

Appendix 7-3 – Summary

Carrig Renewables Wind Farm

Carrig Renewables Wind Farm

Farm

INPRERAN PLANNING AUTHORITY OF THE PROPERTY OF

**Tables** 



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Table 1 Summary of vantage p								Ţ.				5			- T
Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		number of observations									03				
	2020	flight duration (seconds)									<u> </u>	<b>.</b>	2		
		bird seconds at PCH <sup>1</sup>									Υ	_	2		
		number of observations						3					60	1	6
	2021	flight duration (seconds)						340	X				40	40	420
Black-headed Gull		bird seconds at PCH						880						560	1440
Diack-licated Guii		number of observations	7		1		1	3	1					.0	13
	2022	flight duration (seconds)	410		60		41	271	213						995
		bird seconds at PCH	17450		180		C	527							18157
		number of observations													
	2023	flight duration (seconds)					2)								
		bird seconds at PCH													
		number of observations										11	5	7	23
	2020	flight duration (seconds)			Ly.							2390	88	91	2569
		bird seconds at PCH			4/21							4510	8	20	4538
		number of observations	7	23	17	15	12	24	11	3	11	16	9	6	154
	2021	flight duration (seconds)	100	910	1085	770	760	1375	660	210	860	570	450	142	7892
Buzzard		bird seconds at PCH	35	980	2240	825	920	1645	410	330	1340	813	540	66	10144
Duzur		number of observations	6	7	12	18	4	24	49	18	9	4	2	1	154
	2022	flight duration (seconds)	260	320	1215	1865	105	3629	7819	3831	1174	130	40		20388
		bird seconds at PCH	250	430	2230	1248	25	2326	5099	4155	1505	190	20		17478
		number of observations	3	17	3										23
	2023	flight duration (seconds)	260	1622	780										2662
		bird seconds at PCH	500	2862	1480										4842
Cormorant	2020	number of observations										1	1	15	17
Comoran	2020	flight duration (seconds)										200	40	640	880

PCH = potential collision height. The PCH is taken as the height bands 15-25m and 25-200m.



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		bird seconds at PCH									C	390	40	790	1130
		number of observations	1			1				2	O	(S).		1	5
	2021	flight duration (seconds)	60			120				180		, <	کر	40	400
		bird seconds at PCH	60			120				180			70	40	400
		number of observations								)			9	16	
	2022	flight duration (seconds)													
		bird seconds at PCH						•						Ü	
		number of observations						111							
	2023	flight duration (seconds)													
		bird seconds at PCH						9							
		number of observations					X								
	2020	flight duration (seconds)													
	2020	bird seconds at PCH													
		number of observations			1				1					3	5
	2021	flight duration (seconds)			20				30						50
Curlew		bird seconds at PCH			20				30						50
Curiew		number of observations		1	) `	2		1	4			2			10
	2022	flight duration (seconds)		30					70			60			160
		bird seconds at PCH		60								100			160
		number of observations													
	2023	flight duration (seconds)													
		bird seconds at PCH													
		number of observations										1	1		2
	2020	flight duration (seconds)										400	15		415
Golden Plover		bird seconds at PCH											1050		1050
John Tiorei		number of observations	5								6	4	3		18
	2021	flight duration (seconds)	147								600	45	180		972
		bird seconds at PCH	7924								16040	1430	39600		64994



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		number of observations	3	1	7	1					C	VA.	1		14
	2022	flight duration (seconds)	165	40	530	63					0	\ <u>\</u> \	20		818
		bird seconds at PCH	1395	1200	126400							• •	<b>)</b> 600		129595
		number of observations		1								·	70		1
	2023	flight duration (seconds)		90									9	(	90
		bird seconds at PCH		45000										0	45000
		number of observations											1	70	1
	2020	flight duration (seconds)						111					20		20
		bird seconds at PCH													
		number of observations			1			9							1
	2021	flight duration (seconds)			40		X								40
Hen Harrier		bird seconds at PCH			40	10									40
	Hen Harrier	number of observations	2		1										3
	2022	flight duration (seconds)	130		120										250
		bird seconds at PCH			120										120
		number of observations	1												1
	2023	flight duration (seconds)	60		)										60
		bird seconds at PCH	20												20
		number of observations		<b>)</b>											
	2020	flight duration (seconds)													
		bird seconds at PCH													
		number of observations						1	1				2		4
Merlin	2021	flight duration (seconds)						20	10				10		40
	Merlin	bird seconds at PCH													
		number of observations		1					1	1					3
		flight duration (seconds)		90					5	8					103
		bird seconds at PCH		90											90
	2023	number of observations	1	4											5



