

# APENDIX

## REVIEW OF CERTAIN BIRD SPECIES IN THE STARI BEGEJ-CARSKA BARA SPECIAL NATURE RESERVE

The review includes the waterfowl species of the following families: Gaviidae, Podicipedidae, Pelecanidae, Ardeidae, Threskiornithidae, Ciconidae, Phoenicopteridae, Anatidae, Rallidae, Gruidae, Haematopodidae, Glareolidae, Charadriidae and Laridae.

Meanings of the marks and symbols:

- stat** - the species is a resident staying the whole year in the area,
- (stat)** - the species is a resident, but its breeding is not recorded in the area,
- aest** - the species breeds in the area and can be found during the summer,
- (aest)** - the species can be found during the summer, but its breeding is not recorded in the area,
- hiem** - the species only winters in the area,
- vag** - the foreign species present in the area almost every year during migration or wintering,
- trans** - the species does not breed in the area and can be found only during spring or autumn migration,
- SPEC** - the Species of European Conservation Concern,
- Category (1-4)** - depending on global conservation status, European Treat Status and the proportion of world population in Europe.

Conservation Status is given as:

- E** - Endangered
- V** - Vulnerable
- R** - Rare
- D** - Declining
- L** - Localized
- S** - Secure

Status of the species whose global populations are not concentrated in Europe and are not of European Conservation Concern are marked only with S.

Provisional status is given in parentheses.

Data on population sizes in the area:

- I** - breeding pairs
- II** - wintering individuals
- III** - individuals during the spring migration
- IV** - individuals during the autumn migration

	I	II	III	IV
<b>GAVIDAE</b>				
<b>Gavia</b>				
<i>G. stellata</i> , hiem. SPEC Category 3. Status V.		>10		>10
<i>G. arctica</i> , hiem. SPEC Category 3. Status V.		>20		>20
<i>G. immer</i> , hiem. Status (S).		>10		>10

	I	II	III	IV
<b>PODICIPEDIDAE</b>				
<b>Podiceps</b>				
<i>P. ruficollis</i> , stat. Status S.	40			
<i>P. nigricollis</i> , aest. Status S.	15			400
<i>P. griseigena</i> , aest. Status S.	>10			
<i>P. cristatus</i> , aest. Status S.	100			
<b>PELECANIDAE</b>				
<b>Phalacrocorax</b>				
<i>P. carbo</i> , aest. Status S.	<500			500
<i>P. pygmaeus</i> , vag. SPEC Category 2. Status V. /*				
<b>Pelecanus</b>				
<i>P. crispus</i> , vag. SPEC Category 1. Status V. /*				
<b>ARDEIDAE</b>				
<b>Botaurus</b>				
<i>B. stellaris</i> , stat. SPEC Category 3. Status (V).	<10			
<b>Ixobrychus</b>				
<i>I. minutus</i> , aest. SPEC Category 3. Status (V).	<50			
<b>Nycticorax</b>				
<i>N. nycticorax</i> , aest. SPEC Category 3. Status D.	200			
<b>Ardeola</b>				
<i>A. ralloides</i> , aest. SPEC Category 3. Status V.	100			
<b>Egetta</b>				
<i>E. alba</i> , aest. Status S.	>20			300
<i>E. garzetta</i> , aest. Status S.	200			300
<b>Ardea</b>				
<i>A. cinerea</i> , aest. Status S.	100			200
<i>A. purpurea</i> , aest. SPEC Category 3. Status V.	>100			
<b>THRESKIORNITHIDAE</b>				
<b>Platalea</b>				
<i>P. leucorodia</i> , trans. SPEC Category 2. Status E.	<20			<100
<b>Plegadis</b>				
<i>P. falcinellus</i> , vag. SPEC Category 3. Status D.				>50
<b>CICONIDAE</b>				
<b>Ciconia</b>				
<i>C. ciconia</i> , aest. SPEC Category 2. Status V.	<200 /**			
<i>C. nigra</i> , aest. SPEC Category 3. Status R.	>5		>20	<40
<b>ANATIDAE</b>				
<b>Branta</b>				
<i>B. leucopsis</i> , vag. SPEC Category 2. Status L. /*				
<b>Anser</b>				
<i>A. anser</i> , stat. Status S.	20			>300
<i>A. albifrons</i> , hiem. Status S.		1500		<10000
<i>A. fabalis</i> , hiem. Status S.		50		<3500
<i>A. erythropus</i> , hiem. SPEC Category 1. Status V.				<20

