

## Taxonomic List

### Noteworthy fauna:

For Alcon Large Blue (*Maculinea alcon*) - a Danish red listed butterfly (category VU, DMU 2007), the Ramsar site is probably the most important area in Denmark.

Læsø and the many small islets south of the island are breeding areas for several redlisted species (mentioned above under para. 14), in particular Ruddy Turnstone (*Arenaria interpres*) (most important area in Denmark with > 90 % of the Danish population) and one of the largest breeding colonies of Arctic Tern (*Sterna paradisaea*) in Denmark with about 800 breeding pairs.

**Breeding waterbirds:** Table giving the most recent information about breeding waterbirds in the Ramsar site. Published and unpublished data from the NOVANA programme of the Ministry of Environment and DCE, supplemented with data from the Birdlife Denmark citizen science portal DOFbasen on selected breeding species covered by the EEC Birds Directive Annex 1. Numbers given are annual breeding populations of the species listed. Counting intensity varies over the years. Note: 0 does not necessarily mean the species was absent – rather not counted/reported

Species \ Year	Breeding population (in pairs)					
	2004	2005	2006	2007	2008	2009
<i>Phalacrocorax carbo</i>	104	21	123	73	147	0
<i>Grus grus</i>	0	0	0	0	0	2
<i>Recurvirostra avosetta</i>	0	0	0	127	0	203
<i>Calidris alpina</i>	24	0	22	15,5	0	0
<i>Arenaria interpres</i>	0	0	51	47	0	36
<i>Philomachus pugnax</i>	0,5	0	0	1	1	1
<i>Sterna sandvicensis</i>	0	0	0	0	140	55
<i>Sterna paradisaea</i>	0	0	799	86	0	0
<i>Sterna albifrons</i>	0	0	1	0	0	0
<i>Asio flammeus</i>	0	0	0	0	0	1

Note: this site has not been subject to intensive monitoring programmes for all species/all years. Missing Marsh Harrier (*Circus auruginosus*) and tern *Sterna* numbers in table might thus represent missing coverage rather than absence of these species some years. “Half pairs” represents a range, 0,5 pair is this 0-1 pair.

The site is also a very important staging and wintering area, especially for waders and seaducks.

**Migratory waterbirds:** Table giving the most recent information about staging waterbirds in the Ramsar site. Published and unpublished data from the NOVANA programme of the Ministry of Environment and DCE, supplemented with data from the Birdlife Denmark citizen science portal DOFbasen on migratory species of national responsibility (for details see Miljø- og Energiministeriet, Skov- og Naturstyrelsen 1999), and selected migrant species (e.g. some raptors and *Charadrius morinellus*) covered by the EEC Birds Directive Annex 1. Numbers given are annual maxima of the species listed. Counting intensity varies over the years. Note: 0 does not necessarily mean the species was absent – rather not counted/reported. Averages are thus computed based on years with numbers reported. Offshore species (\*) have been counted using transect surveys in 2004 and 2008. Numbers mentioned from 2004 are actual counted numbers, true numbers are probable 3-5 times higher (as demonstrated by Petersen et al. 2006b using spatial modelling for selected species). Numbers for 2008 have been spatially modelled for species marked by # (Petersen & Nielsen 2011). Data mentioned below for offshore species from 2005-2007 and 2009 are from land-based surveys and would not represent a true estimate for offshore parts of the Ramsar site. The true numbers are likely to be much higher.

Important notice: Numbers presented are totals recorded with Special Protection Area for Birds (SPA) No. 10 – which is larger than the Ramsar site. For non-offshore species, numbers presented would usually all have been

recorded within the shallows inside the Ramsar site. For offshore species, most have been recorded inside the Ramsar site. But see above under para. 14 for Eider (*Somateria mollissima*) and Common Scoter (*Melanitta nigra*).

