

**SUPPORTING INFORMATION / INFORMAZIONI SUPPLEMENTARI**

Tab. S1 – The complete checklist of all bird species observed in the Monte Fenera Natural Park.

Order	Family	Scientific Name	Last year of observation	Suggested status (2023)	2023 - higher breeding code
Galliformes	Odontophoridae	<i>Colinus virginianus</i>	1997	B-irr	-
	Phasianidae	<i>Coturnix coturnix</i>	2023	(?)	3
		<i>Phasianus colchicus</i>	2023	B (?)	3
		<i>Perdix perdix</i>	1968	EXT	-
Columbiformes	Columbidae	<i>Columba oenas</i>	2023	B, W, M	5
		<i>Columba palumbus</i>	2023	B, W, M	13
		<i>Streptopelia turtur</i>	2007	M	-
		<i>Streptopelia decaocto</i>	2007	M	-
Caprimulgiformes	Caprimulgidae	<i>Caprimulgus europaeus</i>	2023	B, M	7
	Apodidae	<i>Tachymarpis melba</i>	2023	M	-
		<i>Apus apus</i>	2023	B, M	14
Cuculiformes	Cuculidae	<i>Cuculus canorus</i>	2023	B, M	5
Ciconiiformes	Ciconiidae	<i>Ciconia nigra</i>	1996	M	-
	Ardeidae	<i>Ardea cinerea</i>	2023	W, M	-
Suliformes	Phalacrocoracidae	<i>Phalacrocorax carbo</i>	2023	Trans	-
Charadriiformes	Scolopacidae	<i>Scolopax rusticola</i>	2007	W, M	-
	Laridae	<i>Larus ridibundus</i>	1996	A-2	-
Strigiformes	Strigidae	<i>Athene noctua</i>	2023	M	-
		<i>Strix aluco</i>	2023	B, W, M	13
		<i>Bubo bubo</i>	2008	M	-
Accipitriformes	Pandionidae	<i>Pandion haliaetus</i>	1994	A-1	-
	Accipitridae	<i>Pernis apivorus</i>	2023	B, M	7
		<i>Circus gallicus</i>	2023	B, M	7
		<i>Aquila chrysaetos</i>	2023	W, M	-
		<i>Hieraetus pennatus</i>	1992	A-1	-
		<i>Circus aeruginosus</i>	1997	A-3	-
		<i>Circus cyaneus</i>	1996	A-3	-
		<i>Accipiter nisus</i>	2023	B, W, M	19
		<i>Accipiter gentilis</i>	2023	B, W, M	4
		<i>Milvus milvus</i>	2023	M	-
		<i>Milvus migrans</i>	2023	M	-
	<i>Buteo buteo</i>	2023	B, W, M	13	
<i>Buteo rufinus</i>	2003	A1	-		
Bucerotiformes	Upupidae	<i>Upupa epops</i>	2023	M	-
Coraciiformes	Meropidae	<i>Merops apiaster</i>	2007	M	-
	Alcedinidae	<i>Alcedo attish</i>	1992	A1	-
Piciformes	Picidae	<i>Jynx torquilla</i>	2007	M	-
		<i>Picus viridis</i>	2023	B, W, M	16
		<i>Dryocopus martius</i>	2023	B, W, M	13
		<i>Dryobates minor</i>	2023	B, W, M	5
		<i>Dendrocopos major</i>	2023	B, W, M	13
Falconiformes	Falconidae	<i>Falco tinnunculus</i>	2023	M	-
		<i>Falco subbuteo</i>	2023	M	-
		<i>Falco peregrinus*</i>	2024	B, W, M	19*
Passeriformes	Oriolidae	<i>Oriolus oriolus</i>	1997	A-3	-
	Laniidae	<i>Lanius collurio</i>	2006	M	-
	Corviidae	<i>Garrulus glandarius</i>	2023	B, W, M	13
		<i>Pica pica</i>	2023	B, W, M	16
		<i>Nucifraga caryocatactes</i>	1993	A-1	-

