

Censos de aves acuáticas invernantes en Galicia 1996-2015: Cuncas do Miño e de Galicia-Costa

Waterbird winter counts in Galicia 1996-2015: Miño River Basin and Galicia-Costa Basin

SGHN-Sección Ornitología¹

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PALABRAS CLAVE / KEY WORDS

Censos, aves, invernantes, Galicia, Cunca do Miño
Waterbird, winter counts, Galicia, Miño River Basin

RESUMO

A presente publicación recolle os datos dos censos invernais de aves acuáticas por localidades na Cunca do Miño (Baixo Miño, Gándaras de Budiño, encoro de Frieira, encoro de Castrelo, Poza de Maside, Areeiras do Avia, río Barbaña, encoros de Castadón-Cachamuiña, encoro de Velle e Terra Chá) e da Cunca de Galicia Costa (encoros de Forcadas, Sabón, Cecebre, Fervenzas, Portodemouros e Baxe, e lagoa de Sobrado) realizados no mes de xaneiro entre 1996 e 2015 pola Sociedade Galega de Historia Natural (en diante, SGHN) no cadro dos censos coordinados a nivel europeo por Wetlands International.

INTRODUCCIÓN

Para a realización dos censos das 10 localidades da cunca do Miño contouse coa participación dun total de 54 ornitólogos da SGHN (Táboa 1) e para as 7 localidades da cunca de Galicia Costa cun total de 63 ornitólogos da

ABSTRACT

The present publication compiles the data 'by localities' from the waterbird January counts in the Miño River Basin [Baixo Miño (river estuary), Gándaras de Budiño, Frieira Dam, Castrelo Dam, Poza de Maside, Areeiras do Avia (Avia gravelpits), Barbaña River, Castadón-Cachamuiña Dams, Velle Dam and Terra Chá] and the Galicia Costa Basin (Forcadas, Sabón, Cecebre, Fervenzas, Portodemouros and Baxe Dams, and Sobrado lagoon) done by the Sociedade Galega de Historia Natural (Galician Society of Natural History, SGHN) between 1996 e 2015, in the framework of the European censuses coordinated by Wetlands International.

INTRODUCTION

For the waterbird counts of the ten localities of the Miño River Basin, a total of 54 birders from SGHN (Table 1) provided altruistically their work as well as all the equipment required. The same was done for the seven

SGHN (Táboa 2) que aportaron persoalmente tódolos medios necesarios e correron con tódolos gastos; sen a súa colaboración altruísta e esforzada a realización destes censos sería imposible e, polo tanto, non existiría a presente publicación. En sucesivas entregas íranse publicando os datos dos censos por localidades das outras dúas grandes áreas definidas por SGHN (os das Rías Altas do Cantábrico e os da Cuncas do Limia e o Sil xa se publicaron nesta revista, véxanse Braña 15: 22-26, Braña 15: 33-40).

MATERIAL E MÉTODO

Dividiuse Galicia e áreas adxacentes (Foz do Miño e Foz de Ribadeo) en sete áreas definidas por criterios bioxeográficos, prescindindo da división administrativa do territorio: Rías Altas do Cantábrico (4 localidades), Rías Altas do Atlántico (14 localidades), cunca hidrográfica de Galicia Costa (7 localidades), Rías Baixas (7 localidades), Cunca do Miño (10 localidades), Cunca do Sil (10 localidades) e Cunca do Limia (3 localidades). Dependendo da súa superficie e do número de aves acuáticas invernantes, cada unha das localidades foi censada no mes de xaneiro de cada ano por 1-4 equipos de ornitólogos de SGHN (traballando simultánea e coordinadamente no caso de ser varios) empregando o material óptico máis axeitado en cada momento (binoculares e telescopios de diferentes aumentos e luminosidade). A presente serie de censos por localidade rematarase cunha publicación dos datos por especie cunha análise da evolución temporal de cada unha no decenio 2006-15, continuando así os publicados previamente para os quinquenios 1996-2000 e 2001-05.

RESULTADOS E DISCUSIÓN

As táboas amosan, para cada localidade e especie, os datos anuais e os promedios quinquenais.

Na Cunca do Miño, o Baixo Miño é con grande diferenza a localidade que presenta a maior riqueza de especies censadas (70 en total, con cifras anuais entre 25 e 41) grazas á súa condición estuarina, se ben os efectivos de acuáticas invernantes (1000-4300 aves) están no rango das outras dúas localidades máis importantes desta bacía hidrográfica: a Terra Chá (350-6900 aves) e o Encoro

localities of the Galicia Costa Basin by a total of 63 birders from SGHN (Table 2). Therefore, without their generous collaboration the present publication will not be possible. In successive issues, SGHN will continue to publish the waterbird winter counts for the localities of the two big areas defined by SGHN with biogeographic criteria (those from the Rías Altas do Cantábrico and Sil River Basin and Limia were already published in this journal; see Braña 15, 22-26, Braña 15: 33-40).

MATERIAL AND METHOD

Galicia and adjacent areas (Miño estuary and Ribadeo estuary) were divided in seven areas with biogeographic criteria: Rías Altas do Cantábrico (4 localities), Rías Altas do Atlántico (14 localities), Galicia Costa Basin (7 localities), Rías Baixas (7 localities), Miño Basin (10 localities), Sil Basin (10 localities) and Limia Basin (4 localities). Depending on its surface and the number of wintering waterbirds, each locality was annually count in January by 1-4 teams of SGHN birders (working simultaneously and coordinately when more than one team), employing the optical equipment most appropriate in each case (binoculars and telescopes of different characteristics). The present series of censuses by wintering area will be finished by publishing data by species with an analysis of the time evolution in the 2006-15 period, which will continue the previously published for the 1996-2000 and 2001-05 periods.

RESULTS AND DISCUSSION

The tables show, for each locality and species, the data by year and the mean for each five-year period.

In the Miño River Basin, the Baixo Miño is by far the locality of this basin with the highest richness of waterbird species (70 along the studied period; 25-41 species in each year census) thanks to its estuarine condition. However, the number of birds censused in the Baixo Miño (1000-4300 waterbirds) is within the ranges of the other main wintering localities in the Miño River Basin: Terra Chá (350-6900 birds) and Castrelo Dam (800-6200 birds), which have species richness similar between them (total: 33-34 species; annual presence of

de Castrelo (800-6200 aves), con riqueza de especies moi semellantes entre elas (33-34 en total; presenza anual de 9-19 especies), pero lonxe das cifras do Baixo Miño. A continuación atópanse os encoros de Velle e Castadón-Cachamuiña con 24 e 19 especies rexistradas en todo o período (presenza anual de 4-12 e 2-9 especies, respectivamente) e invernadas de 67-451 e 12-564 aves, respectivamente. As Gándaras de Budiño, o Encoro de Frieira, as Areeiras do Avia e o río Barbaña forman outro grupo de similar importancia para a invernada de aves acuáticas con 11-14 especies rexistradas en cada un (presenza anual de 2-9 especies) e uns efectivos de 2-333 aves censadas. Finalmente, a pequena Poza de Maside con só 7 especies rexistradas (1-3 anualmente) e censos invernais inferiores ás 10 aves.

Na Cunca de Galicia-Costa as localidades de invernada máis importantes son os Encoros de Fervenzas e Cecebre, tanto pola riqueza de especies censadas (39-42 rexistradas en total, con cifras anuais entre 5 e 22), como de efectivos invernantes (437-4387 e 393-1093 aves, respectivamente). Un segundo grupo por número de especies invernantes está constituído polo Encoro de Sabón, o Encoro de Forcadas e a Lagoa de Sobrado, cuns totais de 24-25 especies rexistradas e presenza anual de 5-15 especies, situándose os seus efectivos invernantes no rango das 40-550 aves. Por último, os encoros de Portodemouros e Baxe cunha menor riqueza de especies invernantes (14 e 6 especies, respectivamente, con presenza anual de 2-9 especies), pero cuns efectivos censados anualmente (55-510 aves) da mesma magnitude que no grupo anterior.

9-19 species), but much lower than that of Baixo Miño. The following localities in importance were the Velle Dam and the Castadón-Cachamuiña Dams with 24 and 19 species recorded during the whole period (4-12 and 2-9 species, respectively, recorded each year) and winter counts of 67-451 and 12-564 birds, respectively. Gándaras de Budiño, Frieira Dam, Areeiras do Avia and Barbaña River have similar importance for wintering waterbirds, with a total of 11-14 species recorded in each one (2-9 species annually) and 2-333 birds. Finally, the small Poza de Maside with only 7 species registered (1-3 annually) and winter censuses below 10 birds is the least important locality in the basin.

