.25–0.42) ³	Newton & Mitchell (2001)
Inishvickillane, Co. Kerry	0.36 (0.34–0.39) ²	Newton & Mitchell (2001)

Notes

¹ Response rate on Puffin Island used to estimate AOSs on Great Skellig

² Response rate on Inishvickillane used to estimate AOSs on Inishtooskert

³ Response rate on Inishglora used to estimate AOSs on all other Irish islands surveyed using playback

Table 2 Numbers of European Storm-petrels (AOS) at sites surveyed 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	Site	Method	Year	AOS ³	95% lower confidence limit	95% upper confidence limit	Cramp et al. 1974 ¹	Lloyd et al. 1991 ²
Shetland	Colsay, SW Mainland	1	2000	2			nc	
Shetland	Eynhallow	1	2000	0				15 calling birds in one group
Shetland	Fair Isle	1	2002	P			10–99 pairs	>5 pairs
Shetland	Foula	1	2002	P (suspected)			101–999 pairs	P (1988)
Shetland	Isbister Holm, Whalsay	1	2000	1				
Shetland	Lamb Hoga, Fetlar	1	2002	P			>16 pairs	P
Shetland	Mousa	2,5	1996	6,800	4,800	8,800	P	P (possibly >1000 pairs in 1983)
Shetland	Noss	1	2002	0			P	regular finds of birds killed by cats
Shetland	Papa Stour			nc			P (suspected)	
Shetland	Scalloway Islands:							
	Black Skerry	1	2000	0				
	Easter Score Holm	1	2000	0				
	Flotta	1	2000	0				
	Fore Holm	2,4	2000	75				
	Green Holm	1	2000	0				
	Greena	1	2000	0				
	Hildasay	1	2000	0				
	Hoggs of Hoy	1	2000	0			10–99 pairs	
	Holm of Burwick	1	2000	0				
	Holm of Maywick	1	2000	0				
	Hoy	1	2000	0			10–99 pairs	
	Junk			nc			10–99 pairs	
	Kirk Holm	1	2000	0				
	Langa	1	2000	0				
	Linga	1	2000	0				
	Little Harva	2,4	2000	5				
	Little Harva	1	2000	0				
	Merry Holm	1	2000	0				
	North Cheynes	1	2000	0				
	North Harva	1	2000	0				
	Oxna	1	2000	0				
	Papa	1	2000	0				
	Sanda Little	1	2000	0				
	Sanda Stour	2,4	2000	15				
	South Cheynes	1	2000	0				
	South Harva	1	2000	0				
	Spoose Holm	1	2000	0				
	West of Hoggs	1	2000	0				
Shetland	Whalsay, East Skerries:	1	2000	2				
	East Linga							
	Mista/Mooa	1	2000	2				
	North Benelip	1	2000	1				
Shetland	Yell:							
	Bigga	2,4	1999–2001	46	44	48	P (suspected)	<50 pairs
	Brother	2,4	1999–2001	101	96	106		5 pairs
	Copister Broch	2,4	1999–2001	107	102	112		150–200 pairs
	Daacy	2,4	1999–2001	9			10–99 pairs	P (suspected 1982–83)
	Fish Holm	1	1999	0				
	Gloup Holm	2,4	1999–2001	23				
	Gruney	2,4	1999–2001	12				
	Haaf Gruney	2,4	1999–2001	9			10–99 pairs	P (1982–83)
	Hascosay	1	1999	0			P	P (1983)
	Holm of Heogaland	1	1999	0				