	<i>Corvus monedula</i>	1995	A-1	-
	<i>Corvus fragileus</i>	1997	W, M	-
	<i>Corvus corax</i>	2023	B, W, M	13
	<i>Corvus corone cornix</i>	2023	B, W, M	13
Paridae	<i>Periparus ater</i>	2023	B, W, M	5
	<i>Lophophanes cristatus</i>	2007	W, M	-
	<i>Poecile palustris</i>	2023	B, W, M	13
	<i>Cyanistes caeruleus</i>	2023	B, W, M	16
	<i>Parus major</i>	2023	B, W, M	16
Alaudidae	<i>Lullula arborea</i>	2023	M	3
	<i>Alauda arvensis</i>	1997	Trans	-
Acrocephalidae	<i>Hippolais polyglotta</i>	2007	M	-
Hirundinidae	<i>Delichon urbicum</i>	2023	M	-
	<i>Hirundo rustica</i>	2023	M	-
	<i>Ptyonoprogne rupestris</i>	2023	B-irr, W, M	-
Phylloscopidae	<i>Phylloscopus bonelli</i>	2007	B (?), M	3
	<i>Phylloscopus sibilatrix</i>	2007	M	-
	<i>Phylloscopus trochilus</i>	2007	M	-
	<i>Phylloscopus collybita</i>	2023	B, W, M	5
Aegithalidae	<i>Aegithalos caudatus</i>	2023	B, W, M	16
Sylviidae	<i>Sylvia atricapilla</i>	2023	B, W, M	5
	<i>Sylvia borin</i>	2007	M	-
	<i>Sylvia communis</i>	2007	M	-
Certhiidae	<i>Certhia brachydactyla</i>	2023	B, W, M	5
Sittidae	<i>Sitta europea</i>	2023	B, W, M	13
	<i>Tichodroma muraria</i>	2007	W, M	-
Troglodytidae	<i>Troglodytes troglodytes</i>	2023	B, W, M	5
Cinclidae	<i>Cinclus cinclus</i>	2023	B, W, M	13
Sturniidae	<i>Sturnus vulgaris</i>	2023	B-irr, W, M	13
Turdidae	<i>Turdus viscivorus</i>	2023	M	-
	<i>Turdus philomelos</i>	2023	B, W, M	5
	<i>Turdus iliacus</i>	2023	W, M	-
	<i>Turdus merula</i>	2023	B, W, M	16
	<i>Turdus pilaris</i>	2007	W, M	-
	<i>Turdus torquatus</i>	2023	A-1	-
Muscicapidae	<i>Muscicapa striata</i>	2023	B, M	5
	<i>Erithacus rubecola</i>	2023	B, W, M	8
	<i>Luscinia megarhynchos</i>	2023	M	-
	<i>Ficedula hypoleuca</i>	2007	M	-
	<i>Phoenichurus ochrurus</i>	2023	B, W, M	16
	<i>Phoenichurus phoenichurus</i>	2023	B, M	5
	<i>Monticola saxatilis</i>	1994	A-1	-
	<i>Monticola solitarius</i>	2006	A-1	-
	<i>Oenanthe oenanthe</i>	2007	M	-
	<i>Regulus regulus</i>	2023	W, M	5
Bombycillidae	<i>Bombycilla garrulus</i>	1988	A-1	-
Prunellidae	<i>Prunella collaris</i>	2007	W, M	-
	<i>Prunella modularis</i>	2023	W, M	-
Passeridae	<i>Passer italiae</i>	2023	B, W, M	19
	<i>Passer montanus</i>	2023	W, M	-
Motacillidae	<i>Anthus trivialis</i>	2007	M	-
	<i>Anthus pratensis</i>	2023	M	-
	<i>Anthus spinoletta</i>	2023	M	-
	<i>Motacilla cinerea</i>	2023	B, W, M	5
	<i>Motacilla alba</i>	2023	M	-
Fringillidae	<i>Fringilla coelebs</i>	2023	B, W, M	10
	<i>Fringilla montifringilla</i>	2007	W, M	-
	<i>Coccothraustes coccothraustes</i>	2023	B, W, M	5

		<i>Pyrrhula pyrrhula</i>	2007	W, M	-
		<i>Chloris chloris</i>	2023	M	-
		<i>Linaria cannabina</i>	2023	M	-
		<i>Acanthis flammea cabaret</i>	1994	A1	-
		<i>Loxia curvirostra</i>	1997	W	-
		<i>Carduelis carduelis</i>	2023	B, W, M	13
		<i>Carduelis citrinella</i>	1997	A-2	-
		<i>Serinus serinus</i>	2023	B, W, M	5
		<i>Spinus spinus</i>	2023	W, M	-
	Emberizidae	<i>Emberiza cia</i>	2023	W, M	-
		<i>Emberiza cirrus</i>	2023	B, M	5
		<i>Emberiza citrinella</i>	1997	M	-
		<i>Emberiza schoeniclus</i>	2007	M	-

For all 121 species, the following information is provided: i) the last year of observation; ii) the suggested status updated to 2023 (\*2024 for *Falco peregrinus*); and iii) the higher breeding code observed in 2023 (\*2024 for *F. peregrinus*). Code legend for status aligns with the information from the most recent checklist of NW-Italy (Boano *et al.*, 2023) but with the following codes: “B” = breeding species; “M” = species using the area in post-breeding dispersal and migration; “W” = wintering species; “Trans.” = Transient species that fly over the area only; “B-irr.” = irregular breeding species; “(?)” = doubt about breeding. The presence of two or more codes suggests resident species (B-M-W) or summer visitors (B-M). Rare or accidental species are reported as “A” = Accidental; followed by the total number of known observations since 1980. The highest code for all the breeding species from the year 2023 is reported as follows: cod. 3 “singing bird in suitable nesting habitat”; cod. 4 “Pair observed in suitable nesting habitat”; cod. 5 “singing male present at the same location on at least two times 7 or more days apart”; cod. 6 “repeated visits to a probable nest site by the pair”; cod. 7 “courtship behavior with male and female”; cod. 8 “agitated behavior or anxiety calls from adults indicating a nest site or young in the vicinity”; cod. 10 “adult carrying nesting material or nest-building”; cod. 13 “recently fledged or downy young still dependent upon adults and incapable of extended flights”; cod. 14 “occupied nest indicated by adult entering nest site and remaining”; cod. 16 “Adult carrying food for young”; cod. 19 “nest with eggs or young seen or heard”.