

Table 1. The list of birds of High-mountain Daghestan indicating their residence status, habitat (bird community) and average abundance of species.

Notes: Residence status: R– sedentary and sedentary-nomadic; B– nesting migrants; PB– supposedly nesting migrants; P– transit; I– accidental or rare visitors. Bird communities (bird species): 1– of forests; 2– of subalpine meadows; 3– of agrolandscapes (fields, orchards, vegetable gardens); 4– of cliffs and rock outcrops; 5– synanthropic and conventionally synanthropic; 6– of tree-shrub vegetation; 7– of alpine meadows; 8– hoverers; 9– subnival-nival; 10– waterbirds; 11– airborne birds.

#	Species	Status	Bird communities	Average species abundance (ind./km ²) in key sites													
				Verkhnee Gubinski	Kosob	Takhota	Salda	Gortnob	Gochob	Urukht-	Tlyarosh	Moshob	Karanub	Rutul	Dzhaba	Kurush	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	
1	<i>Pernis apivorus</i> L.	P B	1, 8	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	<i>Accipiter gentiles</i> L.	R	1, 5, 8	0.6	0.8	0	0	1	0	0	0	0.8	3.3	1.3	1.3	0	0
3	<i>Accipiter nisus</i> L.	R	1, 5, 8	2	0.8	0	1.4	1	1.7	0.7	0	0.9	4.2	1.9	0.6	0	0.3
4	<i>Buteo rufinus</i> Cretzs.	B	1, 4, 8	0.4	0	1.4	4.3	0	0	0	1.1	0	0.7	0	0	0	0
5	<i>Buteo buteo</i> L.	R	1, 3, 8	0	0	0	3.1	1	0	0.6	1.2	2.6	3.8	0.2	0	0	0.2
6	<i>Aquila chrysaetos</i> L.	R	4, 7, 8	0.2	0.3	0.3	0.1	0.7	0.2	0	0.4	0.1	0	0.3	0	0	0
7	<i>Gypaetus barbatus</i> L.	R	2, 4, 7, 8	1.4	1.6	1.5	0	3.3	1.2	0.5	0.7	0.1	1	0	2	0.2	0.2
8	<i>Aegypius monachus</i> L.	R	1, 2, 4, 8	0	3.1	0.3	0	0	0	0.2	0.9	0	0.2	0	0	0	0
9	<i>Gyps fulvus</i> Hab.	R	2, 4, 8	0.1	2.5	0	0	4.4	1.9	0.3	3.9	0.1	0.9	0.1	0	0	0
10	<i>Falco cherrug</i> Gray	B	1, 2, 4, 8	0.8	0	0	0	1	0	0	0	0	0	0	0	0	0.3
11	<i>Falco subbuteo</i> L.	B	3, 2, 5, 8	0	0	0	0	0	0	0	0.4	0	0	1.2	0	0	0
12	<i>Falco columbarius</i> L.	P	2, 6, 8	0	0	0	0	0	0	0	3.3	0	0	0	0	0	0
13	<i>Falco tinnunculus</i> L.	R	2, 3, 4, 8	0	0.9	0	0	1.2	1.7	0	1.4	0	0.7	0	13.3	1.4	0
14	<i>Lyrurus mlokosiewiczii</i> Tacz.	R	2, 6, 7	3.5	0	0	3.5	0.6	0	0	4.5	0	0.8	0	0	0	0
15	<i>Tetraogallus caucasicus</i> Pall.	R	7, 9	0.8	7.3	2.2	4.2	0	0	0	5	0	0	0	0	0	1
16	<i>Alectoris chukar</i> Gray	R	2, 4, 6	0	5	0	0	2	0	0	0	20	0	0	13.3	0	0
