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Table 7-3-1 Summary of vantage point records - Dark grey cells indicate non-surveyed months

Species	Year	ooint records - Dark grey cells in Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		number of observations							1						1
	2018	flight duration (seconds)							0						0
		bird seconds at PCH							0						0
		number of observations													0
	2019	flight duration (seconds)													0
		bird seconds at PCH													
		number of observations					1								1
	2020	flight duration (seconds)					60								60
Black-headed		bird seconds at PCH					60								60
Gull		number of observations													0
	2021	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2022	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations						1				0	0	0	1
	2023	flight duration (seconds)						40				0	0	0	40
		bird seconds at PCH						40				0	0	0	40
		number of observations						3	1		1	3			8
	2018	flight duration (seconds)						710	0		60	180			950
		bird seconds at PCH						1010	0		10	180			1200
		number of observations	11	2	2	1	1	1	1	1	4	1			25
	2019	flight duration (seconds)	0	260	75	200	190	75	272	270	345	70			1757
Buzzard		bird seconds at PCH	0	500	97.5	175	190	18.75	272	270	945	17.5			2485.75
		number of observations		2	3			8	6	2		1	1		23
	2020	flight duration (seconds)		260	1090			945	285	20		0	0		2600
		bird seconds at PCH		302.5	2525			1113.75	183.75	16.25		0	0		4141.25
	0001	number of observations	1	2	8	1	1	2	3	1		1	2	1	23
	2021	flight duration (seconds)	0	150	885	90	315	580	90	10		150	70	30	2370



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		bird seconds at PCH	0	120	468.75	82.5	630	1480		10		127.5	58.75	26.25	3003.75
		number of observations	1	1	2		3	1	3	3		1	0	1	16
	2022	flight duration (seconds)	45	235	675		386	120	398	11				100	1970
		bird seconds at PCH	33.75	146.25	922.5		341.25	120	575	2.75				100	2241.5
		number of observations		1		2	5	9	2	6					25
	2023	flight duration (seconds)		0		20	1539	640	510	323					3032
		bird seconds at PCH		0		5	582.75	235.5	76.25	184.25					1083.75
		number of observations													0
	2018	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2019	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2020	flight duration (seconds)													0
Golden		bird seconds at PCH													0
Plover		number of observations										1			1
	2021	flight duration (seconds)										25			25
		bird seconds at PCH										0			0
		number of observations													0
	2022	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2023	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
0.1.1	2018	flight duration (seconds)													0
Goshawk		bird seconds at PCH													0
	2019	number of observations													0



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations	1												1
	2020	flight duration (seconds)	45												45
		bird seconds at PCH	11.25												11.25
		number of observations													0
	2021	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2022	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2023	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2018	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations					1								1
	2019	flight duration (seconds)					0								0
		bird seconds at PCH					0								0
		number of observations					1	1	1						3
Grey Wagtail	2020	flight duration (seconds)					0	0	0						0
		bird seconds at PCH					0	0	0						0
		number of observations		1	1			1							3
	2021	flight duration (seconds)		0	0			0							0
		bird seconds at PCH		0	0			0							0
		number of observations													0
	2022	flight duration (seconds)													0
		bird seconds at PCH													0



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		number of observations									1				1
	2023	flight duration (seconds)									40				40
		bird seconds at PCH									0				0
		number of observations					2	1			1			1	5
	2018	flight duration (seconds)					197	25			140			48	410
		bird seconds at PCH					49.25	0						12	61.25
		number of observations		4	6	7	1	13	13		5	1	1	1	52
	2019	flight duration (seconds)		55	770	807	0	220	517		400	0	0	0	2769
		bird seconds at PCH		32.5	725	573	0	66.25	133.5		332.5	0	0	0	1862.75
		number of observations		1			2				1			7	11
	2020	flight duration (seconds)		0			235				540			60	835
Hon Harrion		bird seconds at PCH		0			0				0			0	0
Hell Hairlei		number of observations	3	2		1		2	1			1	1	1	12
	2021	flight duration (seconds)	105	240		65		70	900			112	320	225	2037
		bird seconds at PCH	0	0		25		0	2700			3.75	20	18.75	2767.5
		number of observations	1	1	2	1	1					1		2	9
	2022	flight duration (seconds)	195	75	260	101	16					30		150	827
		bird seconds at PCH	195	1.25	11.25	101	4					0		108.75	421.25
		number of observations				6	3	1		2	1				13
	2023	flight duration (seconds)				1130	290	10		35	30				1495
		bird seconds at PCH				450	11.25	0		0	0				461.25
		number of observations					1		2	3	3	2		1	12
	2018	flight duration (seconds)					82		88	228	180	196		72	846
		bird seconds at PCH					20.5		22	75	45	49		18	229.5
Kaatral		number of observations	12	2	2	7		6	7	2	2	6		1	47
Kesuei	2019	flight duration (seconds)	215	0	450	1440		1262	1131	1110	970	605		25	7208
		bird seconds at PCH	53.75	0	262.5	930		758	711.25	1020	445	353.75		6.25	4540.5
	2020	number of observations	1	1	1		9	7	19	14	5	15	9	5	86
Hen Harrier Kestrel	2020	flight duration (seconds)	125	45	180		1175	510	1485	755	120	480	660	195	5730



