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<http://www.jncc.defra.gov.uk/page-1530>.

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Table 1 Numbers of breeding Great Cormorants (AON) in Britain and Ireland 1969–2002.

Administrative area or country	Coastal Colonies Only							
	Operation Seafarer (1969–70)	SCR Census (1985–88)		Seabird 2000 (1999–2002)		Years	Percentage change since Seafarer	Percentage change since SCR
		AON	colonies	AON	colonies			
Shetland	502	395	8	192	4	1999	−62%	−51%
Orkney	590	604	11	412	7	1999–2000	−30%	−32%
<i>East coast Caithness</i>		235	6	107	4	2000		−54%
Caithness total	828	235	6	107	4	2000	−87%	−54%
<i>Northwest coast</i>								107
<i>Sutherland</i>		88	6	76	3	2000		−14%
<i>East Coast</i>								76
<i>Sutherland</i>					2	2000		2
Sutherland total	56	88	6	78	4		39%	−11%
<i>West coast Ross & Cromarty</i>						1999–2000		78
<i>East coast Ross & Cromarty</i>		93	5	82	3			−12%
Ross & Cromarty		40	1	245	1	1999		513%
total	276	133	6	327	4		18%	146%
Moray	1							327
Banff & Buchan				9	1	2000		9
Gordon				48	2	2001		48
City of Aberdeen		12	2					
Kincardine & Deeside		1	1	88	2	1999–2002		8700%
Angus				29	2	2001		88
Kirkcaldy				85	1	1999		29
Dunfermline		137	1	100	1	1999		85
East Lothian	152	231	3	190	2	1999	25%	100
Berwickshire	1	41	1	36	2	2000	3500%	190
Stewartby	124	217	4	313	4	2000–2003	152%	36
Wigtown	148	442	4	389	4	2000	44%	313
Kyle & Carrick	97	96	1	307	5	1999–2000	163%	307
Cunninghame	14			51	1	1999	216%	51
Argyll & Bute	61	119	10	231	13	1999–2000	264%	231
Lochaber	45			23	1	2000	−49%	23
Skye & Lochalsh	151	124	12	166	9	1998–2001	94%	166
Western Isles—Comhairle nan eilean	392	111	7	445	9	1999–2002	10%	445
Scotland Total	3,438	2,986	83	3,626	82		5%	21%
Northumberland	214	238	1	144	2	2000	−33%	144
Tyne & Wear	25	75	1	248	1	1999	892%	248
Cleveland	18	81	2	68	3	2000	278%	68
North Yorkshire		45	2	25	2	1999–2002	−44%	27
Humbershire	20					2000		47
Lincolnshire						2000		100
Nottinghamshire						2000		98
Leicestershire						2000		67
Cambridgeshire						2000		179
Northamptonshire						2000		28
Bedfordshire						2000		9
Berkshire						2000		25
Norfolk						2000		52
Suffolk						2000		30
Essex						2000–01		371
Greater London						2000		252
Kent						2000		151