<i>Administrative area or country</i>	<i>Site</i>	<i>Method</i>	<i>Year</i>	<i>AOS³</i>	<i>95% lower confidence limit</i>	<i>95% upper confidence limit</i>	<i>Cramp et al. 1974¹</i>	<i>Lloyd et al. 1991²</i>
Shetland	Yell:							
	Holm of Westsawdwick	2,4	1999–2001	5				
	Kay Holm	2,4	1999–2001	92	87	97		
	Lamba	2,4	1999–2001	14				
	Linga (HU5598)	2,4	1999–2001	59	56	62	>2 pairs	adult found dead in burrow
	Linga (HU4673)	1	2001	0				
	Little Holm	1	1999	0				
	Little Roe	1	2000	0				
	Lunna Holm	1	2001	0				
	Muckle Holm	1	1999	0				
	Orfasay	2,4	1999–2001	5				
	Samphrey	2,4	1999–2001	113	108	119	P (suspected)	<50 pairs
	Sinna Skerry	1	1999	0				
	Sligga Skerry	1	2000	0				
	Sound Gruney	1	1999	0			P (suspected)	P (suspected 1982–83)
	Sweinna Stack	1	1999	0				
	Tinga Skerry	1	1999	0				
	Urie Lingey	2,4	1999–2001	5			10–99 pairs	P (suspected 1982–83)
	Uyea	1	2000	0			nc	
	Uynarey	1	1999	0				
	Wedder Holm	1	2000	0				
	Wether Holm	1	1999	0			nc	
Orkney	Auskerry	2,5	2001	994	372	3,196	150 pairs	P
Orkney	Copinsay	1	2001	0				
Orkney	Copinsay: Black Holm	1	2000	0				
Orkney	Copinsay: Ward Holm	1	2000	0				
Orkney	Corn Holm	3,4	2000	2	2	3		
Orkney	Faray	3,4	2000	21	16	28		
Orkney	Holm of Faray	3,4	2000	38	29	50	nc	
Orkney	Holm of Huip	1	2000	0				
Orkney	Holm Of Papa	3,4	2000	85	64	113		40 pairs
Orkney	Holms of Spurness	1	2000	0				
Orkney	Hunda	1	2001	0				
Orkney	Kili Holm	1	2000	0				
Orkney	Linga Holm	3,4	2000	2	2	3		
Orkney	Little Green Holm	3,4	2000	31	23	41		
Orkney	Little Linga	1	2000	0				
Orkney	Muckle Green Holm	3,4	2000	12	9	16	P (suspected)	
Orkney	Muckle Skerry			nc			P	
Orkney	Pentland Skerries	3,4	2000	102	77	134	nc	>2 AOB
Orkney	Red Holm	1	2000	0				
Orkney	Rusk Holm	3,4	2000	135	102	178	30 pairs	P
Orkney	Skea Skerries			nc			10–99 pairs	
Orkney	Sule Skerry	2,4	2001	309	309	309	P	1,000–10,000 pairs
Orkney	Switha	3,4	2000	7	5	9	P (suspected)	>4 AOS
Orkney	Swona	3,4	2000	130	98	172		
Orkney	Wart Holm	3,4	2000	2	2	3	10–99 pairs	
Argyll & Bute	Sanda	6	1999	200				50–100 pairs
Argyll & Bute	Soa	3,4	1999	3				
Argyll & Bute	Staffa	3,4	1999	5				
Argyll & Bute	Treshnish Isles	2,5	1996	5,040			P (suspected)	
Lochaber	Canna	1	2001	0			P (suspected)	
Skye & Lochalsh	Ascrib Islands			nc			nc	
Ross & Cromarty	Longa (Loch Gairloch)			nc			P	