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		bird seconds at PCH	31.25	11.25	105		557.5	202.5	262.5	145	15	97.5	213.75	30	1671.25
		number of observations	4	8	9	2	4	7	11	2	10	6	2	3	68
	2021	flight duration (seconds)	165	600	300	538	355	1652	1385	130	572	937	305	730	7669
		bird seconds at PCH	63.75	232.5	71.25	377.5	190	854.25	1377.5	152.5	163	798	192.5	602.5	5075.25
		number of observations	1	3	4		2	3	15	2	2	5	2	3	42
	2022	flight duration (seconds)	218	595	670		107	873	2296	242	421	641	241	130	6434
		bird seconds at PCH	218	486.25	527.5		92.75	723	1146.75	242	105.25	146.75	27.75	107.5	3823.5
		number of observations	5	4	1	2	5		8	8	2				35
	2023	flight duration (seconds)	800	254	180	140	1115		176	780	590				4035
		bird seconds at PCH	710	49.75	45	15	795		143.25	98.75	262.5				2119.25
		number of observations				2	1	3	2						8
	2018	flight duration (seconds)				0	0	0	0						0
		bird seconds at PCH				0	0	0	0						0
		number of observations		2	3	4	4	3	4	1		2		1	24
	2019	flight duration (seconds)		0	0	0	0	0	0	0		0		0	0
		bird seconds at PCH		0	0	0	0	0	0	0		0		0	0
		number of observations	2		1		7	6	5	2	2	1	1	2	29
	2020	flight duration (seconds)	0		0		0	0	0	0	0	0	0	0	0
Maadaw Binit		bird seconds at PCH	0		0		0	0	0	0	0	0	0	0	0
Meadow Pipit		number of observations	2	3	3	5	3	3	2		4	3	2	3	33
	2021	flight duration (seconds)	0	0	0	0	0	0	0		0	0	0	0	0
		bird seconds at PCH	0	0	0	0	0	0	0		0	0	0	0	0
		number of observations	3	3	2	3	1	7	4	2	3	2	5	1	36
	2022	flight duration (seconds)	0	0	0	0	0	125	20	0	0	0	0	0	145
		bird seconds at PCH	0	0	0	0	0	107.5	2.5	0	0	0	0	0	110
		number of observations	2		3				2						7
	2023	flight duration (seconds)	0		72				0						72
		bird seconds at PCH	0		31.5				0						31.5
	2018	number of observations													0



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2019	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations						1							1
	2020	flight duration (seconds)						30							30
D		bird seconds at PCH						30							30
Peregrine Falcon		number of observations													0
Turcon	2021	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations								1					1
	2022	flight duration (seconds)								12					12
		bird seconds at PCH								3					3
		number of observations		1											1
	2023	flight duration (seconds)		20											20
		bird seconds at PCH		2.5											2.5
		number of observations									1				1
	2018	flight duration (seconds)									10				10
		bird seconds at PCH									0				0
		number of observations			1		1								2
	2019	flight duration (seconds)			0		0								0
Red Grouse		bird seconds at PCH			0		0								0
red Grouse		number of observations			1					1		3	1		6
	2020	flight duration (seconds)			0					0		15	0		15
		bird seconds at PCH			0					0		0	0		0
		number of observations	3	1	2	1	1	1							9
	2021	flight duration (seconds)	15	15	15	0	0	0							45
		bird seconds at PCH	0	0	0	0	0	0							0



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		number of observations			1	3						1			5
	2022	flight duration (seconds)			0	10						0			10
		bird seconds at PCH			0							0			0
		number of observations		1	1	2				1					5
	2023	flight duration (seconds)		35	15	15				5					70
		bird seconds at PCH		0	0	0				0					0
		number of observations													0
	2018	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations										1			1
	2019	flight duration (seconds)										330			330
		bird seconds at PCH										330			330
		number of observations													0
	2020	flight duration (seconds)													0
Red Kite		bird seconds at PCH													0
Red Kite		number of observations													0
	2021	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2022	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2023	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations											4	4	8
	2018	flight duration (seconds)											0	0	0
Redwing		bird seconds at PCH											0	0	0
	9010	number of observations			1										1
	2019	flight duration (seconds)			0										0



