

Taxonomic List

Noteworthy fauna:

The fjord area Løgstør Bredning is an important moulting refuge for diving ducks and a haul-out for seals.

Vejlerne is one of the most important strongholds for breeding waterbirds in Denmark, the only breeding site for Little Gull (*Larus minutus*) in Denmark, the most important breeding locality in Denmark for Grey-lag Goose (*Anser anser*), Bittern (*Botaurus stellaris*), Marsh Harrier (*Circus aeruginosus*), Spotted Crake (*Porzana porzana*), and Black Tern (*Chlidonias niger*). Kjeldsen (2008) gives a comprehensive review of the sites breeding birds for the period 1978-2003.

Breeding birds in Vejlerne are surveyed annually in a joint venture between the Aage V. Jensen Naturfond and DCE/Department of Bioscience.

The latest report from 2011 summarises the counts results and tabulate some of the species that are mapped annually (Kjeldsen & Nielsen 2011).

Breeding Species in pairs \ years	2001	2002	2003	2005	2006	2007	2008	2009	2010	2011	Note
<i>Botaurus stellaris</i>	156	222	170	162	138	144	170	114	61	57	
<i>Circus aeruginosus</i>	49	51,5	46	53	49	43	55	50	42	54	
<i>Recurvirostra avocetta</i>	685	340	166	218	299	74	189	71	15	25	B-E
<i>Vanellus vanellus</i>	401	399	391	251	273	293	303	381	297	281	B-E
<i>Calidris alpina schinzii</i>	77	69	68	46	54	60	51	55	63	52	
<i>Philomachus pugnax</i>	17	43	44	16	5	4	7	7	5	7	
<i>Limosa limosa</i>	198	198	212	128	145	155	163	123	106	116	
<i>Rødben</i>	304	450	415	229	229	235	192	321	230	274	B-E
<i>Rødben</i>	70	83	96	52	72	78	32	58	51	61	V-A
<i>Larus minutus</i>	3	3	4	1	2	2-4	2	2	1-2	2	
<i>Sterna hirundo</i>	40	39	53	32	45	57	35	53	45	57	
<i>Sterna paradisaea</i>	79	93	102	89	132	71	64	84	14	24	
<i>Chlidonias niger</i>	40	42	46	36	37	40	35	22	29	31	pairs
	28	5	7	31	15	31	0	11	0	11	juveniles fledged
<i>Porzana porzana</i>	56	72	110	9	19	16	5	2	4	13	
<i>Grus grus</i>	1	1	2	3	1-2	2	3	4-6	5	6	

Note: there were no counts made during 2004. Some commoner species are only counted in the most important parts of the area, B-E: Bygholm-engen and V-A: Vesløs-Arup Vejler. The decline in Bittern (*Botaurus stellaris*) numbers in recent years are most likely explained by a run a cold winters, which are known to impact Bitterns survival. Many of the waders had exceptionally high numbers breeding around 2000-2003 – most likely in response to an outbreak in sarcoptic mange, a disease which reduced the local fox (= main predator) population by 80%, hence improved breeding productivity of the waders. Numbers recorded in recent years are for most still high

compared to the 1980s.

The site has been known since the 1960s as being one of the most important staging and wintering area for waterbirds in Denmark.

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. Also note that counting intensity have been highest during 2008-2009.

Species \ Year	Annual Maxima						Average
	2004	2005	2006	2007	2008	2009	
<i>Tachybaptus ruficollis</i>	0	0	0	0	41	47	44
<i>Podiceps cristatus</i>	0	0	0	0	715	222	469
<i>Podiceps grisegena</i>	48	20	36	14	62	9	32
<i>Podiceps auritus</i>	0	1	0	2	5	2	3

<i>Podiceps nigricollis</i>	0	0	0	0	1	0	1
<i>Phalacrocorax carbo</i>	300	1500	530	1500	1188	1460	1080
<i>Botaurus stellaris</i>	0	0	0	0	33	26	30
<i>Ardea cinerea</i>	20	0	0	0	180	178	126
<i>Platalea leucorodia</i>	84	87	140	161	174	153	133
<i>Cygnus olor</i>	234	770	838	535	1621	1540	923
<i>Cygnus columbianus</i>	50	15	51	426	8	20	95
<i>Cygnus cygnus</i>	776	422	583	504	660	652	600
<i>Anser fabalis</i>	355	118	265	500	125	135	250
<i>Anser fabalis rossicus</i>	0	2	2	1	0	1	2
<i>Anser brachyrhynchus</i>	9800	6385	11224	10900	9980	9002	9549
<i>Anser albifrons albifrons</i>	0	0	511	0	59	49	206
<i>Anser erythropus</i>	0	0	1	0	2	1	1
<i>Anser anser</i>	4298	8826	3790	4337	6999	16627	7480
<i>Branta canadensis</i>	51	295	26	187	242	107	151
<i>Branta leucopsis</i>	700	1212	1500	3000	3760	7752	2987
<i>Branta bernicla bernicla</i>	3	12	2	10	30	50	18
<i>Branta bernicla hrota</i>	300	92	67	128	177	261	171
<i>Alopochen aegyptiacus</i>	0	0	0	0	2	0	2
<i>Tadorna ferruginea</i>	0	0	0	0	0	1	1
<i>Tadorna tadorna</i>	17	0	0	0	568	311	299
<i>Anas penelope</i>	2700	2697	9200	2280	13789	5385	6009
<i>Anas strepera</i>	158	183	107	257	362	574	274
<i>Anas crecca</i>	6520	5388	7250	7060	9451	6841	7085
<i>Anas platyrhynchos</i>	3348	3380	1500	2750	3336	3840	3026
<i>Anas acuta</i>	145	226	85	529	536	315	306
<i>Anas querquedula</i>	0	0	0	0	6	24	15
<i>Anas clypeata</i>	323	282	315	268	250	315	292
<i>Aythya ferina</i>	290	124	935	557	666	428	500
<i>Aythya fuligula</i>	470	288	291	560	2500	744	809
<i>Aythya marila</i>	12	3	5	55	42	34	25
<i>Somateria mollissima</i>	3	0	0	2	22	2	7
<i>Clangula hyemalis</i>	0	0	0	0	3	0	3
<i>Melanitta nigra</i>	1	2	1	1	1	1	1
<i>Melanitta fusca</i>	1	0	1	0	0	0	1
<i>Bucephala clangula</i>	2100	1610	1658	861	3500	2100	1972
<i>Mergus albellus</i>	58	54	51	37	55	40	49
<i>Mergus serrator</i>	1960	1400	135	2000	2416	382	1382
<i>Mergus merganser</i>	384	468	124	631	512	268	398

