

Supporting Materials

Numbers and distribution of the Red-breasted
Goose *Branta ruficollis* in southeast Romania

Table S1. Location and coordinates of the goose count points in southeast Romania.

Name of the Special Protected Area (SPAs)	Site code of the SPAs	Latitude	Longitude
Balta Alba–Amara–Jirlau Lakes	ROSPA0004	45.2153	27.2808
Balta Alba–Amara–Jirlau Lakes	ROSPA0004	45.2941	27.3485
Balta Alba–Amara–Jirlau Lakes	ROSPA0004	45.1656	27.2176
Lake Tataru	ROSPA0006	44.8111	27.4228
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.9954	28.8972
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.5431	28.7216
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.9974	28.9448
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.7620	28.8950
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.5299	28.6892
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.9644	28.8635
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.8065	28.9057
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.0368	29.1528
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.9267	28.8542
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.0150	29.0816
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.6260	28.7993
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.4664	28.7508
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.7459	28.8144
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.9348	28.7776
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.9901	29.1612
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.2759	28.9329
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.3074	29.0319
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.3182	29.1611
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.3590	29.2386
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.3676	29.0815

Table S1 (*continued*).

Name of the Special Protected Area (SPAs)	Site code of the SPAs	Latitude	Longitude
Danube Delta and Razim–Sinoe Complex	ROSPA0031	45.1815	28.6731
Danube Delta and Razim–Sinoe Complex	ROSPA0031	44.4871	28.6907
Ianca–Plopu–Sarat Lakes	ROSPA0048	45.1409	27.4855
Ianca–Plopu–Sarat Lakes	ROSPA0048	45.1808	27.6230
Ianca–Plopu–Sarat Lakes	ROSPA0048	45.2315	27.6390
Ianca–Plopu–Sarat Lakes	ROSPA0048	45.2079	27.6794
Lake Calarasi	ROSPA0051	44.2289	27.2338
Lake Oltina	ROSPA0056	44.1625	27.6635
Lake Strachina	ROSPA0059	44.6793	27.5975
Bertestii de Sus–Gura Ialomitei	ROSPA0111	44.7654	27.7211
Great Island of Braila	outside SPA	45.1601	28.0499
Great Island of Braila	outside SPA	44.9821	28.0302
Great Island of Braila	outside SPA	44.8525	28.0087

Table S2. Summary table of all counts of wintering Red-breasted Geese in southeast Romania in the period 2012–2022. Note: – = sites not counted; 0 = sites counted but no geese present.