Table 2 continued

<i>Administrative area or country</i>	<i>Site</i>	<i>Method</i>	<i>Year</i>	<i>AOS³</i>	<i>95% lower confidence limit</i>	<i>95% upper confidence limit</i>	<i>Cramp et al. 1974¹</i>	<i>Lloyd et al. 1991²</i>
Ross & Cromarty	Summer Isles: Bottle Island	3,4	2001	33	25	44		
	Carn nan Sgeir	3,4	2001	2	2	3		
	Eilean Dubh	3,4	2001	31	23	41		
	Preist Island	2,5	1999	4,400	3,300	6,100	P	
Sutherland	Edrachillis Bay: Calbha Beag	1	2001	0				
	Eilean na Bearachd	1	2001	0				
	Eilean na Rainich	1	2001	0				
	Meal Beag	1	2001	0				
Sutherland	Eilean Hoan	3,4	1995	54	41	72		
Sutherland	Eilean Isal	3,4	1995	99	75	131		
Sutherland	Eilean nan Ron	3,4	1995	288	218	381	P	P (suspected)
Sutherland	Faraid Head			nc			P (suspected)	
Sutherland	Island Roan			nc			P	
Sutherland	Meall Mor			nc				P
Sutherland	Rabbit Island	3,4	1995	7	5	9		
Caithness	Stroma			nc			P	
Western Isles	Berneray			nc				P (1985)
Western Isles	Boreray, North	1	2001	0			P (suspected)	
	Uist							
Western Isles	Campay, Loch	1	2001	0				
	Roag							
Western Isles	Coppay	1	2001	0				P (1988)
Western Isles	Flannan Isles: Eilean a' Ghobha	1	2001	0				
	Eilean Mor	3,4	2001	7	5	9	nc	P (1988)
	Eilean Tighe	1	2001	0				
	Roareim	1	2001	0				
	Sgeir Toman	1	2001	0				
	Soray	1	2001	0				
Western Isles	North Rona	2,4	2001	368	335	413	P	P
Western Isles	Old Hill	1	2001	0				
Western Isles	Shiants			nc			P (suspected)	
Western Isles	Shillay	3,4	2001	328	298	368	P (suspected)	
Western Isles	St Kilda: Boreray	2,4	1999–2000	84	62	171	P	P
Western Isles	St Kilda: Dun	1	2000	0			P	P
Western Isles	St Kilda: Hirta	2,4	1999–2000	508	376	1,000	P	P
Western Isles	St Kilda: Soay	2,4	1999–2000	529	387	1,071	P	P
Western Isles	Sule Sgeir	2,4	2001	9			P	P
Channel Islands	Burhou (Guernsey)	3,4	2002	60	49	83	1000–9999 pairs	<100 pairs
Channel Islands	Godin			nc			P (suspected)	
Channel Islands	Grand Amfroque (Herm)			nc			nc	
Channel Islands	Great Casquet			nc			nc	
Channel Islands	Icho Tower Reef			nc			1–9 pairs	
Channel Islands	Les Etacs (Alderney)			nc			nc	
Channel Islands	L'Etac de Serk			nc			nc	P (several AOS)
Cornwall	Carter's Rock			nc			nc	
Cornwall	Gull Rock, Falmouth			nc			nc	

