

## **Red-crested Pochard (*Netta rufina*) movements**

This is a Palearctic species breeding locally across southern and central Europe to west and central Asia. The Red-crested Pochard is migratory or partially migratory, except for a small feral population in the UK, which is largely sedentary. In western Europe wintering concentrations occur in southern Germany and Switzerland and locally in Spain. The major wintering concentrations occur around the Caspian Sea and eastwards into Turkmenistan.

The Red-crested Pochard has been ringed in low numbers in Europe and the largest numbers of recoveries have been received from birds ringed in Denmark, Germany, Russia and Spain. From the months December – February most recoveries are reported in western and southern Europe and a few also in the area of the Black and Caspian Seas. A few recoveries are reported in southern Russia and southern Siberia during the breeding season. A concentration of recoveries is found in the Sea of Azov during autumn and this is also known as an important wintering site for Red-crested Pochard. Birds breeding in western Europe are partially migratory and move only short distances. Eastern and southeastern European and Russian breeders winter in the area of the Black and Caspian Seas, while birds breeding in Turkey and Azerbaijan winter in Egypt and southwest Asia. The species is known to perform moult migrations and birds from southern France gather in lakes in southern Germany and Switzerland, Principally the Boden See (Lake Constance).

From:

Delany, S., Veen, J. & Clark, J.A. (eds) 2006. *Urgent preliminary assessment of ornithological data relevant to the spread of Avian Influenza in Europe*. Report to the European Commission. Study contract: 07010401/2005/425926/MAR/B4. Authors: Atkinson, P.W., Clark, J.A., Delany, S., Diagona, C.H., du Feu, C., Fiedler, W., Fransson, T., Gauthier-Clerc, M., Grantham, M.J., Gschwend, M., Hagemeijer, W., Helmink, T., Johnson, A., Khomenko, S., Martakis, G., Overdijk, O., Robinson, R.A., Solokha, A., Spina, F., Sylla, S.I., Veen, J. & Visser, D.

[http://ec.europa.eu/environment/nature/nature\\_conservation/focus\\_wild\\_birds/avian\\_influenza/index\\_en.htm](http://ec.europa.eu/environment/nature/nature_conservation/focus_wild_birds/avian_influenza/index_en.htm)

**Table 1:** Summary of the movements of Red-crested Pochard (*Netta rufina*) from the literature based on published information and ring recoveries in the EURING Data Bank.

**Red-crested Pochard *Netta rufina***

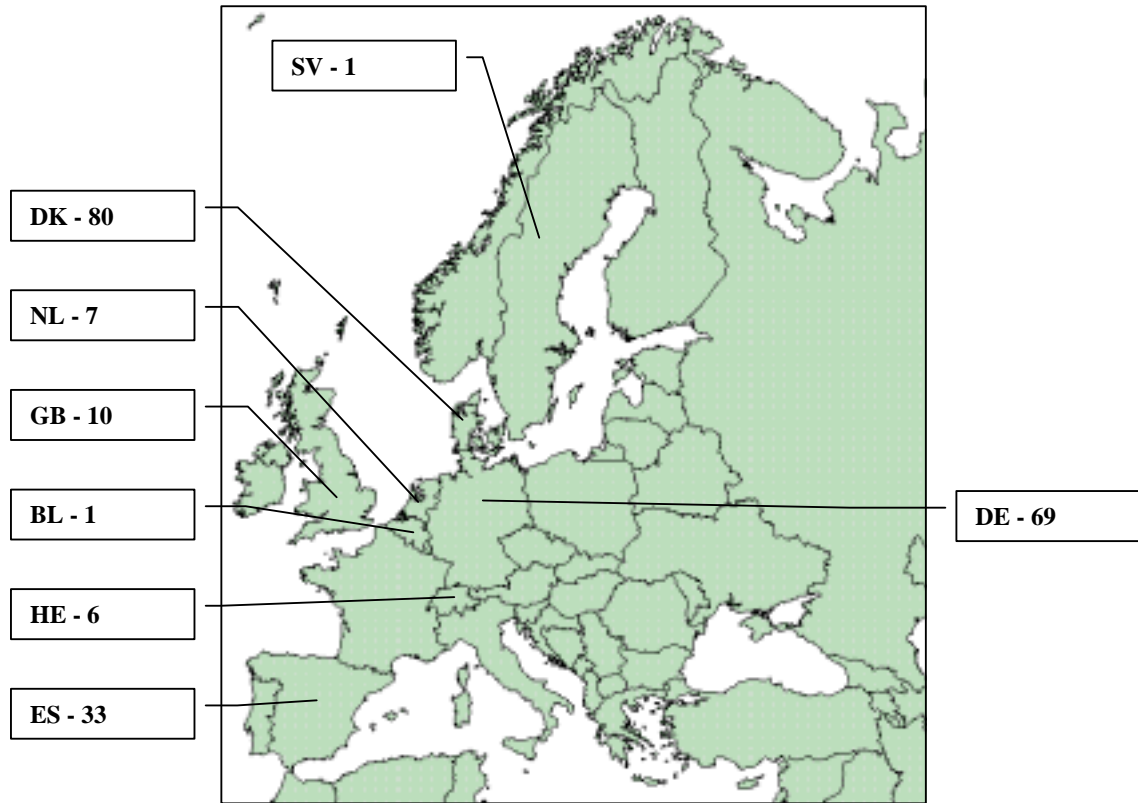
**Distribution:** Palaearctic, from Iberia across southern and central Europe to west and central Asia

