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Scolopacidae

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(*Anas crecca*)

(*Fulica atra*)

(*Anas strepera*)

Monthly Survey of Wintering Waterbirds in Hoore Bamdej, Khuzestan Province, Southwest Iran

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Abstract: This study was carried out in Bamdej wetland to assess the diversity of waterbirds each month from October 2004 to March 2005. 47 species were identified. In all months of the census the number of waterfowl species was higher than that of waders. The maximum species number was observed in January, while the minimum was in October. In all months Scolopacidae had the greatest population in this wetland. The maximum number of individuals was 14834 birds in December. *Anas crecca* was the dominant species in October, November and December, *Anas strepera* in January and *Fulica atra* in February and March.

Keywords: Wintering, waterbirds, Bamdej, wetland, population, Khuzestan, Iran.

(Nabavi 2004)

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(*Typha*) (*Phragmites*) :
(Evans 1994, Scott 1995)

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Figure 1. West of Bamdej wetland.

Scolopacidae

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Figure 2. East of Bamdej wetland.

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(*Anas crecca*)

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Anas)

(*strepera*)

(*Fulica atra*)



Figure 3. North of Bamdej wetland.

() Scott ()

% (-
(Delaney & Scott 2002)

Table 1. Waterbirds observed during October 2004-March 2005, and their comparison with Scott (1995) and mid-winter census data (1988-2004). Numbers reached to the criterion at least 1% of regional population (Delaney & Scott 2002) are in Bold.

Scientific name	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	2001-4	1988-97	Scott (1995)	Persian name
<i>Tachybaptus ruficollis</i>	0	0	3	0	5	0	95	287		
<i>Podiceps cristatus</i>								12		
<i>Pelecanus crispus</i>									51	
<i>Phalacrocorax carbo</i>	0	0	7	0	3	0	178		5	()
<i>Phalacrocorax pygmeus</i>	2	0	23	0	0	0	54		1	()
<i>Egretta garzetta</i>	13	1	54	82	0	80	214	270	335	()
<i>Ardea cinerea</i>	0	0	26	3	0	30	39	150	267	
<i>Ardea purpurea</i>	0	0	8	1	0	0			15	
<i>Casmerodius albus</i>	3	2	18	3	5	12	114	100	128	()
<i>Bubulcus ibis</i>	0	0	18	0	0	50	20	25	32	
<i>Ardeola ralloides</i>	0	0	7	1	0	4				
<i>Nycticorax nycticorax</i>	0	0	0	0	0	1				
<i>Ixobrychus minutus</i>								3		
<i>Botaurus stellaris</i>	1	0	5	0	0	0				
<i>Ciconia ciconia</i>								37	25) (
<i>Plegadis falcinellus</i>							13	110	110	()
<i>Threskiornis aethiopicus</i>	0	0	41	8	0	0	14	30	50	()
<i>Platalea leucorodia</i>								12	120	
<i>Phoenicopterus ruber</i>							49			
<i>Cygnus olor</i>								2		
<i>Anser anser</i>							11000	2500	2500	
<i>Tadorna ferruginea</i>	0	0	0	5	0	0		14	48	
<i>Tadorna tadorna</i>							104	155	8	
<i>Anas penelope</i>	0	0	0	250	17	0	449	270	5300	
<i>Anas strepera</i>	0	130	1470	4000	2085	0	26714	3700	6500	
<i>Anas crecca</i>	0	100	166	5000	3000	90	70434	4850	15850	
<i>Anas platyrhynchos</i>							5	2250	15500	
<i>Anas acuta</i>	0	0	20	550	0	0	477	112	250	()
<i>Anas querquedula</i>	100	0	0	0	0	0				
<i>Anas chrypeata</i>	50	59	428	3000	155	0	24828	550	4960	
<i>Marmaronetta angustirostris</i>							14	90	1100	()
<i>Netta rufina</i>								50	2	
<i>Aythya ferina</i>	2	0	36	1000	0	0	62	1700	100	
<i>Aythya nyroca</i>									7	
<i>Aythya fuligula</i>	0	0	5	3	0	0	132	250		
<i>Aythya marila</i>							110			
<i>Bucephala clangula</i>									1	()
<i>Mergus albellus</i>							2			
Anatidae spp.	0	0	7000	0	0	0				
<i>Grus grus</i>								3000		
<i>Rallus aquaticus</i>	0	0	0	0	1	0	1			
<i>Gallinula chloropus</i>	0	0	4	7	0	3	13	14		()