Species \ Year	Annual						Average	
	2004	2005	2006	2007	2008	2009		
<i>Gavia stellata</i>	16	0	11	3	17	7	11	*
<i>Gavia arctica</i>	0	0	7	2	2	2	3	*
<i>Gavia immer</i>	0	0	1	0	0	0	1	*
<i>Podiceps grisegena</i>	2	0	0	5	3	5	4	*
<i>Podiceps auritus</i>	0	0	0	2	1	0	2	
<i>Sula bassana</i>	0	0	0	0	2	0	2	*
<i>Phalacrocorax carbo</i>	94	0	360	780	976	528	548	
<i>Cygnus olor</i>	8	0	2	22	19	32	17	
<i>Cygnus columbianus</i>	0	0	0	0	1	0	1	
<i>Cygnus cygnus</i>	8	7	0	0	61	1	19	
<i>Anser anser</i>	0	20	0	44	15	5	21	
<i>Branta canadensis</i>	2	0	0	0	18	39	20	
<i>Branta bernicla bernicla</i>	625	255	868	658	474	555	573	
<i>Branta bernicla hrota</i>	0	0	1	0	175	0	88	
<i>Tadorna tadorna</i>	60	0	0	0	1694	900	885	
<i>Anas penelope</i>	0	0	0	763	497	552	604	
<i>Anas crecca</i>	30	0	120	238	694	89	234	
<i>Anas platyrhynchos</i>	419	300	35	543	1573	956	638	
<i>Anas acuta</i>	0	0	0	6	19	1	9	
<i>Anas clypeata</i>	0	0	0	0	0	1	1	
<i>Aythya marila</i>	0	0	0	2800	3	0	1402	*
<i>Somateria mollissima</i>	9488	0	1200	1500	1981	1772	6754	# *
<i>Clangula hyemalis</i>	68	0	0	0	153	0	111	# *
<i>Melanitta nigra</i>	3746	0	8000	500	7873	3001	2554	# *
<i>Melanitta fusca</i>	83	0	0	15	12	32	36	*
<i>Bucephala clangula</i>	70	0	35	76	711	877	354	
<i>Mergus serrator</i>	22	0	28	262	597	459	274	# *
<i>Mergus merganser</i>	0	0	0	0	0	1	1	
<i>Circus aeruginosus</i>	0	0	0	0	1	0	1	
<i>Circus cyaneus</i>	0	0	0	1	1	1	1	
<i>Pandion haliaetus</i>	0	0	1	0	7	0	4	
<i>Falco columbarius</i>	0	0	0	0	3	2	3	
<i>Falco peregrinus</i>	0	0	1	3	5	2	3	
<i>Fulica atra</i>	0	0	0	0	6	0	6	
<i>Haematopus ostralegus</i>	0	0	0	0	173	54	114	
<i>Recurvirostra avosetta</i>	0	0	22	4	50	60	34	
<i>Pluvialis apricaria</i>	0	31	0	245	419	242	234	

<i>Pluvialis squatarola</i>	0	0	0	0	499	575	537	
<i>Vanellus vanellus</i>	0	0	0	0	117	86	102	
<i>Calidris canutus</i>	0	0	0	127	162	305	198	
<i>Calidris alba</i>	8	0	16	93	107	115	68	
<i>Calidris ferruginea</i>	0	0	0	0	0	6	6	
<i>Calidris alpina</i>	50	0	200	1498	2000	1134	9315	
<i>Gallinago gallinago</i>	0	0	0	0	14	0	14	
<i>Limosa limosa</i>	0	0	0	0	2	0	2	
<i>Limosa lapponica</i>	2000	0	0	8	2000	3000	1752	
<i>Numenius phaeopus</i>	0	0	0	0	0	8	8	
<i>Numenius arquata</i>	0	0	0	0	1103	738	921	
<i>Tringa erythropus</i>	0	0	0	0	4	0	4	
<i>Tringa totanus</i>	0	0	11	11	110	599	183	
<i>Tringa nebularia</i>	0	0	1	8	269	138	104	
<i>Phalaropus lobatus</i>	0	0	0	0	0	1	1	
<i>Larus ridibundus</i>	38	0	0	0	780	0	409	
<i>Larus canus</i>	2	0	0	0	10	0	6	
<i>Larus argentatus</i>	343	0	0	0	1318	0	831	
<i>Larus marinus</i>	27	0	0	0	107	0	67	
<i>Rissa tridactyla</i>	20	0	0	0	1	0	11	*
<i>Sterna sandvicensis</i>	0	0	0	0	4	90	47	
<i>Sterna hirundo</i>	0	0	0	0	5	4	5	
<i>Alca torda</i>	0	0	0	0	145	0	145	*
Sum of annual maxima	5094	613	1092	2370	133684,9	2718		