In the Galicia-Costa Basin, the Fervenzas and Cecebre Dams are the localities with the highest richness of waterfowl species (39-42 during the studied period; 5-22 species recorded in each annual census), with ranges of 437-4387 wintering birds in Fervenzas Dam and 393-1093 wintering birds in Cecebre Dam. A second group of wetlands per species richness is constituted by the Sabon Dam, the Forcadas Dam and the Sobrado Lagoon, with a total of 24-25 species recorded during the whole period (5-15 species recorded each year) and winter counts in the range of 40-550 birds. Finally, the Portodemouros and Baxe Dams, with the lowest species richness (14 and 6 species, respectively; 2-9 species annually), both with winter counts (55-510 birds) of the same magnitude than the preceding group.

Táboa 1 / Table 1.
Ornitólogos participantes.
Ornithologists list

AAL: Agustín Alcalde Lorenzo	EMM: Eva Martín Morales	PFF: Pedro Fernández Flores
ABD: Andrés Bermejo Díaz de Rábago	EVP: Emilio Vilariño Picos	PFG: Pilar Fernández González
ACV: Alejandra Couto Vázquez	FCB: Francisco Carballo Benito	PF: Patricia Furelos
AFM: Antonio Fernández Marín	FGV: Francisco Girón Veiga	PGR: Pablo García Rivas
AG: Antonio Gutiérrez	IAM: Ignacio Aparicio Montero	PG: Pablo Gutiérrez
AL: Ana López	IP: Iago Prol	PPC: Pablo Pita Criado
AML: Ana Meijomín López	JBC: J. Alfonso Bara Cerviño	PPP: P. Paz Porto
APL: A. Pérez Ábalo	JIR: Juan José Iglesias Rivera	RAI: Ramón Ábalo Iglesias
AVP: Alberto Vieiro Pampín	JSM: Juan Sánchez Martínez	RBG: Rodolfo Blanco García
AX: Antón Xende, Anxo Xende	JTM: Jesús Taboada Martínez	RFN: Roberto Figueiras Nodar
CCR: Carlos Caramelo Rego	LAR: Luis Alberto Rodríguez	SC: Sabela Cacheda
CNR: Carmen Noya Rey	LCL: Laura Carquijero López	SCP: Sergio Cuadrado Pardo
CPL: Carlos Pedreira López	LFM: Luz Fernández Miraz	SGP: Serafín González Prieto
CPP: Clara Penas Patiño	LRA: Lidia Romero Amich	SRV: Susana Reiriz Vargas
CRG: Carlos Rei Gómez	MAC: Moisés Asensi Cabirta	VR: Víctor Rivera
CRR: Carlos Rei Rafo	ML: Margarita López	VS: Víctor Santiago
CRS: Carlos Rodríguez Silvar	MOF: Marcos Otero Filgueiras	XCP: Xusto Calvo Peña
DPA: D. Piñeiro Angueira	MP: Minia Penas	XPP: Xosé M. Penas Patiño
DVR: Dolores Vázquez Rey	MPP: Manuel Pose Picado	XPE: Xabier Prieto Espiñeira
EAE: Enrique Álvarez Escudero	MPV: Mariña Penas Vázquez	XRM: Xosé Lois Rey Muñiz
EFR: Elisa Freire Ramos	MSA: M. Serodio Alonso	XSC: Xan Santamaría Cameán

	E. Forcadas	E. Cecebre	E. Sabón	E. Fervenzas
1996		AL, CCR, SRV		DVR, XPP
1997		CCR, SRV,	CCR, SRV	XPP, XSC
1998		CCR, SRV,	CCR, SRV	BPR, CPL, JSM, RAI, XPP, XSC
1999	AG, AL, MPP, PF, PFF, PG, PPC, VR, XPE	CCR	CCR, SRV	CPP, EFR, MPV, XPP
2000	XPE	CCR	CCR, SCP	AAL, ABD, AVP, CRR, RBG,
2001	XPE	CCR, SCP	CCR, SCP	CPP, XPP, XSC
2002	MPP, PPC, PPP	CCR, SCP	CCR, SCP	APA, DPA, RP, XPP, XSC
2003	XPE, MOF	CCR, SCP	CCR, SCP	EAE, MPV, MSA, XPP, XSC
2004	XPE, MOF	CCR, SCP	CCR, SCP	CPL, XSC
2005	XPE	CCR, SCP	CCR, SCP	MPV, XPP,
2006	AFM, LFM	CCR, SCP	CCR, SCP	
2007	XPE	CCR, SCP	CCR, SCP	DVR, XPP
2008	XPE	CCR, SCP	CCR, SCP	CPL,MPV, MP, XPP, XSC
2009		CCR, SCP	CCR, SCP	CPL, XPP, XSC
2010		CCR, SCP	CCR, SCP	CPL,IP, MPV, MP, SC, XPP, XSC
2011	XPE	CCR, SCP	CCR, SCP	CPL, XPP
2012	XPE	CCR, IAM	CCR	CPL, MPV, XPP, XSC
2013	EVP, JIR	CCR	IAM	CPL, XSC
2014	XPE	CCR, CRS	IAM	CPL, MPV, VS, XPP, XSC
2015	FGV, XPE	CCR	IAM	CPL, XSC

	E. Portodemouros	E. Baxe	Lagoa Sobrado
1996			AAL
1997			AAL, CRG
1998			AAL, CRG
1999	AAL, FCB, XSC		AAL, FCB, XSC
2000	AAL		AAL, CRG
2001	AAL, AX		AAL, XCP
2002	EAE, MSA		AAL, PGR
2003			FCB, CRG
2004			AAL, AVP, FCB, RFN
2005			
2006			AAL, AML, AVP, FCB, LCL, RFN
2007			AVP, FCB, RFN
2008		RBG	AAL, AVP, EMM, FCB, RFN, XCP
2009		RBG	AAL, AVP, AX, FCB, LAR, RFN
2010			AAL, AVP, RFN
2011	AAL, FCB, JTM, RFN, XPP	XRM	AAL, FCB, RFN, XPP
2012	RFN, JTM	CNR, XRM	FCB, JBC, PFG, RFN, XCP
2013	RFN, JTM	ACV, CRR, LRA, MAC, PFG, SGP, XRM	AAL, AML, AVP, FCB, ML, RFN
2014		CRR, LRA, MAC, PFG, SGP, XCP, XRM	AAL, AVP, FCB, ML, RFN
2015	JTM, RFN	RFN	

ENCORO DE FORCADAS	nc 1996	nc 1997	nc 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015
<i>Tachybaptus ruficollis</i>				8	16	28	25	39	24	11	24	20	25	33	10	9	9	5	8	6	12	25	28	7
<i>Podiceps cristatus</i>												1			27	15	6	22	20	24	0	0	7	17
<i>Podiceps nigricollis</i>						1				1											0	0	0	0
<i>Phalacrocorax carbo</i>								8	4	45	9	6	15	32	20	30	4	18	7	25	0	11	21	17
<i>Ardea cinerea</i>					1	1	1	5	6	6	4	4	2	11	4	8	9	3	5	9	1	4	6	7
<i>Anas strepera</i>						1					8	8							4		0	0	4	1
<i>Anas crecca</i>							1		6	4			26		12	6	4	3	21	20	0	2	10	11
<i>Anas carolinensis (R)</i>																1	1				0	0	0	0
<i>Anas platyrhynchos</i>				9	49	34		23	103	32	22	57	7	7		14	43		68	57	29	38	23	36
<i>Netta rufina</i>										1	1										0	0	0	0
<i>Aythya ferina</i>					36	44				186	15			1		17					18	46	4	3
<i>Aythya collaris (R)</i>								2		2											0	1	0	0
<i>Aythya nyroca</i>						1															0	0	0	0
<i>Aythya fuligula</i>				104	79	63	62	60	28	65	67	22	2	4	3	6					92	56	25	1
<i>Aythya marila</i>							6	3													0	2	0	0
<i>Aythya affinis (R)</i>					1									1							1	0	0	0
<i>Bucephala clangula</i>													2								0	0	1	0
<i>Gallinula chloropus</i>						2		1	5		2	2	5		1						0	2	3	0
<i>Fulica atra</i>				21	14	11	13			114	109	96	93	8		46		1	21	2	18	28	77	14
<i>Vanellus vanellus</i>													5								0	0	1	0
<i>Gallinago gallinago</i>														3	3						0	0	2	0
<i>Actitis hypoleucos</i>				1				2	1												1	1	0	0
<i>Larus ridibundus</i>																				9	0	0	0	2
<i>Alcedo atthis</i>										1											0	0	0	0
<i>Pandion haliaetus</i>																1					0	0	0	0
TOTAL ESPECIES	nc	nc	nc	5	7	10	6	8	8	13	10	9	10	9	8	11	7	6	8	8	6	9	12	8
TOTAL CENSO	nc	nc	nc	143	196	186	108	141	178	469	261	216	182	100	80	153	76	52	154	152	170	216	210	117
Especies 1996-2015		25																						