Coastal Colonies Only

Administrative area or country	Operation Seafarer (1969–70)	SCR Census (1985–88)		Seabird 2000 (1999–2002)		Years	Percentage change since Seafarer	Percentage change since SCR	Seabird 2000 inland and coastal AON
		AON	colonies	AON	colonies				
East Sussex		4	1	2	1	1999–2000		-50%	77
Isle of Wight	184	39	2	90	1	2001	-51%	128%	90
Dorset	122	138	3	150	3	2000–01	23%	9%	150
Channel Islands	62	113	5	115	4	1999–2000	85%	2%	115
Cornwall	206	128	12	199	25	1999–2000	-3%	55%	199
Isles of Scilly	50	52	3	56	5	1999	12%	8%	56
Devon	178	335	21	181	13	2000–01	2%	-46%	181
Avon	39	39	1	72	1	1999	85%	85%	72
Oxfordshire						2000			5
Warwickshire						2000			43
Staffordshire						2000			45
Derbyshire						2000			1
Cumbria	1	46	1	80	2	1999–2000	7900%	74%	81
Isle of Man	35	102	7	134	4	1999	283%	31%	134
England Total	1,154	1,435	62	1,564	67		36%	9%	3,145
West Glamorgan		10							
Dyfed	550	636	16	268	13	1999–2001	-51%	-58%	268
Gwynedd	908	1032	13	1366	12	1999–2002	50%	32%	1431
Wales Total	1,468	1,668	29	1,634	25		11%	-2%	1,699
Great Britain, Isle of Man & Channel Islands									
Total	6,060	6,089	174	6,824	174		13%	12%	8,470
Co. Antrim	108	426	2	385	2	1999–2000	256%	-10%	385
Co. Down		310	5	278	1	2000		-10%	278
Co. Dublin	317	1,048	3	1539	4	1999	385%	47%	1539
Co. Wicklow		3	1						
Co. Wexford	388	473	2	473 ¹	2	2000	22%	0%	473 ¹
Co. Waterford	79	431	15	247	10	1999–2000	213%	-43%	247
Co. Cork	38	477	15	366	6	1999–2002	863%	-23%	366
Co. Kerry	117	52	4	69	6	1999–2001	-41%	33%	72
Co. Tipperary						2000			150 ²
Co. Clare	162	42	6	28 ³	2	2002	-83%	-33%	28 ³
Co. Galway	153	473	5	360 ⁴	2	1999–2001	135%	-24%	632 ^{4,5}
Co. Mayo	159	416	6	172	7	1999–2000	8%	-59%	222
Co. Sligo	118	205	1	179	2	1999	52%	-13%	179
Co. Donegal	311	361	14	640 ⁶	14	1999–2002	106%	77%	640 ⁶
All-Ireland Total	1,950	4,717	79	4,736	58		143%	0%	5,158
Britain and Ireland Total									
Britain and Ireland Total	8,010	10,806	253	11,560	232		44%	7%	13,628

Notes

¹ Includes an estimate of 200 AON at Keeragh Island that was not counted during Seabird 2000.

² An estimate of 150 AON at Rinn and Scilly Islands, Lough Derg that were not counted during Seabird 2000.

³ Includes an estimate of 20 AON at Martile Island that was not counted during Seabird 2000.

⁴ Includes an estimate of 200 AON on Deer Island that were not counted during Seabird 2000.

⁵ Includes an estimate of 150 AON at Lough Cutra that were not counted during Seabird 2000.

⁶ Includes estimates of 60 AON at Sliabh League, 50 AON on the Garvan Islands and 5 AON on Glashedy Island that were not counted during Seabird 2000.

Table 2 Changes in the number of breeding Great Cormorants (AON) at major coastal and inland colonies in Britain and Ireland between the SCR Census (1985–88) and Seabird 2000 (1999–2002). Major colonies are those that contained the top 50% of the British populations of the top 60% of the Irish populations during the SCR census and during Seabird 2000. ID corresponds to colony symbols in Fig. 2.

ID	Colony	SCR Census (1985–88)	Seabird 2000 (1999–2002)	Percentage change since SCR	Annual percentage change since SCR	Percentage of populations in Britain or Ireland 1999–2002
1	Mochrum Loch & Castle Loch	425	343	−19%	−1.6%	4.0%
2	Anglesey: Puffin Island	370	353	−5%	−0.3%	4.2%
3	Farne Islands	238	144	−39%	−3.3%	1.7%
4	St Margaret's Island	238	69	−71%	−7.9%	0.8%
5	Calf of Eday	223	138	−38%	−3.2%	1.6%
6	Little Ormes Head	198	428	116%	5.6%	5.1%
7	Shetland Mainland: Clett Stacks	165	94	−43%	−4.6%	1.1%
8	Abberton Reservoir ¹	151	370	145%	6.7%	4.4%
9	Taing Skerry ²	146	0	−100%		0.0%
10	Llanddeiniol	140	69	−51%	−5.3%	0.8%
11	Port o' Warren	138	126	−9%	−0.7%	1.5%
12	Car Craig ³	137	100	−27%	−2.6%	1.2%
13	Gad Cliff	110	43	−61%	−6.5%	0.5%
14	Craigleath ³	109	56	−49%	−5.4%	0.7%
15	The Lamb ³	104	134	29%	2.0%	1.6%
16	Muckle Roe: Erne Stack (Shetland)	98	56	−43%	−4.6%	0.7%
17	Dyke Foot to Downan Point	96	83	−14%	−1.2%	1.0%
18	Trwyn Crou to Cwmytydu	92	7	−92%	−18.1%	0.1%
19	Ynys yr Adar group	88	138	57%	3.0%	1.6%
20	Great Mew Stone	87	84	−3%	−0.3%	1.0%
21	Marsden Rock	75	248	231%	8.9%	2.9%
22	Little Green Holm	46	85	85%	4.2%	1.0%
23	North Sutor	40	245	513%	13.7%	2.9%
24	Anglesey: Bwrdd Arthur to Fedw Fawr	35	125	257%	9.1%	1.5%
25	Isle of Wight: Main Bench Cliffs	27	90	233%	9.0%	1.1%
26	Sound of Harris: Lingay & Scaravay	15	112	647%	15.4%	1.3%
27	Balcarry Point	13	95	631%	12.5%	1.1%
28	Monach Islands	13	158	1115%	19.5%	1.9%
29	Holm of Boray ²	6	165	2650%	29.1%	1.9%
30	Yellow Ark	1	85	8400%	40.6%	1.0%
31	Paxton Pits ¹	1	129	12800%	50.1%	1.5%
32	Inchkeith ³	0	85			1.0%
33	Besthorpe ¹	0	98			1.2%