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		bird seconds at PCH			0										0
		number of observations										1		1	2
	2020	flight duration (seconds)										0		0	0
		bird seconds at PCH										0		0	0
		number of observations	1												1
	2021	flight duration (seconds)	0												0
		bird seconds at PCH	0												0
		number of observations										2	1		3
	2022	flight duration (seconds)										0	0		0
		bird seconds at PCH										0	0		0
		number of observations													0
	2023	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations													0
	2018	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations	3			1									4
	2019	flight duration (seconds)	0			0									0
		bird seconds at PCH	0			0									0
		number of observations		1								4	3	5	13
Smira a	2020	flight duration (seconds)		0								195	90	225	510
Snipe		bird seconds at PCH		0								726.25	210	255	1191.25
		number of observations	2								1				3
	2021	flight duration (seconds)	60								150				210
		bird seconds at PCH	120								105				225
		number of observations										3		1	4
	2022	flight duration (seconds)										92		15	107
		bird seconds at PCH										362.5		2.5	365
	2023	number of observations		5	1						2				8



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		flight duration (seconds)		75	35						35				145
		bird seconds at PCH		0	6.25						37.5				43.75
		number of observations				3		2		2	1				8
	2018	flight duration (seconds)				150		210		101	25				486
		bird seconds at PCH				13.75		210		37.25	1.25				262.25
		number of observations	5	1				1		1	2	1			11
	2019	flight duration (seconds)	57	0				8		25	770	25			885
		bird seconds at PCH	0	0				0		6.25	642.5	6.25			655
		number of observations			1		2	1	1	1	2	1	1	1	11
	2020	flight duration (seconds)			100		150	90	90	60	235	30	90	60	905
Sparrowhawk		bird seconds at PCH			100		52.5	45	22.5	60	33.75	0	45	15	373.75
Sparrownawk		number of observations		1	1							1			3
	2021	flight duration (seconds)		60	90							270			420
		bird seconds at PCH		48.75	90							230			368.75
		number of observations	1					1		6		1	1	3	13
	2022	flight duration (seconds)	20					50		228		40	25	250	613
		bird seconds at PCH	0					27.5		129.75		2.5		110	269.75
		number of observations				3		2		3	1				9
	2023	flight duration (seconds)				275		55		261	35				626
		bird seconds at PCH				160		8.75		302	0				470.75
		number of observations													0
	2018	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations	4	2			1								7
Woodcock	2019	flight duration (seconds)	0	0			25								25
		bird seconds at PCH	0	0			6.25								6.25
		number of observations			1					1					2
	2020	flight duration (seconds)			30					20					50
		bird seconds at PCH			15					5					20



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		number of observations				1									1
	2021	flight duration (seconds)				15									15
		bird seconds at PCH				3.75									3.75
		number of observations													0
	2022	flight duration (seconds)													0
		bird seconds at PCH													0
		number of observations					2								2
	2023	flight duration (seconds)					50								50
		bird seconds at PCH					12.5								12.5



Table 7-3-2 Summary of breeding walkover records - Dark grey cells indicate non-surveyed months

Species	Year	Abundance	Apr	May	Jun	Jul	Aug	Sep	Total
	2018	number of observations							0
	2018	number of individuals							0
	0010	number of observations							0
	2019	number of individuals							0
	2020	number of observations			1				1
Black-headed Gull	2020	number of individuals			1				1
Diack-neaded Guii	2021	number of observations							0
	2022	number of individuals							0
	2022	number of observations							0
	2022	number of individuals							0
	2023	number of observations							0
	2023	number of individuals							0
	2018	number of observations				1			1
		number of individuals				1			1
	2019	number of observations	8	2	2	1			13
	2019	number of individuals	15	2	2	2			21
	2020	number of observations		2	3	1			6
Buzzard	2020	number of individuals		3	5	1			9
Duzzaru	2021	number of observations	1	1	1				3
	2021	number of individuals	1	1	1				3
	2022	number of observations	2		1				3
	2022	number of individuals	2		1				3
	2023	number of observations	6		1	2			9
	2023	number of individuals	9		1	3			13
	2018	number of observations							0
Hen Harrier	2010	number of individuals							0
пен пашег	2019	number of observations	8	1	3	2			14
	2019	number of individuals	11	1	4	1 1 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1			20



Species	Year	Abundance	Apr	May	Jun	Jul	Aug	Sep	Total
	2020	number of observations		3					3
	2020	number of individuals		3					3
	2021	number of observations	1						1
	2021	number of individuals	1						1
	2022	number of observations	1		3				4
	2022	number of individuals	1		3				4
	2023	number of observations		3	1	4			8
	2023	number of individuals		4	1	4			9
	2018	number of observations				1			1
	2010	number of individuals				1			1
	2019	number of observations		1		1			2
	2019	number of individuals		1		1			2
	2020	number of observations		1	1	2	2		6
Kestrel		number of individuals		1	1	2	3		7
Kesuei	2021	number of observations	1						1
	2021	number of individuals	1						1
	2022	number of observations			3	8			11
	2022	number of individuals			3	8			11
	2023	number of observations			2	7			9
	2023	number of individuals			2	8			10
	2018	number of observations							0
	2016	number of individuals							0
	2019	number of observations		1					1
Red Grouse	2019	number of individuals		2					2
Neu Glouse	2020	number of observations							0
	2020	number of individuals							0
	2021	number of observations							0
	2021	number of individuals							0