ENCORO DE CECEBRE	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015	
<i>Tachybaptus ruficollis</i>	16	103	18	65	36	11	13	7	16	5	26	6	1	2	2	1	15	14	15	25	48	10	9	14	
<i>Podiceps cristatus</i>				2				2	4	7	8	7	12	2	3	4	10	12	12	32	0	3	8	14	
<i>Podiceps griseigena</i>	1							1								4		1			0	0	0	1	
<i>Podiceps auritus (R)</i>		2			2																1	0	0	0	
<i>Podiceps nigricollis</i>	1	1												3		1		3			0	0	1	1	
<i>Phalacrocorax carbo</i>	75	44	22	119	120	146	92	100	135	68	45	67	50	81	74	87	217	155	92	97	76	108	79	130	
<i>Phalacrocorax aristotelis</i>		30	50																		16	0	0	0	
<i>Bubulcus ibis</i>											3										0	0	1	0	
<i>Egretta alba</i>																	2	1	1		0	0	0	1	
<i>Egretta garzetta</i>				3		2		5							7		1				1	1	2	0	
<i>Ardea cinerea</i>	27	88	112	90	83	136	65	62	68	89	8	23	29	13	15	22	42	38	10	30	80	84	22	28	
<i>Ciconia ciconia</i>												1									0	0	0	0	
<i>Platalea leucorodia</i>		1																1			0	0	0	0	
<i>Anser brachyrhynchus (R)</i>						1															0	0	0	0	
<i>Anas penelope</i>		14	4	10																	6	0	0	0	
<i>Anas strepera</i>	33	54	34	72	18	12	2	15	12	46	28	17	8	8	2	12	5	5		2	42	17	16	5	
<i>Anas crecca</i>	229	146	74	131	115	160	68	41	190	46	141	112	173	83	128	313	194	174	212	177	139	101	159	214	
<i>Anas platyrhynchos</i>	290	104	100	157	123	108	84	62	102	71	105	86	44	179	205	99	160	88	124	149	155	85	155	124	
<i>Anas acuta</i>						5	1								2						0	1	1	0	
<i>Anas clypeata</i>	7	14	16	28	7		6		5	14	12	5	27	11	13	4	12	4		6	14	5	17	5	
<i>Aythya ferina</i>	15	10		76	14	34	11	21	39	10	13	5	5	20	27	19	5	5		9	23	23	18	8	
<i>Aythya nyroca</i>				3												1					1	0	0	0	
<i>Aythya fuligula</i>			1	12	6	16	24	14	17	8	33	13	6	37	25	39	65	88	22	22	4	16	29	47	
<i>Aythya marila</i>							1								3	1					0	0	1	0	
<i>Clangula hyemalis</i>																		1			0	0	0	0	
<i>Bucephala clangula</i>																	1				0	0	0	0	
<i>Fulica atra</i>	152	255	153	157	29	170	36	53	63	53	46	38	18	8	15	2	4	2	5		149	75	31	3	
<i>Vanellus vanellus</i>		402		157	73	10	85	62	21	18		9	52	210	37	57	15	1	10	31	126	39	77	23	
<i>Calidris alba</i>		27																			5	0	0	0	
<i>Calidris alpina</i>							7														0	1	0	0	
<i>Gallinago gallinago</i>				1													1				0	0	0	0	
<i>Limosa limosa</i>							9														0	2	0	0	
<i>Numenius arquata</i>		1													9	14					0	0	2	3	
<i>Tringa totanus</i>							2														0	0	0	0	
<i>Tringa nebularia</i>																	1	4			0	0	0	1	
<i>Tringa ochropus</i>																		3			0	0	0	1	
<i>Actitis hypoleucos</i>	2			11	3	6	8	2	4	3	2	4	7	6	5	3	4	4	4	4	3	5	6	4	
<i>Larus ridibundus</i>				73		81					nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	15	16	0	0	
<i>Larus fuscus</i>											nc	nc	nc	nc	nc	nc	nc	nc	4	nc	0	0	0	1	
<i>Larus michahellis</i>				13		8					nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	3	2	0	0	
<i>Alcedo atthis</i>																1	2	1			0	0	0	1	
<i>Pandion haliaetus</i>	1					1	1														0	0	0	0	
TOTAL ESPECIES	13	17	11	16	16	15	20	14	13	13	13	14	13	14	17	19	18	22	12	12	15	15	18	17	
TOTAL CENSO	849	1296	584	1093	716	818	604	447	676	438	470	393	432	663	572	684	755	606	511	584	908	597	633	628	
Especies 1996-2015	42																								

ENCORO DE SABÓN	nc 1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015	
<i>Tachybaptus ruficollis</i>		6	2	3	2	4	16	5	4	13	8	17	11		6	3	4	7	19	15	3	8	11	10	
<i>Podiceps auritus (R)</i>							1														0	0	0	0	
<i>Phalacrocorax carbo</i>		8	5	6	3	9	74	11	38	5	15	21	29	46	20	37	37	77	50	70	4	27	33	54	
<i>Bubulcus ibis</i>						1															0	0	0	0	
<i>Egretta garzetta</i>						2			12	3	2		23		5	5		5	9		0	3	8	4	
<i>Ardea cinerea</i>					3	2	7	2	10	2	9	1	14	9	8	5	4	13	8	6	1	5	10	7	
<i>Plegadis falcinellus</i>																	1				0	0	0	0	
<i>Anas strepera</i>											6				2						0	0	2	0	
<i>Anas crecca</i>		18	7	2	25	30	17	27	21		35	9		18		18	12	5	6	2	10	19	16	9	
<i>Anas carolinensis (R)</i>																	2				0	0	0	0	
<i>Anas platyrhynchos</i>		21	71	28	34	55	75	51	18	35	76	18	18	8	12	4	9	2	2	10	31	47	33	5	
<i>Anas clypeata</i>								2													0	0	0	0	
<i>Aythya ferina</i>		8	16	22	44	31		27	17	12	27	22	19	15	6	3	3			2	18	17	22	2	
<i>Aythya collaris (R)</i>								1													0	0	0	0	
<i>Aythya nyroca</i>				1								2		1	1						0	0	1	0	
<i>Aythya fuligula</i>		9	35	10	25	41	46	45	55	41	42	22	34	17	14	5	4	2	4	1	16	46	32	3	
<i>Aythya marila</i>			1			1		1	1		2		1			1					0	1	1	0	
<i>Gallinula chloropus</i>		2	1	3	2							3	13	2	4	6	4	5	2	23	2	0	6	8	
<i>Fulica atra</i>		27	41	40	5	93	38	91	69	154	303	241	135	20	32	35	29	13	25	28	23	89	183	26	
<i>Tringa totanus</i>														1							0	0	0	0	
<i>Actitis hypoleucos</i>						2				1											0	1	0	0	
<i>Larus ridibundus</i>		160					53				nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	32	11	0	0	
<i>Larus michahellis</i>		88					225				nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	18	45	0	0	
<i>Larus fuscus/michahellis</i>		31																			6	0	0	0	
<i>Sterna sandvicensis</i>																		1			0	0	0	0	
<i>Alcedo atthis</i>						1										1			2		0	0	0	1	
TOTAL ESPECIES	nc	11	9	9	9	13	10	10	11	9	11	10	10	11	10	13	10	10	10	9	8	11	13	10	
TOTAL CENSO	nc	378	179	115	143	272	552	262	246	266	525	356	297	139	108	125	107	130	127	157	163	320	356	129	
Especies 1996-2015	26																								

