

LIST OF THREATENED GRASSHOPPERS OF THE WADDEN SEA AREA

	Red List (trilateral)	Status of threat in subregions of the Wadden Sea Area		
		NL	Nds+SH	DK ¹
<i>Chorthippus biguttulus</i> (Linne, 1758)	CR	CR	SU	-
<i>Chorthippus dorsatus</i> (Zetterstedt, 1821)	EN	-	EN	-
<i>Chorthippus mollis</i> (Charpentier, 1825)	SU	-	SU	-
<i>Chorthippus parallelus</i> (Zetterstedt, 1821)	SU	-	SU	-
<i>Decticus verrucivorus</i> (Linne, 1758)	CR	-	CR	-
<i>Metrioptera brachyptera</i> (Linne, 1761)	VU	-	VU	-
<i>Metrioptera roeselii</i> (Hagenbach, 1822)	VU	-	VU	-
<i>Oedipoda caerulea</i> (Linne, 1758)	SU	SU	-	-
<i>Omocestus rufipes</i> (Zetterstedt, 1821)	EN	-	EN	-
<i>Omocestus viridulus</i> (Linne, 1758)	VU	VU	SU	*
<i>Platycleis albopunctata</i> (Goeze, 1778)	SU	SU	-	-
<i>Pholidoptera griseoaptera</i> (Degeer, 1773)	SU	-	SU	-
<i>Tetrix ceperoi</i> (Bolivar, 1887)	EN	SU	EN	-
<i>Tetrix subulata</i> (Linne, 1761)	EN	CR	EN	*
<i>Tetrix undulata</i> (Sowerby, 1806)	*	*	SU	*

¹ The only Danish data available originate from 1969.

Status of threat:

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For more detailed descriptions see the general introduction to the Red Lists.

LIST OF THREATENED SPIDERS (ARANEAE)
OF THE WADDEN SEA AREA

	Red List (trilateral)	Status of threat in the subregions of the Wadden Sea Area		
		NL	Nds+SH	DK
Agelenidae				
<i>Tegenaria agrestis</i> (Walckenaer 1802)	VU	-	VU	(*)
Araneidae				
<i>Agalenatea redii</i> (Scopoli 1763)	CR	-	CR	(*)
<i>Hypsosinga albovittata</i> (Westring 1851)	SU	-	SU	-(?)
Argyronetidae				
<i>Argyroneta aquatica</i> (Clerck 1757)	CR?	CR	?	- *
Clubionidae				
<i>Cheiracanthium oncognathum</i> Thorell 1871	EN	-	EN	-(?)
<i>Clubiona genevensis</i> L. Koch 1866	VU	SU	VU	(*)
Dictynidae				
<i>Argenna patula</i> (Simon 1874)	VU	VU	SU	(*)
<i>Argenna subnigra</i> (Cambridge 1861)	VU	VU	SU	SU
<i>Dictyna latens</i> (Fabricius 1775)	VU	VU	EN	-(?)
Gnaphosidae				
<i>Haplodrassus dalmatensis</i> (L. Koch 1866)	SU	SU	SU	-(?)
<i>Micaria lenzi</i> Bösenberg 1899	EN	-	EN	-(?)
<i>Zelotes longipes</i> (L. Koch 1866)	*	*	SU	(*)
Hahniidae				
<i>Antistea elegans</i> (Blackwall 1841)	VU?	VU	?	*
Linyphiidae				
<i>Acartauchenius scurrilis</i> (Cambridge 1872)	VU	-	VU	(*)
<i>Allomengea scopigera</i> (Grube 1859)	VU	VU	SU	*
<i>Allomengea vidua</i> (L. Koch 1879)	VU	-	VU	*
<i>Baryphyma duffeyi</i>	*	(*)	*	VU
<i>Baryphyma maritimum</i> (Crocker & Parker 1970)	VU	VU	EN	(*)
<i>Ceratinopsis romana</i> (Cambridge 1872)	EN	SU	EN	-(?)
<i>Ceratinopsis stativa</i> (Simon 1881)	VU	VU	VU	-(?)

* According to the Danish scientists, this species is not indigenous to the Wadden Sea area.