Species	Year	Abundance	Apr	May	Jun	Jul	Aug	Sep	Total
	2022	number of observations							0
	2022	number of individuals							0
	2023	number of observations							0
	2023	number of individuals							0
	2018	number of observations							0
	2010	number of individuals							0
	2019	number of observations	2						2
	2019	number of individuals	2						2
	2020	number of observations							0
Spring	2020	number of individuals							0
Shipe	9091	number of observations							0
	2021	number of individuals							0
	number of observations number of individuals 2022 number of observations number of individuals number of observations number of individuals number of individuals				0				
	2022	number of individuals							0
	2002	number of observations							0
	2023	number of individuals							
	2018	number of observations	1		2				3
	2016	number of individuals	1		2				3
	2019	number of observations	2	1	2	3			8
	2019	number of individuals	2	1	2	4			9
	2020	number of observations			1	1			2
C	2020	number of individuals			1	1			2
Sparrowhawk	2021	number of observations							0
	2021	number of individuals							0
	2022	number of observations	1		3				4
	2022	number of individuals	3		3				6
	2023	number of observations		1		3			4
	2023	number of individuals		1		3			4



Species	Year	Abundance	Apr	May	Jun	Jul	Aug	Sep	Total
	2018	number of observations							0
	2016	number of individuals							0
	2019	number of observations			1				1
	2019	number of individuals			2				2
	2020	number of observations							0
Woodcock		number of individuals							0
W OODCOCK	0001	number of observations				1			1
	2021	number of individuals				1			1
	2022	number of observations		1					1
	2022	number of individuals		1					1
	2023	number of observations							0
	2023	number of individuals							0



Table 7-3- 3 Summary of breeding raptor records

Species	Year	Abundance	Apr	May	Jun	Jul	Total
	2018	number of observations	1	1	1	2	5
	2016	number of individuals	1	2	1	3	7
	2019	number of observations	4	1	3	2	10
	2019	number of individuals	4	1	3	2	10
	2020	number of observations		3	1	5	9
Buzzard	2020	number of individuals		1 1 1 2 1 2 1 3 4 1 3 2 4 1 3 2	6	12	
Duzzaru	2021	number of observations	2	1	2	2 3 3 1 2 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1	7
	2021	number of individuals	2	2	1 1 2 2 1 3 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 2 3 3 4 1 1 1 3 3 4 1 1 1 3 3 3 8 4 8 3 1 5 3 3 1 5 5 3 1 5 5 3 1 5 5 4 5 3 1 5 5 6 1 6 1 7 2 8 2 9 2 10 2 11 3 12 3 13 4 14 1 15 3 16 4 17 4 18 4 19	8	
	2022	number of observations	4	2			6
	2022	number of individuals	4	2			6
	2023	number of observations	12	2	1		15
	2023	number of individuals	16	2	1		19
	2018	number of observations			1		1
	2010	number of individuals			1		1
	2019	number of observations	4	8	9		21
	2013	number of individuals	6	9	1 2 3 3 2 1 3 2 1 1 5 9 1 6 1 2 2 2 2 2 3 6 1 1 1 1 1 1 1 1 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 1 3 1 3 3 2 2 3 4 3 4 5 4 3 6 4 4 6 4 4 9 2 4 1 3 4 1 4 4 1 4 4 1 4 4 2 4 4 3 4 4	27	
	2020	number of observations		4	1		5
Hen Harrier	2020	number of individuals		4	1		5
Hen Hamei	2021	number of observations			1		1
	2021	number of individuals			1	1 2 5 1 3 7 3 2 10 1 5 9 1 6 12 2 2 7 2 2 8 6 6 6 1 1 1 1 1 1 1 1 1 1 1 1 1 1 5 1 1 1 1 1 1 1 1 1 5 5 3 8 2 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1	1
	2022	number of observations	2	3			5
	2022	number of individuals	2	3			5
	2023	number of observations	1	13		8	22
	2020	number of individuals	1	14		8	23
	2018	number of observations	2	3	1	5	11
Kestrel	2010	number of individuals	2	3	1	5	11
	2019	number of observations	1	2	1	2	6



Species	Year	Abundance	Apr	May	Jun	Jul	Total
		number of individuals	1	2	1	2	6
	2020	number of observations		7	11	12	30
	2020	number of individuals		7	11	12	30
	2021	number of observations	2	2	4	1	9
	2021	number of individuals	2	2	7	2	13
	2022	number of observations	9	2	10	4	25
	2022	number of individuals	9	2	10	5	26
	2023	number of observations	8	8	2		18
	2023	number of individuals	8	8	2		18
	2018	number of observations					0
	2010	number of individuals					0
	2019	number of observations					0
	2013	number of individuals					0
	2020	number of observations					0
Osprey	2020	number of individuals					0
Osprey	2021	number of observations					0
	2021	number of individuals					0
	2022	number of observations					0
	2022	number of individuals					0
	2023	number of observations	1				1
	2023	number of individuals	1				1
	2018	number of observations					0
	2010	number of individuals					0
	2019	number of observations				1	1
Peregrine Falcon	2013	number of individuals				3	3
	2020	number of observations					0
	2020	number of individuals				0	
	2021	number of observations					0