ENCORO DAS FERVENZAS	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996	2001	2006	
	2000	2005	2010																					
<i>Tachybaptus ruficollis</i>		1	2	2		9	2	3	6	4	5	1		8		11	4	11	18	10	1	5	3	
<i>Podiceps cristatus</i>	223	4	4	11	30	17	46	8	31	46	116	57	1	12	15	21	30	52	14	84	54	30	40	
<i>Podiceps grisegena</i>											4										0	0	1	
<i>Phalacrocorax carbo</i>	33	29			56	26	105	24	25	69	25	42	65	7	5	64	142	123	22	195	24	50	29	
<i>Bubulcus ibis</i>				5																	1	0	0	
<i>Egretta alba</i>																					2	0	0	
<i>Ardea cinerea</i>	30	36	17	9	12	8	49	8	23	22	12	9	36	33	9	17	13	21	17	18	21	22	20	
<i>Anser brachyrhynchus (R)</i>			9																		2	0	0	
<i>Anser anser</i>																1					0	0	0	
<i>Branta leucopsis</i>																5					0	0	1	
<i>Aix sponsa</i> ©														1							0	0	0	
<i>Anas penelope</i>						17				20	12		5				30	8	9		5	0	7	3
<i>Anas strepera</i>											8						14	5	12	11		0	0	2
<i>Anas crecca</i>		44	53	251	10	329	243	348	680	385	1380	123	330	270	347	742	701	678	733	653	72	397	490	
<i>Anas platyrhynchos</i>	66	716	473	228	349	191	256	383	713	361	527	556	400	382	473	586	664	786	532	312	366	381	468	
<i>Anas acuta</i>											3				1	2	6	2	2		0	0	1	
<i>Anas clypeata</i>			3			5		9	5		25	1		12	40	12	14	8	13	6	1	4	16	
<i>Aythya ferina</i>		131	195	48	50	114	83	28	149	105	907	268	1	95	35	170	56	54	110	15	85	96	261	
<i>Aythya fuligula</i>		41	77		48	5			26		7	46			65	136	24	47	40		33	6	24	
<i>Rallus aquaticus</i>												1									0	0	0	
<i>Gallinula chloropus</i>															1				1		0	0	0	
<i>Fulica atra</i>																1					0	0	0	
<i>Pluvialis apricaria</i>		466					10	1000					60			139					93	202	12	
<i>Vanellus vanellus</i>	85	2695		7	35	4	161							23	700	700	2	6		22	564	33	145	
<i>Gallinago gallinago</i>								1			2					1	1				0	0	0	
<i>Limosa limosa</i>																1					0	0	0	
<i>Limosa lapponica</i>																2					0	0	0	
<i>Numenius phaeopus</i>											5										0	0	1	
<i>Numenius arquata</i>																	35				0	0	0	
<i>Tringa totanus</i>											1										0	0	0	
<i>Tringa ochropus</i>																			1		0	0	0	
<i>Actitis hypoleucos</i>		1		1		1		1	2		1	1	1	4	2	2		1	1		0	1	2	
<i>Larus ridibundus</i>		86		10		21	6	1	22				1			80					19	10	0	
<i>Larus michahellis</i>		136			1			160	5	76		25		3	90	64	1			11	27	48	24	
<i>Larus fuscus/michahellis</i>						10	6											3	77		0	3	0	
<i>Alcedo atthis</i>																				1	0	0	0	
<i>Pandion haliaetus</i>		1	2	1	1												1			1	1	0	0	
<i>Circus aeruginosus</i>																		1			0	0	0	
TOTAL ESPECIES	5	14	10	11	10	14	11	13	12	9	17	13	9	13	15	22	15	16	15	14	10	12	13	
TOTAL CENSO	437	4387	835	573	592	757	967	1974	1687	1088	3040	1131	899	851	1790	2834	1666	1814	1592	1335	1365	1295	1542	
Especies 1996-2015	38																							

ENCORO DE PORTODEMOUROS	nc 1996	nc 1997	nc 1998	1999	2000	2001	2002	nc 2003	nc 2004	nc 2005	nc 2006	nc 2007	nc 2008	nc 2009	nc 2010	2011	2012	2013	nc 2014	2015	1996	2001	2006	2011
	2000	2005	2010	2015																				
<i>Tachybaptus ruficollis</i>							1									6	5			2	0	1	0	3
<i>Podiceps cristatus</i>																17	44	89		43	0	0	0	48
<i>Phalacrocorax carbo</i>				1	8	12	17									18	37	15		12	5	15	0	21
<i>Ardea cinerea</i>				66	51	28	62									48	19	14		4	59	45	0	21
<i>Ciconia nigra</i>						1															0	1	0	0
<i>Ciconia ciconia</i>																				2	0	0	0	1
<i>Anas crecca</i>																261	1	77		7	0	0	0	87
<i>Anas platyrhynchos</i>				4	5	16	3									154	78	102		37	5	10	0	93
<i>Aythya ferina</i>																1					0	0	0	0
<i>Aythya fuligula</i>																3					0	0	0	1
<i>Mergus merganser (R)</i>						2															0	1	0	0
<i>Actitis hypoleucos</i>						1										7	2	3			0	1	0	3
<i>Larus ridibundus</i>						17										2					0	9	0	1
<i>Pandion haliaetus</i>																		1			0	0	0	0
TOTAL ESPECIES	nc	nc	nc	3	3	7	4	nc	nc	nc	nc	nc	nc	nc	nc	9	7	8	nc	7	3	6	0	8
TOTAL CENSO	nc	nc	nc	71	64	77	83	nc	nc	nc	nc	nc	nc	nc	nc	511	187	306	nc	107	27	32	0	222
Especies 1996-2015	14																							

ENCORO DE BAXE	nc 1996	nc 1997	nc 1998	nc 1999	nc 2000	nc 2001	nc 2002	nc 2003	nc 2004	nc 2005	nc 2006	nc 2007	2008	2009	nc 2010	2011	2012	2013	2014	2015	1996	2001	2006	2011
	2000	2005	2010	2015																				
<i>Tachybaptus ruficollis</i>														2		3	7	6	9		0	0	1	5
<i>Phalacrocorax carbo</i>													11			5	33	15	18		0	0	6	14
<i>Ardea cinerea</i>													288	197		3	6	1	2		0	0	243	2
<i>Aix galericulata (R)</i>																			1		0	0	0	0
<i>Anas crecca</i>																2	2	2		1	0	0	0	1
<i>Anas platyrhynchos</i>													49	15		54	44	78	65	52	0	0	32	59
TOTAL ESPECIES	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	3	3	nc	2	5	5	4	6	0	0	3	4
TOTAL CENSO	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	nc	348	214	nc	56	57	126	87	83	0	0	281	82
Especies 1996-2015	6																							

LAGOA DE SOBRADO	1996	1997	1998	1999	2000	2001	2002	2003	2004	nc 2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2000	2001	2006	2011
<i>Podilymbus podiceps</i>																1				0	0	0	0
<i>Tachybaptus ruficollis</i>	6	6	6	7	5	2	2	2	2		1		1	1	4	2	4	4	9	6	2	1	4
<i>Podiceps cristatus</i>															1	1	1		2	0	0	0	1
<i>Phalacrocorax carbo</i>	3	3	5	2	3	3	3	2					2	1	3	2	1	3	9	3	2	1	3
<i>Egretta alba</i>															1					0	0	0	0
<i>Ardea cinerea</i>	1	1	2	2	1	3	3	3	3		3	3	1	3	3	2	2	2	1	1	3	3	1
<i>Aix galericulata</i> (R)															1					0	0	0	0
<i>Anas penelope</i>				5							1								1	1	0	0	0
<i>Anas strepera</i>														2				2		0	0	0	0
<i>Anas crecca</i>	66	137	64	80	54	42	40	10	51		125	101	52	148	111	331	51	48	111	80	36	107	108
<i>Anas platyrhynchos</i>	81	70	47	148	64	77	36	5	22		38	35	35	58	40	44	80	53	56	82	35	41	47
<i>Anas clypeata</i>	3	6	4	6	6		2										1			5	1	0	0
<i>Aythya ferina</i>		12		11	6	10	14	6	7			1	3	4	7	22	5	1		6	9	3	6
<i>Aythya collaris</i> (R)		1																		0	0	0	0
<i>Aythya fuligula</i>		4			1				1							3			1	1	0	0	1
<i>Bucephala clangula</i>	1	1																		0	0	0	0
<i>Rallus aquaticus</i>																		1		0	0	0	0
<i>Gallinula chloropus</i>	9	10	14	20	3	6	5	2	1		3	1	2		2	1	2	1	11	4	2	1	
<i>Fulica atra</i>	49	33	25	31	51	59	47	8	25		15	12	10	6	4	2	2		38	35	9	1	
<i>Pluvialis apricaria</i>		3													40					1	0	8	0
<i>Vanellus vanellus</i>		105					4												21	1	0	0	
<i>Gallinago gallinago</i>		25					2		1										5	1	0	0	
<i>Actitis hypoleucos</i>	27																		5	0	0	0	
<i>Alcedo atthis</i>									1											0	0	0	0
TOTAL ESPECIES	10	15	8	10	10	8	11	8	10	0	7	6	8	8	12	11	12	7	8	9	9	7	10
TOTAL CENSO	246	417	167	312	194	202	158	38	114	0	186	153	106	223	217	411	152	112	190	228	141	167	216
Especies 1996-2015	24																						