<i>ID</i>	<i>Colony</i>	<i>SCR Census (1985–88)</i>	<i>Seabird 2000 (1999–2002)</i>	<i>Percentage change since SCR</i>	<i>Annual percentage change since SCR</i>	<i>Percentage of populations in Britain or Ireland 1999–2002</i>
34	Deeping St James ¹	0	100			1.2%
35	St Tudwall's Islands	0	112			1.3%
36	Lady Isle	0	198			2.3%
37	Walthamstow Reservoir	0	252			3.0%
38	Lambay	1,027	675	-34%	-3.0%	13.0%
39	Lough Derg: Rinn Island ¹	400	nc			
40	Sheep Island	380	344	-9%	-0.7%	6.6%
41	Keeragh	239	nc			
42	Little Saltee	234	273	17%	1.0%	5.2%
43	Lough Scannive	218	160	-27%	-1.9%	3.1%
44	Galway Bay: Deer Island	205	nc			
45	Ardboline & Horse Island	205	179	-13%	-1.0%	3.4%
46	Lough Cutra ¹	166	nc			
47	Duvillaun Islands	154	20	-87%	-14.5%	0.4%
48	Strangford Lough: Bird Island	89	278	212%	9.2%	5.3%
49	Inishowen/Crockduff - Croaghadoo	62	225	263%	9.7%	4.3%
50	Ireland's Eye	19	306	1511%	23.8%	5.9%
51	Lough Derg: Scilly Island ¹	17	nc			
52	Skerries: St Patrick's Island	0	558			10.7%

nc = not counted

Notes

¹ Inland

² There is considerable interchange of breeding birds between Taing Skerry and Holm of Boray

³ There is considerable interchange of breeding birds between the four colonies in the Firth of Forth

Table 3 International context.