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		flight duration (seconds)	60	429							C	VA.			489
		bird seconds at PCH		200							0	(S).			200
		number of observations								3		1	2	3	6
	2020	flight duration (seconds)										190	189	105	475
		bird seconds at PCH										60	1609	60	280
		number of observations		1	1	2				1		1		0	6
	2021	flight duration (seconds)		30	120	180				300		27		70	657
Peregrine Falcon		bird seconds at PCH		30	240	180		X		300		27			777
r cregime rateon		number of observations	1									1	2		4
	2022	flight duration (seconds)	20					9				30	50		100
		bird seconds at PCH	20				X					30	40		90
		number of observations	1		1	10									2
	2023	flight duration (seconds)	15		15										30
		bird seconds at PCH	15		15										30
		number of observations			· X > 1							5		1	6
	2020	flight duration (seconds)										225		20	245
		bird seconds at PCH			)							360		20	380
		number of observations		11.		1	3	3						4	11
	2021	flight duration (seconds)		<b>)</b>		60	330	310						30	730
Snipe		bird seconds at PCH				60	330	530						40	960
отре		number of observations	1	1		10	6	8	7		3	5	2		43
	2022	flight duration (seconds)	10	10		454		175	25		58	130	25		887
		bird seconds at PCH		30		594					70	135	135		964
		number of observations	1	1											2
	2023	flight duration (seconds)	20	30											50
		bird seconds at PCH	40	60											100
Sparrowhawk	2020	number of observations										1	3	9	13
Sparrownank	2020	flight duration (seconds)										200	55	255	510



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		bird seconds at PCH									C	200	30	210	440
		number of observations	1	3	2	1	2			2		\ <u>\</u>	1	1	13
	2021	flight duration (seconds)	5	110	30	80	40			90		•	30	15	400
		bird seconds at PCH		120	20	80	40			90		·	36		380
		number of observations	1	2	1	2			1			1	YO	6	9
	2022	flight duration (seconds)	60	30	30	31			6			20	15	0	192
		bird seconds at PCH	60	20	30									73	110
		number of observations	3	2	2			X							7
	2023	flight duration (seconds)	200	60	270										530
		bird seconds at PCH	120	30	230			9							380
		number of observations					X					1	1	3	5
	2020	flight duration (seconds)				10						32	20	390	442
		bird seconds at PCH										64	40	4530	4634
		number of observations	4	4	1							14	3	5	31
	2021	flight duration (seconds)	149	220	60							604	35	162	1230
Whooper Swan		bird seconds at PCH	600	2180	2040							2274		251	7345
W nooper Swan		number of observations	3		) `										3
	2022	flight duration (seconds)	130												130
		bird seconds at PCH	260	<b>)</b>											260
		number of observations		1	2										3
	2023	flight duration (seconds)		60	52										112
		bird seconds at PCH		120	456										576
		number of observations													
	2020	flight duration (seconds)													
Woodcock		bird seconds at PCH													
Woodcock		number of observations			1										1
	2021	flight duration (seconds)			20										20
		bird seconds at PCH			20										20



Species	Year	Observations	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
		number of observations									C				
	2022	flight duration (seconds)										\O.			
		bird seconds at PCH											ی کر		
		number of observations											7		
	2023	flight duration (seconds)											9	)(	
		bird seconds at PCH											•		



