Supplementary Material to:

**Turkey as a crossroad for Greater Flamingos *Phoenicopterus roseus*:
evidence from population trends and ring-resightings
(Aves: Phoenicopteridae)**

Özge Balkız, Ortaç Onmuş, Mehmet Sıkı, Ömer Döndüren, Orhan Gül,
Antoine Arnaud, Christophe Germain, Süreyya İsfendiyaroğlu, Melih Özbek,
Eray Çağlayan, Nilüfer Araç, Burcu Parmak, Uygur Özesmi and Arnaud Béchet

Zoology in the Middle East, 61, 2015

<http://dx.doi.org/10.1080/09397140.2015.1058452>

APPENDIX 1

Sites used as breeding grounds by flamingos between 1969 and 2014 in Turkey. For each site, number of breeding pairs and number of chicks are given. Empty cells correspond to the absence of data. * The colony size information in the Gediz Delta is from Çamaltı Salina except between years 2011 and 2013 (from Homa Lagoon). – ** The low number of nests might be due to flooding of the nests at the border of the breeding island.

Year	Tuz Lake		Gediz Delta*		Seyfe Lake		Ereğli Marshes		Sultan Marshes		Acıgöl		Karapınar Plain		Akşehir Lake	
	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks
1969	1,750															
1970	5,000								1,500							
1971	83															
1972	3,500															
1973	3,700															
1974		1,000														
1975																
1976																
1977													500			
1978	5,000															
1979																
1980																
1981																
1982			125	88												
1983			138	0												
1984			125	15												
1985			125	0												
1986			125	0			38									
1987			90	0												
1988			120	75												

Year	Tuz Lake		Gediz Delta*		Seyfe Lake		Ereğli Marshes		Sultan Marshes		Acıgöl		Karapınar Plain		Akşehir Lake	
	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks	Pairs	Chicks
1989			103	68												
1990			600	500												
1991	11,000	4,100	370	325			217	0								
1992		14,000	93	0	1,947											
1993			700	625			300				100					
1994			1,752	775		240										
1995			0	0												
1996			980	0												
1997		4,000	0	0												
1998		11,400	0	0			20									
1999		1,200	0	0												
2000		9,000	405	0												
2001			958	0												
2002		4,750	768	70												
2003		3,059	2,542**	3,100±625												
2004	10,179	7,312	3,619	3,250												
2005	11,499	3,309	7,407	4,025±1,122												
2006	13,302		10,245	7,140								100				
2007		4,382		3,500												
2008		1,610	10,743	3,200												100
2009		14,644	6,295	3,250												
2010		5,070	5,487	2,071												
2011		18,418	1,100	1,000												
2012		20,274	2,750	1,600												
2013		20,292	3,000	135											3,000	0
2014		2,893	10,812	7,000												

APPENDIX 2

The number of resightings of flamingos ringed in Turkey per year and by country. The columns show the years of controls, number of resightings and in parenthesis number of different individuals observed is given.

Country	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	TOTAL
Italy		37 (14)	41 (23)	166 (42)	85 (36)	69 (27)	74 (24)	29 (16)	42 (20)	40 (26)	37 (27)	6 (3)	626
Turkey	13 (10)	24 (22)	33 (32)	13 (12)	30 (24)	28 (25)	91 (51)	102 (84)	19 (19)	18 (17)	6 (6)	5 (5)	392
France		6 (5)	12 (5)	34 (9)	51 (20)	44 (15)	29 (13)	40 (15)	25 (5)	23 (9)	32 (8)	4 (3)	300
Greece	2 (2)	6 (5)	16 (13)	14 (12)	51 (33)	40 (16)	27 (21)	28 (20)	23 (19)	34 (26)	32 (19)	6 (5)	279
Algeria		1 (1)	2 (2)	9 (3)	5 (3)		86 (20)	2 (2)	50 (7)			1 (1)	156
Tunisia		14 (7)	17 (14)	25 (15)	22 (16)	23 (16)	18 (11)	23 (19)	3 (3)	5 (5)	1 (1)		151
Spain	1 (1)	11 (4)	24 (9)	46 (12)	21 (7)	26 (8)	4 (4)	5 (5)	1 (1)	3 (2)	3 (2)		145
Portugal			2 (1)	10 (6)	4 (3)	9 (2)	7 (4)	2 (2)	1 (1)				35
Israel		7 (6)		1 (1)	4 (3)	5 (4)	1 (1)			1 (1)	2 (2)	1 (1)	22
United Arab Emirates					2 (1)	1 (1)	1 (1)	4 (3)	2 (1)		1 (1)		11
Libya				4 (2)		3 (3)		2 (1)					9
Cyprus		1 (1)			1 (1)				2 (1)		1 (1)		5
Montenegro								1 (1)			1 (1)		2
Mauritania				1 (1)									1
Saudi Arabia										1 (1)			1
Slovenia			1 (1)										1

APPENDIX 3

The number of Turkish flamingos confirmed as breeders. Table is sorted by the year of ringing and details on the location of the colonies are given by country and coordinates.

Year (ring.)	Ring code	Year (recov.)	Country	Site	Latitude	Longitude
2003	T ADP	2013	France	Etang du Fangassier	43°25'33''	4°37'58''
2003	T AAV	2007	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2003	T ADL	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2003	T AFH	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2003	T AHT	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2003	T AKZ	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2003	T ALF	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2003	T ADL	2010	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2004	T AZA	2009	Algeria	Garaa Ez Zemoul	35°53'57''	06°33'33''
2004	T AZS	2009	Algeria	Garaa Ez Zemoul	35°53'57''	06°33'33''
2004	T BJZ	2009	Algeria	Garaa Ez Zemoul	35°53'57''	06°33'33''
2004	T BNN	2009	Algeria	Garaa Ez Zemoul	35°53'57''	06°33'33''
2004	T BJK	2009	Italy	Saline di Comacchio	44°39'23''	12°12'53''
2004	T BAZ	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2004	T BCC	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2004	T BHP	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2004	T BAK	2010	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''

Year (ring.)	Ring code	Year (recov.)	Country	Site	Latitude	Longitude
2004	T BBJ	2010	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2005	T DKS	2011	Algeria	Garaa Ez Zemoul	35°53'57''	06°33'33''
2005	T CJS	2009	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2005	T CNK	2010	Turkey	Çamaltı Salina, Gediz Delta	43°30'33''	26°54'44''
2007	T DTD	2011	Italy	Saline di Comacchio	44°39'23''	12°12'53''
2009	T FJH	2013	Italy	Valle Paleazza, Lio Piccolo	44°29'24''	12°30'15''
2009	T HKT	2013	Italy	Valle Paleazza, Lio Piccolo	44°29'24''	12°30'15''
2009	T HZD	2013	Italy	Valle Paleazza, Lio Piccolo	44°29'24''	12°30'15''