<i>Halorates distinctus</i>	SU?	(*)	(*)	SU
<i>Kaestneria pullata</i> (Cambridge 1863)	VU	*	VU	(*)
<i>Metopobactrus prominulus</i> (Cambridge 1872)	VU	SU	VU	-(?)
<i>Micrargus subaequalis</i> (Westring 1851)	SU	-	SU	(*)
<i>Microlinyphia impigra</i> (Cambridge 1871)	EN	-	EN	(*)
<i>Mioxena blanda</i> (Simon 1884)	SU?	-	SU	?
<i>Parapelecopsis nemoraloides</i> (Cambridge 1884)	VU?	?	VU	(*)
<i>Peponocranium ludicrum</i> (Cambridge 1861)	VU	SU	SU	VU
<i>Porrhomma campbelli</i> F. Cambridge 1894	VU	-	VU	(*)
<i>Porrhomma oblitum</i> (Cambridge 1871)	VU	-	VU	(*)
<i>Prinerigone vagans</i> (Audouin 1826)	VU	-	SU	VU
<i>Trichoncus hackmani</i> Millidge 1955	EN	-	EN	(*)
<i>Trichopterna cito</i> (Cambridge 1872)	VU	-	VU	(*)
<i>Walckenaeria kochi</i> (Cambridge 1872)	VU	VU	VU	*
<i>Walckenaeria stylifrons</i> (Cambridge 1875)	EN	-	EN	-(?)
<i>Walckenaeria vigilax</i> (Blackwall 1853)	*	-	SU	*
Liocranidae				
<i>Phrurolithus minimus</i> C.L. Koch 1839	EN	-	EN	-(?)
Lycosidae				
<i>Alopecosa barbipes</i> (Sundevall 1833)	VU	*	VU	(*)
<i>Alopecosa cursor</i> (Hahn 1831)	EN	-	EN	EN
<i>Alopecosa fabrilis</i> (Clerck 1757)	VU	*	VU	(*)
<i>Arctosa perita</i> (Latreille 1799)	*	*	SU	VU
<i>Pirata piscatorius</i> (Clerck 1757)	CR	-	CR	(*)
<i>Trochosa spinipalpis</i> (Cambridge 1895)	VU	VU	VU	(*)
Philodromidae				
<i>Philodromus praedatus</i> Cambridge 1871	EN	-	EN	(*)
<i>Tibellus maritimus</i> (Menge 1875)	*	*	SU	(*)
Salticidae				
<i>Marpissa nivoyi</i> (Lucas 1846)	VU?	*	EN	?
<i>Sitticus distinguendus</i> (Simon 1868)	VU	-	VU	-(?)
<i>Sitticus saltator</i> (Cambridge 1868)	VU	SU	VU	-(?)
Theridiidae				
<i>Enoplognatha mordax</i> (Thorell 1875)	VU	-	VU	-(?)
<i>Robertus arundineti</i> (Cambridge 1871)	VU	-	VU	(*)

Thomisidae				
<i>Ozyptila atomaria</i> (Panzer 1801)	EN	VU	EN	(*)
<i>Ozyptila nigrita</i> (Thorell 1875)	EN	-	EN	-(?)
<i>Ozyptila scabricola</i> (Westring 1851)	EN	-	EN	(*)
<i>Ozyptila westringi</i> Thorell 1873	EN	-	EN	(*)
<i>Xysticus erraticus</i> (Blackwall 1834)	VU	*	EN	(*)

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LIST OF THREATENED AMPHIBIANS AND

REPTILES OF THE WADDEN SEA AREA

		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area			
				NL	Nds	SH	DK
AMPHIBIANS							
<i>Bufo bufo</i> (Linnaeus 1758)	Gewone Pad Erdkröte Skrutudse	*		*	-	-	SU
<i>Bufo calamita</i> (Laurenti 1768)	Rugstreeppad Kreuzkröte Strandtudse	VU	HAB, DIS? WAT	*	VU	VU	SU
<i>Rana arvalis</i> Nilsson 1842	Heikikker Moorfrosch Spidssnudet frø	VU?	HAB, EUT	VU	?	VU	SU
<i>Pelobates fuscus</i> (Laurenti 1768)	Knoflookpad Knoblauchkröte Løgfrø	EN	FOR, WAT	-	-	-	EN
<i>Rana esculenta</i> Linnaeus 1758	Middel. Groene Kikker Teichfrosch Grøn frø	SU		-	SU	-	SU
<i>Rana ridibunda</i> Pallas 1771	Meerkikker Seefrosch Latterfrø	SU		-	SU	-	-
<i>Rana temporaria</i> (Linnaeus 1758)	Bruine Kikker Grasfrosch Butsnudet frø	VU	HAB, WAT	*	VU	VU	SU
<i>Triturus vulgaris</i> (Linnaeus 1758)	Kleine Watersalamander Teichmolch Lille vandsalamander	VU?		*	?	EN	?
REPTILES							
<i>Lacerta agilis</i> Linnaeus 1758	Zandhagedis Zauneidechse Markfirben	VU	HAB, DIS?	EN	VU	VU	*
<i>Lacerta vivipara</i> Jacquin 1787	Levendbarende Hagedis Waldeidechse Almindeligt firben	VU	HAB, DIS?	EN	VU	VU	*
<i>Natrix natrix</i> (Linnaeus 1758)	Ringslang Ringelnatter Snog	EX?	WAT	-	-	-	EX?
<i>Vipera berus</i> (Linnaeus 1758)	Adder Kreuzotter Hugorm	VU	HAB, DIS	-	-	-	VU

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Threats:

AFF= afforestation; AGR= agriculture; CLI= climatic change; DIS= disturbance; EUT= eutrophication; EXL= exploitation of living resources; EXM= mineral exploitation; FOR= forestry; HAB= loss of habitat; PAR= parasites; POL= pollution; WAT= water regulation.