Country or region	Subspecies	Number of pairs			
		Min	Max	Year	Source
Great Britain, Isle of Man and Channel Islands	<i>carbo</i>	7,100	7,100	1999–2002	Seabird 2000
Great Britain, Isle of Man and Channel Islands	<i>sinensis</i>	1,400	1,400	2000	Seabird 2000
All Ireland	<i>carbo</i>	5,200	5,200	1999–2002	Seabird 2000
Albania	<i>sinensis</i>	400	1,000	1992	Snow & Perrins (1998)
Austria	<i>sinensis</i>	0	5		BirdLife International / EBCC (2000)
Belarus	<i>sinensis</i>	1,200	1,500	1988–98	BirdLife International / EBCC (2000)
Belgium	<i>sinensis</i>	272	272	1995	Ulenaers <i>et al.</i> (1997)
Bosnia	<i>sinensis</i>	3	10		estimate based on Hagemeijer & Blair (1997)
Bulgaria	<i>sinensis</i>	1,000	1,300	1990–97	BirdLife International / EBCC (2000)
Croatia	<i>sinensis</i>	6,000	8,000		BirdLife International / EBCC (2000)
Czech Republic	<i>sinensis</i>	500	650	1985–95	BirdLife International / EBCC (2000)
Denmark	<i>sinensis</i>	40,126	40,126	2002	Bregnballe <i>et al.</i> (2002)
Estonia	<i>sinensis</i>	3,500	3,500	1998	BirdLife International / EBCC (2000)
Finland	<i>sinensis</i>	1,392	1,392	2002	Rusanen <i>et al.</i> (2002)
France	<i>carbo</i>	1,909	1,913	1997–99	Cadiou <i>et al.</i> (2002)
France	<i>sinensis</i>	1,425	1,474	1997–99	Cadiou <i>et al.</i> (2002)
Germany	<i>sinensis</i>	20,055	20,055	2001	Bregnballe <i>et al.</i> (2002)
Greece	<i>sinensis</i>	1,000	1,500	1995	Handrinos & Akriotis (1997)
Greenland	<i>carbo</i>	2,000	3,000	1976–95	Boertmann & Mosbøch (1997)
Hungary	<i>sinensis</i>	1,700	1,800	1998	BirdLife International / EBCC (2000)
Iceland	<i>carbo</i>	2,200	2,200	1995	A. Petersen quoted in Boertmann & Mosbøch (1997)
Italy	<i>sinensis</i>	487	487	1995	Carpegna <i>et al.</i> (1997)
Italy (Sardinia)	<i>sinensis</i>	30	40	1980	H. Schenk quoted in de Juana (1984)
Kazakhstan (west of River Ural),					
Georgia, Azerbaijan	<i>sinensis</i>	2,500	2,500		very approximate estimate only
Latvia	<i>sinensis</i>	150	150	1993	Baumanis <i>et al.</i> (1997)
Lithuania	<i>sinensis</i>	2,000	3,000	1996–98	BirdLife International / EBCC (2000)
Macedonia	<i>sinensis</i>	30	30		estimate based on Hagemeijer & Blair (1997)
Moldova	<i>sinensis</i>	3,000	5,000	1990	BirdLife International / EBCC (2000)
Netherlands	<i>sinensis</i>	19,205	19,205	2000	Bregnballe <i>et al.</i> (2002)
Norway	<i>carbo</i>	25,150	25,150	2000	Røv <i>et al.</i> (2002)

Country or region	Subspecies	Number of pairs					
		Min	Max	Year	Source		
Poland	<i>sinensis</i>	8,077	8,077	1992	Przybysz <i>et al.</i> (1997)		
Romania	<i>sinensis</i>	13,000	13,000	1998	BirdLife International / EBCC (2000)		
Russia	<i>carbo</i>	1,681	1,681	1995–96	Rov & Paneva (2000), T. Paneva & J. Krasnov quoted in Boertmann & Mosbech (1997)		
Russia	<i>sinensis</i>	30,000	45,000	late 1980s–early 1990s	Snow & Perrins (1998)		
Serbia	<i>sinensis</i>	100	100		estimate based on Hagemeyer & Blair (1997)		
Slovakia	<i>sinensis</i>	190	190	1994–95	Musil <i>et al.</i> (1997)		
Spain	<i>sinensis</i>	1	2		BirdLife International / EBCC (2000)		
Sweden	<i>sinensis</i>	27,300	27,300	2000	Bregnballe <i>et al.</i> (2002)		
Turkey	<i>sinensis</i>	1,600	3,000		BirdLife International / EBCC (2000)		
Ukraine	<i>sinensis</i>	17,300	21,000	1998	BirdLife International / EBCC (2000)		
Eastern Palearctic ³	<i>sinensis</i>	100,000	100,000		order of magnitude estimate only		
Southern & Western Africa ⁴	<i>lucidus</i>	100,000	100,000		order of magnitude estimate only		
Northwest Africa ⁵	<i>maroccanus</i>	10,000	10,000	1996–97	order of magnitude estimate only		
Canada	<i>carbo</i>	6,300	6,300	1986–95	Lock <i>et al.</i> (1994)		
USA	<i>carbo</i>	165	165	1995	J. Drury quoted in Boertmann & Mosbech (1997)		
Australia, New Zealand, New Guinea, Chatham Islands	<i>novaehollandiae</i>	100,000	100,000		order of magnitude estimate only		
Biogeographic region		Min	Max	Min % GB	Max % GB	Min % Ireland	Max % Ireland
World*	<i>carbo</i>	52,000	53,000	13.4%	13.7%	9.8%	10.0%
N. Atlantic	<i>sinensis</i>	300,000	330,000	0.4%	0.5%		
Paleartic World	all	570,000	590,000	1.4%	1.5%	0.9%	0.9%

* Stroud *et al.* 2001

Notes

¹ Taken to be all British cormorants except those breeding in English inland colonies, plus 50% of the colony at Abberton Reservoir

² Taken to be all cormorants breeding in English inland colonies, minus 50% of the colony at Abberton Reservoir

³ Present in Burma, Bangladesh, China, India, Iran, Japan, Kazakhstan (east of River Ural), Russia, Turkmenistan, Uzbekistan.

