Taxonomic List

Noteworthy fauna:

Breeding area for aquatic and salt marsh birds including species mentioned above under paragraph 14. and *Cepphus grylle.* National Red Listed Baltic Dunlins *(Calidris alpina schinzii)* and Ruff *(Philomachus pugnax)* all bred in the area in the past, but seem to have disappeared (Thorup 2004), the same appears to has happened for Little Terns *(Sterna albifrons)*(Vejle Amt & Århus Amt 2007). The latter source lists tables with current numbers of the other 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.

Vorsø in the past has one of the biggest and most stable colonies of *sinensis* Cormorant in Europe, but this is now declining. Two nother colonies of Cormorant is found on Svanegrund and Hov Røn.

Møllegrunden is the most important locality for Common Seal in the southern part of the Kattegat.

On Endelave an isolated population of Agile Frog *(Rana dalmatina)* is found. Management of breeding sites has improved their conservation status and they are now thriving (Vejle Amt & Århus Amt 2007).

The site is an important staging area for Bar-tailed Godwits (*Limosa lapponica*)(annual records of several flocks >1,000 birds, and for Golden Plover (*Pluvialis apricaria*)(annual records of several flocks >5,000 birds). Co-ordinated counts covering all important areas within the site simultaneously is being developed under the NOVANA programme, mentioned below. With the recent split of sub-species/fly-way populations of both species, assignment of numbers recorded to specific fly-way population, and estimation of international importance requires a novel in depth analysis of timing of migration of the two species (with two sub-species each), a task beyond this RIS.

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 Published and unpublished data from the NOVANA programme of the Ministry of Environment and DCE, supplemented with data from the Birdlife Denmark citizen science portal DOFbasen on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.

	Breeding population - pairs					
Species \ Year	2004	2005	2006	2007	2008	2009
Phalacrocorax carbo	3572	3632	3089	2675	1929	2059
Circus aeruginosus	0	0	0	0	1	0
Recurvirostra avosetta	26	34	40	24	40	49
Sterna sandvicensis	0	0	105	0	25	356
Sterna paradisaea	274	225	168	40	255	1
Sterna albifrons	0	0	0	0	0	0
Cepphus grylle	16	12	9	10	10	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).

	Annual Maxima						Average	
Species \ Year	2004	2005	2006	2007	2008	2009		
Gavia stellata	0	1	0	0	1	0	1	
Gavia arctica	1	0	0	0	0	0	1	
Gavia immer	0	0	0	0	1	0	1	
Podiceps cristatus	10	0	0	0	30	76	39	
Podiceps grisegena	9	3	17	5	17	9	10	
Podiceps auritus	1	5	6	3	1	0	3	
Podiceps nigricollis	0	0	0	0	6	9	8	
Phalacrocorax carbo	526	250	400	400	477	1014	511	
Ardea cinerea	4	3	0	1	4	2	3	
Platalea leucorodia	0	1	0	1	2	0	1	
Cygnus olor	170	125	132	70	90	90	113	
Cygnus columbianus	1	0	3	0	0	0	2	
Cygnus cygnus	411	190	660	365	425	570	437	
Anser fabalis	0	0	7	0	0	0	7	
Anser brachyrhynchus	0	0	0	0	1	0	1	
Anser anser	1230	1749	2115	3520	2150	1452	2036	
Branta canadensis	0	0	0	0	8	29	19	
Branta leucopsis	0	236	32	51	313	57	138	
Branta bernicla bernicla	199	300	219	246	225	420	268	
Branta bernicla hrota	0	2	22	6	78	71	36	
Tadorna tadorna	38	44	0	25	275	199	116	
Anas penelope	460	690	918	1400	911	775	859	
Anas strepera	0	0	0	0	4	0	4	
Anas crecca	86	317	480	125	563	320	315	
Anas platyrhynchos	2290	1485	1770	2158	2430	2260	2066	
Anas acuta	3	30	8	13	8	3	11	
Anas clypeata	3	4	11	3	11	4	6	
Aythya ferina	0	0	13	0	0	22	18	
Aythya fuligula	18	0	0	8	29	43	25	

Aythya marila	1100	18	1600	600	700	600	770	
Somateria mollissima	12000	5000	5500	3503	18159	4000	8027	*
Clangula hyemalis	15	0	0	0	3	0	9	*
Melanitta nigra	238	5	12	70	3197	11	589	*
Melanitta fusca	0	0	0	2	19	1	7	*
Bucephala clangula	864	600	1030	1060	1030	1460	1007	
Mergus albellus	0	8	8	0	0	25	14	
Mergus serrator	149	185	295	263	383	510	298	
Mergus merganser	11	14	66	21	25	150	48	
Haliaeetus albicilla	1	2	2	2	2	2	2	
Circus aeruginosus	0	0	0	0	3	0	3	
Circus cyaneus	2	1	3	2	2	3	2	
Pandion haliaetus	2	1	1	1	3	3	2	
Falco columbarius	0	0	1	1	0	1	1	
Falco peregrinus	1	2	1	1	2	2	2	
Fulica atra	300	195	355	130	38	110	188	
Haematopus ostralegus	149	40	0	30	330	78	125	
Recurvirostra avosetta	48	46	40	23	45	15	36	
Charadrius morinellus	0	0	1	0	0	0	1	
Pluvialis apricaria	5000	4500	10000	5212	8000	10700	7235	
Pluvialis squatarola	0	0	0	0	1	17	9	
Vanellus vanellus	0	0	0	80	1210	450	580	
Calidris canutus	227	30	55	33	101	52	83	
Calidris alba	3	0	0	1	1	0	2	
Calidris ferruginea	0	0	0	0	2	1	2	
Calidris alpina	4000	930	1465	1920	2350	1350	2003	
Philomachus pugnax	0	0	0	0	30	16	23	
Gallinago gallinago	0	0	0	0	7	4	6	
Limosa lapponica	3900	1700	3600	5000	5460	3110	3795	
Numenius arquata	88	57	110	60	542	346	201	
Tringa erythropus	0	0	0	0	1	0	1	
Tringa totanus	105	110	225	134	142	134	142	
Tringa nebularia	34	93	190	50	89	45	84	
Phalaropus lobatus	0	0	0	0	1	0	1	
Larus ridibundus	101	230	90	0	2	0	106	
Larus canus	122	330	40	0	0	0	164	
Larus argentatus	289	125	75	0	89	0	145	
Larus marinus	5	2	0	0	6	0	4	
Sterna sandvicensis	0	0	0	0	1	87	44	
Alca torda	0	0	0	57	2	0	30	
Sum of annual maxima	34214	19659	31578	26656	50038	30708		