<i>Administrative area or country</i>	<i>Site</i>	<i>Method</i>	<i>Year</i>	<i>AOS³</i>	<i>95% lower confidence limit</i>	<i>95% upper confidence limit</i>	<i>Cramp et al. 1974¹</i>	<i>Lloyd et al. 1991²</i>
Cornwall	Gulland Rock			nc			nc	
Devon	Lundy	1	2001	0				
Devon	Thatcher Rock			nc			nc	
Isles of Scilly	Annet	2,4	2000	938	797	1,079	1000–9999 pairs	>500 pairs
Isles of Scilly	Castle Bryher	2,4	2000	17				
Isles of Scilly	Daymark, St Martin's	1	2000	0			nc	
Isles of Scilly	Gorregan	2,4	2000	49			1–9 pairs	P (1974, 1983)
Isles of Scilly	Great Crebawethan	1	2000	0				P (1974)
Isles of Scilly	Great Ganilly	1	2000	0				
Isles of Scilly	Gugh	1	2000	0			nc	50 pairs (1974)
Isles of Scilly	Gweal	1	2000	0				
Isles of Scilly	Illiswilgig	2,4	2000	3				
Isles of Scilly	Innisvoulis	1	2000	0				
Isles of Scilly	Maiden Bower	1	2000	0				
Isles of Scilly	Melledgan	2,4	2000	140			nc	P (1974)
Isles of Scilly	Men-a-vaur	2,4	2000	20			nc	
Isles of Scilly	Menawethan	1	2000	0				
Isles of Scilly	Mincarlo	2,4	2000	17				P (1977)
Isles of Scilly	Norwethal	1	2000	0				
Isles of Scilly	Nournour	1	2000	0				
Isles of Scilly	Puffin Island	1	2000	0				
Isles of Scilly	Rosevean	2,4	2000	37			nc	P (1974, 1983)
Isles of Scilly	Rosevear	2,4	2000	57			nc	P (1974, 1983)
Isles of Scilly	Round Island	2,4	2000	183			nc	P
Isles of Scilly	Samson	1	2000	0				
Isles of Scilly	Scilly Rock	2,4	2000	14			nc	
Isles of Scilly	Seal Rock	1	2000	0				
Isles of Scilly	St Agnes	1	2000	0				50 pairs (1974)
Isles of Scilly	St Helen's	1	2000	0				
Isles of Scilly	Tean	1	2000	0				
Isles of Scilly	White Island, St Martin's	1	2000	0				
Isle of Man	Calf of Man			nc				>1 AOS
Dyfed	Careg Rhoson	2,4	1999	51				
Dyfed	Middleholm			nc			1–9 pairs	P
Dyfed	North Bishop	2,4	1999	57				
Dyfed	Ramsey	2,4	1995	102				
Dyfed	Skokholm	2,5	2001	2,450	2,300	2,600	5000–7000 pairs	P
Dyfed	Skomer	2,4	2000	110			10–1000 pairs	500 pairs
Gwynedd	Bardsey (Ynys Enlli)	2,4	2002	35			P	P (1984)
Co. Cork	Bull and Cow Rocks			nc (3500)			1000–9999	P
Co. Cork	Cape Clear Island			nc			P (suspected)	P (suspected)
Co. Cork	Fastnet Rock			nc			P	
Co. Kerry	Beginish	2,5	2000	450			10–99 pairs	P
Co. Kerry	Deenish			nc (700)				400–1000 (1991)
Co. Kerry	Great Blasket			nc			P	
Co. Kerry	Great Skellig	2,5	2000, 2002	9,994	8,135	13,454	1000–9999 pairs	P
Co. Kerry	Illaunboy			nc			nc	
Co. Kerry	Inishnabro			nc (3000)			100–999 pairs	1000–5000 pairs (1988)
Co. Kerry	Inishtearaght			nc (15,000)			10,000–99,999	10,000–20,000 pairs (1988)
Co. Kerry	Inishtooskert	2,5	2000	27,297	25,197	28,903	1000–9999 pairs	5000–20,000 pairs (1988)
Co. Kerry	Inishvickillane	2,5	2000	6,394	5,903	6,771	10,000–99,999 pairs	10,001–100,000 pairs (1988)

