

Taxonomic List

Noteworthy fauna:

There is a haul-out for Common Seal on the offshore island, Bosserne.

The site is one of the most important breeding areas in Denmark for Common Eider (*Somateria molissima*), Lesser Black-backed Gull (*Larus fuscus*, mostly *intermedius*), Black-backed Gull (*Larus marinus*) and Black Guillemot (*Cepphus grille*), and a regionally important breeding site for species mentioned above under paragraph 14. Also one of the few breeding locations in Denmark for Rock Pipit (*Anthus petrosus*)(red listed in NT category, DMU 2007).

Århus Amt (2007) lists tables with numbers of most of the breeding species mentioned under paragraph

14. Breeding numbers of most species are highly variable, and the information given does not indicate to which extent all potential breeding areas have been surveyed. The status of Baltic Dunlin in the site is very uncertain; the species was recorded by Grell (1998) under the second Danish breeding bird Atlas survey 1993-96, but has not been recorded (or searched?) on the site in three other national surveys (two before, and one after the Atlas was made; Thorup 2004).

The breeding Common Eider population has only been counted once during this reporting period, in 2007 when 1,397 pairs were found (Christensen & Bregnballe 2011). More recent breeding bird numbers of other species are tabulated below.

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 Published and unpublished data from the NOVANA programme of the Ministry of Environment and DCE, supplemented with data from the Birdlife Denmark citizen science portal DOFbasen on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 (pairs)					
	2004	2005	2006	2007	2008	2009
<i>Phalacrocorax carbo</i>	3341	3645	3008	2999	3079	3237
<i>Recurvirostra avosetta</i>	15	6	0	0	0	0
<i>Sterna sandvicensis</i>	0	0	0	0	0	0
<i>Sterna paradisaea</i>	94	8	123	0	5	65
<i>Sterna albifrons</i>	0	0	0	0	2	0
<i>Cepphus grylle</i>	0	0	23	58	29	0

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.

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 (Petersen & Nielsen 2011).

Species \ Year	Annual Maxima						Average	
	2004	2005	2006	2007	2008	2009		
<i>Gavia stellata</i>	0	0	1	0	1	1	1	
<i>Gavia arctica</i>	0	0	1	0	0	0	1	
<i>Tachybaptus ruficollis</i>	0	0	0	2	2	0	2	
<i>Podiceps cristatus</i>	0	0	0	2	8	0	5	
<i>Podiceps grisegena</i>	14	15	113	7	36	22	35	
<i>Podiceps auritus</i>	0	0	1	0	1	0	1	
<i>Phalacrocorax carbo</i>	5000	540	500	3000	286	248	1596	
<i>Ardea cinerea</i>	11	8	8	2	2	1	5	
<i>Cygnus olor</i>	61	123	43	67	71	63	71	
<i>Cygnus columbianus</i>	0	250	0	0	0	3	127	
<i>Cygnus cygnus</i>	349	366	536	320	325	386	380	
<i>Anser fabalis</i>	0	0	0	0	1	0	1	
<i>Anser brachyrhynchus</i>	2	1	7	4	8	1	4	
<i>Anser albifrons albifrons</i>	0	0	0	0	2	0	2	
<i>Anser anser</i>	650	640	1310	1150	1607	1356	1119	
<i>Branta canadensis</i>	15	0	36	0	0	0	26	
<i>Branta leucopsis</i>	116	71	83	0	46	25	68	
<i>Branta bernicla</i>	33	311	98	2	113	90	108	
<i>Branta bernicla bernicla</i>	190	311	350	310	477	277	319	
<i>Branta bernicla hrota</i>	16	6	5	6	3	2	6	
<i>Tadorna tadorna</i>	69	196	62	172	182	278	160	
<i>Anas penelope</i>	675	1700	750	1500	950	470	1008	
<i>Anas strepera</i>	0	0	0	0	1	0	1	
<i>Anas crecca</i>	85	80	93	91	143	105	100	
<i>Anas platyrhynchos</i>	786	412	480	520	729	1056	664	
<i>Anas acuta</i>	42	18	22	16	33	54	31	
<i>Anas clypeata</i>	3	10	7	3	5	4	5	
<i>Aythya ferina</i>	14	8	3	0	0	17	11	
<i>Aythya fuligula</i>	92	8	6	14	5	7	22	
<i>Aythya marila</i>	1	16	1	7	1	18	7	
<i>Somateria mollissima</i>	1600	4000	8010	3015	5516	7000	4857	*
<i>Clangula hyemalis</i>	2	0	0	0	1	1	1	*
<i>Melanitta nigra</i>	80	14	250	950	1114	250	443	*
<i>Melanitta fusca</i>	48	38	73	39	155	124	80	*
<i>Bucephala clangula</i>	761	2000	655	1020	850	450	956	
<i>Mergus albellus</i>	4	16	16	0	26	21	17	
<i>Mergus serrator</i>	124	183	208	176	310	300	217	
<i>Mergus merganser</i>	12	9	10	4	9	8	9	
<i>Haliaeetus albicilla</i>	1	1	0	0	0	1	1	
<i>Circus cyaneus</i>	1	1	1	1	1	1	1	
<i>Falco vespertinus</i>	0	0	1	0	0	0	1	
<i>Falco columbarius</i>	1	1	1	1	1	0	1	
<i>Falco peregrinus</i>	1	1	1	1	1	1	1	
<i>Fulica atra</i>	26	92	98	150	26	21	69	
<i>Haematopus ostralegus</i>	53	52	18	137	162	235	110	
<i>Recurvirostra avosetta</i>	26	28	19	25	17	25	23	

<i>Pluvialis apricaria</i>	1425	1532	1225	743	1550	2500	1496	
<i>Pluvialis squatarola</i>	0	0	0	0	4	6	5	
<i>Vanellus vanellus</i>	0	24	0	103	218	260	151	
<i>Calidris canutus</i>	50	27	19	21	41	43	34	
<i>Calidris alba</i>	2	6	12	1	8	1	5	
<i>Calidris maritima</i>	0	0	0	0	0	2	2	
<i>Calidris alpina</i>	530	725	795	500	390	580	587	
<i>Limosa lapponica</i>	476	720	1720	790	756	732	866	
<i>Numenius arquata</i>	47	163	108	195	610	196	220	
<i>Tringa totanus</i>	145	170	94	62	69	55	99	
<i>Tringa nebularia</i>	32	73	18	18	26	16	31	
<i>Arenaria interpres</i>	0	0	0	1	1	0	1	
<i>Larus ridibundus</i>	0	0	0	0	35	0	35	
<i>Larus argentatus</i>	10	0	0	0	45	0	28	
<i>Larus marinus</i>	3	0	0	0	5	0	4	
<i>Alca torda</i>	3	3	9	1	1	0	3	
<i>Sum of annual maxima</i>	13687	14970	17877	15149	16985	17313	0	