17	<i>Perdix perdix</i> L.	R	2, 3	0	0	0	0	1	0	0	0	20	0.6	16.7	17.0	0	0
18	<i>Coturnix coturnix</i> L.	B	2, 3	0	2.5	6.7	0	1.2	0	0	0.3	0	0	0	0	0	0.8
19	<i>Crex crex</i> L.	I	2, 10	0	0	0	1.4	0	0	0	0	0	0	0	0	0	0
20	<i>Tringa ochropus</i> L.	P	10	0	0	0	1.4	0	0	0	0	0	0	0	0	0	0
21	<i>Actitis hypoleucos</i> L.	B	10	0	0	0	2.5	0	0	0	33.3	0	0	0	0	0	0

22	<i>Scolopax rusticola</i> L.	P 1	0.5	0	0	0	2	0	0	0	0	0	0	0	0
23	<i>Columba palumbus</i> L.	B 1	0	0.8	2.2	0	0.6	0	0	2.2	0	0	0	0	0
24	<i>Columba livia</i> Gmel.	R 3, 5	8.8	0	23.3	14	45.6	26.7	14.8	10.6	48	29.7	6.7	6.7	5.9
25	<i>Streptopelia turtur</i> L.	P B 1	0.1	0	0	0	0	0	0	0	0	0	0	0	0
26	<i>Cuculus canorus</i> L.	B 1, 6	2.4	0	0	3.2	0	0	0	0	0	0	0	0	2.9
27	<i>Bubo bubo</i> L.	R 1, 4	0.2	0	0	0	0	0	0	0.5	0	0	0	0	0
28	<i>Asio otus</i> L.	R 1	0	0	0	0	0	0	0	0	1.3	0	0	0	0
29	<i>Otus scops</i> L.	B 1	0	0	0	0	0	0	0	0.7	0	0	0	0	0
30	<i>Aegolius funereus</i> L.	P B 1	0	0	0	0	1	0	0	1.3	0	0	0	0	0
31	<i>Athene noctua</i> Scop.	R 5	0	0	0	0	0	1.7	1.8	0.7	3.3	0.6	0	6.7	0
32	<i>Apus apus</i> L.	B 4, 5, 11	0	0.5	0	0	0	0	0	0.6	0.4	0	0	0	12.8
33	<i>Apus melba</i> L.	B 4, 11	0.8	5.3	0	0	0	0	0	1.8	0.1	0	0	0	11.5
34	<i>Merops apiaster</i> L.	P 2, 11	0.1	0	0	0	0	0.5	0.8	0.8	6.1	2.8	0	0	3.9
35	<i>Upupa epops</i> L.	B 2, 3, 5	0	2	0	0	0	2.8	0	1.5	1.7	0	0	0	2.7
36	<i>Picus viridis</i> L.	R 1, 3, 6	1.7	6.8	1.7	0	0	1.6	0	2	2.2	3.8	4	0	0
37	<i>Dryocopus martius</i> L.	R 1	0	1.3	0	0	0	0	0	0.3	0	1.3	0	0	0
38	<i>Dendrocopus major</i> Blyth	R 1, 3, 6	2	2	0	0	1	0	0	3.1	2.2	2.8	0	0	0
39	<i>Ptyonopronge rupestris</i> Scop.	B 4, 11	1.5	9.2	7.8	15.8	0	7.4	9.3	2.9	7.8	5.7	0	0	0
40	<i>Hirundo rustica</i> L.	B 5, 11	0	0	0	0	0	0	0	0	0	0	0	0	2
41	<i>Delichon urbica</i> L.	B 2, 4, 5, 11	8.2	8.6	6.5	24	0	2.8	0	7.4	32	4.9	0	0	0
42	<i>Galerida cristata</i> L.	I 5	0	0	0	0	0	0	0	1.7	0	0	0	0	0
43	<i>Eremophila alpestris</i> L.	R 2, 7	0	0	0	0	0	0	0	3.5	0	0	0	0	0
44	<i>Lullula arborea</i> L.	B 2, 6	0	0	0	1.4	0	0	0	1.4	0	0	0	0	0
45	<i>Alauda arvensis</i> L.	B 2, 3	0	0	0	0	2	0	0	10	0	0	0	19.3	14.2
46	<i>Anthus trivialis</i> L.	B 1, 2, 6	2	0	0	0	2.1	13	3.3	2.3	41.8	18.4	3.7	0	6.7
47	<i>Anthus pratensis</i> L.	P 2, 3	0	0	0	0	0	3	0	6.1	9.1	6.8	2.7	0	0
48	<i>Anthus spinoletta</i> L.	B 2, 4, 7	8.8	0	0	0	1	2	0	1.6	0	0	0	0	4.4