Species	Year	Abundance	Apr	May	Jun	Jul	Total
		number of individuals					0
	2022	number of observations					0
	2022	number of individuals					0
	2023	number of observations		1			1
	2023	number of individuals		1			1
	2018	number of observations	1	2			3
	2010	number of individuals	1	2			3
	2019	number of observations	1	3	2	3	9
		number of individuals	1	3	2	4	10
		number of observations		2		2	4
Sa a marak anda	2020	number of individuals		2		2	4
Sparrowhawk	2021	number of observations					0
	2021	number of individuals					0
	2022	number of observations			1	4	5
	2022	number of individuals			1	5	6
	2023	number of observations	1	2	1	1	5
	2023	number of individuals	1	2	1	1	5



Table 7-3- 4 Summary of breeding Woodcock survey records - Dark grey cells indicate non-surveyed months

Species	Year	Abundance	Apr	May	Jun	Jul	Total
	2019	number of observations			10		10
	2019	number of individuals			11		11
	2020	number of observations		2	9		11
	2020	number of individuals		2	9		11
Woodcock	2021	number of observations		7	18		25
Woodcock		number of individuals		8	19		27
	2022	number of observations			14		14
	2022	number of individuals			14		14
	2023	number of observations		2	4		6
	2023	number of individuals		2	4		6



Table 7-3- 5 Summary of breeding Red Grouse survey records - Dark grey cells indicate non-surveyed months

Species	Year	Abundance	Jan	Feb	Mar	Total
	2019	number of observations			6	6
Dad Comme	2019	number of individuals			8	8
Red Grouse	2020	number of observations			6	6
	2020	number of individuals			7	7



Table 7-3- 6 Summary of winter walkover records - Dark grey cells indicate non-surveyed months

Species	Year	Abundance	Jan	Feb	Mar	Oct	Nov	Dec	Total
	0010	number of observations				1			1
	2018	number of individuals				1			1
	2019	number of observations							0
	2019	number of individuals							0
Buzzard	2020	number of observations				1			1
Duzzaru	2020	number of individuals				1			1
	2021	number of observations		1	2				3
	2021	number of individuals		1	2				3
	2022	number of observations		2					2
	2022	number of individuals		2					2
	2018	number of observations							0
	2016	number of individuals							0
	2019	number of observations							0
	2019	number of individuals							0
Hen Harrier	2020	number of observations							0
Hen Hamer	2020	number of individuals							0
	2021	number of observations				1			1
	2021	number of individuals				1			1
	2022	number of observations	1		1				2
	2022	number of individuals	1		1				2
	2018	number of observations				5		2	7
	2010	number of individuals				6		2	8
Kestrel	2019	number of observations	4			2		1	7
Kesuei	2019	number of individuals	4			3		1	8
	2020	number of observations				2			2
	1 2020 F	number of individuals				2			2



Species	Year	Abundance	Jan	Feb	Mar	Oct	Nov	Dec	Total
	2021	number of observations	2	4	1	3			10
	2021	number of individuals	2	4	1	3			10
	2022	number of observations		1					1
	2022	number of individuals		1					1
	0010	number of observations							0
	2018	number of individuals							0
	0010	number of observations	1		1				2
	2019	number of individuals	3		1				4
D 10	0000	number of observations							0
Red Grouse	2020	number of individuals							0
	0001	number of observations							0
	2021	number of individuals							0
	0000	number of observations		1					1
	2022	number of individuals		1					1
	0010	number of observations							0
	2018	number of individuals							0
		number of observations	2					1	3
	2019	number of individuals	9					1	10
α.	0000	number of observations							0
Snipe	2020	number of individuals							0
	0001	number of observations		1		1			2
	2021	number of individuals		1		1			2
	0000	number of observations	3	3	2				8
	2022	number of individuals	3	3	2				8
	0010	number of observations				2		2	4
0 1 1	2018	number of individuals				2		2	4
Sparrowhawk	0010	number of observations	1						1
	2019	number of individuals	1						1



Species	Year	Abundance	Jan	Feb	Mar	Oct	Nov	Dec	Total
	2020	number of observations				1			1
	2020	number of individuals				1			1
	2021	number of observations							0
	2021	number of individuals							0
	2022	number of observations		1					1
	2022	number of individuals		1					1
	2018	number of observations							0
	2016	number of individuals							0
	2019	number of observations	1		1				2
	2019	number of individuals	2		1				3
XA7 1 1	2020	number of observations							0
Woodcock	2020	number of individuals							0
	2021	number of observations							0
	2021	number of individuals							0
	2022	number of observations							0
	2022	number of individuals							0



Table 7-3- 7 Summary of Hen Harrier roost survey records - Dark grey cells indicate non-surveyed months