Scientific name	Mar.	Feb.	Jan.	Dec.	Nov.	Oct.	- 2001-4	1988-97	Scott (1995)	Persian name
<i>Fulica atra</i>	500	190	682	500	692	0	116800	23000	23000	
<i>Himantopus himantopus</i>	42	37	229	235	290	10	45	584	620	
<i>Recurvirostra avosetta</i>							11	125	125	()
<i>Glareola pratincola</i>								260		
<i>Charadrius hiaticula</i>	0	15	2	80	0	0	131			
<i>Charadrius alexandrinus</i>							30			
<i>Charadrius leschenaultii</i>							20			
<i>Vanellus vanellus</i>		35	6	4	0	0	7	450	400	
<i>Vanellus spinosus</i>							18			
<i>Vanellus indicus</i>	50	0	21	18	15	20	49	313	65	
<i>Vanellus gregarius</i>	0	0	0	0	0	3				
<i>Vanellus leucurus</i>	30	50	395	31	6	0	96	150	390	
<i>Gallinago media</i>	0	3	0	2	0	0				
<i>Gallinago gallinago</i>	0	15	0	26	5	0	5	60	20	()
<i>Lymnocyptes minimus</i>								12		
<i>Limosa limosa</i>	0	0	3	0	0	0		600	980	
<i>Numenius arquata</i>	0	0	1	0	0	0				
<i>Tringa erythropus</i>	0	0	7	0	0	0				
<i>Tringa totanus</i>	0	10	27	14	7	0	510	243	500	
<i>Tringa stagnatilis</i>	3	17	61	6	22	2	25	20		
<i>Tringa nebularia</i>	0	0	3	3	0	0	4	215	1	
<i>Tringa ochropus</i>	0	2	27	1	0	0				
<i>Tringa glareola</i>	0	0	5	0	0	0	2			
<i>Xenus cinereus</i>							1			
<i>Actitis hypoleucos</i>	0	7	0	0	0	0		20		
<i>Calidris alba</i>	15	0	0	0	0	0				
<i>Calidris minuta</i>	0	0	89	1	0	0	40	250		
<i>Calidris alpina</i>	0	0	2	0	0	0				
<i>Calidris ferruginea</i>							69			()
<i>Philomachus pugnax</i>	2	0	33	0	0	0	12	130		
<i>Larus cachinnans?</i>								236		
<i>Larus ridibundus</i>	0	0	6	0	0	0	6	150	25	
<i>Chlidonias hybrida</i>	0	0	1	0	0	0	1		80	
<i>Chlidonias niger</i>							1			
<i>Sterna hirundo</i>							1	15		
No. of Species	14	16	38	28	15	12				
No. of Waterbirds	813	673	10939	14834	6308	305	242030	47376		
Density	0.20	0.17	2.7	3.7	1.57	0.076				

(*Haliaeetus albicilla*)

(*Falco cherrug*)

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Scott (1995) ()

Scott (1995)

%

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(*A. strepera*)

%

(Evans 1994, Scott 1995)

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(Khaleghizadeh & Behrouzi-Rad 2004)

(Ratti *et al.* 2001)



(Quan *et al.* 2002)

(Hattori & Mae 2001)

Figure 4. Netting as a threat factor for waterbirds.

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(Zanganeh 2002)

(*A. crecca*)

(*F. atra*)

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(Scott 1995)

Table 2. Land birds observed during this study, in mid-winter 2003 and breeding birds (Scott 1995).

	In this survey & mid-winter 2003	Breeding pairs (Scott 1995)
<i>Ixobrychus minutus</i>		*
<i>Nycticorax nycticorax</i>		30
<i>Ardeola ralloides</i>		60
<i>Bubulcus ibis</i>		40
<i>Egretta garzetta</i>		50
<i>Ardea purpurea</i>		60
<i>Marmaronetta angustirostris</i>		20+
<i>Aquila clanga</i>	3 (2003)	
<i>Circus aeruginosus</i>	*	10+
<i>Francolinus francolinus</i>		*
<i>Porphyrio porphyrio</i>		*
<i>Himantopus himantopus</i>		100-150
<i>Glareola pratincola</i>		150-200
<i>Vanellus leucurus</i>		100+
<i>Sterna albifrons</i>		15
<i>Streptopelia</i> sp.	*	
<i>Merops apiaster</i>	*	
<i>Ceryle rudis</i>	*, 37 (2003)	*
<i>Halcyon smyrnensis</i>	*, 13 (2003)	*
<i>Alcedo atthis</i>	*	
<i>Upupa epops</i>	*	
<i>Galerida cristata</i>	*	
<i>Turdoides altirostris</i>	*	
<i>Acrocephalus melanopogon</i>		*
<i>Acrocephalus stentoreus</i>		*
<i>Acrocephalus</i> sp.	*	
<i>Corvus corone</i>	*	