Table 2 Summary of winter walkover records

ble 2 Summary of winter walkove	er records								
Species	Year	Abundance	Jan	Feb	Mar	Oct	Nov	Dec	Total
	2020	number of observations						500	
	2020	number of individuals							·
	2021	number of observations		1					<del>7</del> 2)_
Black-headed Gull	2021	number of individuals		40					490
Diack-ficaded Guif	2022	number of observations							<u> </u>
	2022	number of individuals							
	2023	number of observations							
	2020	number of individuals							
	2020	number of observations			(2)				
	2020	number of individuals			20				
	2021	number of observations	1	6	11	2	3		23
Buzzard	2021	number of individuals	1	7	14	2	3		27
Duzzaru	2022	number of observations		5	4		2		11
	2022	number of individuals	•	5	5		3		13
	2023	number of observations	1	1	2				4
	2020	number of individuals	1	1	3				5
	2020	number of observations							
	2020	number of individuals							
	2021	number of observations	)	1					1
Cormorant	2021	number of individuals		1					1
Comoran	2022	number of observations							
	2022	number of individuals							
	2023	number of observations							
	2020	number of individuals							
	2020	number of observations							
Golden Plover		number of individuals							
	2021	number of observations	1	1					2



Species	Year	Abundance	Jan	Feb	Mar	Oct	Nov	Dec	Total
		number of individuals	18	101				CAL	119
	2022	number of observations						7	
	2022	number of individuals					40	*	کی
	2023	number of observations							7
	2020	number of individuals					<u> </u>		9
	2020	number of observations				2			2
	2020	number of individuals				2			2
	2021	number of observations							
Hen Harrier	2021	number of individuals				5			
TICH Harrier	2022	number of observations			70				
	2022	number of individuals			C				
	2023	number of observations							
	2020	number of individuals							
	2020	number of observations				2			2
	2020	number of individuals	•			3			3
	2021	number of observations		1					1
Merlin	2021	number of individuals	<b>100</b>	1					1
1,101,111	2022	number of observations	477						
	_ = = =	number of individuals	<b>O</b>						
	2023	number of observations							
	2020	number of individuals							
	2020	number of observations							
		number of individuals							
	2021	number of observations							
Peregrine Falcon		number of individuals							
	2022	number of observations			1				1
		number of individuals			1				1
	2023	number of observations							



Species	Year	Abundance	Jan	Feb	Mar	Oct	Nov	Dec	Total
		number of individuals						CAL	
	2020	number of observations				7			7
	2020	number of individuals				12	30	*	<b>2</b> 12
	2021	number of observations	1	1			4		T S
Snipe	2021	number of individuals	3	1			8		129
Sinpe	2022	number of observations		1			2		3
	2022	number of individuals		1			7		8
	2023	number of observations	2	2					4
	2020	number of individuals	4	6		J			10
	2020	number of observations							
	2020	number of individuals			C				
	2021	number of observations			2				2
Sparrowhawk	2021	number of individuals			3				3
Sparrownawk	2022	number of observations							
	2022	number of individuals	•	N/					
	2023	number of observations							
	2020	number of individuals							
	2020	number of observations							
	2020	number of individuals	<b>O</b>						
	2021	number of observations	1	1					2
Whooper Swan	2021	number of individuals	4	84					88
W Hooper 5waii	2022	number of observations							
	2022	number of individuals							
	2023	number of observations							
	2020	number of individuals							



Table 3 Summary of breeding walkov	ver records						10. ~		
Species	Year	Abundance	Apr	May	Jun	Jul	Aug	Sep	Total
	2021	number of observations	8	1	6	8	5	<u> </u>	23
Buzzard	2021	number of individuals	9	1	6	8	0, 4	).	24
Duzzaru	2022	number of observations	9	10	1	5		, کی	25
	2022	number of individuals	13	12	1	5		0	31
	2021	number of observations				1		9	1
Cormorant	2021	number of individuals				1		7	$O_{2}$ 1
Comforant	2022	number of observations			• • •				73
	2022	number of individuals							
	2021	number of observations							
Curlew	2021	number of individuals		4					
Curiew	2022	number of observations	1	S	3	1			5
	2022	number of individuals	1	10	6	1			8
	2021	number of observations		1	2	1			4
Merlin	2021	number of individuals		1	2	1			4
Menni	2022	number of observations	4			1			5
	2022	number of individuals	4			1			5
	2021	number of observations	3		2	2			7
Snipe	2021	number of individuals	3		2	3			8
Silipe	2022	number of observations	4	2	5	3			14
	2022	number of individuals	4	2	5	3			14
	2021	number of observations	2	3	2				7
Sparrowhawk	2021	number of individuals	2	3	2				7
Sparrownawk	2022	number of observations	1	3	2	4			10
	2022	number of individuals	1	3	2	4			10
	2021	number of observations				1			1
Woodcock	2021	number of individuals				1			1
VV OOUCOCK	2022	number of observations							
	2022	number of individuals							