Species	Year	Abundance	Oct	Nov	Dec	Jan	Feb	Mar	Total
	2018	number of observations			1				1
	2010	number of individuals			1				1
	2019	number of observations		2			5	2	9
	2019	number of individuals		2			5	2	9
	2020	number of observations				1		1	2
Hen Harrier	2020	number of individuals				1		2	3
nen namei	2021	number of observations	1			2	2		5
	2021	number of individuals	2			2	2		6
	2022	number of observations	2				1		3
	2022	number of individuals	2				1		3
	2023	number of observations					2	1	3
	2023	number of individuals					2	1	3



Table 7-3-8 Summary of non-target species records

Fable 7-3-8 Summary of non-target species Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<u> </u>	2018					√	√	√					
	2019				√	· √	√	<i>\</i>	√	√			
	2020					✓	✓	✓	✓	✓			
Barn Swallow	2021						✓	√	√	√			
	2022				✓	✓	✓	√	✓	✓			
	2023				✓	✓	✓		✓				
	2018				✓	√	✓	✓			✓	✓	✓
	2019	✓	✓	✓	✓	✓	✓	✓			✓		
Blackbird	2020			✓		✓	✓	✓	✓		✓	✓	
Diackond	2021	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		
	2022	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓		✓	✓			
	2018				✓		✓		✓				
	2019			✓	✓	✓	✓						
Blackcap	2020					✓	✓	✓					
Бисксир	2021				✓	✓	✓						
	2022				✓	✓	✓	✓					
	2023				✓	✓	✓						
	2018				✓	✓		✓			✓	✓	✓
	2019	✓				✓	✓				✓		
Blue Tit	2020					✓	✓	✓			✓	✓	✓
2100 110	2021	✓	✓	✓	✓	✓	✓				✓	✓	
	2022		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	2023		✓	✓	✓	✓	✓		✓	✓			
	2018				✓				✓			✓	✓
Bullfinch	2019			✓		✓	✓	✓					
	2020					✓	✓	✓			✓	✓	✓
	2021	✓	✓	✓		✓	✓	✓			✓		



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2022		✓	✓	✓	✓	✓		✓	✓	✓	✓	
	2023			✓	✓								
	2018												
	2019												
Carrion Crow	2020												
Carrion Crow	2021												
	2022								✓				
	2023												
	2018				✓	✓	✓	✓	✓		✓	✓	✓
	2019	✓		✓	✓	✓	✓	✓			✓		
Chaffinch	2020	✓		✓		✓	✓	✓	✓		✓	✓	✓
Chamilen	2021	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	2023	✓	✓	✓	✓	✓	✓		✓	✓			
	2018					✓							
	2019				✓	✓	✓						
Chiffchaff	2020					✓	✓	✓					
Cimician	2021				✓	✓							
	2022			✓	✓	✓	✓	✓					
	2023				✓	✓	✓			✓			
	2018												✓
	2019			✓		✓	✓				✓		
Coal Tit	2020	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓
Coar III	2021	✓	✓	✓	✓		✓	✓			✓	✓	✓
	2022	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	
	2023		✓	✓	✓		✓		✓				
Collared Dove	2018												
Conared Dove	2019							✓					



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2020								✓				
	2021												
	2022				✓				✓				
	2023			✓	✓	✓	✓						
	2018												
	2019												
Common Redpoll	2020												
Common Neapon	2021												
	2022					✓			✓				
	2023												
	2018												
	2019					✓							
Cormorant	2020						✓						
Connorant	2021	✓											
	2022					✓							
	2023												
	2018												
	2019					✓							✓
Crossbill	2020	✓	✓	✓		✓	✓	✓			✓	✓	
Crossom	2021							✓					
	2022				✓	✓	✓						
	2023												
	2018				✓	✓	✓						
	2019					✓	✓						
Cuckoo	2020					✓	✓						
Cuckoo	2021					✓	✓						
	2022				✓	✓	✓						
	2023				✓		✓						



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2018				✓	✓		✓	✓		✓	✓	✓
	2019	✓		✓	\	✓		✓					
Dunnock	2020					✓	✓	✓			✓		
Dumock	2021		✓	✓	✓		✓				✓		
	2022		✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	2023		✓	✓	✓	✓	✓		✓	✓			
	2018							✓					
	2019												
Feral Pigeon	2020												
Terai Figeon	2021												
	2022												
	2023												
	2018												✓
	2019			✓	✓						✓		
Fieldfare	2020	✓	✓								✓	✓	✓
Tierdiare	2021	✓	✓	✓								✓	✓
	2022		✓								✓	✓	✓
	2023												
	2018				✓	✓					✓		✓
	2019				✓	✓	✓	✓			✓		
Goldcrest	2020	✓		✓		✓	✓	✓	✓		✓	✓	✓
Colderest	2021	✓	✓	✓				✓		✓	✓		✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023		✓	✓	✓	✓	✓		✓	✓			
	2018												
Goldfinch	2019						✓						
	2020						✓				✓	✓	
	2021				✓		✓	✓		✓			