Table 2 continued

<i>Administrative area or country</i>	<i>Site</i>	<i>Method</i>	<i>Year</i>	<i>AOS³</i>	<i>95% lower confidence limit</i>	<i>95% upper confidence limit</i>	<i>Cramp et al. 1974¹</i>	<i>Lloyd et al. 1991²</i>
Co. Kerry	Magharee Islands			nc (55)			10–99 pairs	P
Co. Kerry	Puffin Island	2,5	2000	5,177	4,214	6,969	1000–9999 pairs	P (1988)
Co. Kerry	Scariff			nc (5500)	1,000	10,000	1000–9999	
Co. Clare	Mattle Island			nc				P (1984)
Co. Clare	Mutton Island			nc			P (1960's)	P (1984)
Co. Galway	Brannock Islands			nc			P (suspected)	
Co. Galway	Corrigeenagowla			nc			nc	
Co. Galway	High Island	4	1999	60	53	70		c.1000 pairs
Co. Galway	Illaunamid, Slyne Head			nc (50)				c.50 pairs (1980)
Co. Galway	Inishark			nc (5100)			P (suspected)	200–10,000 (1991)
Co. Galway	Inishbofin	1	2000	nc (100)			few pairs (1950s–60s)	probably <100 pairs
Co. Mayo	Bills Rocks	6	2001	500				P (1983), possibly >1000 pairs
Co. Mayo	Black Rock	2,5	2001	171	138	232	1–9 pairs	P
Co. Mayo	Caher			nc			P	
Co. Mayo	Carrickawilt			nc			nc	
Co. Mayo	Clare Island			nc			P (suspected)	
Co. Mayo	Danish Cellar	6	2001	5				
Co. Mayo	Duvillaun Beg	2,5	2001	950	769	1,292	P (1966)	P
Co. Mayo	Duvillaun More			nc			nc	
Co. Mayo	Illaunmaster			nc (8625)				7500–10,000 pairs (1980)
Co. Mayo	Inishdalla			nc			nc	
Co. Mayo	Inishglora	2,5	2001	1,788	1,448	2,432		10,000+ pairs (1979)
Co. Mayo	Inishkea North	2,5	2001	59	48	80		
Co. Mayo	Inishkea South	1	2001	0				
Co. Mayo	Inishkeeragh	2,5	2001	1,635	1,324	2,224		P
Co. Mayo	Inishturk			nc			P (suspected)	
Co. Mayo	Kid Island			nc			nc	
Co. Mayo	Pig Island	2,5	2001	68	55	92		
Co. Mayo	Stags of Broadhaven	2,5	2001	1,912	1,548	2,600	P(1960's)	P
Co. Sligo	Inishmurray			nc				P (1986)
Co. Donegal	Inishbeg			nc			P (suspected)	
Co. Donegal	Inishduff			nc (225)			P (suspected)	200–250 pairs
Co. Donegal	Inishkeeragh	1	2001	0			P (suspected)	
Co. Donegal	Islands in Gweedore Bay			nc			P (suspected)	
Co. Donegal	Rathlin O'Birne	2,5	2001	159	129	216	100–999 pairs	500–1000 pairs
Co. Donegal	Roaninish	2,5	2001	491	398	668	250–300 pairs (1953–57)	1001–10,000
Co. Donegal	Torglass			nc			nc	
Co. Donegal	Tory Island			nc (50)			P	probably <100 pairs
Co. Donegal	Umfin			nc			nc	

Method code

- 1 determined presence/absence
- 2 AOS determined using tape playback of male purr call using site specific adjustment factor – see table 1.
- 3 AOS determined using tape playback of male purr call using median British adjustment factor of 2.4 (see text).
- 4 complete count of responses
- 5 sample count of responses
- 6 best guess

Notes

- ¹ records are from 1969–70 unless otherwise stated
- ² records are from 1985–87 unless otherwise stated
- ³ values in parentheses are the mid-points of estimates from previous surveys of colonies that were not surveyed during Seabird 2000
- 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)
- P present breeding

Table 3 Numbers of breeding European Storm-petrels (AOS) in Britain and Ireland 1999–2002.

<i>Administrative area or country</i>	<i>Surveyed AOS</i>	<i>95% lower confidence limit</i>	<i>95% upper confidence limit</i>	<i>Number of colonies surveyed</i>
Shetland	7,503	5,478	9,529	26
Orkney	1,870	1,110	4,255	14
Northwest coast Sutherland	449	339	594	4
West coast Ross & Cromarty	4,466	3,350	6,188	4
Argyll & Bute	5,248	5,248	5,248	4
Western Isles–Comhairle nan eilean	1,833	1,472	3,041	7
Scotland Total	21,370	16,997	28,855	59
Channel Islands	60	49	83	1
Isles of Scilly	1,475	1,334	1,616	11
England and the Channel Islands Total	1,535	1,383	1,699	12
Gwynedd	35	35	35	1
Dyfed	2,770	2,620	2,920	5
Wales total	2,805	2,663	2,963	6
Great Britain and the Channel Isles Total	25,710	21,043	33,517	77
Co. Kerry	49,313	43,899	56,097	5
Co. Galway	60	53	70	1
Co. Mayo	7,087	5,835	9,457	9
Co. Donegal	650	526	884	3
Republic of Ireland Total	57,110	50,313	66,508	18
Britain and Ireland Total	82,820	71,356	100,025	95
	<i>Estimated AOS</i>	<i>Min</i>	<i>Max</i>	<i>Estimated number of colonies</i>
Co. Cork	3,500	2,000	5,000	1
Co. Kerry	24,305	12,420	36,190	5
Co. Galway	5,250	310	10,150	3
Co. Mayo	8,625	7,500	10,000	1
Co. Donegal	275	210	340	2
Republic of Ireland Total Estimated	41,955	22,440	61,680	12
Republic of Ireland Total Estimated and Surveyed	99,065	72,753	128,188	30