⁴ Present in Namibia, South Africa, Mozambique, Botswana, Malawi, Zambia, Zimbabwe, Ethiopia, Kenya, Uganda, Tanzania

⁵ Present in Mauritania, Western Sahara, Morocco, Senegal

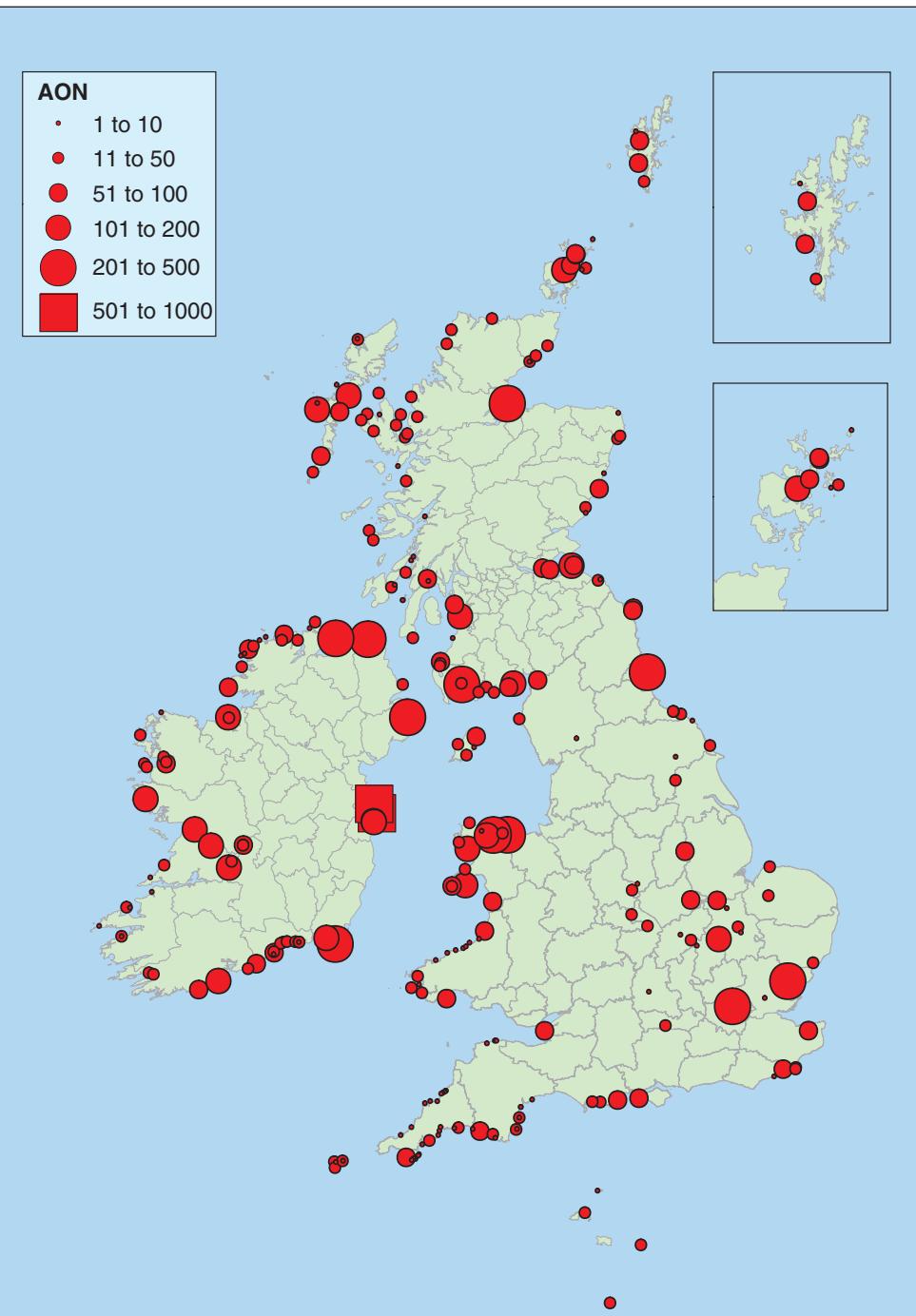


Figure 1 Abundance and distribution of breeding Great Cormorants in Britain and Ireland 1998–2002.