4 Summary of waterbird distribution s	urvey records									) (			
Species	Year	Abundance	Jan	Feb	Mar	Apr	May	Aug	Sep	Opt	Nov	Dec	Total
	2020	number of observations								2	8	11	21
	2020	number of individuals							5	210	140	367	717
	2021	number of observations	12	19	4	4	3				8	9	59
Black-headed Gull	2021	number of individuals	204	669	54	13		07			1103	<b>2</b> 60	
Diack-neaded Guii	2022	number of observations	14	10	10	2	1			9	1	U	47
	2022	number of individuals	693	681	557	22	3			107	10	, O	2073
	2023	number of observations		1									$\mathcal{O}_1$
	2020	number of individuals		1		C							1
	2020	number of observations				0					4	5	9
	2020	number of individuals									5	14	19
	2021	number of observations	4	1	6	2	3		1		3	2	22
Cormorant	2021	number of individuals	6	1	11	3	5		1		5	6	38
Cormorant	2022	number of observations	1	1/	3		2			1	3	1	12
	2022	number of individuals	1	1	3		2			1	6	1	15
	2023	number of observations	1	2	2								5
	2020	number of individuals	1	2	2								5
	2020	number of observations									3	7	10
	2020	number of individuals									17	94	111
	2021	number of observations	3	6	3	1	1				9	5	28
Curlew	2021	number of individuals	42	42	9	1	1				81	45	221
Curiew	2022	number of observations	8	6	4		2			4	4	1	29
	2022	number of individuals	108	56	15		2			35	14	7	237
	2023	number of observations	2	2	1								5
	2020	number of individuals	25	20	1								46
	2020	number of observations								4	14	9	27
Golden Plover	2020	number of individuals								4290	15380	4428	24098
	2021	number of observations	8	11	1				1	3	12	3	39



Species	Year	Abundance	Jan	Feb	Mar	Apr	May	Aug	Sep	Oct	Nov	Dec	Total
		number of individuals	6243	6466	700				5	3750	26200	14000	57364
	2022	number of observations	10	10	4				-0	7	4	2	37
	2022	number of individuals	10504	16900	3594			4	O	2816	5000	3000	41814
	2023	number of observations	1	4	2							Ų.	7
	2023	number of individuals	2000	6900	4080		•	$Q \sim$				9	12980
	2020	number of observations					•			1		7	1
	2020	number of individuals								1		7	၂၃ 1
	2021	number of observations				×							
Hen Harrier	2021	number of individuals				70							
Hen Harner	2022	number of observations											
	2022	number of individuals			S	2							
	2023	number of observations			7	•							
	2020	number of individuals											
	2020	number of observations											
	2020	number of individuals	+ X	7									
	2021	number of observations	1				1			1	2	5	10
Snipe	2021	number of individuals	1				1			9	3	18	32
Sinpe	2022	number of observations	3	2								1	6
	2022	number of individuals	12	4								80	96
	2023	number of observations	1										1
	2020	number of individuals	4										4
	2020	number of observations								5	15	19	39
	2020	number of individuals								292	869	742	1903
	2021	number of observations	19	17	13	2	1			1	16	20	89
Whooper Swan	2021	number of individuals	437	557	536	21	1			4	389		
	2022	number of observations	14	15	30	2				7	7	1	76
	2022	number of individuals	610	651	385	7				56	79	134	1922
	2023	number of observations	2	1	1								4