Table 4 International context.

Country or region	Subspecies	Number of pairs		Year	Source		
		Min	Max				
Great Britain, Isle of Man and Channel Isles	<i>pelagicus</i>	21,000 ¹	34,000 ²	1999–2002	Seabird 2000		
All Ireland	<i>pelagicus</i>	73,000 ¹	128,000 ²	2000–02	Seabird 2000		
Faeroes	<i>pelagicus</i>	150,000	400,000	1995	BirdLife International/EBCC (2000)		
France (Atlantic)	<i>pelagicus</i>	750	810	1997–2000	Cadiou <i>et al.</i> (2002)		
Iceland	<i>pelagicus</i>	50,000	100,000	1990	Icelandic Institute of		
Natural History (2000)							
Norway	<i>pelagicus</i>	1,000	10,000	1994	Gjershaug <i>et al.</i> (1994)		
Portugal (Madeira & Salvagens)	<i>pelagicus</i>	?	?				
Spain (Canary Islands)	<i>pelagicus</i>	595	1,000	1990s	Martí & del Moral (2003)		
Spain (mainland Atlantic)	<i>pelagicus</i>	580	1,590	1990s	Martí & del Moral (2003)		
Algeria	<i>melitensis</i>	?	?		Zotier <i>et al.</i> (1992)		
Croatia (Adriatic)	<i>melitensis</i>	P	P		Lovric & Obradovic (1988)		
France (Mediterranean incl. Corsica)	<i>melitensis</i>	200	300	1997–2000	Cadiou <i>et al.</i> (2002)		
Greece (Aegean)	<i>melitensis</i>	10	30		Akriotis & Handrinos (1986)		
Italy (incl. Sardinia)	<i>melitensis</i>	1,500	2,000	1988–97	Zotier <i>et al.</i> (1992)		
Malta	<i>melitensis</i>	2,500	10,000		Massa & Sultana (1990–91) in Zotier <i>et al.</i> (1992)		
Morocco	<i>melitensis</i>	?	?		See Zotier <i>et al.</i> (1992)		
Spain (Balearics)	<i>melitensis</i>	2,138	4,268	1990s	Aguilar (1992), Amengual <i>et al.</i> (1999)		
Spain (Mediterranean)	<i>melitensis</i>	918	1,264	1990s	Martí & del Moral (2003)		
Biogeographic region		Min	Max			Min % Ireland	Max % Ireland
Atlantic (northeastern)	<i>pelagicus</i>	300,000	680,000	3.1%	11.3%	10.7%	42.7%
World*	all	310,000	690,000	3.0%	11.0%	10.6%	41.3%

* Stroud *et al.* (2001)**Notes**¹ 95% lower confidence limit² 95% upper confidence limit

