

Table 4. Key sites for waders during spring and/or autumn staging in Europe, Africa and the Middle East.

Sites listed are additional to sites indicated in Table 3 (that hold $\geq 20,000$ waders in midwinter). Sites are listed in approximately north to south order.

Sites listed are those where the total number of waders has exceeded 20,000 birds in the spring and or autumn migration periods in the 1990s, unless otherwise indicated. Where available, total number of waders is given as the count or estimate. Sites where the maximum count, but not the average, exceeded 20,000 waders are also listed. All totals are rounded to the nearest 1,000.

Note that for most sites, the counts do not take into account population turnover that is known to occur at these times of year, so the total number of individuals occurring at each site may, and probably will, be considerably larger than the numbers shown, and that other sites with peak counts of $< 20,000$ waders (not listed) will support $> 20,000$ individual waders during these migration periods.

Please note that the listing probably excludes sites of importance not known to us. We would appreciate being informed of errors or omissions so that future listings may be made more complete.

Country	Site name	Total no. of waders	Year(s)/ count type	Source	Lat./Long.
Europe					
Norway	Porsangerfjord	40,000	1985-89 average	Strann (1992)	N7020E02506
	Balsfjord	28,000	1983-89 max.	Strann (1992)	N6922E01918
Iceland	Breidafjörður	200,000	1990	IBA database	N6519W02300
	Faxaflói	55,000	1990	Gudmundsson & Garðarsson (1992)	N6400W02230
Finland	Lemmenjoki-Hammastunturi-Pulju	33,000	1991-96 max.	IBA database	N6835E02530
	Oulu region wetlands	130,000	1997	IBA database	N6455E02510
Lithuania	Nemunas River Delta	>>20,000	1990s	Švažas <i>et al.</i> 1999	N5518E02120
Sweden	Bay of Lommabukten	21,000	1996	IBA database	N5544E01259
Russia	Torna--Shoina watershed	30,000	1995	IBA database	N6800E04415
	Zaonezh'ye	30,000	1997	IBA database	N6213E03400
	Suskanski Nature Reserve	180,000	1996	IBA database	N5345E04915
	Burukshunskiye limans	50,000	pre-1990	IBA database	N4559E04225
	Volga Delta	>32,000	1980s (autumn migration)	Sources in Shubin 1998	N048E046

Country	Site name	Total no. of waders	Year(s)/ count type	Source	Lat./Long.
Denmark	Coast between Dokkedal and Lyngså (=Ålborg Bugt, nordlige del)	52,000	1994	IBA database	N5705E01022
	Læsø, sydlige del	>40,000	1994 (total for Dunlin only)	Rasmussen 1999	N5720E01100
	Tøndermarsken, Magisterkog and Rudbøl Sø	141,000	1994	IBA database	N5454E00843
Germany	Butjadingen	47,000	1996-97 max.	Melter & Schreiber 2000	N5333E00820
	Hellwegbörde	25,000	1996-97 average	IBA database	N5136E00819
	Lower Elb valley	35,000	1997	IBA database	N5255E01152
	Lower Havel--Lake Schollene--Lake Gülpe	36,000	1996-97 max.	IBA database	N5248E01211
	Lower Oder valley	28,000	1995-97 max.	IBA database	N5304E01419
	Lower Rhinluch--Lake Dreetz--Havelländisches Luch-	37,000	1997	IBA database	N5231E01235
	Lowland of the rivers Eider, Treene and Sorge	36,000	1998	IBA database	N5423E00920
	Wittmund—Wangerland	28,000	1995-96 max.	IBA database	N5342E00753
	Krummhörn, Lower Saxony	60,000	1991-1998	Schreiber 1998; Melter & Schreiber 2000	N5223E00703
	Rheiderland, Lower Saxony	71,710	1991-1998	Melter & Schreiber 2000	N5315E00718
	Elbmarsch Stade-Otterndorf, Lower Saxony	102,000	1991-1998	Melter & Schreiber 2000	N5351E00910
	Norden-Esens (inland), Lower Saxony	25,000	1991-1998	Melter & Schreiber 2000	N5340E00726
	Jadebusen (inland), Lower Saxony	67,000	1991-1998	Melter & Schreiber 2000	N5323E00813
	Landgraben-Dumme-Niederung, Lower Saxony	26,000	1991-1998	Melter & Schreiber 2000	N5354E01118
	Untere Allerniederung, Lower Saxony	40,000	1991-1998	Melter & Schreiber 2000	N5246E00934
	Dümmer, Lower Saxony	30,000	1991-1998	Melter & Schreiber 2000	N5230E00820
	Rysumer Nacken	22,000	1991-1998	Melter & Schreiber 2000	N5323E00710
Emsmarschen	23,000	1991-1998	Melter & Schreiber 2000	N5319E00720	
Dollart, Lower Saxony	33,000	1991-1998	Schreiber 1998, Melter & Schreiber 2000	N5318E00711	
France	Basses Vallées Angevines	25,000	1991-97 average	IBA database	N4734W00028
	Cap Gris-nez	21,000	1997	IBA database	N5052E00135
	Confluent des vallées de la Meuse et de la Chiers	27,000	1991-95 average	IBA database	N4938E00408
	Estuaire de la Gironde : marais de la rive nord	40,000	1991	IBA database	N4526W00048