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2022			✓	✓			✓		✓	✓	✓	
	2023			✓	✓	✓	✓		✓	✓			
	2018												
	2019				✓	✓	✓	✓					
Grasshopper Warbler	2020					✓	✓	✓					
Grassnopper warbier	2021												
	2022				✓	✓	✓						
	2023				✓	✓	✓						
	2018												
	2019								✓				
Great Black-backed Gull	2020												
Great Black-backed Guil	2021												
	2022												
	2023												
	2018												
	2019												
Great Spotted Woodpecker	2020												
Great Spotted Woodpecker	2021												
	2022			✓									
	2023						✓						
	2018				✓	✓	✓	✓			✓	✓	✓
	2019	✓		✓		✓	✓	✓					
Great Tit	2020					✓					✓	✓	✓
Great Tit	2021		✓	✓	✓						✓		
	2022	✓	✓	✓	✓	✓	✓	✓		✓		✓	✓
	2023		✓	✓	✓	✓	✓		✓	✓			
Greenfinch	2018							✓	✓				
Greenmen	2019												



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2020												
	2021												
	2022												
	2023												
	2018												
	2019					✓	✓			✓			
Grey Heron	2020	✓					✓			✓	✓	✓	
Grey Heron	2021				✓						✓		
	2022			✓			✓				✓		
	2023		✓		✓								
	2018												
	2019			✓	✓	✓	✓						
Grey Wagtail	2020			✓		✓	✓	✓					
Grey Waguar	2021		✓	✓	✓	✓	✓						
	2022				✓		✓	✓					
	2023						✓			✓			
	2018												
	2019							✓					
Greylag Goose	2020											✓	
ereying coose	2021												
	2022									✓			
	2023												
	2018				✓	✓	✓	✓	✓		✓	✓	✓
	2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Hooded Crow	2020	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
	2021	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√
	2023	✓	✓	✓	✓	✓	✓		✓	✓			



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2018							✓	✓				
	2019								✓				
House Martin	2020						✓						
riouse Marun	2021												
	2022								✓	✓			
	2023				✓	✓			✓				
	2018												
	2019												
House Sparrow	2020												
11ouse Spairow	2021												
	2022				✓				✓				
	2023												
	2018					✓		✓	✓		✓	✓	✓
	2019							✓					
Jackdaw	2020										✓	✓	
Jackdaw	2021				✓	✓					✓		
	2022								✓			✓	
	2023			✓	✓	✓							
	2018				✓	✓	✓	✓	✓		✓		✓
	2019			✓	✓		✓	✓					
Jay	2020	✓				✓	✓	✓	✓	✓	✓	✓	✓
Juy	2021	✓	✓	✓	✓	✓		✓			✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓		✓	✓			
	2018						✓						✓
Lesser Black-backed Gull	2019												
Desser Duck bucked Guil	2020					✓							
	2021						✓						



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2022			✓			✓		✓				
	2023					✓	✓						
	2018						✓						
	2019												
Lesser Redpoll	2020					✓	✓	✓			✓	✓	
Lesser Reupon	2021						✓	✓			✓		
	2022			✓	✓								
	2023												
	2018					✓							
	2019							✓					
Linnet	2020						✓		✓				
Lamet	2021												
	2022				✓	✓			✓	✓	✓	✓	
	2023			✓	✓	✓				✓			
	2018					✓	✓				✓	✓	✓
	2019							✓					
Long-tailed Tit	2020								✓				
Long uned Tr	2021	✓	✓	✓						✓	✓	✓	
	2022	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓		✓	✓			
	2018				✓	✓		✓	✓		✓	✓	✓
	2019	✓	✓	✓	✓		✓	✓					
Magpie	2020	✓				✓	✓	✓	✓		✓		
Muspic	2021	✓	✓		✓	✓	✓	✓		✓	✓		
	2022		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	2023	✓	✓	✓	✓	✓	✓		✓	✓			
Mallard	2018						✓						
Triuliui (i	2019		✓	✓	✓	✓	✓		✓				



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2020		✓	✓		✓	✓	✓		✓	✓	✓	
	2021	✓		✓							\		
	2022		✓		✓	✓	✓						
	2023		✓	✓	✓	✓							
	2018				✓	✓	✓	✓			✓		
	2019		✓	✓	✓	✓	✓	✓	✓		✓		✓
Meadow Pipit	2020	✓		✓		✓	✓	✓	✓	✓	✓	✓	✓
Meadow 1 ipit	2021	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023	✓	✓	✓	✓		✓	✓					
	2018				✓	✓		✓	✓		✓		✓
	2019	✓			✓	✓	✓	✓			✓		
Mistle Thrush	2020	✓	✓	✓		✓	✓	✓	✓		✓	✓	
Wisue Tillusii	2021	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓		✓		✓	✓	✓
	2023		✓	✓	✓	✓	✓		✓	✓			
	2018												
	2019												
Mute Swan	2020												
Witte Swaii	2021												
	2022					✓							✓
	2023												
	2018				✓	✓	✓		✓			✓	✓
	2019	✓			✓	✓	✓	✓					✓
Pheasant	2020					✓			✓		✓		
1 Heasain	2021						✓						
	2022			✓	✓	✓	✓			✓			✓
	2023	✓		✓									



