

# Brief Summary of Productivity Results 2006-2010

## Kittiwake

- Continued rapid decline (since 1980s) - 73% in last 5 years (see table)
- Complete breeding failure 2006-2008 (early chick phase); 1 fledged 2009 St. Agnes
- Previous productivity estimates for Scilly wide variation 1992 -98 0.12 –0.99+ ch/pr
- Patchy success across SW colonies from failure to 0.9 ch/pr Exmouth (HBooker)

### 2010 Season

- Daymark sub-colony doubled in size; 52 chicks from 43 nests (1.21 ch/pr)
- 2 chicks fledged from St. Agnes nest
- Abandonment of sub-colonies at Samson North & South, Gimble Porth
- Complete breeding failure St. Helen's, Gugh (mid-late June)

SUB-COLONY SITE	Orientation	1999	2006	2007	2008	2009	2010
Gugh	NE	155	131	69	50	42	26
Gimble Porth, Tresco	NE	54	37	39	30	29	0
St. Helen's	SE	7	36	31	35	18	2
Samson North Hill	W	28	25	26	21	9	0
Samson South Hill	SSW	10	22	15	10	0	0
St. Martin's, Daymark	NE	27	15	21	27	22	43
<b>TOTAL</b>		<b>281</b>	<b>266</b>	<b>201</b>	<b>173</b>	<b>120</b>	<b>71</b>

## Herring gull

- Sustained decline since the mid 1970s; 21% reduction 1999 -2006 to 715 prs
- Previous productivity estimates 1991 -93 0.54 –0.75 ch/pr (Gugh)
- Gimble Porth failure following late and unsynchronised laying pattern 2009 &10
- Hugh Town high productivity, no increase in numbers settling, negative press

Site	2007 Chicks/pr (n)	2008 Chicks/pr (n)	2009 Chicks/pr (n)	2010 Chicks/pr (n)
Samson	0 (52)	0.3 (84)	0.66 ch/pr (73)	0.68 ch/pr (63)
Gimble Porth, Tresco	4 min (?)	0.4 (50)	0 ch/pr (41)	0 ch/pr (17)
Hugh Town	3 min (5)	1.29 ch/pr (7)	1.67 ch/pr (6)	1.86 ch/pr (7)

## Fulmar

- Rapid increase in numbers since 1960s; 52% rise in numbers 1999 -2006
- Numbers 1985 -2000 in Cornwall increased by 2%; in Devon fell by 42%
- Previous productivity estimates 1992 -93 Annet 0.3 –0.5 ch/pr
- Productivity estimates from 2006 -08 Lundy 0.2 -0.29 ch/pr

Site	2006 Chicks/pr (n)	2007 Chicks/pr (n)	2008 Chicks/pr (n)	2009 Chicks/pr (n)	2010 Chicks/pr (n)
Menawethan	0.25 (44)	0.3 (41)	0.35(37)	0.43 (33)	0.39 (30)
Daymark	0.2 (46)	0.49 (45)	0.28 (46)	0.64 (36)	0.45 (51)

## Common Tern

- Numbers declining steadily since the 1980s; max 210 prs 1983
- Patchy success, keen on precariously low islands
- Failed completely 2006 -7, some chicks fledged 2008 -9
- 2010 failed to lay – disturbance issues?

Year	Productivity (ch/ pr)	Notes
2003	0.43 (n = 86)	
2004	0.59 (n = 76)	Most nests on Samson North Hill
2006	0 (n = 78)	Young inundated by storm tide, Green Island
2007	0 (n = 1)	Only one breeding attempt recorded in Scilly
2008	0.26 (n = 51)	Green Is. 41 nests; Peasehopper 10 nests
2009	0.39 (n = 52)	Green Is. 51 nests; Annet 1 nest
2010	0	20 <sup>th</sup> May 60+ Green/ Stoney Is; none present 6 <sup>th</sup> - 20 <sup>th</sup> June; 15 11 <sup>th</sup> July Green Is (WWagstaff Obs)

## Manx Shearwater

- Numbers decreased 15% 2000 -2006 from 201 to 171 (Playback survey)
- Continued failure of nesting attempts St. Agnes, Gugh, Bryher
- Gugh surveyed in 2000 (22 AOBs), 2006 (9), 2007 (8); St. Agnes in 2007 (5)
- 2007 dog killed adult Giant's Castle; 2008 same at Shipman Head

### 2010 season

- Playback produced replies Gugh & St. Agnes (PSPierre)
- Playback survey Garrison, Ganninick, Little Innisvouls - no AOBs
- 4 replies to playback Peninnis, no activity later in season

## Storm Petrel

- Annet study beach (to east of landing cairn) surveyed in July using playback

Study Beach on Annet	Number of AOSs identified using playback
Seabird 2000	17
SPA Survey 2006	13
2010	14