Species	Year	Abundance	Jan	Feb	Mar	Apr	May	Aug	Sep	Oct	Nov	Dec	Total
		number of individuals	231	3	12								246
	2020	number of observations									Ó.		
	2020	number of individuals									Ý.		
	2021	number of observations									V	5 1	1
Woodcock	2021	number of individuals						$\bigcirc$				91	1
Woodcock	2022	number of observations										70	
	2022	number of individuals						•				7	3
	2023	number of observations				X							
	2023	number of individuals				20							



Table 5 Summary of hen harrier roost survey records

Species	Year	Abundance	Oct	Nov	Dec	Jan	Feb	Mar	Total
	0000	number of observations	3	1				00	4
	2020	number of individuals	4	2			.4	0	-6
II II	2021	number of observations					1	K	72
Hen Harrier	2021	number of individuals							100
	2022	number of observations		1	1	1		1	4
	2022	number of individuals		1	1	1		1	4



Table 6 Summary of breeding raptor records

Species	Year	Abundance	Apr	May	Jun	JN	Total
	2021	number of observations	10	6	16	77	39
Buzzard	2021	number of individuals	10	8	17	8	43
Duzzard	2022	number of observations	4	9	15	12	4)
	2022	number of individuals	6	9	16	13	44
	2021	number of observations	3	5	3	1	12
Merlin	2021	number of individuals	3	5	3	1	12
Menni	2022	number of observations	10	2	2		14
	2022	number of individuals	12	2	2		16
	2021	number of observations	5	2	2	3	12
Sparrowhawk	2021	number of individuals	5	2	2	3	12
эраномпамк	2022	number of observations	2	2	1	2	7
	2022	number of individuals	2	2	1	2	7



Table 7 Summary of breeding woodcock survey records

Species	Year	Abundance	Apr	May	Jun	Jul	Total
	2021	number of observations		8	29	200	37
Woodcock	2021	number of individuals		9	33		42
Woodcock	2022	number of observations		14	22		36
	2022	number of individuals		14	23		37



Table 8 Summary of non-key ornithological indicators survey records

Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	00	Nov	Dec
	2020										50		
D C 11	2021				<b>√</b>	✓	✓	✓	✓	1	•	). (	
Barn Swallow	2022				✓	✓	✓	✓	✓			72	1
	2023								0)	<b>D</b>			20
	2020												2
Barnacle Goose	2021												
Damacie Goose	2022				✓			310					
	2023												
	2020						0				✓	✓	✓
Black-tailed Godwit	2021	✓	✓	✓			~O'		✓			✓	✓
Diack-tailed Godwit	2022	✓	✓	✓			5)				✓	✓	✓
	2023	✓	✓	✓									
	2020				4						✓	✓	✓
Blackbird	2021	✓	✓	✓	<b>✓</b>	✓	✓	✓	✓	✓	✓	✓	✓
Diackond	2022	✓	✓	✓		<b>)</b> 🗸	✓	✓	✓	✓	✓	✓	✓
	2023	✓	✓	✓	O'								
	2020												
Blackcap	2021				✓	✓	✓	✓	✓				
Diackcup	2022		1		✓	✓	✓	✓					
	2023		0,										
	2020		(9)										✓
Blue Tit	2021	<b>/</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dide III	2022		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023	<b>√</b>	✓	✓									
	2020												
Brambling	2021	✓											
	2022												



		_											_
Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023										COL		
	2020											<b>O</b> .	
Brent Goose	2021									Oz		J	
	2022												5 1
	2023								V				0
	2020											✓	30
Bullfinch	2021	✓	✓	✓	✓	✓	✓	<b>V</b>		✓	✓	✓	<b>√</b> \
	2022	✓	✓	✓	✓	✓	✓		✓	✓			
	2023						0	0					
	2020							)			✓	✓	✓
Chaffinch	2021	✓	✓	✓	✓	<b>√</b>	CY	✓	✓	✓	✓	✓	✓
	2022	✓	✓	✓	✓	<b>\</b>	1	✓	✓	✓	✓	✓	✓
	2023	✓	✓	✓									
	2020												
Chiffchaff	2021				<b>/</b>	<b>√</b>	<b>√</b>	<b>√</b>					
	2022				<b>V</b>	<b>√</b>	✓	✓		√			
	2023												,
	2020	,			,		,	,			,	,	✓
Coal Tit	2021	<b>√</b>		<b>V</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	,	,	<b>√</b>	✓	✓
	2022	✓	<b>√</b>		√	✓	✓	✓	√	√			
	2023		<b>V</b>										
	2020	1	•	,	,	,	,	,		,		,	
Collared Dove	2021		√	√	√	√	√	√ 	,	√		<b>√</b>	
	2022		✓	✓	✓	✓	✓	✓	✓	✓			
	2020												<b>√</b>
Common Gull	2020	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>							✓ ✓
Common Gun	2021	√ √	√ √	<b>√</b>	V	✓ ✓					<b>√</b>	<b>√</b>	<b>V</b>
	2022	<b>V</b>	<b>√</b>	<b>V</b>		<b>√</b>					<b>✓</b>	<b>√</b>	