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2018							✓				✓	✓
	2019												
Pied Wagtail	2020						✓				✓		
Tieu Wagtan	2021	✓				✓	✓			✓			
	2022			✓	✓		✓	✓		✓		✓	✓
	2023		✓										
	2018				✓	✓	✓	✓	✓		✓	✓	✓
	2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Raven	2020	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓
Tuven	2021	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓		✓	✓			
	2018											✓	✓
	2019			✓									
Redwing	2020										✓		✓
	2021	✓											
	2022										✓	✓	
	2023												
	2018						✓						
	2019					✓	✓				✓		✓
Reed Bunting	2020	✓		✓		✓	✓	✓	✓		✓		
	2021			✓			✓						✓
	2022	✓	✓	✓	✓	✓						✓	
	2023		√	√	✓	✓	✓						
	2018				√	✓	✓	✓	✓		✓		✓
Robin	2019		√	✓		✓	√	√					
	2020		√	✓		✓	✓	✓	√		✓	✓	✓
	2021	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	√
	2023	✓	✓	✓	\	✓	✓		✓	✓			
	2018				✓	✓	✓		√		✓	✓	✓
	2019				✓		✓	✓		✓			
Rook	2020					✓			✓				
NOOK	2021				✓	✓		✓		✓	✓	✓	✓
	2022	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
	2023			✓	✓	✓	✓		✓	✓			
	2018					✓							
	2019												
Sand Martin	2020												
	2021												
	2022								✓				
	2023												
	2018												
	2019												
Sedge Warbler	2020												
Sedge Warbler	2021												
	2022					✓	✓						
	2023					✓	✓						
	2018				✓	✓	✓	✓			✓	✓	
	2019					✓	✓	✓					
Siskin	2020		✓	✓		✓	✓	✓			✓	✓	
	2021			✓		✓		✓			✓	✓	
	2022	✓			✓	✓	✓		✓				
	2023		✓		✓		✓		✓				
Skylark	2018							✓					
SKYIAIK	2019		✓	✓	✓	✓	✓	✓					



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2020					✓	✓			✓			
	2021			✓	>	✓	✓	✓		✓			
	2022			✓	✓	✓	✓	✓		✓	✓		
	2023				✓	✓	✓		✓	✓			
	2018				✓	✓	✓	✓	✓		✓	✓	
	2019	✓		✓	✓	✓	✓	✓					
Song Thrush	2020	✓		✓		✓	✓	✓	✓	✓			
Song Thush	2021		✓	✓	✓	✓	✓			✓	✓		
	2022	✓		✓	✓	✓	✓	✓	✓			✓	
	2023		✓	✓	✓	✓	✓		✓	✓			
	2018					✓		✓	✓		✓		✓
	2019							✓					
Starling	2020	✓				✓	✓		✓		✓		
Starmig	2021			✓	✓					✓	✓		
	2022			✓	✓		✓	✓	✓	✓	✓	✓	✓
	2023		✓		✓	✓	✓		✓	✓			
	2018						✓	✓					
	2019					✓	✓	✓			✓		✓
Stonechat	2020	✓	✓			✓	✓	✓	✓		✓		
	2021		✓	✓		✓	✓	✓			✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓			✓			
Swift	2018					✓		✓	✓				
	2019						✓	✓					
	2020						✓	✓					
	2021												
	2022					✓	✓	✓					
	2023						✓	✓	✓				



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2018												
	2019												
Teal	2020												
1 ear	2021												
	2022	✓											
	2023												
	2018												
	2019						✓	✓			✓		
Treecreeper	2020			✓		✓		✓			✓		
Treecreeper	2021												
	2022				✓							✓	
	2023												
	2018												
	2019												
Wheatear	2020												
Willeatear	2021									✓			
	2022								✓				
	2023												
	2018					✓							
	2019					✓	✓	✓					
Whitethroat	2020					✓	✓	✓					
wintenroat	2021					✓		✓					
	2022					✓	✓	✓	✓				
	2023								✓				
	2018				✓	✓	✓	✓					
Willow Warbler	2019				✓	✓	✓	✓					
Willow Warbler	2020					✓	✓	✓					
	2021				✓	✓	✓	✓					



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2022			✓	✓	✓	✓	✓	✓				
	2023				✓	✓	✓						
	2018				✓	✓	✓	✓	✓		✓	✓	✓
	2019	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓
Woodpigeon	2020	✓	✓			✓	✓	✓	✓		✓	✓	✓
	2021	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓		✓				
Wren	2018				✓	✓	✓	✓	✓			✓	✓
	2019	✓	✓	✓		✓	✓	✓			✓		
	2020	✓	√	✓		√	✓	✓	✓	√	✓	✓	✓
	2021	✓	✓	✓	✓	✓	✓	\	✓	✓	✓	✓	\
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023	✓	✓	✓	✓	✓	✓		✓	✓			