**Moult:** partly at Lake Constance, SW Baltic, Netherlands

Population (or part of population)	Autumn Migration		Wintering / Non-breeding Grounds		Spring Migration		References
	direction / via	During	location	during	direction / via	during	
Northern Europe (Sweden, Netherlands, Denmark (occasionally))	SSW, via Netherlands ?	from Aug	Lake Constance (Germany), France, Italy, Spain, Netherlands, Denmark			to Apr	1, 4, 5
Central European (Germany, Austria)			(partially migratory) S-France, Iberia				8, own data
SE-Europe			Black Sea, East Mediterranean				8
Turkey			Black Sea, East Mediterranean				
Eastern European (Poland, Czech Republic, Slovak Rep.)			Black Sea region (probably east as far as Caspian sea)				1, 8
European Russia east to Volga Delta			North Caspian				8
Central Asia			Caspian and Black Sea region, SW-Asia				8
Transcaspien breeding population			Eastern Caspian, SW-Asia				8
Turkey, Azerbaijan			Egypt, Asia, India				1
Krasnovodsk-north Cheleken Bays, Lake Sarakamysh			increasing numbers into south Caspian region during cold winters; Iran, increasing during cold winters				8

References consulted in drawing up the movement summary tables. Number in tables indicate which reference was used in drawing up each line of data in the tables.

Number in Tables	Reference
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4	Fransson, T. & Pettersson, J. (2001): <i>Svensk ringmärkningsatlas. Vol. 1</i> . Stockholm. Including preliminary printouts for volume 2 (unpublished, 2006)
5	Bønløkke, J., Madsen, J.J., Thorup, K., Pedersen, K.T., Bjerrum, M. & Rahbek, C. in press. <i>Dansk Trækfugleatlas. The Danish Bird Migration Atlas</i> (to be published spring 2006). Rhodos International Science & Art Publishers Ltd., Holtegaard, Humlebæk, Denmark.
6	Unpublished printout of recovery maps from the Helsinki Bird Ringing Scheme.
7	Roggeman, W., Huisseune, D., Vangeluwe, D., Vandenbulck, P. & Vandoussellare, P. 1995. <i>Belgian Ringing Scheme Databank. Gaviidae to Anatidae</i> . Studiedocumenten van het K.B.I.N., Brussels.
8	Scott, D.A. & Rose, P.M. 1996. <i>Atlas of Anatidae Populations in Africa and Western Eurasia</i> . Wetlands International Publication 41.
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11	Veen J., Yurlov, A.K., Delany S.N., Mihantiev, A.I., Selivanova, M.A. & Boere, G.C. 2005. <i>An atlas of movements of Southwest Siberian waterbirds</i> . Wetlands International, Wageningen, The Netherlands.
12	Recovery maps from the Italian Bird Ringing Scheme
13	Czech Duck Ringing project. URL: <a href="http://www.mujiweb.cz/veda/aythya/menu/records.htm">http://www.mujiweb.cz/veda/aythya/menu/records.htm</a>
14	McClure (1998): <i>Migration and Survival of the Birds of Asia</i> . White Lotus Press, Thailand.
15	Kishchinskii, A.A. (1978): <i>Gaviiformes to Ciconiiformes</i> . Migrations of birds of eastern Europe and Northern Asia. Nauka, Moscow.
16	Kishchinskii, A.A. (1982): <i>Falconiformes to Gruiformes</i> . Migrations of birds of eastern Europe and Northern Asia. Nauka, Moscow.
17	Svazasn S., W. Meissner, V. Serebryakov, A. Kozulin & G. Grishanov (2001): <i>Changes of wintering sites of waterfowl in central and eastern Europe</i> . OMPO, Vilnius.



**Figure 2.** Country of ringing and numbers of recoveries of birds featured in maps of finding locations - Red-crested Pochard (*Netta rufina*).