Country	Site name	Total no. of waders	Year(s)/ count type	Source	Lat./Long.
	Lac du Der-Chantecoq et étangs latéraux	33,000	1991-97 max.	IBA database	N4833E00442
	Marais et forêt d'Olonne	27,000	1991-97 average	IBA database	N4632W00148
	Vallée de l'Aisne	43,000	1991-95 average	IBA database	N4924E00431
Ukraine	Gulf of Sivash, Sea of Azov	520,000-550,000	August 1998 estimated total for Gulf of Sivash	van der Winden <i>et al.</i> (2001)	N4610E03435
	Yagorlytskiy and Tendrovskiy Bays	21,000	1992	IBA database	N4620E03150
Ukraine/Romania	Danube Delta and Dobrodgea	74,000	late 1980s/early 1990s (autumn)	Kube <i>et al.</i> (1992)	N4500E02930
	[Razim-Sinoie Lagoons, Romania]	[50,000]	[April 1990-April 1996]	[Schmitz <i>et al.</i> 2001]	
Kazakhstan	North-eastern coast of the Caspian Sea	>32,000	1980s (autumn migration)	Rusanov & Krivonosov 1990; Shubin 1998	N53E47
Bulgaria	Burgas Bay	33,000	late 1980s medians	Kube <i>et al.</i> 1998	N4228E02729
Hungary	Danube Plain	27,000	1996	IBA database	N4649E01915
	Hortobágy Puszta	121,000	1993-96 average	IBA database	N4737E02104
Slovenia	River Drava from Maribor to Središëe	51,100	1995	IBA database	N4625E01555
Greece	Amvrakikos Gulf	28,000	1996	IBA database	N3900E02100
	Nestos Delta, Porto Lagos, Evros Delta	52,000-108,000	1987 estimated total	Meininger (1990)	<i>Nestos</i> : N4048E2448 <i>Lagos</i> : N4101E2505 <i>Evros</i> : N4052E2600
	Divari Pilou lagoon (Gialova)	30,000	1995-96 max.	IBA database	N3658E02140
Italy	Pantani di Capo Passero	23,000	1990	IBA database	N3644E01503
Turkey	Çukurova Delta	37,650	1990	Berrevoets <i>et al.</i> 1994	N3650E03530
Tunisia	Kneiss	295,900	1990	Spiekman <i>et al.</i> 1993	N3424E01019
Egypt	Lake Manzala	76,200	1990	Meininger & Atta 1994	N3102-3133 E03147-03218
Saudi Arabia	Sabkhat al-Fasl Lagoons	>28,600	???	Evans 1994	N2700E04940

African-Eurasian wader population estimates 1990s paper