Táboa 2 / Table 2. Ornitólogos participantes. Ornithologists list

AAL: Agustín Alcalde Lorenzo ABC: Alfonso Bara Cerviño ACV: Alejandra Couto Vázquez AML: Ana Meijomín López ARP: Álvaro Rodríguez Pomares AVG: Antonio Villarino Gómez AVP: Alberto Vieiro Pampín IAB: Isabel Álvarez Balvis CA: C. Alonso CAF: César Ayres Fernández CL: Carlos Luciarde CNP: Celso Nieto Pérez CNR: Carmen Noya Rey CPL: Carlos Pedreira López	CRR: Carlos Rei Rañó DR: David Rodríguez DTG: David Tain Guzmán EA: Esther Abad EL: Elena López EMM: Eva Martín Morales FCB: Francisco Carballo Benito FDB: Francisco Docampo Barrueco FJS: F. J. Sánchez FSM: Francisco J. Sánchez Martínez ISM: Iago Sanmartín Villar JAV: José Alfonso Vara JSH: J. A. Soliño Hermelo JBP: José C. Barros Pérez	JG: Juan Gomez JM: Javier Moreiras JMP: José Manuel Pérez Pérez JVM: Julio Valeiras Mouta LAR: Luis Alberto Rodríguez LCL: Laura Carquijero López LRA: Lidia Romero Amich MAC: Moisés Asensi Cabrita MAP: M. J. Armada Pereira MFH: Marcos Freán Hernández MFP: Martín Fernández Pérez ML: Margarita López PFG: Pilar Fernández González RBG: Rodolfo Blanco García RPR: Rafael Pérez Ridaura	RRF: Rubén Rodríguez Fernández SAB: Socorro Álvarez Balvis SBL: Santiago Bas López SG: Saleta González Pimentel SGP: Serafín González Prieto XCP: Xusto Calvo Peña XRM: Xosé Lois Rey Muñiz XM: Xesus Morales XPP: Xosé M. Penas Patiño XSC: Xan Santamaría Cameán YTV: Yolanda Taboada Varela
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	Baixo Miño	Gándaras de Budiño	E. Frieira	E. Castrelo	Pozo de Maside
1996	DTG, FDB	DTG, FDB	MFH, SGP	AVG, IAB, GGM, RPL	
1997	ARP, CRR, DTG, FDB, PFG, RBG	ARP, CRR, DTG, FDB, PFG, RBG, XRM	JMP, SGP	AVG, CNP, IAB, JMP, MFH, RRF, SGP	
1998	AAL, FDB, MFP	FDB, MFP, XRM	RRF, SGP	AVG, CNP, RRF, SGP	
1999	CRR, FDB, PFG, XRM	CRR, JBP	AVL, JMP, SG	AVL, AVG, CNP, JMP, SGP	IAB, MFH
2000	CRR, FDB, RBG, XRM	JBP	JMP, SGP	AVG, IAB, JMP, MFH, RRF, SAB, SGP	IAB, MFH
2001	ARP, CRR, FDB, XRM	XRM	JMP, SGP	AVG, CNP, JMP, SGP	IAB, MFH
2002	CA, CRR, FDB, JSH, MAP	FDB, JSH	YTV	AVG, CNP, JMP, SGP, YTV	IAB, MFH
2003	ARP, FDB, PFG	FDB	YTV	AVG, CNP, JMP, SGP, YTV	SGP
2004	AAL, ARP, FCB, FDB, PFG	XRM	YTV	AVG, CNP, JMP, SGP, YTV	IAB, MFH
2005	ARP, CRR, FDB, MAC, XRM	XRM	JMP, YTV	IAB, MFH, SAB	IAB, MFH
2006	ARP, CRR, FDB, MAC, XRM	XRM	JMP, YTV	AVG, IAB, CNP, JMP, MFH, SAB, YTV	IAB, MFH, SAB
2007	ARP, MFP, XRM	XRM	JMP, YTV	IAB, JMP, MFH, SAB, YTV	IAB, MFH
2008	ARP, MAC, XRM	XRM	ACV, SGP	ACV, JMP, SGP, YTV	IAB, MFH, SAB
2009	ARP, FDB, LRA, MAC, RBG, XRM	XRM	ACV, SGP	ACV, IAB, JMP, MFH, SAB, SGP	JMP
2010	ARP, CRR, LRA, MAC, XRM	XRM	JMP	ACV, IAB, JMP, MFH, SAB, SGP	JMP
2011	ARP, CNR, CRR, LRA, MAC, XRM	XRM	ACV, SGP	ACV, IAB, JMP, MFH, SAB, SGP, YTV	JMP, YTV
2012	ARP, CRR, LRA, MAC, XRM	XRM	JMP, YTV	IAB, JMP, MFH, SAB, YTV	JMP, YTV
2013	ARP, CRR, LRA, MAC, SG, XRM	XRM	JMP, YTV	IAB, JMP, MFH, SAB, YTV	JMP, LLL
2014	ARP, LRA, MAC, SBL, XRM	XRM	SAB, SGP	IAB, MFH, SAB, SGP, RPR	JMP, YTV
2015	ARP, LRA, MAC, XRM	EA	JMP, YTV	IAB, JMP, MFH, SAB, YTV	JMP, YTV

	Areeiras do Avia	E. Castadón-Cachamuíns	Río Barbaña	E. Velle	Terra Chá
1996	AVG, CNP, GGM, JMP, SGP	AVG		IAB, GGM, JMP, MFH, RPL, SGP	AAL, FSM, XCP
1997	AVG, CNP	AVG, CNP		AVG, CNP	AAL, AVP, FCB, FSM, XCP
1998	AVG, CNP	AVG		AVG, CNP	AAL, AVP, CRR, FCB, RBG
1999	AVG	AVG	AVG	AVG, CNP	AAL, AVP, FCB, XCP
2000	IAB, MFH	AVG, CNP	AVG	AVG, RRF	AAL, AVP, FCB, XCP
2001	AVG, CNP	AVG	AVG	AVG, CNP	AAL, XCP
2002	JMP, SGP, YTV	AVG	AVG	AVG, CNP	AAL, AVP, CPL, FCB, FJS, RBG, XPP, XSC
2003	AVG	AVG	AVG	AVG, CNP	AAL, AVP
2004	AVG	AVG	AVG	AVG, CNP	AAL, AVP, FCB, RFN
2005	JMP, YTV	AVG	AVG, CNP	AVG, CNP	AAL, AVP, FCB, RFN
2006	JMP, YTV	AVG	AVG, CNP	AVG, CNP	AAL, AVP, AML, FCB, LCL, RFN
2007	JMP, YTV	AVG	AVG, CNP	AVG, CNP	AVP, FCB, RFN
2008	JMP, YTV	AVG	AVG, CNP	AVG, CNP	AAL, AVP, EMM, FCB, RFN, XCP
2009	JMP	AVG	AVG, CNP	AVG, CNP	AAL, AVP, FCB, JAV, LAR, RFN, XCP
2010	JMP	AVG	AVG, CNP	AVG, CNP	AAL, AVP, RFN
2011	ACV, SGP	AVG	AVG	AVG, CNP	AAL, FCB, RFN
2012	JMP, YTV	AVG	AVG, CNP	AVG, CNP	ABC, FCB, RFN, PFG, XCP
2013	JMP, YTV	AVG	AVG, CNP	AVG, CNP	AAL, AVP, AML, FCB, ML, RFN
2014	JMP, YTV	AVG	AVG, CNP	AVG, CNP	AAL, AVP, EL, FCB, ML, RFN, XCP
2015	JMP, YTV	AVG	AVG, CNP	AVG, CNP	