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		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area		
				NL	Nds/SH	DK
Agnatha						
<i>Lampetra fluviatilis</i> (Linnaeus, 1758)	Rivierprik Flußneunauge Flodlampret	EN	WAT, POL, EUT, EXL?	VU	EN	VU
<i>Petromyzon marinus</i> Linnaeus, 1758	Zeeprik Meerneunauge Havlampret	EN	WAT, POL, EUT, EXL?	VU	EN	VU
Chondrichthyes						
<i>Dasyatis pastinaca</i> (Linnaeus, 1758)	Pijlstaartrog Stechrochen Pilrokke	CR	EXL	CR	EX	(*)
<i>Raja clavata</i> Linnaeus, 1758	Stekelrog Nagelrochen Sømrrokke	CR	EXL	EN	EX	*
Osteichthyes						
<i>Acipenser sturio</i> Linnaeus, 1758	Steur Stör Stør	EX	WAT, POL, EXL	EX	EX	EX (since 1942)
<i>Alosa alosa</i> (Linnaeus, 1758)	Elft Alse, Maifisch Majsild	CR	WAT, POL, EUT	CR	CR	CR
<i>Alosa fallax</i> (Lacepède, 1803)	Fint Finte Stavsild	VU	WAT, POL, EUT	VU	VU	VU
<i>Atherina presbyter</i> Cuvier 1829	Koornaarvis Ährenfisch Stribefisk	SU?	WAT	SU	-	(*)
<i>Coregonus lavaretus oxy- rhinchus</i> (Linnaeus, 1758) = <i>C. oxyrhinchus</i>	Houting Schnäpel Snæbel	CR/EX*	WAT, POL, EUT, EXL?	EX	EX	SU*
<i>Echiichthys vipera</i>	Kleine Pieterman	EN?		EN	-	(*)

* According to Danish scientists and authorities, the species reintroduced into the Danish Wadden Sea area is *Coregonus oxyrhinchus*, identical to *C. lavaretus oxyrhynchus*. The German experts do not agree to this, and a final agreement among the scientists must be left to the future.

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				NL	Nds/SH	DK
(Cuvier, 1829)	Kl. Petermännchen Lille fjæsing					
<i>Entelurus aequoreus</i> (Linnaeus, 1758)	Adderzeenaald Große Schlangennadel Snippe	*	HAB	*	SU	*

<i>Eutrigla gurnardus</i> (Linnaeus, 1758)	Grauwe poon Grauer Knurrhahn Grå knurhane	VU	EXL	*	VU	?
<i>Liparis liparis</i> (Linnaeus, 1758)	Slakdolf Großer Scheibenbauch Finnebræmmet ringbug	VU		*	VU	?
<i>Liparis montagui</i> (Donovan, 1804)	Kleine slakdolf Kleiner Scheibenbauch Særfinnet ringbug	VU		-	VU	?
<i>Salmo salar</i> Linnaeus, 1758	Zalm Lachs Laks	CR	WAT, EUT, EXL, POL?	EX	CR	EX*
<i>Salmo trutta trutta</i> Linnaeus, 1758	Zeeforel Meerforelle Ørred	EN	WAT, EUT?, EXL, POL?	SU	EN	VU
<i>Spinachia spinachia</i> (Linnaeus 1758)	Zeestekelbaars Seestichling Tangsnarre	VU	HAB	EX	VU	*
<i>Syngnathus acus</i> Linnaeus, 1758	Grote Zeenaald Große Seenadel Stor tangnål	VU	HAB	*	EN	?
<i>Syngnathus typhle</i> Linnaeus, 1758	Trompetterzeenaald Grasnadel Almindelig tangnål	EN?	HAB	EX	EN?	*
<i>Trachinus draco</i> Linnaeus, 1758	Grote Pieterman Großes Petermännchen Fjæsing	EX?	EXL?	EX	EX	(*)

* The salmon stocks now populating the Danish rivers and streams originate from strains bred in fish farms, and they are genetically different from the original stocks.

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LIST OF THREATENED MARINE MAMMALS OF THE WADDEN SEA

		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area			
				NL	Nds	SH	DK
SEALS							
Common seal <i>Phoca vitulina</i> Linnaeus, 1758	Gewone zeehond Seehund Spættet sæl	VU	DIS, POL, CLI, HAB, WAT, PAR	VU	VU	VU	VU?
Grey seal <i>Halichoreus grypus</i> (Fabricius, 1791)	Grijze zeehond Kegelrobbe Gråsæl	CR	DIS, EXL, POL, CLI, HAB, WAT, PAR	SU	CR*	CR	CR*
CETACEANS							
Harbour porpoise <i>Phocoena phocoena</i> (Linnaeus, 1758)	Bruinvis Schweinswal Marsvin	CR	EXL, POL, PAR, DIS	CR	CR	EN	EN
Bottlenose dolphin <i>Tursiops truncatus</i> (Montagu, 1821)	Tuimelaar Großer Tümmler Øresvin	CR*	EXL, POL, DIS	EX	CR	EX	(*)

* According to the small cetacean survey of 1994 (SCANS) probably disappeared from the entire area.

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Threats:

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LIST OF THREATENED BIRDS OF THE WADDEN SEA AREA¹

		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area			
				NL	Nds	SH	DK
Red-throated Diver <i>Gavia stellata</i>	Roodkeelduiker Sterntaucher Rodstrubet Lom						
		IRM		IRM	IRM	IRM	IRM
Black-throated Diver <i>Gavia arctica</i>	Parelduiker Prachtaucher Sortstrubet Lom						
		IRM		IRM	IRM	IRM	IRM
Little Grebe <i>Tachybaptus ruficollis</i>	Dodaars Zwergtaucher Lille Lappedykker			EN	(-)	(-)	(-)
Black-necked Grebe <i>Podiceps nigricollis</i>	Geoorde Fuut Schwarzhalstaucher Sorthalset Lappedykker			CR	(-)	(-)	(-)
Great Cormorant <i>Phalacrocorax carbo sinensis</i>	Aalscholver Kormoran Skarv	*		SU	*	-	SU
		IRM		IRM	IRM	IRM	IRM
Great Bittern <i>Botaurus stellaris</i>	Roerdomp Rohrdommel			CR	(-)	(-)	(-)

¹ For each bird species, there are two rows: the first one gives the status of threat for breeding birds, the second one the importance of the area for migratory species.