Sites/Count dates	Calarasi Lake	Strachina Lake	Bertșii de Sus– Gura Ialomitei	Balta Alba– Amara– Jiriau Lakes	Tataru Lake	Ianca– Popu– Sarat Lakes	Great and Small Islands of Braila	Olina Lake	Istria– Nuntasi Lakes	Sinoe Lake	Delta– Pardina Lake	Delta– inland lakes	Murighiol– Dunavat lakes	Sabangia– Sarichioi	Salcioara– Jurilovca	Babadag Lake	Secete Traian	TOTAL
26–27 Feb 2022	55	0	0	2	1	2	103	–	326	210	60	–	10	0	150	0	0	919
12–13 Feb 2022	60	135	68	6	1	27	10,878	150	2,012	64	85	30	1,851	0	470	0	5,057	20,894
29–30 Jan 2022	554	3	7	0	0	1	8,800	120	39	4,648	555	209	1,650	1,765	587	645	4,200	23,783
15–16 Jan 2022	34	7	2	1	5	52	9,841	60	253	452	320	–	27	180	8	0	0	11,242
18–19 Dec 2021	9	0	447	3	518	60	779	0	10	0	656	–	195	317	25	0	0	3,019
4–5 Dec 2021	162	20	1	105	861	0	466	–	0	70	446	–	24	10	26	0	0	2,191
19–21 Nov 2021	1	174	5	531	480	392	963	0	0	9	40	–	0	60	35	0	0	2,690
27–28 Feb 2021	71	10	783	20	142	4	374	30	182	321	8,548	–	23	0	50	0	–	10,558
13–14 Feb 2021	70	26	89	16	78	58	3,676	130	263	259	7,958	–	7	28	350	17	–	13,025
30–31 Jan 2021	20	78	0	5	23	10	3,880	150	147	940	8,390	180	3,471	427	477	370	–	18,568
16–17 Jan 2021	100	0	0	0	46	30	4	5,908	50	67	3	1,616	–	2,416	61	0	140	10,441
19–20 Dec 2020	320	760	1,570	240	89	290	4,201	–	10	10	623	–	6,030	38	28	0	–	14,209
5–6 Dec 2020	–	2,680	33	5,602	–	170	646	150	0	6	1,823	–	644	1,812	6	323	–	13,895
21–22 Nov 2020	68	1,418	48	7,565	11	820	1,171	200	3	63	390	–	868	1,999	8	80	17	14,729
22–23 Feb 2020	45	1,420	0	124	178	7	1,560	–	0	0	5,900	–	–	19	200	0	0	9,453
08–09 Feb 2020	34	0	0	274	10	0	0	–	–	2,067	480	–	442	955	0	321	–	4,583
09–10 Jan 2020	350	1,678	0	972	0	0	4,660	27	67	980	2,080	–	253	10	7	800	2,500	14,384
14–15 Dec 2019	4	80	753	891	3	117	3,163	–	120	68	6,150	–	–	818	671	0	29	12,867
23–24 Nov 2019	63	176	80	1,176	7	94	929	–	–	5	720	–	5	100	0	80	0	3,435
09–10 Nov 2019	20	0	0	2,280	8	–	199	–	–	3	1,100	–	–	–	0	0	0	3,610
08–10 Feb 2019	1,630	75	324	13	547	201	–	–	743	–	5,004	–	33	0	0	1,089	120	9,779
11–13 Jan 2019	275	0	0	6	0	9	–	–	1,480	2,500	–	4	0	13	0	4,000	–	8,287
13–16 Dec 2018	0	1	0	1,157	17	0	323	0	1,150	5,119	280	–	37	2,770	0	0	–	10,854
22–25 Nov 2018	53	0	0	2,042	55	650	–	0	28	61	–	–	0	604	11	250	28	3,782
9–11 Nov 2018	380	599	0	2,014	222	0	–	–	–	0	2,259	–	–	–	–	70	–	5,544
09–13 Feb 2018	320	37	27	–	–	–	1,272	–	–	0	2,030	–	0	–	–	0	2,000	5,686
25–28 Jan 2018	69	–	–	2	–	–	–	–	612	1,500	70	–	64	5	60	0	3,075	5,457
11–15 Jan 2018	435	4,037	225	4	109	–	–	–	4,100	257	1,380	–	1	1	975	0	5,100	16,624
15–17 Dec 2017	739	1,039	–	300	530	40	245	–	–	353	2	–	39	25	172	1,251	–	4,735
03–05 Dec 2017	728	–	1,325	4,780	1,983	85	150	–	110	221	–	–	10	70	–	140	–	9,602

Table S2 (continued).

