

## Taxonomic List

## Noteworthy fauna:

**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 Published and unpublished data from the NOVANA programme of the Ministry of Environment and DCE, supplemented with data from the Birdlife Denmark citizen science portal DOFbasen on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					
	2004	2005	2006	2007	2008	2009
<i>Recurvirostra avosetta</i>	15	30	3	151	142	127
<i>Sterna sandvicensis</i>	2	0	2	355	1870	1330
<i>Sterna hirundo</i>	5	16	4	0	0	0
<i>Sterna paradisaea</i>	270	216	119	200	385	80
<i>Sterna albifrons</i>	0	0	14	0	1	0,5

Note: this site has not been subject to intensive monitoring programmes for all species/all years. Missing 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 used to be a breeding area for a number of species on the on the Danish red list, e.g. Pintail *Anas acuta* (VU), Baltic Dunlin, *Calidris alpina schinzii* (EN, also Ann. I, EU Birds Directive), and Ruff *Philomachus pugnax* (EN, also Ann. I, EU Birds Directive). The status of Pintail is unknown, but the waders most likely disappeared (Thorup 2004).

**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 Published and unpublished data from the NOVANA programme of the Ministry of Environment and DCE, supplemented with data from the Birdlife Denmark citizen science portal DOFbasen on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 # (Petersen & Nielsen 2011).

Species \ Year	Annual Maxima						Average	
	2004	2005	2006	2007	2008	2009		
<i>Gavia stellata</i>	0	1	1	4	2	1	2	*
<i>Gavia arctica</i>	0	0	1	3	0	0	2	*
<i>Podiceps cristatus</i>	0	22	0	0	54	20	32	
<i>Podiceps grisegena</i>	0	0	0	20	3	2	8	*

<i>Podiceps auritus</i>	0	0	0	0	0	1	1	
<i>Phalacrocorax carbo</i>	5000	3000	3500	2000	5000	3000	3583	
<i>Ardea cinerea</i>	2	0	0	0	3	0	3	
<i>Platalea leucorodia</i>	1	0	0	0	0	0	1	
<i>Cygnus olor</i>	318	191	170	632	623	399	389	
<i>Cygnus columbianus</i>	4	2	0	5	0	0	4	
<i>Cygnus cygnus</i>	1941	1150	2365	2048	4397	3571	2579	
<i>Anser fabalis</i>	17	2	45	0	0	0	21	
<i>Anser fabalis rossicus</i>	1	0	0	5	0	0	3	
<i>Anser brachyrhynchus</i>	0	0	0	9	0	0	9	
<i>Anser albifrons albifrons</i>	2	0	79	3	0	0	28	
<i>Anser anser</i>	300	22	440	495	1225	822	551	
<i>Branta canadensis</i>	325	37	626	305	491	279	344	
<i>Branta leucopsis</i>	80	4	0	84	6	83	51	
<i>Branta bernicla bernicla</i>	62	15	10	26	60	2	29	
<i>Branta bernicla brota</i>	3200	3100	4000	3000	1649	1250	2700	
<i>Tadorna tadorna</i>	1625	869	0	1300	2234	1124	1430	
<i>Anas penelope</i>	525	1824	2019	2446	3079	1534	1905	
<i>Anas strepera</i>	0	0	0	0	0	8	8	
<i>Anas crecca</i>	210	756	200	415	1022	300	484	

<i>Anas platyrhynchos</i>	8068	443	2750	3650	6039	3200	4690	
<i>Anas acuta</i>	58	110	350	470	430	564	330	
<i>Anas clypeata</i>	14	21	2	25	3	4	12	
<i>Aythya ferina</i>	1	0	0	0	0	0	1	
<i>Aythya fuligula</i>	630	1	3	5	15	1	109	
<i>Aythya marila</i>	12765	350	480	250	1550	600	2666	*
<i>Somateria mollissima</i>	10000	1000	9000	7000	6000	4501	7750	##*
<i>Clangula hyemalis</i>	5	0	0	0	78	0	41	##*
<i>Melanitta nigra</i>	3500	500	5000	5000	5294	5000	12741	##*
<i>Melanitta fusca</i>	200	300	1000	55	302	700	426	*
<i>Bucephala clangula</i>	1931	900	500	850	2300	1800	1380	
<i>Mergus albellus</i>	1	0	0	0	0	0	1	
<i>Mergus serrator</i>	140	187	220	220	270	251	215	#
<i>Mergus merganser</i>	57	6	10	5	33	23	22	
<i>Haliaeetus albicilla</i>	1	3	3	3	2	6	3	
<i>Circus cyaneus</i>	1	3	2	2	3	2	2	
<i>Pandion haliaetus</i>	1	2	2	3	5	2	3	
<i>Falco vespertinus</i>	0	0	0	2	0	0	2	
<i>Falco columbarius</i>	1	2	1	2	1	1	1	
<i>Falco peregrinus</i>	2	2	2	2	2	2	2	
<i>Fulica atra</i>	2645	930	2200	1800	806	365	1458	
<i>Haematopus ostralegus</i>	60	624	0	0	916	909	627	

<i>Recurvirostra avosetta</i>	250	53	146	268	176	24	153	
<i>Pluvialis apricaria</i>	4000	1281	2200	4500	2850	7000	5560	
<i>Pluvialis squatarola</i>	0	68	0	0	123	85	92	
<i>Vanellus vanellus</i>	0	167	0	0	2008	181	1289	
<i>Calidris canutus</i>	120	82	361	201	300	324	231	
<i>Calidris alba</i>	562	140	1640	1500	275	500	770	
<i>Calidris alpina</i>	7500	946	4060	6100	8500	4812	6740	
<i>Philomachus pugnax</i>	0	0	0	0	4	4	4	
<i>Gallinago gallinago</i>	0	1	0	0	0	5	3	
<i>Gallinago media</i>	0	1	0	0	0	0	1	
<i>Limosa limosa</i>	0	0	0	0	0	9	9	
<i>Limosa lapponica</i>	284	150	810	2200	3600	364	1460	
<i>Numenius phaeopus</i>	0	0	0	0	0	8	8	
<i>Numenius arquata</i>	132	722	0	1273	1015	1108	850	
<i>Tringa erythropus</i>	0	0	0	0	0	3	3	
<i>Tringa totanus</i>	260	200	300	250	265	548	304	
<i>Tringa nebularia</i>	750	978	939	844	465	783	793	
<i>Phalaropus lobatus</i>	0	0	0	1	0	0	1	
<i>Larus ridibundus</i>	0	0	0	0	408	0	408	
<i>Larus canus</i>	0	0	0	0	322	0	322	
<i>Larus argentatus</i>	49	0	0	0	1065	0	557	
<i>Larus marinus</i>	0	0	0	0	30	0	30	
<i>Sterna caspia</i>	0	0	1	0	0	0	1	
<i>Alca torda</i>	0	0	1	20	0	0	11	*
Sum of annual maxima	67601	61571	45439	49301	65303	46085		