BAIXO MIÑO	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	nc 2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015	
<i>Gavia stellata</i>																		1				0	0	0	0
<i>Tachybaptus ruficollis</i>	1	2			1	2	2			2	2							1		2		1	2	0	1
<i>Podiceps cristatus</i>														1								0	0	0	0
<i>Podiceps nigricollis</i>	2	1	2	22	26	1	8	3	26	12					5	15	10	18	13	23	11	10	4	16	
<i>Phalacrocorax carbo</i>		158	231	187	262	251	247	203	270	232		53	168	328	164	204	148	245	134	167	168	241	178	180	
<i>Phalacrocorax aristotelis</i>	38						nc										1	5	1		8	0	0	1	
<i>Bubulcus ibis</i>				16		6		1		1											3	2	0	0	
<i>Egretta alba</i>															1		1	1	1	1	0	0	0	1	
<i>Egretta garzetta</i>	7	30	18	17	24	24	21	12	21	24		18	9	14	4	12	14	11	6	15	19	20	11	12	
<i>Ardea cinerea</i>	21	30	42	39	42	41	30	43	59	31		23	50	41	12	5	18	13	6	8	35	41	32	10	
<i>Platalea leucorodia</i>						5	4	4				1	3	1	2	2					0	3	2	0	
<i>Cygnus atratus</i>			1																		0	0	0	0	
<i>Anser brachyrhynchus</i> (R)																		1			0	0	0	0	
<i>Anser albifrons</i>		1																			0	0	0	0	
<i>Anser anser</i>							2	1	5	3			2	3	2		2	1			0	2	2	1	
<i>Branta leucopsis</i>								1													0	0	0	0	
<i>Branta bernicla</i>										1											0	0	0	0	
<i>Alopochen aegyptiacus</i> (R)								2													0	0	0	0	
<i>Anas penelope</i>	38	1	20	1	28	46	26	3	1	20				16			2			7	18	19	4	2	
<i>Anas strepera</i>	12	33	14	7	11	7	7	8	5	6		4		18	16	10	7	14	75	13	15	7	10	24	
<i>Anas crecca</i>	16	686	349	438	342	368	448	235	242	189			3	347	76	282	75	124	139	79	366	296	107	140	
<i>Anas platyrhynchos</i>	309	272	501	799	462	607	381	284	430	491		226	158	290	354	187	264	306	447	335	469	439	257	308	
<i>Anas acuta</i>	3	8	2	4			2	1		3								2			3	1	0	0	
<i>Anas clypeata</i>	2	17	5	9	5	5	1	2				1		1		3					8	2	1	1	
<i>Aythya ferina</i>	9																				2	0	0	0	
<i>Aythya fuligula</i>	439	151	132	74	11	23	11	33		1											161	14	0	0	
<i>Aythya marila</i>				3		1		1													1	0	0	0	
<i>Melanitta nigra</i>		4																			1	0	0	0	
<i>Mergus serrator</i>	5	4	10	26	15		5	10	8	2		7	6	3	5	4		4		6	12	5	5	3	
<i>Mergus merganser</i> (R)		1																			0	0	0	0	
<i>Rallus aquaticus</i>										3		1					1				0	1	0	0	
<i>Gallinula chloropus</i>				2				12	1					3							0	3	1	0	
<i>Fulica atra</i>	18	12		38	13	6	9	6	2	2											16	5	0	0	
<i>Haematopus ostralegus</i>	19	9	51	35	47	21	24	22	70	39		23	24	98	17	40	56	31	44	156	32	35	41	65	
<i>Recurvirostra avosetta</i>														1							0	0	0	0	
<i>Charadrius hiaticula</i>	42	32	72	26	79	26	38	36		27		3	37	43	32	16	83	79	87	114	50	25	29	76	
<i>Charadrius alexandrinus</i>	5	8	1	38	46	66	1	36						19				37		43	20	21	5	16	
<i>Pluvialis apricaria</i>										3											0	1	0	0	
<i>Pluvialis squatarola</i>	56	47	123	126	114	65	99	92	61	36		3	4	51	23	45	59	33	40	39	93	71	20	43	
<i>Vanellus vanellus</i>	48	72	67	88	48	35	49	81	29	26		12	46	23	79	40	3	9		7	65	44	40	12	
<i>Calidris canutus</i>	7	6	4													3		1			3	0	0	1	
<i>Calidris alba</i>	45	36	109	40	86	132	147			92		7	37	62	55	20		208	169	189	63	74	40	117	
<i>Calidris minuta</i>	1																				0	0	0	0	
<i>Calidris maritima</i>			4		3		3		3	1		1	25			1	7	2	8	1	1	1	7	4	
<i>Calidris alpina</i>	15	300	367	61	268	63	156	131	83	129		22		97	89	126	133		73	79	202	112	52	82	
<i>Philomachus pugnax</i>								1													0	0	0	0	
<i>Gallinago gallinago</i>	5			6	2		2	1		3				4							3	1	1	0	
<i>Limosa limosa</i>		3	2		2					1											1	0	0	0	
<i>Limosa lapponica</i>	5	2	7	5	10		5	3	9	3		1	4		3	2	22	13	15		6	4	2	10	
<i>Numenius phaeopus</i>	1	1	1	5	3	1	1	2	2	2			3	1	5	1	3	9	3	5	2	2	2	4	
<i>Numenius arquata</i>	52	14	19	36	31	27	31	29	7	20		20	62	27	47	11	35	44	10	15	30	23	39	23	
<i>Tringa totanus</i>			1	1			1	1												3	0	0	0	1	
<i>Tringa nebularia</i>	11	9	7	13	7	8	20	15	2	11		9		14	11	5	30	21	9	13	9	11	9	16	
<i>Actitis hypoleucos</i>	10	7	5	9	12	24	7	9	10	5		3	5	14	5	11	4	2	11	7	9	11	7	7	
<i>Arenaria interpres</i>	105	12	19	4	27	92	34	43	102	93		28	44	22	35	64	65	103	115	67	33	73	32	83	
<i>Phalaropus fulicarius</i>	1																				0	0	0	0	
<i>Larus melanocephalus</i>													1		2	1	4	1	1	1	0	0	1	2	
<i>Larus ridibundus</i>	nc	nc	288	136	376	nc	236	115	337	306		183	141	196	99	60	39	112	50	88	267	199	155	70	
<i>Larus fuscus</i>	nc	nc	151	102	nc	nc	103	42	nc	213			10	3	15	91	110	24	97	31	127	72	7	71	
<i>Larus argentatus</i>		1																			0	0	0	0	
<i>Larus michahellis</i>	nc	nc	1712	1	nc		nc	2100	nc	nc		351	797	1230	1033	1931	730	1592	1337	1527	1713	2100	853	1423	
<i>Larus fuscus/michahellis</i>														10							0	0	3	0	
<i>Larus hyperboreus</i> (R)							1														0	0	0	0	
<i>Larus marinus</i>	3	4	5	4	5	5	5	2	2	4		2	2		2	16	1	3	1		4	4	2	4	
<i>Larus sp.</i>																		40			0	0	0	8	
<i>Rissa tridactyla</i>			6																		1	0	0	0	
<i>Sterna sandvicensis</i>		3			8	14	7	5	13	7		12	1	5		15	6	9	5	17	2	9	5	10	
<i>Uria aalge</i>												1									0	0	0	0	
<i>Alca torda</i>												2							1		0	0	1	0	
<i>Alcedo atthis</i>							1		1	5											0	1	0	0	
<i>Pandion haliaetus</i>														1		2				1	0	0	0	1	
<i>Circus aeruginosus</i>								2	2											1	0	1	0	0	
<i>Asio flammeus</i>										3											0	1	0	0	
TOTAL ESPECIES	33	35	35	34	33	29	38	39	29	41	nc	28	25	33	29	32	30	34	30	31	34	35	29	31	
TOTAL CENSO	1351	1977	4348	2416	2418	1972	2175	3619	1816	2055	nc	1022	1642	2983	2203	3226	1933	3117	2902	3058	2502	2327	1963	2847	
Especies 1996-2015	71																								

GÁNDARAS DE BUDIÑO	1996	1997	nc 1998	1999	2000	nc 2001	nc 2002	nc 2003	nc 2004	nc 2005	2006	2007	nc 2008	nc 2009	nc 2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015
<i>Tachybaptus ruficollis</i>															2			1		1	0	0	0	0
<i>Phalacrocorax carbo</i>																				2	0	0	0	0
<i>Bubulcus ibis</i>				8																	2	0	0	0
<i>Ardea cinerea</i>	1	13		3	5							1			1				1	1	4	0	0	0
<i>Anas crecca</i>	2	224		86	133						34	16			4	110		7		7	89	0	11	25
<i>Anas platyrhynchos</i>	91	91		33	86						105	62			27	15	9	31	12	14	60	0	39	16
<i>Aythya fuligula</i>															1						0	0	0	0
<i>Rallus aquaticus</i>		2		1													2		1	1	1	0	0	1
<i>Gallinula chloropus</i>	3	3		6	5						5	2				1	2	3	1	3	3	0	1	2
<i>Fulica atra</i>	3			1																	1	0	0	0
<i>Vanellus vanellus</i>					1																0	0	0	0
<i>Gallinago gallinago</i>					4										1						1	0	0	0
<i>Larus ridibundus</i>					3																1	0	0	0
TOTAL ESPECIES	5	5	nc	7	7	nc	nc	nc	nc	nc	3	4	nc	nc	6	3	3	4	4	7	5	nc	3	4
TOTAL CENSO	100	333	nc	138	237	nc	nc	nc	nc	nc	144	81	nc	nc	36	126	13	42	15	29	202	nc	87	45
Especies 1996-2015	13																							