	I	II	III	IV
<b>Cygnus</b>				
<i>C. olor</i> , vag. Status S. /*				
<b>Tadorna</b>				
<i>T. tadorna</i> , vag. Status S /*.				
<b>Anas</b>				
<i>A. platyrhynchos</i> , stat. Status S.	<500			<10000
<i>A. crecca</i> , trans. Status S.		<200	<3000	<5000
<i>A. strepera</i> , aest. SPEC Category 3. Status V.	<40			<100
<i>A. penelope</i> , trans. Status S.			<400	<5000
<i>A. acuta</i> , trans. SPEC Category 3. Status V.			<200	<200
<i>A. querquedula</i> , aest. SPEC Category 3. Status V.	10			40
<i>A. clypeata</i> , aest. Status S.	<50		<300	<1000
<b>Netta</b>				
<i>N. rufina</i> , vag. SPEC Category 3. Status D. /***				
<b>Aythya</b>				
<i>A. nyroca</i> , aest. SPEC Category 1. Status V.	10			40
<i>A. ferina</i> , stat. SPEC Category 4. Status S.	25		500	<2000
<i>A. fuligula</i> , hiem. Status S.		>100		<1500
<i>A. marila</i> , vag. SPEC Category 3. Status L.			>10	>10
<b>Somatetaria</b>				
<i>S. mollissima</i> , vag. Status S. /*				
<b>Melanitta</b>				
<i>M. nigra</i> , vag. Status S. /*				
<i>M. fusca</i> , vag. SPEC Category 3. Status L. /*				
<b>Clangula</b>				
<i>C. hyemalis</i> , vag. Status S. /*				
<b>Bucephala</b>				
<i>B. clangula</i> , hiem. Status S.		20		100
<b>Mergus</b>				
<i>M. albelus</i> , hiem. SPEC Category 3. Status V.		>10		
<i>M. serrator</i> , hiem. Status S.		>10	>10	>10
<i>M. merganser</i> , hiem. Status S.		>10		
<b>RALLIDAE</b>				
<b>Ralus</b>				
<i>R. aquaticus</i> , aest. Status (S).	<20			
<b>Porzana</b>				
<i>P. porzana</i> , aest. SPEC Category 4. Status S.	<20			
<i>P. parva</i> , aest. SPEC Category 4. Status (S).	<10			
<i>P. pusilla</i> , trans. SPEC Category 3. Status R.	>10			
<b>Crex</b>				
<i>C. crex</i> , aest. SPEC Category 1. Status V.	>5			
<b>Gallinula</b>				
<i>G. chloropus</i> , stat. Status S.	<20			
<b>Fulica</b>				
<i>F. atra</i> , stat. Status S.	<1000			<7000
<b>GRUIDAE</b>				
<b>Grus</b>				
<i>G. grus</i> , trans. SPEC Category 3. Status V.				<50