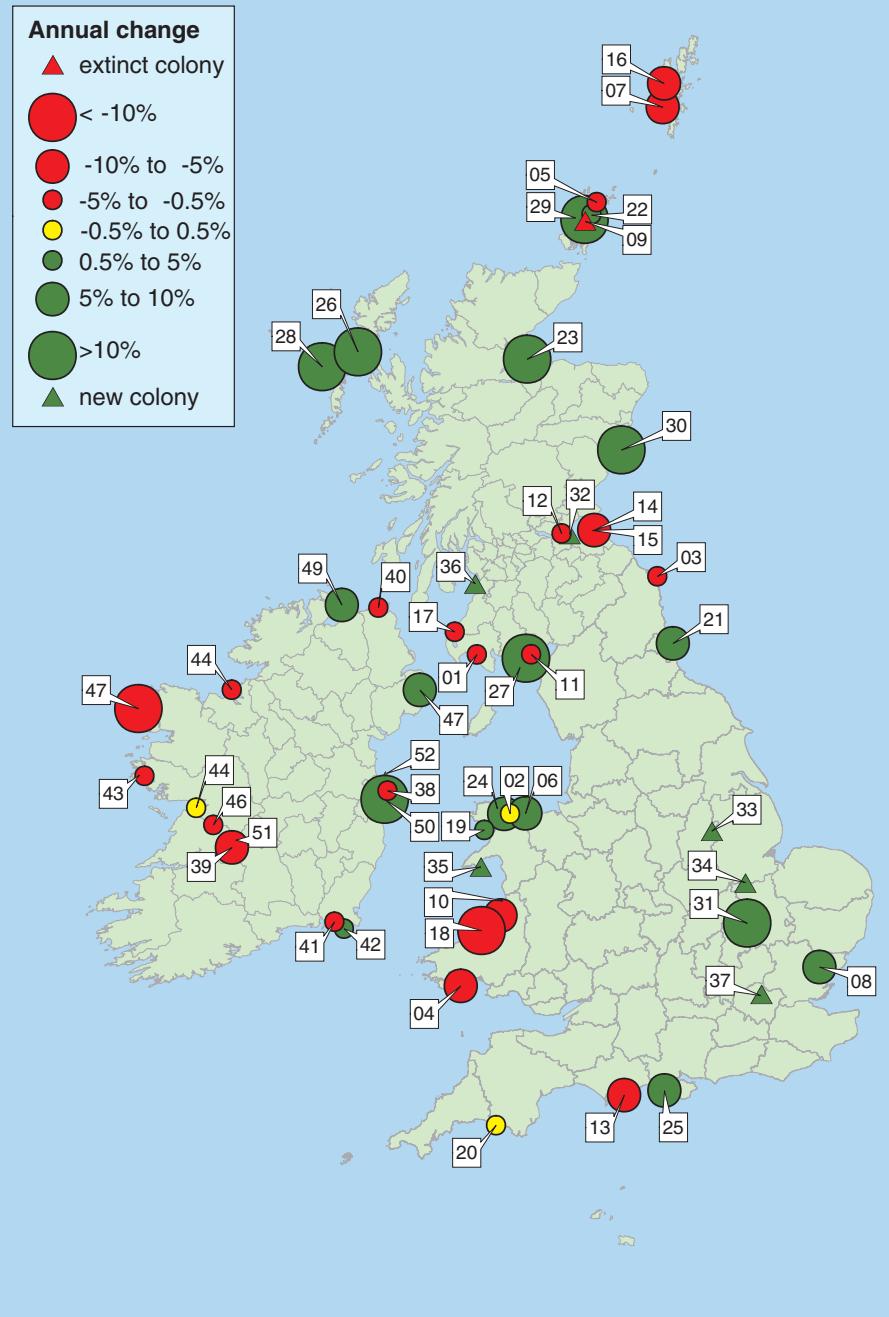


Figure 2 Changes in the number of breeding Great Cormorants (AON) at major coastal and inland colonies in Britain and Ireland between the SCR Census (1985–88) and Seabird 2000 (1999–2002). Major colonies are those that contained the top 50% of the British population or the top 60% of the Irish population during the SCR census and during Seabird 2000. Numbers correspond to colonies listed in Table 2.