Sites/Count dates	Calarasi Lake	Strachina Lake	Bertesii de Sus- Gura Ialomitei	Balta Alba- Amara- Jiriau Lakes	Tataru Lake	Ianca- Popu- Sarat Lakes	Great and Small Islands of Braila	Oltina Lake	Istria- Nuntasi Lakes	Sinoe Lake	Delta- Pardina inland lakes	Murighiol- Dunavat	Sabangia- Sarichioi	Salcioara- Jurilovca	Babadag Lake	Sacel Traian	TOTAL	
14-20 Nov 2017	330	1	677	1,990	668	530	52	-	83	-	28	-	2	324	-	400	-	5,085
25-26 Feb 2017	117	25	350	-	-	-	50	300	280	1,100	2,000	-	0	590	-	0	3,800	8,612
11-12 Feb 2017	-	0	-	-	-	-	-	-	3,500	10	-	5	133	-	0	-	-	3,648
14-15 Jan 2017	0	0	0	0	-	-	-	-	0	20	-	-	0	786	0	0	-	806
17-18 Dec 2016	3,169	1,600	-	100	1,470	-	1,919	-	200	2,262	80	-	547	1,752	5,000	3,200	850	22,149
26-27 Nov 2016	-	900	-	2	1,785	112	10	-	0	40	730	-	715	-	370	0	-	4,664
13-14 Feb 2016	150	-	1,008	12	180	-	55	43	524	3,300	500	-	3,000	-	4,300	0	1,554	14,626
16-17 Jan 2016	0	250	0	0	0	-	-	-	1,500	1,693	2,000	-	11	3,000	0	0	-	8,454
26-27 Dec 2015	1,745	35	450	-	1,237	-	-	-	2,500	400	-	-	125	305	-	600	601	7,998
25-28 Nov 2015	620	-	-	2,510	20	13	1,600	-	-	500	-	-	12	-	-	5	5,280	
14-15 Feb 2015	11	-	110	7	-	-	7,000	10	130	4	10,080	-	-	-	1,500	0	-	18,852
30-31 Jan 2015	-	-1	-	0	-	-	-	-	0	-	-	-	35	-	-	0	-	35
17-18 Jan 2015	2,000	0	-	0	-	-	-	-	0	50	-	-	0	6	63	154	-	2,273
27-28 Dec 2014	-	-1	-	-	-	-	-	-	4,000	-	-	-	-	52	-	0	-	4,052
13-14 Dec 2014	1,258	1,680	-	-	-	-	2,320	100	250	2,161	-	260	90	450	555	0	-	9,124
29-30 Nov 2014	200	2,000	-	280	-	1,266	-	-	37	500	300	15	35	980	185	0	-	5,798
15-16 Feb 2014	2,000	100	-	-	-	-	4,000	-	-	280	-	-	-	-	665	0	-	7,045
1-2 Feb 2014	-	-1	-	-	-	-	-	-	-	-	-	-	-	-	0	0	-	0
18-19 Jan 2014	0	1,500	2,000	-	100	76	2,000	-	1,010	280	-	310	37	76	2,200	0	-	9,589
4-5 Jan 2014	-	1,125	-	-	-	-	-	-	-	-	-	13	-	-	688	0	-	1,826
21-22 Dec 2013	-	349	-	-	-	-	-	-	706	1,171	-	-	-	-	1,700	650	-	4,576
7-8 Dec 2013	1,200	2,200	-	3,990	-	-	-	-	40	315	-	5	270	13	163	658	-	8,854
16-17 Nov 2013	194	2,869	-	6,500	26	-	-	-	-	14	-	-	104	25	300	0	36	10,068
2-3 Nov 2013	-	-1	-	-	-	-	-	-	24	-	-	-	8	-	-	0	-	32
16-17 Feb 2013	-	-1	-	-	-	-	700	-	-	187	-	270	-	-	267	-	-	1,424
2-3 Feb 2013	3,800	-	-	-	-	-	-	-	150	-	-	62	-	-	40	-	-	4,052
26-27 Jan 2013	8,000	0	-	-	-	-	-	-	-	-	35	545	0	-	80	-	-	8,660
12-13 Jan 2013	-	0	-	-	-	-	190	94	200	300	-	59	12	280	-	-	-	1,135
17-18 Dec 2012	-	-1	-	-	-	-	500	2,500	160	-	-	120	700	63	100	12	-	4,855
1-2 Dec 2012	-	-1	-	-	-	-	300	-	295	-	-	323	130	250	455	-	-	1,753
17-18 Nov 2012	250	-	-	250	-	-	-	-	-	70	500	-	-	290	310	50	17	1,737
3-4 Nov 2012	-	-1	-	180	-	-	300	-	-	-	30	30	-	-	109	0	-	649