	I	II	III	IV
<b>GLAREOLIDAE</b>				
<b>Glareola</b>				
<i>G. praticola</i> , trans. SPEC Category 3. Status E.			10	15
<i>G. nordmanni</i> , vag. SPEC Category 3. Status R. /*				
<b>HAEMATOPODIDAE</b>				
<b>Haematopus</b>				
<i>H. ostralegus</i> , vag. Status S. /*				
<b>Charadrius</b>				
<i>C. hiaticula</i> , trans. Status S.			>50	>80
<i>C. dubius</i> , aest. Status (S).	>20		30	30
<i>C. alexandrinus</i> , aest. SPEC Category 3. Status D.	>20		30	20
<b>Pluvialis</b>				
<i>P. squatarola</i> , trans. Status S.			>20	>20
<i>P. apricaria</i> , trans. SPEC Category 4. Status S.			10	15
<b>Vanellus</b>				
<i>V. vanellus</i> , aest. Status (S).	150		250	800
<b>Arenaria</b>				
<i>A. interpres</i> , vag. Status S. /*				
<b>Calidris</b>				
<i>C. minuta</i> , trans. Status (S).			100	200
<i>C. temminckii</i> , trans. Status (S).			50	50
<i>C. alpina</i> , trans. SPEC Category 3. Status V.			50	150
<i>C. ferruginea</i> , trans. Status S.			20	20
<b>Philomachus</b>				
<i>P. pugnax</i> , trans. SPEC Category 4. Status (S).			300	1500
<b>Limicola</b>				
<i>L. falcinellus</i> , vag. SPEC Category 3. Status (V) /*				
<b>Tringa</b>				
<i>T. erythropus</i> , trans. Status S.			100	150
<i>T. totanus</i> , aest. SPEC Category 2. Status D.	10		50	130
<i>T. nebularia</i> , trans. Status S.			20	20
<i>T. ochropus</i> , trans. Status (S).			40	40
<i>T. hypoleucos</i> , aest. Status S.	15		80	100
<i>T. stagnatilis</i> , trans. Status (S).			20	20
<i>T. glareola</i> , trans. SPEC Category 3. Status D.			30	500
<b>Limosa</b>				
<i>L. lapponica</i> , trans. SPEC Category 3. Status L.			>10	>10
<i>L. limosa</i> , aest. SPEC Category 2. Status V.	10		150	1500
<b>Numenius</b>				
<i>N. arquata</i> , trans. SPEC Category 3. Status D.			20	<750
<i>N. phaeopus</i> , trans. SPEC Category 4. Status (S).			200	<300
<b>Scolopax</b>				
<i>S. rusticola</i> , trans. SPEC Category 3. Status V.			>10	>10
<b>Gallinago</b>				
<i>G. gallinago</i> , trans. Status (S).			100	200
<i>G. media</i> , trans. SPEC Category 2. Status (V).			20	20
<b>Lymnocyptes</b>				
<i>L. minimus</i> , trans. SPEC Category 3. Status (V).			>10	>10
<b>Himantopus</b>				
<i>H. himantopus</i> , vag. Status S. /*				

	I	II	III*	IV
<b>Recurvirostra</b>				
<i>R. avosetta</i> , (aest.) SPEC Category 4/3. Status L.			15	25
<b>Phalaropus</b>				
<i>P. lobatus</i> , vag. Status (S). /*				
<i>P. fulicarius</i> , vag. Status (S). /*				
<b>LARIDAE</b>				
<b>Larus</b>				
<i>L. ridibundus</i> , stat. Status S.	200			1000 /****
<i>L. minutus</i> , trans. SPEC Category 3. Status D.				50
80				
<i>L. fuscus</i> , trans. SPEC Category 4. Status S.				>10
<i>L. argentatus</i> , trans. Status S.			75	<400
<i>L. canus</i> , hiem. SPEC Category 2. Status D. /*				
<b>Gelochelidon</b>				
<i>G. nilotica</i> , trans. SPEC Category 3. Status (E). /*****				
<b>Sterna</b>				
<i>S. hirundo</i> , aest. Status S.	20		100	100
<i>S. albifrons</i> , trans. SPEC Category 3. Status D. /*				
<b>Chlidonias</b>				
<i>C. niger</i> , aest. SPEC Category 3. Status D.	<10		80	100
<i>C. leucopterus</i> , trans. Status S.			10	<500*
<i>C. hybridus</i> , aest. SPEC Category 3. Status D.	<30		30	<300

- /\* the species recorded less than five times in the period of 1960-1995, with less than five individuals
- /\*\* the species recorded in nearby settlements
- /\*\*\* the species recorded only one time, with 70-80 individuals
- \*\*\*\* the species recorded during commercial fishing in the fishpond, with 8,000-10,000 individuals
- \*\*\*\*\* the species recorded only one time, with 20 individuals.