In the first row, statements are only made if the species concerned is threatened or extinct in at least one of the four subregions, or if this species fulfills the criteria of 'International responsibility for resident species'. In the second row, statements are only made if the species concerned fulfill the criteria of 'International responsibility for migratory species'.

Some species are threatened in the Dutch part of the Wadden Sea area and may occur as breeding birds in the German and Danish parts but do not breed there in typical coastal habitats of natural origin. For them no trilateral status of threat is given.

		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area			
				NL	Nds	SH	DK
	Rordrum						
Eurasian Spoonbill <i>Platalea leucorodia</i>	Lepelaar Löffler Skestork	SU, IRR	POL	SU, IRR	-	-	-
Pink-footed Goose <i>Anser brachyrhynchus</i>	Kleine Rietgans Kurzschnabelgans Kortnæbbet Gås						
		IRM		+	+	+	IRM
Greylag Goose <i>Anser anser</i>	Grauwe Gans Graugans Grågås						
		IRM		IRM	IRM	+	+
Barnacle Goose <i>Branta leucopsis</i>	Brandgans Nonnengans Bramgås						
		IRM		IRM	IRM	IRM	IRM
Dark-bellied Brent Goose <i>Branta bernicla b.</i>	Rotgans Dunkelb. Ringelgans Morkbuget Knortegås						
		IRM		IRM	IRM	IRM	IRM
Light-bellied Brent Goose <i>Branta bernicla hrota</i>	Witbuikrotgans Hellb. Ringelgans Lysbuget Knortegås						
		IRM		+	+	+	IRM
Common Shelduck <i>Tadorna tadorna</i>	Bergeend Brandgans Gravand	* , IRR		*	*	*	*
		IRM		IRM	IRM	IRM	IRM
Eurasian Wigeon <i>Anas penelope</i>	Smient Pfeifente Pibeand						
		IRM		IRM	IRM	IRM	IRM
Common Teal <i>Anas crecca</i>	Wintertaling Krickente Krikand						
		IRM		IRM	IRM	IRM	IRM
Mallard <i>Anas platyrhynchos</i>	Wilde Eend Stockente Gråand						
		IRM		IRM	IRM	IRM	IRM
Northern Pintail <i>Anas acuta</i>	Pijlstaart Spießente Spidsand	SU	EXL, AGR, DIS	CR	CR	SU	SU
		IRM		IRM	IRM	IRM	IRM

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				NL	Nds	SH	DK
Garganey <i>Anas querquedula</i>	Zomertaling Knäkente Atlingand			CR	(-)	(-)	(-)
Northern Shoveler <i>Anas clypeata</i>	Slobeend Löffelente Skeand						
		IRM		IRM	IRM	IRM	IRM
Greater Scaup <i>Aythya marila</i>	Toppereend Bergente Bjergand						
		IRM		IRM	+	+	+
Common Eider <i>Somateria mollissima mollissima</i>	Eidereend Eiderente Ederfugl	*		*	*	SU	SU
		IRM		IRM	IRM	IRM	IRM
Common Scoter <i>Melanitta nigra</i>	Zwarte Zeeëend Trauerente Sortand						
		IRM		IRM	IRM	IRM	IRM
Common Goldeneye <i>Bucephala clangula</i>	Brilduiker Schellente Hvinand						
		IRM		IRM	+	+	+
Red-breasted Merganser <i>Mergus serrator</i>	Middelste Zaagbek Mittelsäger Toppet Skallesluger	VU	DIS	-	EN	VU	VU
		IRM		IRM	+	+	+
Hen Harrier <i>Circus cyaneus</i>	Blauwe Kiekendief Kornweihe Blå Kærhog	*, IRR		*	EN	CR	*
Montagu's Harrier <i>Circus pygargus</i>	Grauwe Kiekendief Wiesenweihe Hedehog	CR	AGR, HAB, DIS, PAR	CR	CR	(-)	CR
Water Rail <i>Rallus aquaticus</i>	Waterral Wasserralle Vandrikse			EN	(-)	(-)	(-)
Spotted Crake <i>Porzana porzana</i>	Porseleinhoen Tüpfelsumpfhuhn Plettet Rorvagt			CR	(-)	(-)	(-)
Oystercatcher <i>Haematopus ostralegus</i>	Scholekster Austernfischer Strandskade	*, IRR		IRR	*	IRR	*