<i>Haliaeetus albicilla</i>	1	2	3	3	5	5	3
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<i>Circus aeruginosus</i>	0	0	0	0	32	30	31
<i>Circus cyaneus</i>	6	7	11	10	13	11	10
<i>Accipiter gentilis</i>	0	0	0	0	3	1	2
<i>Accipiter nisus</i>	0	0	0	0	2	2	2
<i>Buteo buteo</i>	0	0	0	0	34	38	36
<i>Buteo lagopus</i>	0	0	0	0	1	0	1
<i>Pandion haliaetus</i>	3	3	3	3	3	3	3
<i>Falco tinnunculus</i>	0	0	0	0	10	6	8
<i>Falco vespertinus</i>	0	1	0	0	0	0	1
<i>Falco columbarius</i>	2	3	2	1	2	1	2
<i>Falco rusticolus</i>	0	0	0	0	0	1	1
<i>Falco peregrinus</i>	5	4	5	4	6	4	5
<i>Rallus aquaticus</i>	0	0	0	0	15	10	13
<i>Gallinula chloropus</i>	0	0	0	0	3	3	3
<i>Fulica atra</i>	540	1550	685	1113	4000	4488	2063
<i>Grus grus</i>	0	0	0	0	104	142	123
<i>Haematopus ostralegus</i>	0	0	0	0	77	76	77
<i>Recurvirostra avosetta</i>	574	780	714	465	948	583	677
<i>Charadrius dubius</i>	0	0	0	0	2	0	2
<i>Charadrius hiaticula</i>	0	0	0	0	26	45	36
<i>Charadrius morinellus</i>	29	0	2	54	7	26	24
<i>Pluvialis apricaria</i>	14860	7650	13000	7740	23400	18510	14193
<i>Pluvialis squatarola</i>	0	0	0	0	21	11	16
<i>Vanellus vanellus</i>	3	0	0	0	4480	5868	3450
<i>Calidris canutus</i>	29	24	17	5	10	49	22
<i>Calidris alba</i>	2	0	0	0	1	3	2
<i>Calidris minuta</i>	0	0	0	0	2	1	2
<i>Calidris temminckii</i>	0	0	0	0	0	1	1
<i>Calidris ferruginea</i>	0	0	0	0	1	16	9
<i>Calidris alpina</i>	400	550	470	1520	1046	960	824
<i>Philomachus pugnax</i>	0	0	0	0	464	384	424
<i>Gallinago gallinago</i>	0	0	0	0	219	132	176
<i>Gallinago media</i>	0	0	0	1	0	0	1
<i>Limosa limosa</i>	0	0	0	0	42	37	40
<i>Limosa limosa islandica</i>	0	0	0	0	13	1	7
<i>Limosa lapponica</i>	6	40	292	64	30	64	83
<i>Numenius phaeopus</i>	0	0	0	0	24	4	14
<i>Numenius arquata</i>	1	0	0	0	116	113	77
<i>Tringa erythropus</i>	0	0	0	0	95	52	74

<i>Tringa totanus</i>	79	105	208	110	47	167	119
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<i>Tringa nebularia</i>	97	125	110	46	84	60	87
<i>Tringa ochropus</i>	0	0	0	0	3	11	7
<i>Tringa glareola</i>	0	0	0	0	193	13	103
<i>Actitis hypoleucos</i>	0	0	0	0	13	13	13
<i>Arenaria interpres</i>	0	0	0	0	11	0	11
<i>Phalaropus lobatus</i>	2	2	2	2	1	1	2
<i>Larus minutus</i>	0	0	0	0	54	23	39
<i>Larus ridibundus</i>	0	0	0	0	620	1720	1170
<i>Larus canus</i>	0	0	0	0	190	0	190
<i>Larus argentatus</i>	0	0	0	0	390	0	390
<i>Larus marinus</i>	0	0	0	0	10	0	10
<i>Rissa tridactyla</i>	0	0	0	0	1	1	1
<i>Sterna caspia</i>	0	1	1	3	3	1	2
<i>Sterna sandvicensis</i>	0	0	0	0	2	0	2
<i>Sterna hirundo</i>	0	0	0	0	32	49	41
<i>Sterna paradisaea</i>	0	0	0	0	16	43	30
<i>Sterna albifrons</i>	0	0	0	0	2	0	2
<i>Chlidonias niger</i>	0	0	0	0	22	16	19
<i>Alca torda</i>	2	1	0	0	0	0	2
Sum of annual maxima	52150	46710	56749	51197	101038	93710	