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023										CAL		
	2020											Ó.	
Common Redpoll	2021										✓	. کی	<b>√</b>
Common Reupon	2022											, Z	<u>ó</u>
	2023												9,
	2020												20
Coot	2021		✓	✓	✓	✓							7
Cool	2022		✓	✓	✓	✓	✓	XII			✓		
	2023		✓					$\mathcal{O}^*$					
	2020						A C	)					
Crossbill	2021						SX						
	2022												
	2023			✓									
	2020												
Cuckoo	2021					<b>√</b>	<b>√</b>						
	2022				<b>V</b>	<b>√</b>	✓						
	2023											,	,
	2020			11/1								<b>√</b>	<b>√</b>
Dunlin	2021	√	<b>√</b>	75.								✓	√
	2022	✓	✓ ✓	,									✓
	2023		<b>(</b>	✓								<b>√</b>	<b>√</b>
	2020	1	<b>√</b>	<b>√</b>	✓	✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	√ √	✓ ✓
Dunnock	2021	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	√ √	✓ ✓	✓ ✓	✓ ✓	✓ ✓	✓ ✓	V	✓ ✓	√ √	√ √	✓ ✓
	2022	\ \ \	√ √	✓ ✓	V	V	V	V		V	V	V	V
	2020	, , , , , , , , , , , , , , , , , , ,	<b>V</b>	•								<b>√</b>	<b>√</b>
Fieldfare	2021	<b>√</b>	<b>√</b>	<b>√</b>								<b>√</b>	<b>√</b>
	2022	<b>√</b>	<b>√</b>	<b>√</b>							<b>√</b>	√	√



										· ·			
Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023	<b>√</b>	✓	✓							CAL		
	2020											<b>○</b> .√	✓
Gadwall	2021	✓	✓	✓						(O)		٠ ڪي	
Gadwaii	2022		✓									<i>'</i> ?	<u>5</u>
	2023												9,
	2020							م					20
Goldcrest	2021				✓	✓	✓	1			✓	✓	1
Golderest	2022	✓	✓	✓	✓	✓	✓		✓	✓			
	2023		✓										
	2020							)					✓
Goldeneye	2021						C						
Goldeneye	2022					•							
	2023												
	2020											✓	✓
Goldfinch	2021	✓		✓	1	✓	✓	✓	✓	✓	✓	✓	✓
Goldinen	2022	✓	✓	✓	<b>\</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓
	2023	<b>\</b>	✓	<b>√</b>	<b>J</b>								
	2020												
Grasshopper Warbler	2021		1	<b>\</b>		✓							
Grassnopper warbier	2022		Y.			✓	✓						
	2023												
	2020	• •									<b>✓</b>		
Great Black-backed Gull	2021		✓										
Great Diack-Dacked Guil	2022										✓		
	2023	<b>)</b> -'											
	2020												
Great Crested Grebe	2021												
	2022										✓		