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				NL	Nds	SH	DK
		IRM		IRM	IRM	IRM	IRM
Avocet <i>Recurvirostra avosetta</i>	Kluut Säbelschnäbler Klyde	IRR		IRR	IRR	IRR	IRR
		IRM		IRM	IRM	IRM	IRM
Great Ringed Plover <i>Charadrius hiaticula</i>	Bontbekplevier Sandregenpfeifer Stor Præstekrave	VU, IRR	HAB, DIS	EN	*	SU, IRR	VU
		IRM		IRM	IRM	IRM	IRM
Kentish Plover <i>Charadrius alexandrinus</i>	Strandplevier Seeregenpfeifer Hvidbrystet Præste- krave	EN, IRR	HAB, DIS, WAT, CLI	CR	CR, IRR	EN, IRR	CR
		IRM		IRM	+	+	+
European Golden Plover <i>Pluvialis apricaria</i>	Goudplevier Goldregenpfeifer Hjejle						
		IRM		IRM	IRM	IRM	IRM
Grey Plover <i>Pluvialis squatarola</i>	Zilverplevier Kiebitzregenpfeifer Strandhjejle						
		IRM		IRM	IRM	IRM	IRM
Northern Lapwing <i>Vanellus vanellus</i>	Kievit Kiebitz Vibe	*		*	VU	*	*
		IRM		IRM	IRM	IRM	IRM
Red Knot <i>Calidris canutus</i>	Kanoetstrandloper Knut Islandsk Ryle						
(<i>C.c.canutus</i>)		IRM		IRM	IRM	IRM	IRM
(<i>C.c.islandica</i>)		IRM		IRM	IRM	IRM	IRM
Sanderling <i>Calidris alba</i>	Drieteenstrandloper Sanderling Sandloper						
		IRM		IRM	IRM	IRM	IRM
Curlew Sandpiper <i>Calidris ferruginea</i>	Krombekstrandloper Sichelstrandläufer Krumnæbbet Ryle						
		IRM		IRM	+	IRM	+
Dunlin <i>Calidris alpina</i>	Bonte Strandloper Alpenstrandläufer Almindelig Ryle	CR	HAB, DIS, AGR, WAT	EX (1970)	EX	CR	EN
(<i>C.a.schinzii</i>) only baltic population		IRM		?	?	IRM	?
(<i>C.a.alpina</i>)		IRM		IRM	IRM	IRM	IRM
Ruff	Kemphaan	CR	HAB, AGR	CR	CR	CR	CR

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				NL	Nds	SH	DK
<i>Philomachus pugnax</i>	Kampfläufer Brushane	IRM					
				+	+	+	+
Common Snipe <i>Gallinago gallinago</i>	Watersnip Bekassine Dobbeltbekkasin			EN	(-)	(-)	(-)
Black-tailed Godwit <i>Limosa limosa</i>	Grutto Uferschnepfe Stor Kobbersneppe	VU	HAB, AGR	EN	(-)	(-)	SU
Bar-tailed Godwit <i>Limosa lapponica</i>	Rosse Grutto Pfuhlschnepfe Lille Kobbersneppe						
		IRM		IRM	IRM	IRM	IRM
Whimbrel <i>Numenius phaeopus</i>	Regenwulp Regenbrachvogel Lille Regnspove						
		IRM		+	+	IRM	+
Eurasian Curlew <i>Numenius arquata</i>	Wulp Großer Brachvogel Stor Regnspove	*		*	(-)	(-)	SU
		IRM		IRM	IRM	IRM	IRM
Spotted Redshank <i>Tringa erythropus</i>	Zwarte Ruiter Dunkler Wasserläufer Sortklire						
		IRM		IRM	IRM	IRM	IRM
Common Redshank <i>Tringa totanus totanus</i>	Tureluur Rotschenkel Rodben	VU, IRR	HAB, AGR	SU	VU	VU	*
		IRM		IRM	IRM	IRM	IRM
<i>Tringa totanus robusta</i>		IRM		IRM	IRM	IRM	IRM
Common Greenshank <i>Tringa nebularia</i>	Groenpootruiter Grünschenkel Hvidklire						
		IRM		IRM	IRM	IRM	IRM
Common Sandpiper <i>Actitis hypoleucos</i>	Oeverloper Flußuferläufer Mudderklire						
		IRM		+	+	+	+
Turnstone <i>Arenaria interpres</i>	Steenloper Steinwölzer Stenvender	CR	DIS	-	-	CR	CR
		IRM		IRM	IRM	IRM	+
Little Gull <i>Larus minutus</i>	Dwergmeeuw Zwergmöwe Dværgmåge	SU	DIS	-	-	SU	SU

		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area			
				NL	Nds	SH	DK
		IRM		IRM	IRM	IRM	+
Black-headed Gull <i>Larus ridibundus</i>	Kokmeeuw Lachmöwe Hættemåge	*, IRR		*	*	*	*
		IRM		IRM	IRM	IRM	IRM
Common Gull <i>Larus canus</i>	Stormmeeuw Sturmmöwe Stormmåge						
		IRM		IRM	IRM	IRM	IRM
Lesser Black-backed Gull <i>Larus fuscus</i>	Kleine Mantelmeeuw Heringsmöwe Sildemåge	*, IRR		IRR	*	*	*
Herring Gull <i>Larus argentatus</i>	Zilvermeeuw Silbermöwe Solvmmåge	*, IRR		*	*	*	*
		IRM		IRM	IRM	IRM	IRM
Great Black-backed Gull <i>Larus marinus</i>	Grote Mantelmeeuw Mantelmöwe Svartbag						
		IRM		+	+	+	+
Gull-billed Tern <i>Gelochelidon nilotica</i>	Lachstern Lachseeschwalbe Sandterne	CR, IRR	EXL, AGR, DIS	-	CR, IRR	CR, IRR	CR, IRR
Caspian Tern <i>Sterna caspia</i>	Reuzenstern Raubseeschwalbe Rovterne	EX	DIS	-	-	EX (1928)	EX (1918)
Sandwich Tern <i>Sterna sandvicensis</i>	Grote Stern Brandseeschwalbe Splitterne	EN, IRR	HAB, POL, DIS	VU, IRR	EN, IRR	EN, IRR	CR
		IRM		IRM	IRM	IRM	IRM
Roseate Tern <i>Sterna dougallii</i>	Dougalls Stern Rosenseeschwalbe Dougallsterne	EX	DIS, EXL	-	-	EX (19th Cent.)	-
Common Tern <i>Sterna hirundo</i>	Visdief Flußseeschwalbe Fjordterne	VU, IRR	HAB, POL, DIS	VU, IRR	VU, IRR	EN, IRR	VU
		IRM		IRM	IRM	IRM	IRM
Arctic Tern <i>Sterna paradisaea</i>	Noordse Stern Küstenseeschwalbe Havterne	VU	HAB, POL, DIS	EN	EN	VU	VU
Little Tern <i>Sterna albigula</i>	Dwergstern Zwergseeschwalbe	EN, IRR	HAB, POL,	EN	CR, IRR	EN, IRR	EN