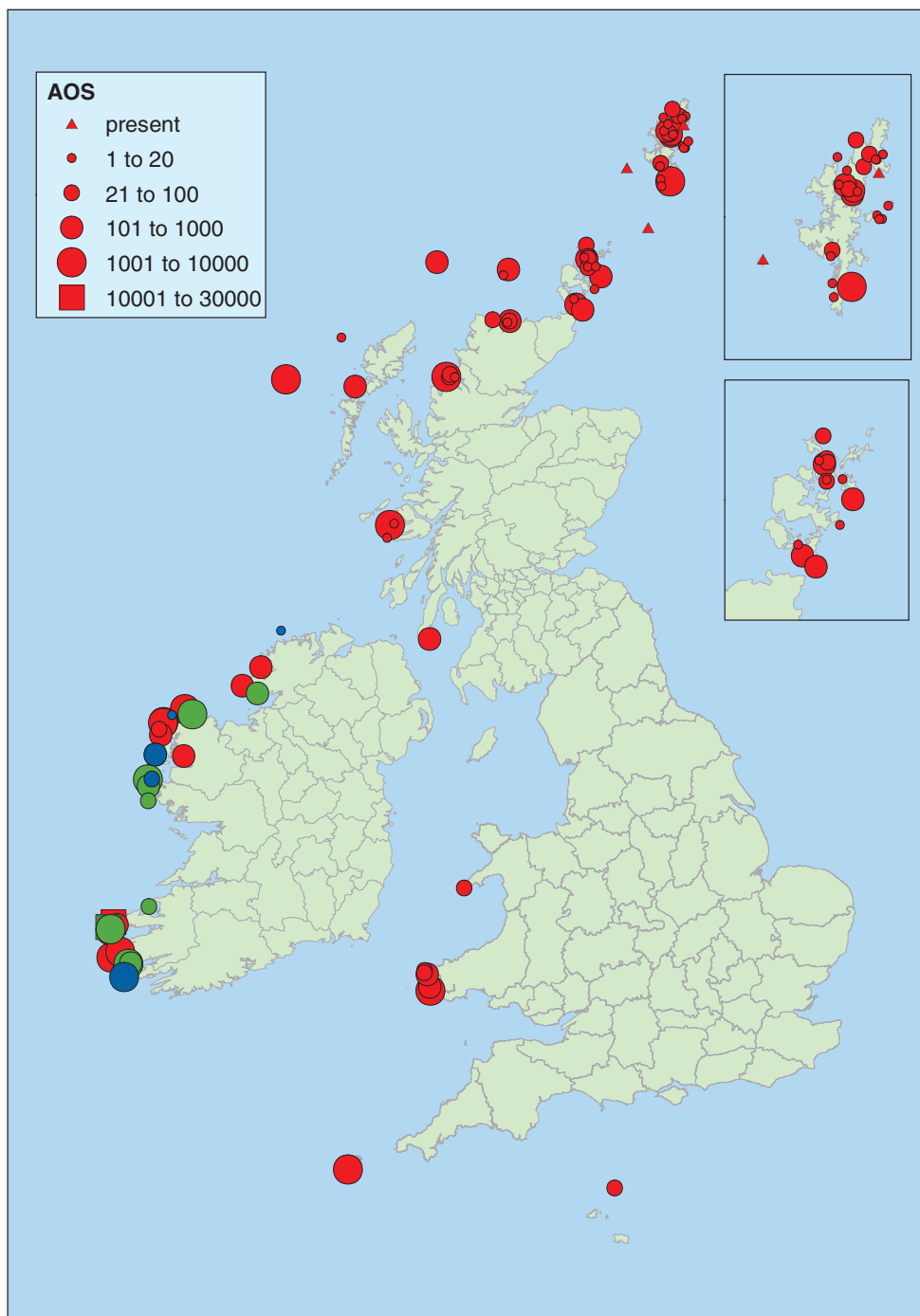


Figure 1 Abundance and distribution of breeding European Storm-petrels in Britain and Ireland 1999–2001. Colonies shown in red were surveyed by tape-playback; colonies in blue were surveyed during Seabird 2000 but only rough estimates of colony size were made; and colonies in green were not surveyed during Seabird 2000 but past estimates of colony size were used (the scale used to denote colony size is the same for all colonies).