49	<i>Motacilla cinerea</i> Tuns.	B 5, 10	5	7.5	11.7	16.8	3.1	2	18	4.9	3.3	11.1	0	0	1.3
50	<i>Motacilla alba</i> L.	B 5, 10	25.9	0	16.7	7	5.5	3.5	2.6	6.9	6.9	1.9	2.5	0	9.3

51	<i>Lanius collurio</i> L.	B	2, 3, 6	17. 3	0	8. 1	11 .8	0	44 .8	23 .6	9. 4	6. 9	23	0	0	2.5
52	<i>Oriolus oriolus</i> L.	I	1	0	0	0	0	0	0	0	1. 5	0	0	0	0	0
53	<i>Sturnus vulgaris</i> L.	P	5	0	0	0	0	0	0	0	1. 7	0	0	0	0	0
54	<i>Sturnus roseus</i> L.	I	4	0	0	0	0	0	0	0	1. 7	0	0	0	0	0
55	<i>Garrulus glandarius</i> L.	R	1, 3, 5, 6	9	7	1. 7	6. 9	13 .9	3. 3	2	5. 3	3. 5	3. 9	16 .5	6. 7	0
56	<i>Pica pica</i> L.	R	3, 5	1.3	0	0	0	2. 7	6. 7	0	2. 2	0	1. 6	9. 3	12	0
57	<i>Pyrrhocorax pyrrhocorax</i> L.	R	2, 4, 7, 9	0	1. 8	0. 8	1. 7	4. 9	1. 4	11 .4	4. 6	0	2	0	60	19. 6
58	<i>Pyrrhocorax graculus</i> L.	R	4, 7, 9	3.4	1 2	0	0	0	0	0	0	0	0	0	0	0.9
59	<i>Corvus cornix</i> L.	R	3, 5	0.4	0	4. 2	0. 9	5. 3	0	0	2. 6	0	4	0. 8	6. 7	0
60	<i>Corvus corax</i> L.	R	2, 3, 4	0	1. 5	1	0. 9	21 3	0. 8	0. 1	1. 1	1	2. 8	0. 3	13 .3	0.3
61	<i>Cinclus cinclus</i> L.	R	10	0	2	3. 3	1. 4	4. 7	0	12	2. 9	0	0	2. 3	0	0
62	<i>Troglodytes troglodytes</i> L.	R	1, 3, 5, 6	10	2 4. 8	3. 8	4. 5	8. 5	0	1. 9	5. 1	21 .7	4. 6	2. 5	0	0
63	<i>Prunella collaris</i> Scop.	R	4, 7, 9	2.5	1 4	0	0	0	0	0	0	0	8. 3	0	0	0
64	<i>Prunella modularis</i> L.	R	1	0	6. 5	3. 9	0	4. 8	0	0	6. 9	0	4. 4	2. 9	0	0
65	<i>Acrocephalus palustris</i> Bech.	B	2, 7, 10	0	0	0	0	0	0. 6	0	0	0	0	0	0	0
66	<i>Hippolais pallida</i> Hemprich et Ehrenberg	P B	6	0	0	0	0	0	0	0	5. 2	0	0	0	0	0
67	<i>Sylvia communis</i> Lath.	B	2, 3, 6	2	8. 2	6. 7	6. 1	0	5. 4	2	3. 1	17 .7	1. 8	0	0	0.8
68	<i>Sylvia curruca</i> L.	P B	3, 6	0	0	0	0	0	4. 2	0	6	0	0	0	0	0
69	<i>Phylloscopus lorenzii</i> Lorenz	R	1, 2, 6	5	1 6. 3	6. 7	0	10 .8	0	54 .2	8	16 .7	7. 4	16 .6	0	25. 9
70	<i>Phylloscopus trochilus</i> L.	P	1, 6	0	0	0	0	0	0	1. 8	0	0	0	0	0	0
71	<i>Phylloscopus collybita</i> Vieil.	B	1	3.3	4. 8	0	0	0	0	0	2. 3	0	0	5. 7	0	0
72	<i>Phylloscopus nitidus</i> Blyth	B	1	74. 1	5 9. 6	11 .3	23 .7	0	6. 9	48 .8	13 .2	44 .4	26 .9	1. 5	0	0
73	<i>Regulus regulus</i> L.	R	1	0	4	0	0	0	0	0	6	0	13 .1	0	0	0
74	<i>Ficedula parva</i> Scop.	P B	1	0	2. 3	0	0	0	0	0	0	8. 3	3	0	0	0