		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area			
				NL	Nds	SH	DK
	Dværgterne		DIS, PAR				
		IRM		IRM	IRM	+	+
Black Tern <i>Chlidonias niger</i>	Zwarte stern Trauerseeschwalbe Sortterne						
		IRM		IRM	+	+	+
Short-eared Owl <i>Asio flammeus</i>	Velduil Sumpfohreule Mosehornugle	EN	HAB, DIS	EN	VU	EN	CR
Nightjar <i>Caprimulgus europaeus</i>	Nachtzwaluw Ziegenmelker Natravn	EX ?	HAB, CLI	EX (1900)	-	-	?
Horned Lark <i>Eremophila alpestris</i>	Strandleeuwerik Ohrenlerche Bjerglærke						
		IRM ? *		IRM ?	IRM ?	IRM ?	IRM ?
Tawny Pipit <i>Anthus campestris</i>	Duinpieper Brachpieper Markpiber	EX	HAB, CLI	EX (1935)	-	-	-
Whinchat <i>Saxicola rubetra</i>	Paapje Braunkehlchen Bynkefugl			CR	(-)	(-)	(-)
Stonechat <i>Saxicola torquata</i>	Roodborsttapuit Schwarzkehlchen Sortstrubet Bynkefugl	SU	HAB	SU	(-)	-	SU
Wheatear <i>Oenanthe oenanthe</i>	Tapuit Steinschmätzer Stenpikker			VU	(-)	(-)	(-)
Sedge Warbler <i>Acrocephalus schoenobaenus</i>	Rietzanger Schilfrohrsänger Sivsanger			VU	(-)	(-)	(-)
Great Reed Warbler <i>Acrocephalus arundinaceus</i>	Grote Karekiet Drosselrohrsänger Drosselrorsanger			CR	-	(-)	-
Bearded Tit <i>Panurus biarmicus</i>	Baardmees Bartmeise Skægmejse			EN	(-)	(-)	(-)

		Red List (trilateral)	Threats	Status of threat in the subregions of the Wadden Sea Area			
				NL	Nds	SH	DK
Red-backed Shrike <i>Lanius collurio</i>	Grauwe Klauwier Rotrückenwürger/Neun- töter Rodrygget Tornskade			EN	(-)	(-)	(-)
Twite <i>Carduelis flavirostris</i>	Frater Berghänfling Bjergirisk						
		IRM?*		IRM ?	IRM ?	IRM ?	IRM ?
Snow Bunting <i>Plectrophenax nivalis</i>	Sneeuwgorst Schneeammer Snespurv						
		IRM?*		IRM ?	IRM ?	IRM ?	IRM ?
Yellowhammer <i>Emberiza citrinella</i>	Geelgorst Goldammer Gulspurv			EX (1986)	(-)	(-)	(-)

* Lack of reliable information in general, therefore only preliminary evaluations are given.

Legend

Categories regarding the status of threat (see definition in the general introduction):

EX: extinct;

CR: critical;

EN: endangered;

VU: vulnerable;

SU: susceptible;

IR: international responsibility:

IRR: for resident species: number of breeding birds: at least 5% of the north-west-European breeding population;

IRM: for migratory species: number of migrating birds: at least 1% of the biogeographical population uses the Wadden Sea area during migration, wintering and summering.

Additional symbols concerning breeding status:

-: species is not a breeding bird in this subregion of the Wadden Sea; however, the species may occur as a winter or summer visitor or as a migrant;

(-): species is not considered for this subregion of the Wadden Sea, because its main distribution lies outside the considered area of the Wadden Sea due to the fact that:

- species occurs in adjacent freshwater marsh areas behind the dikes and occasionally occurs in smaller numbers in the area considered, or
- species occurs in freshwater or terrestrial habitats on the Wadden Sea islands;

*: species is not endangered as a breeding bird in this subregion of the Wadden Sea and is not an established newcomer;

?: status of the species is not known in this subregion of the Wadden Sea.

Additional symbols concerning migratory status:

+: number of migrating birds: less than 1% of the biogeographical population uses the Wadden Sea area during migration, wintering and/or summering;

?: status is not known in this subregion of the Wadden Sea.

Symbols concerning threats:

AFF= afforestation; AGR= agriculture; CLI= climatic change; DIS= disturbance; EUT= eutrophication; EXL= exploitation of living resources; EXM= mineral exploitation; FOR= forestry; HAB= loss of habitat; PAR= parasites; POL= pollution; WAT= water regulation.

For more detailed descriptions see the general introduction to the Red Lists.

- ¹ Since 1993, 100% of the north-west-European population of the Gull-billed Tern has been breeding in the Wadden Sea area.

Fig. 1. Percentage of the north-west-European population breeding in the entire Wadden Sea 1991 (after Fleet et al., 1994);
A further 6 species reach at least the 1%-level.