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023										CAL		
	2020											<b>O</b> .√	<b>√</b>
Great Tit	2021	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓		<b>√</b>	· 20	✓
Great In	2022	<b>√</b>	<b>\</b>	<b>✓</b>	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>/</b>	<b>V</b>	✓		5 1
	2023	✓	✓	✓									9
	2020											✓	70
Great White Egret	2021												7
Great Willie Egret	2022							XI	,				
	2023			✓				C					
	2020							)					
Green Woodpecker	2021						CX						
Green Woodpecker	2022									✓			
	2023												
	2020												
Greenfinch	2021	✓	✓	✓	1	✓	✓	✓					
Greenmen	2022					•		✓		✓			
	2023				J'								
	2020										✓	✓	✓
Greenland White-fronted Goose	2021	✓	<b>√</b>	<b>V</b>	✓						✓	✓	✓
Greenand wine noned goose	2022	✓	<b>√</b>	<b>√</b>	✓							✓	✓
	2023	✓	<b>V</b>										
	2020	• 4										✓	
Greenshank	2021		<b>√</b>							✓		✓	
<u> </u>	2022		✓		✓						✓		
	2023	<b>)</b>											
	2020										✓	✓	✓
Grey Heron	2021	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023	✓	<b>√</b>	<b>√</b>							CAL		
	2020											Ó.	✓
Grey Wagtail	2021				✓	✓	✓	✓			<b>√</b>	· 20	
Grey Wagtan	2022		✓	✓	✓							, Z	<b>6</b>
	2023												9,
	2020											✓	20
Greylag Goose	2021	✓		✓	✓					✓	✓	✓	<b>√ √</b>
ore, mg ocean	2022	✓	✓					XII			✓	✓	
	2023						- 0	$\mathcal{O}^*$					
	2020						-OK	)					
Herring Gull	2021						5			✓			
Ü	2022			_							✓	✓	
	2023			✓									
	2020			,					,	,	<b>√</b>	<b>√</b>	<b>√</b>
Hooded Crow	2021	√	√	√ 	/	√	√	√	√	√ 	√ 	√	<b>√</b>
	2022	√ √	√ √	√ /		✓	✓	✓	√	√	✓	✓	✓
	2023	<b>V</b>	<b>V</b>	1	•								
	2020			11/1	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>	✓			
House Martin	2021		-		<b>√</b>	✓ ✓	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>			
	2023				<b>V</b>	V	V	V	<b>V</b>	<b>V</b>			
	2020	+, <	13										
	2021		<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>		<b>√</b>	<b>√</b>	<b>√</b>
House Sparrow	2022				√	√	√	√	√	<b>√</b>			
	2023	)-											
	2020											✓	
Jackdaw	2021	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	2022	✓	<b>√</b>	<b>√</b>	✓	✓	<b>√</b>	✓	✓	✓			



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023		<b>√</b>								CAL		
	2020											<b>O</b> .√	<b>√</b>
Jay	2021	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	V	✓	.6	<b>√</b>
Jay	2022	✓	✓		✓	✓	✓	✓	<b>/</b>	V			5 1
	2023	✓	✓	✓								•	9
	2020										✓	✓	20
Kestrel	2021	✓	✓	✓	✓	✓	✓	<b>1</b>	✓	✓	✓	✓	1
nesder	2022	✓	✓	✓	✓	✓	✓	<b>V</b>	✓	✓	✓	✓	
	2023	✓	✓	✓				$\mathcal{O}^{*}$					
	2020						N	)					
Kingfisher	2021						CX						
	2022				✓	<b>V</b>				✓			
	2023												
	2020										✓	✓	✓
Lapwing	2021	✓	✓	✓	1				✓	✓	✓	✓	✓
1	2022	✓	✓	✓	<b>V</b>	✓	✓				✓	✓	✓
	2023	✓	✓	<b>\</b>	$\cup$								
	2020												
Lesser Black-backed Gull	2021	✓	1	<b>V</b>	✓	✓		✓	✓	✓	✓	✓	
	2022	✓	<b>√</b>	✓			✓	✓			✓		
	2023			<b>√</b>									
	2020												<b>√</b>
Lesser Redpoll	2021		<b>√</b>		<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	<b>√</b>		✓	✓
	2022	<b>V</b>	✓	√	√	✓		✓		✓			
	2023	<i></i>											
I S	2020	,											
Lesser Scaup	2021	✓											
	2022												