ENCORO DE FRIEIRA	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015
<i>Tachybaptus ruficollis</i>			6	5	5	1	8	2		1	1	1	2	1				2	1	2	3	2	1	1
<i>Podiceps cristatus</i>					1	1			1		2	1									0	0	1	0
<i>Phalacrocorax carbo</i>		4	11	8	68		17	12	16	6			8		5				10		18	10	3	2
<i>Ardea cinerea</i>	13	13	20	6	9	10	7	8	7	5	2	3	1	2	3	5	7	3	7	10	12	7	2	6
<i>Anas platyrhynchos</i>	10	39	26	81	47	35	29	3	42	27	25	30	26	4	2	14	104	46	37	71	41	27	17	54
<i>Aythya fuligula</i>	36	81	23	15	4	16	7		2						4						32	5	1	0
<i>Mergus merganser (R)</i>		1																			0	0	0	0
<i>Gallinula chloropus</i>											1										0	0	0	0
<i>Tringa ochropus</i>																		1			0	0	0	0
<i>Actitis hypoleucos</i>			1																		0	0	0	0
<i>Larus fuscus</i>			1		1	1		1													0	0	0	0
<i>Larus michahellis</i>	8						5	2													2	1	0	0
<i>Alcedo atthis</i>																		1		1	0	0	0	0
TOTAL ESPECIES	4	5	7	5	7	6	6	6	5	4	5	4	4	3	4	2	2	5	4	4	6	5	4	3
TOTAL CENSO	67	138	88	115	135	64	73	28	68	39	31	35	37	7	14	19	111	53	55	84	109	54	25	64
Especies 1996-2015	13																							

ENCORO DE CASTRELO	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015
<i>Tachybaptus ruficollis</i>	3	17	6	21	43	2	34	8	9	19	26	12	19	24	4	12	12	2	11	4	18	14	17	8
<i>Podiceps cristatus</i>	6	39	38	33	49	9	57	48	49	59	61	86	58	76	28	38	87	70	37	12	33	44	62	49
<i>Phalacrocorax carbo</i>	276	365	359	378	318	328	290	187	175	294	373	260	296	279	230	194	248	196	149	151	339	255	288	188
<i>Egretta alba</i>												1									0	0	0	0
<i>Egretta garzetta</i>													1				1				0	0	0	0
<i>Ardea cinerea</i>	66	76	61	52	41	11	18	32	23	36	37	29	31	44	16	25	38	10	9	20	59	24	31	20
<i>Ciconia ciconia</i>					1																0	0	0	0
<i>Anser anser</i>								1													0	0	0	0
<i>Aix galericulata (R)</i>													1					1			0	0	0	0
<i>Anas penelope</i>				2			1			2	2				1						0	1	1	0
<i>Anas strepera</i>	1	2						4									2	6	1		1	1	0	2
<i>Anas crecca</i>		5					4			1	13	1	1	17	1	2					1	1	7	0
<i>Anas platyrhynchos</i>	261	367	276	264	372	178	381	183	350	728	735	727	452	686	789	499	602	610	476	423	308	364	678	522
<i>Anas acuta</i>													1				1	1	1	1	0	0	0	1
<i>Anas clypeata</i>											3										0	0	1	0
<i>Netta rufina</i>	1																				0	0	0	0
<i>Aythya ferina</i>	12	10	1	3	5					3	6	2					2				6	1	2	0
<i>Aythya fuligula</i>	317	224	113	202	138	26	145	50	71	67	97	33	41	80	72	69	94	73	67	32	199	72	65	67
<i>Bucephala clangula</i>											2										0	0	0	0
<i>Rallus aquaticus</i>																	1				0	0	0	0
<i>Gallinula chloropus</i>	1	3		15	22		8	5	5	13	26	7	12	24	5	2	15	8	4	2	8	6	15	6
<i>Fulica atra</i>	85	40	2	27	11	9	3	1	2	12	8	12	17	18	17	9	19	11	5		33	5	14	9
<i>Vanellus vanellus</i>		9													1						2	0	0	0
<i>Gallinago gallinago</i>		2							1				2	1	1	1			2		0	0	1	1
<i>Scolopax rusticola</i>															1	1					0	0	0	0
<i>Actitis hypoleucos</i>		4	16	10	6	6	3	6	16	23	13	7	6	14	25	20	18	21	15	25	7	11	13	20
<i>Larus ridibundus</i>	860	257	326	157	950	137	142	120	37	16	53	1	86	114	118	182	113	76	74	80	510	90	74	105
<i>Larus fuscus</i>	4	30	95	49	187	154	3	7	5	2			2	1	3	3	1	1	16		73	34	1	4
<i>Larus argentatus</i>							7														0	1	0	0
<i>Larus michahellis</i>	1608	1092	2284	4494	2734	5375	294	193	381	178	45	85	23	36	342	265	357	299	281	154	2442	1284	106	271
<i>Larus marinus</i>																	1				0	0	0	0
<i>Alcedo atthis</i>		2		2			1			1					1		1	4	1	2	1	0	0	2
<i>Ciclus cinclus</i>										1								1			0	0	0	0
<i>Pandion haliaetus</i>				1	1				1															

POZA DE MASIDE	nc 1996	nc 1997	nc 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015	
<i>Tachybaptus ruficollis</i>																3				2	0	0	0	1	
<i>Phalacrocorax carbo</i>																		1			0	0	0	0	
<i>Ardea cinerea</i>															1						0	0	0	0	
<i>Aix galericulata</i> (R)												1									0	0	0	0	
<i>Rallus aquaticus</i>																					0	0	0	0	
<i>Gallinula chloropus</i>				8	9	1	7	4	7	8	3	7	2		2		1				2	9	5	3	1
<i>Fulica atra</i>																		1			0	0	0	0	
TOTAL ESPECIES	nc	nc	nc	1	1	1	1	1	1	1	1	2	1	0	3	1	2	2	1	2	1	1	1	2	
TOTAL CENSO	nc	nc	nc	8	9	1	7	4	7	8	3	8	2	0	4	3	3	2	1	4	9	5	3	3	
Especies 1996-2015	7																								

AREIRAS DO AVIA	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015	
<i>Tachybaptus ruficollis</i>	1								2							2				6	3	0	0	1	2
<i>Phalacrocorax carbo</i>				2				1	5			1	2	nc	1	nc	nc	nc				0	1	1	0
<i>Egretta alba</i>												1	1									0	0	0	0
<i>Egretta garzetta</i>													1	1								0	0	0	0
<i>Ardea cinerea</i>			1	4	4	2	3	2	5	3	3	4	2	2				2			1	2	3	2	1
<i>Ciconia ciconia</i>														1								0	0	0	0
<i>Anas penelope</i>														6								0	0	1	0
<i>Anas crecca</i>		11								6	6											2	1	1	0
<i>Anas platyrhynchos</i>	2				2		2	2	27	34	118	34	64	7	2	33		2	7	6	1	13	45	10	
<i>Anas clypeata</i>										2												0	0	0	0
<i>Aythya ferina</i>	16																					3	0	0	0
<i>Aythya fuligula</i>	14	5	1	1	1			5	3		2		4	1							4	4	2	1	0
<i>Gallinula chloropus</i>		7	2	3	3			1	5	2	1	6		4	2	8		3	2	4	3	2	3	3	
<i>Fulica atra</i>		2																				0	0	0	0
<i>Alcedo atthis</i>				1			1												1			0	0	0	0
TOTAL ESPECIES	4	5	3	5	4	1	3	5	6	4	5	5	7	7	3	3	1	2	4	4	4	4	5	3	
TOTAL CENSO	33	26	7	11	8	3	5	14	45	45	129	46	77	22	5	43	2	5	16	14	17	22	56	16	
Especies 1996-2015	15																								

ENCOROS CASTADÓN E CACHAMUIÑA	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015	
<i>Tachybaptus ruficollis</i>	2	2		2	2	4							1								2	1	0	0	
<i>Podiceps cristatus</i>									1													0	0	0	1
<i>Phalacrocorax carbo</i>			1	2			3	6	4	12	1	10	1	nc	nc	nc	nc	nc	6	10	1	5	2	3	
<i>Egretta garzetta</i>																		1				0	0	0	0
<i>Ardea cinerea</i>							2	2	3		3	1	2	1	1	3	1	1			0	1	1	1	
<i>Aix galericulata</i> (R)		1																			0	0	0	0	
<i>Anas penelope</i>		8	2																		2	0	0	0	
<i>Anas platyrhynchos</i>	22	21	48		28	79	18	20	15	6	11	18	116	42	98	59	46	110	58	112	24	28	57	77	
<i>Aythya ferina</i>	13	18		16																	9	0	0	0	
<i>Aythya fuligula</i>	15	287		2		3			3	9			13								61	3	3	0	
<i>Gallinula chloropus</i>								1													0	0	0	0	
<i>Fulica atra</i>													2								0	0	0	0	
<i>Vanellus vanellus</i>		225																			45	0	0	0	
<i>Gallinago gallinago</i>		1																			0	0	0	0	
<i>Tringa ochropus</i>																	1				0	0	0	0	
<i>Actitis hypoleucos</i>	1	1	2		1															2	1	0	0	0	
<i>Larus michahellis</i>										3			4								0	1	1	0	
<i>Alcedo atthis</i>							2	1										1		1	0	1	0	0	
<i>Cinclus cinclus</i>										1					1				1		0	0	0	0	
TOTAL ESPECIES	5	9	4	4	3	3	2	3	7	7	2	3	7	2	3	2	4	3	5	5	5	4	3	4	
TOTAL CENSO	53	564	53	22	31	86	21	28	28	35	12	31	138	44	100	60	51	112	69	127	145	40	65	84	
Especies 1996-2015	19																								