Fig. 2. Percentage of the biogeographical population using the entire Wadden Sea area and the 3 sm-coastal waters during migration (resting, wintering, summering, moulting) (after Meltofte et al., 1994; Rösner et al., 1994).

Furthermore, at least 3 passerine-species, Horned Lark, Twite and Snow Bunting, reach the 1%-level; however, exact numbers are unknown; 10-12 other species, which are not so typical for the area, reach this level especially in the Dutch part of the Wadden Sea, e.g. some diving ducks, Little Gull and Black Tern.

LIST OF THREATENED BIOTOPES AND BIOTOPE COMPLEXES OF THE WADDEN SEA AREA

Part I: Biotope-Complex types														
	Code:	Biotope type	OE	Status of threat in the subregions of the Wadden Sea Area						RE	Main biotope types	Main Threats	Habitat Directive	
	(NL)			NL		D		DK						
				DE	QU	DE	QU	DE	QU					
Complex functional landscape units:														
	11	Migrating islands	1	1	1	1	1			S	A3, C1, C3	HLW (coastal protection)	partly incl.	
	13	Sheltered bays	1-2	1	2	1	2			B	A2, A3, C1	HLW (reclamation)	1160	
	14	Estuaries (natural and seminatural)	1	0	1	1	1			S	A2, A3, C1, C3	HLW, HCP	1130	
Biotope complexes:														
	1	Natural coastal sea complexes of the North Sea				*	3				03.01, 03.02 all subtypes	HCB, HCE, HCF, HCP, HLM	partly incl.	
	6	Natural complexes of tidal flats	2	*	2	*	2			S		HCP, SLE, HCF, HDF	partly incl.	
	7	Tidal divide	3	*	3	*	3			B	05.01.01-.03, 05.01.07, 09.01	SDR, SLE, HCF, HDF	partly incl.	
	8	Ebb delta	3	P	3	*	3			B	05.01.01-.03, 05.03	HLB	1110	
	5	Complete gully system	3	*	3	*	3			B-S	03, 05, esp. 05.03	HLB, HCF, HDF	partly incl.	
		Saltmarsh complexes (natural and seminatural)				2	1-2			B-S	07, 05, 09, 10.01-10.03		partly incl.	
	10.2	Island saltmarsh complex	3	*	3	3	3			B	07.01.01, 07.02.01, 05.01.01, 05.02, 05.03	HDA, HLW, HCA	partly incl.	
	12.1	Mainland saltmarsh complex, natural	1	0		1	1			S	07, 05, 09, 10.01, esp. 07.01.01, 07.02.01	HDA, HCA, HCC, SDR	partly incl.	
	9.1, 23	Slufter (dune valleys in open connection to North Sea)	2	2	2	p	2			B	10.01-10.03, 07, 05	HLW	partly incl.	

Part I: Biotope-Complex types

	Code:	Biotope type	OE	Status of threat in the subregions of the Wadden Sea Area						RE	Main biotope types	Main Threats	Habitat Directive
	(NL)			NL		D		DK					
				DE	QU	DE	QU	DE	QU				
		Sand coast complexes (natural)				*	1-2			K	05, 09, 10, 11.03		partly incl.
	12.3	Dune-tidal flats transition zone	1	1	1	1	2			S	05, 09, 10	HLW (coastal protection)	partly incl.
	12.2	Pleistocene- tidal flats transition zone	1	0		1	1			S-K	09, 05	HLW (coastal protection)	partly incl.
	9.2	"Washover"	2	2	2	-	-			B	09, 10	HLW (coastal protection)	partly incl.

Part II: Biotope types

Code:		Biotope type	OE	Status of threat in the subregions of the Wadden Sea Area								RE	Main Threats	Habitat Directive Codes of EEC	
				NL		D		DK							
				DE	QU	DE	QU	DE	QU						
(D) ⁱ	(NL)														
Coastal Water															
03.01	1	Pelagic zone of the coastal water	3	*	3	*	3				B	HCP, HCE, HCF			
03.02	2	Benthic zone of the coastal water	3	*	3	*	*				B				
03.02.01		Benthic zone, muddy bottom, few macrophytes				*	2					HDF, HCE			
03.02.02		Benthic zone, sandy bottom (fine-middle sand), few macrophytes				*	3					HDF, HCP	(1110)		
03.02.03		Benthic zone, coarse sand, gravel and shell bottoms, few macrophytes				*	3					HCM, HLM, HCP			
03.02.04	20	Benthic zone, stony and hard bottoms, few macrophytes	2-3	2	2	3	3				S	HLM, HDF, HCP			
03.02.05	17.52	Benthic zone, muddy and sandy bottoms, rich in macrophytes	1	0		2	2				B	HCE, HDF			
03.02.05.01		Subtidal seagrass beds	1	0		2	2				K	HCE, HCP, HDF	partly incl.		