75	<i>Saxicola rubetra</i> L.	B	2, 3	0	2 4	0	0	0	4. 2	9	1. 5	26 .7	6. 3	0	0	6.7
76	<i>Saxicola torquata</i> L.	B	2, 3	0	2 7. 5	3. 9	0	0	0	0	0	0	0	2. 5	0	1.7

77	<i>Oenanthe oenanthe</i> L.	B	2, 4, 5	0	0	0	0	0	1. 4	28 .3	0	5. 1	0	2. 2	0	0	7.5
78	<i>Oenanthe isabellina</i> Temm.	B	4, 5	5	0	6. 7	0	0	0	0	0	12	20	0	0	0	3
79	<i>Monticola saxatilis</i> L.	B	2, 4, 7	0	0	0	0	0	1. 1	0	0	4	0	0	0	0	2
80	<i>Monticola solitarius</i> L.	B	2, 4	0	0	0	0	0	0	0	0	3. 3	0	0	0	0	0
81	<i>Phoenicurus phoenicurus</i> L.	B	1, 3, 6	2	8	3. 7	5. 8	4. 3	1. 1	6. 2	5	14 .2	8. 4	4. 4	0	0	0
82	<i>Phoenicurus ochruros</i> Gmel.	B	2, 3, 4, 5,7	22. 2	0	12 .9	5. 9	4. 2	5. 3	2. 4	5. 2	20 .5	17 .5	4. 3	0	2.9	0
83	<i>Phoenicurus erythrogaster</i> Güld.	R	4, 7, 9	0	0	0	0	0	0	0	0	8. 3	0	0	0	0	0
84	<i>Erythacus rubecula</i> L.	R	1, 3, 5, 6	1.3	9. 3	1. 9	1. 4	5. 7	0	0	1. 7	10	0	3. 2	0	0	0
85	<i>Luscinia svecica</i> L.	I	6	0	0	0	0	0	0	0	0	1. 5	0	0	0	0	0
86	<i>Turdus torquatus</i> L.	R	1, 2, 3, 6	3.3	2	8. 3	14	2	22 .7	0	1. 9	13 .3	7. 8	0	0	0	0
87	<i>Turdus merula</i> L.	R	1, 3, 5, 6	42. 7	1 0. 7	7. 8	5. 1	8. 5	12 .4	4. 5	21 .6	8. 3	5. 3	3	0	0	0
88	<i>Turdus iliacus</i> L.	P	6	0	0	0	1. 7	0	0	0	0	1. 3	0	0	0	0	0
89	<i>Turdus viscivorus</i> L.	R	1, 6	2	1 3. 5	0	10 .2	6. 4	3. 6	0	3. 3	5	7. 9	5. 7	0	0	0
90	<i>Aegithalos caudatus</i> L.	R	1, 6	0	0	0	7. 1	18 .6	0	9. 8	6	0	6. 3	7. 8	0	0	0
91	<i>Parus ater</i> L.	R	1	0	6 4. 5	8. 1	3. 6	6. 8	0	5. 6	17 .4	78 .3	8	14 .6	0	0	0
92	<i>Parus caeruleus</i> L.	R	1, 3, 5	0	4	1. 1	0	0	0	0	0	0	2	0	0	0	0
93	<i>Parus major</i> L.	R	1, 3, 5	9.3	1 7. 4	11	12 .6	9. 1	4. 6	7. 8	11 .9	2. 5	2. 8	3. 4	0	0	0
94	<i>Tichodroma muraria</i> L.	R	4	0	1 2	2. 2	0	0	0	0	1. 7	0	0	0	0	0	0
95	<i>Certhia familiaris</i> L.	R	1	0	1 4. 2	0	2. 9	1	0	5. 8	7. 3	0	3. 8	0. 6	0	0	0
96	<i>Passer domesticus</i> L.	R	3, 5	0	0	0	0	0	2. 5	0	0	0	0	0	0	0	6.7
97	<i>Passer hispaniolinsis</i> Temm.	I	3	0	0	0	0	0	0	0	0	1. 5	0	0	0	0	0
98	<i>Passer montanus</i> L.	R	3, 5	15. 5	0	41 .7	56 .2	13 4	21 .6	16	39 .4	0	10 8. 8	8	0	1.7	0
99	<i>Petronia petronia</i> L.	R	2, 4	15	0	0	0	0	53 .3	0	0	0	0	0	0	0	0
100	<i>Montifringilla nivalis</i> L.	R	2, 4, 7, 9	0	0	0	0	6	0	0	0	0	0	0	0	0	6
101	<i>Fringilla coelebs</i> L.	R	1, 3	15. 7	1 2. 9	10 .5	3	29 .3	1	3	4. 7	15	7. 1	2. 5	0	0	0