RÍO BARBAÑA	nc 1996	nc 1997	nc 1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015
<i>Phalacrocorax carbo</i>												1		nc			nc	nc		nc	0	0	0	0
<i>Ardea cinerea</i>							1			2	1	3	3	3	1	2	6	2	1	1	0	1	2	2
<i>Anas crecca</i>										3											0	1	0	0
<i>Anas platyrhynchos</i>						22	36	62	164	177	85	235	151	126	150	102	55	115	97	69	0	92	149	88
<i>Gallinula chloropus</i>				35	84	56	58	40	80	79	61	62	57	25	26	9	10	10	10	5	24	63	46	9
<i>Actitis hypoleucos</i>				1	3	1	1	1		2	1	2		1				1		2	1	1	1	1
<i>Larus ridibundus</i>				2	8				1												2	0	0	0
<i>Larus fuscus</i>						1	1		3	1			1								0	1	0	0
<i>Larus michahellis</i>							5		4	3	2	4	10	10	7		nc	nc	nc	nc	0	2	7	0
<i>Alcedo atthis</i>					2			1	2			1	3						1		0	1	1	0
<i>Cinclus cinclus</i>						1	1		2	1	1					1		1			0	1	0	0
TOTAL ESPECIES	nc	nc	nc	3	3	6	7	3	7	9	6	7	6	5	4	4	4	5	4	4	1	6	6	4
TOTAL CENSO	nc	nc	nc	38	95	83	103	103	255	270	151	308	225	165	184	114	72	129	109	77	67	163	207	100
Especies 1996-2015	11																							

ENCORO DE VELLE	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	1996 2000	2001 2005	2006 2010	2011 2015
<i>Tachybaptus ruficollis</i>	2	15	6	13	7	1	9	5	9	15	20	15	11	6		5	8	2	1	5	9	8	10	4
<i>Podiceps cristatus</i>				1			1		1		1				1		1				0	0	0	0
<i>Phalacrocorax carbo</i>			53	5			14	35	12	20			15		37	23	23	15	18	18	12	16	10	19
<i>Egretta garzetta</i>										2											0	0	0	0
<i>Ardea cinerea</i>	11	18	7	16	16	12	7	10	10	7	9	7	4	8	6	7	5	2	4	6	14	9	7	5
<i>Tadorna tadorna</i>				1																	0	0	0	0
<i>Anas penelope</i>		10	2		3				2								1				3	0	0	0
<i>Anas strepera</i>					2																0	0	0	0
<i>Anas platyrhynchos</i>	49	43	78	206	104	40	104	29	120	84	238	86	69	117	64	61	86	54	52	87	96	75	115	68
<i>Anas acuta</i>								1													0	0	0	0
<i>Aythya ferina</i>				6	13		22	2	10	14	2		5	4	3			5			4	10	3	1
<i>Aythya fuligula</i>	15	55	59	185	110	48	50	36	41	39	26	10		14		7	9	1		85	43	10	3	
<i>Aythya marila</i>									1									1			0	0	0	0
<i>Gallinula chloropus</i>	1	1	2	2					1	1	1	1			1		1				1	0	1	0
<i>Fulica atra</i>					1				2		2										0	0	0	0
<i>Gallinago gallinago</i>										3											0	1	0	0
<i>Numenius arquata</i>		1																			0	0	0	0
<i>Tringa ochropus</i>										1											0	0	0	0
<i>Actitis hypoleucos</i>		1						2	1				3								0	1	1	0
<i>Larus ridibundus</i>																					0	0	0	0
<i>Larus fuscus</i>			11												1						2	0	0	0
<i>Larus michahellis</i>			175	17		35	1	1	2				1		2						38	8	1	0
<i>Alcedo atthis</i>		1			1																0	0	0	0
<i>Cinclus cinclus</i>												1									0	0	0	0
TOTAL ESPECIES	5	9	9	9	10	5	8	8	12	10	9	6	7	5	8	5	6	8	5	4	8	9	7	6
TOTAL CENSO	78	145	393	451	258	136	208	119	212	186	300	120	108	149	115	103	124	89	76	116	265	172	158	102
Especies 1996-2015	24																							

TERRA CHÁ	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	nc 2015	1996 2000	2001 2005	2006 2010	2011 2015
<i>Tachybaptus ruficollis</i>	8	2	8	5	5	6	22	9	9	15	7	7	15	11	23	19	17	8	15		6	12	13	15
<i>Podiceps cristatus</i>										1	1	1	6								0	0	2	0
<i>Phalacrocorax carbo</i>					4	60	10	87	74	160	120	108		145	26	74	17	7	109		1	78	80	52
<i>Botaurus stellaris</i>							1														0	0	0	0
<i>Egretta alba</i>													1			1					0	0	0	0
<i>Egretta garzetta</i>										8			1								0	2	0	0
<i>Ardea cinerea</i>	3	8	20	3	5	2	7	4	7	1		9	2	16	3	4	2		3		8	4	6	2
<i>Ciconia ciconia</i>	1		2	3	4	1		2	5	2		1	5	1	4	11	4	3	5		2	2	2	6
<i>Anser brachyrhynchus</i> (R)				1																	0	0	0	0
<i>Anser anser</i>										2											0	0	0	0
<i>Aix galericulata</i> (R)															6						0	0	1	0
<i>Anas penelope</i>	9	15			19	19		3	4	19	19	4	2	7	3	29	2				9	9	7	8
<i>Anas americana</i> (R)											1										0	0	0	0
<i>Anas strepera</i>	8	2		1	2		9	10	4	11	11	7	13	14	6	20	43	13	29		3	7	10	26
<i>Anas crecca</i>	407	557	132	211	498	106	273	60	331	245	180	164	79	282	191	499	316	220	184		361	203	179	305
<i>Anas carolinensis</i> (R)	1	1									1										0	0	0	0
<i>Anas platyrhynchos</i>	457	763	123	296	369	214	356	168	394	295	203	257	152	263	260	315	264	174	526		402	285	227	320
<i>Anas rubripes</i> (R)									1												0	0	0	0
<i>Anas acuta</i>	18	4		2		4										2					5	1	0	0
<i>Anas chlypeata</i>	106	124	43	48	35	91	57	63	84	53	66	80	45	69	170	71	116	78	78		71	70	86	86
<i>Aythya ferina</i>	10			4			21	6		4		4		4	6	2	4	2	1		3	6	3	2
<i>Aythya fuligula</i>	4	9	7	1		14	13	22	17	11	19	6	14	13	17	30	32	2	43		4	15	14	27
<i>Aythya marila</i>																			1		0	0	0	0
<i>Bucephala clangula</i>										1											0	0	0	0
<i>Rallus aquaticus</i>											1		1			1			1		0	0	0	1
<i>Gallinula chloropus</i>	3	2	1	3	2	2	7	1	23	13	10	4	3	3	5	4					2	9	5	1
<i>Fulica atra</i>	77	30	15	28	23	27	46	36	40	41	49	32	52	29	20	27	45	9	8		35	38	36	22
<i>Pluvialis apricaria</i>	9	1000												1000	1	5					202	0	200	1
<i>Vanellus vanellus</i>	189	4000		55	81	14	128		16				804	5000	564	80					865	32	1274	20
<i>Calidris alpina</i>													1								0	0	0	0
<i>Lymnocyptes minimus</i>														1							0	0	0	0
<i>Gallinago gallinago</i>	51			4	2	12	3		10				6						2		11	5	1	1
<i>Numenius arquata</i>	1	14																22			3	0	0	6
<i>Tringa ochropus</i>															2						0	0	0	0
<i>Alcedo atthis</i>																			1		0	0	0	0
<i>Circus aeruginosus</i>											1										0	0	0	0
<i>Asio flammeus</i>																					0	0	0	0
TOTAL ESPECIES	18	15	9	14	14	14	14	13	15	16	16	14	18	16	18	17	12	11	15	nc	14	14	16	14
TOTAL CENSO	1362	6531	351	661	1053	572	953	471	1019	881	690	684	1202	6858	1309	1192	862	538	1006	nc	1992	779	2149	900
Especies 1996-2015	36																							