Part II: Biotope types

	Code:		Biotope type	OE	Status of threat in the subregions of the Wadden Sea Area						RE	Main Threats	Habitat Directive Codes of EEC
	(D) ⁱ	(NL)			NL		D		DK				
					DE	QU	DE	QU	DE	QU			
	03.02.05.02		Benthic zone, muddy and sandy bottoms with other macrophytes	2			2	2			B	HCE, HCP, HDF	
	03.02.06	20	Benthic zone, stony and hard bottoms, rich in macrophytes, incl. artificial substrates	2-3	2	2	3	3			B-S	HLM, HDF, HCE	
	03.02.07	17.1	Sublittoral (old) blue mussel beds	2	1	1	3	3			S	HCF, HCP	1170
	03.02.08	17.2	Sublittoral oyster reefs	0	0		0				K	HLM, HCP	1170
	03.02.09	17.3	Sublittoral sabellaria reefs	1	0		2	1			S	HCF, HCP	1170
	03.02.10		"Seamoss"-stands (Sertularia, Hydralmannia)				2	2			B	HCF, HCP	
	03.09		Artificial benthic hard substrates	*	*	3	*	*			X		

Tidal flats

	05.01	6	Tidal flats free of vegetation			*	2				S		
	05.01.01	6	Mud flats, free of vegetation	2	*	2	3	2			S	HCF, SDR	1140
	05.01.02	6	Mixed flats, free of vegetation	3	*	2	3	3			S	HCF, SDR	1140
	05.01.03	6/17.4	Sand flats, free of vegetation	3	*	2	3	3					1140
	05.01.03.01	6	Flat sandy areas, free of vegetation	3	*	2	3	3			S	HCF, SDR	1140
	05.01.03.02		"Farbstreifen"-sand flat				1	2			K		1140
	05.01.03.03		Sandbank (eulittoral zone)				*	2-3			B		1140
	05.01.05	15	Brackish tidal flats of estuaries	1	0		2	2			B	HCE, HCA, HLB, HLW, HCP	1130
	05.01.06	16	Freshwater tidal flat of estuaries	1	0		2	2			S	HCE, HCA, HLB, HLW, HCP	1130
	05.01.07	17.1	Eulittoral (old) blue mussel beds	2	1	1	3	2-3			S	HCF, HCP	1170
	05.02		Tidal flats with vegetation										
	05.02.01	17.51	Intertidal seagrass beds	2	2	3	2	2			K	HCF, HCE	partly incl.
	05.02.02		Tidal flats with saltwort stands (Salicornia)		-		2	3			B		1310
	05.02.03		Tidal flats with Spartina anglica stands	2	-		*	*			X		1320
	05.02.04		Bogs in tidal erosion (e.g.	1			1	1			N	HL (natural)	7110 u.a.

Part II: Biotope types

	Code:		Biotope type	OE	Status of threat in the subregions of the Wadden Sea Area						RE	Main Threats	Habitat Directive Codes of EEC
	(D) ⁱ	(NL)			NL		D		DK				
					DE	QU	DE	QU	DE	QU			
			Sehestedter Moor)										
	05.03		Tidal gullies, priels									HCF, HLB	
	05.03.01		Tidal gullies, permanently submerged	3	*	3	*	2			B	HCF, HLB	
	05.03.02		'Priels' and gullies, dry at low tide	3	*	3	3	3			B	HCF, HLB	
Saltmarshes and -meadows													
	07.01.01	10.1	Lower saltmarshes, natural or seminatural	1	1	1	1-2	2			S	HLW	1330
	07.02.01	10.1	Upper saltmarshes, natural or seminatural	1	1	1	1-2	2			S	HLW	1330
	07.02.02	10.3	Upper saltmarshes, anthropozoogenic	3	3	3	2-3	3			X	HCA, HLW	1330
	07.03	10.4	Green beach (Strandwiese)	2	2	2	1	2			S	SDR, HLW	1330, 2110
	07.04		Brackish and salt water reed marsh	2	1	2	2	2			B	HDA, HCA, HLW	
	07.05		Brackish tall herb stands				2	2			B	SDR, HLW	
	07.06	10.1	Brackish saltmarsh of estuaries	1	0		2	2			B	SDR, HLW	1130
Sands and beaches													
	09.01	3	Sand bank and sands of the backshore	3	*	3	*	3			B	SDR, HLW	partly incl.
	09.02	4	Sandy beach	3	P	3	*	2-3			B	SDR, HLW	partly incl.
	09.05		Beach ridge (Strandwall)				2	2			K		partly incl.
	09.06	18	Coastal lake	1	1	2	1	2			S	HLW	*1150
Coastal dunes													
	10.01		Primary dunes	3	3	3	3	2			B	HCG, SDR	2110
	10.02	21	White dunes	3	*	*	3	2			S	HLW (coastal protection), HCG	2120
	10.03	(24)	Grey dune grassland	2	3	2	3	2			S	HLW (coastal protection), HCG	*2130, 2320
	10.04.01		Dunes and coastal heath with <i>Empetrum nigrum</i>				2	2-3			S	HLW, HCG	*2140
	10.04.02		Dune heath with <i>Calluna vulgaris</i>				2-3	2			S	HLW, HCG	
	10.05	22, 25	Wet dune valleys (incl. coastal fens)	2	*	3	2	1-2			S	HLW, HCG	2190

Part II: Biotope types

	Code:		Biotope type	OE	Status of threat in the subregions of the Wadden Sea Area						RE	Main Threats	Habitat Directive Codes of EEC
	(D) ⁱ	(NL)			NL		D		DK				
					DE	QU	DE	QU	DE	QU			
	(23.01)	26	Dune brooks	2	2	2	?				S	HLW, HCG	2190
	10.06		Dune scrub (natural)				3	2				SLC, HCG	2160, 2170
	10.07	28	Natural shifting dune	2	2	2	1	3			S	HLW (coastal protection), HCG	
	11.03	12.2	Pleistocene cliffs	2	0		2	3				HLB, HLW, HCG	1230

Codes according to Riecken et al., 1994.