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023										COL		
	2020											Nov	
Linnet	2021			✓	✓	✓	✓	✓	✓	C	<b>√</b>	. 7	✓
Limiet	2022				✓	✓		✓	<b>/</b>			, Z	5_
	2023												9
	2020											✓	20
Little Egret	2021	✓		✓	✓	✓				✓		✓	<b>√</b>
<del></del> 0	2022	✓	✓	✓	✓			Alle			✓	✓	✓
	2023	✓	✓	✓			0	$\mathcal{O}^*$					
	2020						O	)					✓
Little Grebe	2021	✓	✓	✓	✓	<b>√</b>	SX						
	2022	<b>√</b>	<b>√</b>	✓	✓	1	<b>\</b>					✓	✓
	2023	✓	✓										
	2020												
Long-eared Owl	2021					•						1	<b>√</b>
	2022											<b>V</b>	
	2023			×C	•								
	2020	<b>√</b>		<b>\</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>		<b>√</b>		<b>√</b>
Long-tailed Tit	2021	<b>V</b>	1		<b>√</b>	<b>√</b>	<b>V</b>	<b>√</b>	<b>V</b>	<b>√</b>	<b>V</b>		•
	2023				,	•		,					
	2020	• •	13									✓	✓
Maria	2021	1	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	✓	✓	<b>√</b>	✓		✓
Magpie	2022	<b>V</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023	<b>/</b>	✓	✓									
	2020									✓	✓	<b>√</b>	✓
Mallard	2021	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023	✓	<b>√</b>	<b>√</b>							CL		
	2020											Ó.	
Marsh Harrier	2021											٠ ڪي	
Maish Hairiei	2022											7	<b>5</b>
	2023	✓										•	9,
	2020											✓	20
Meadow Pipit	2021	✓	✓	✓	✓	✓	✓	1	✓	✓	✓	✓	<b>√ √</b>
Weadow 1 ipit	2022	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	
	2023	✓	✓	✓									
	2020							)					
Mediterranean Gull	2021						CX					✓	✓
Wedterfallean Out	2022												
	2023												
	2020										✓	<i>J</i>	✓
Mistle Thrush	2021	✓	✓	✓	1	✓	✓	✓	✓	✓	✓	✓	✓
Wildle Thrush	2022		✓	✓	<b>V</b>	✓	✓	✓	✓	✓	✓	✓	✓
	2023	✓	✓	<b>√</b>	J'								
	2020												✓
Moorhen	2021	✓	<b>√</b>	<b>V</b>	✓	✓	✓		✓			✓	✓
n domen	2022	✓	<b>√</b>	<b>√</b>	✓	✓						✓	✓
	2023		<b>V</b>										
	2020	• 1	13							✓	✓	✓	✓
Mute Swan	2021	<b>V</b>	<b>√</b>	✓	✓	✓			✓	✓	✓	✓	✓
5-2-5-2-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5-5	2022	<b>V</b>	✓	✓	✓	✓					✓	✓	✓
	2023	<b>/</b>	✓	✓									
	2020											✓	✓
Pheasant	2021	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓
	2022	✓	✓	✓	✓	✓	✓	✓	✓	✓			



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023										CAL		
	2020												✓
Pied Wagtail	2021	✓	✓	✓	✓	✓	✓	✓	✓		✓	. 6	✓
Fied Wagtan	2022	✓	✓	✓	✓	✓	✓	✓	<b>✓</b>	V	✓	<b>\</b>	<b>ó</b> √
	2023	✓	<b>\</b>	✓						)			9
	2020												70
Pink-footed Goose	2021				✓								<b>1</b>
I lik-looted Goose	2022	<b>√</b>						X					
	2023	✓	<b>&gt;</b>					5					
	2020							)			✓	<b>✓</b>	✓
Pintail	2021	✓	✓	✓			CX		✓			✓	✓
1 man	2022	✓	✓	✓		•					✓	✓	✓
	2023	✓	✓										
	2020											✓	
Pochard	2021	✓	✓	✓	• *								
1 ochard	2022					•							
	2023				J'								
	2020			X							✓	✓	✓
Raven	2021	✓	<b>√</b>	<b>V</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓
Kaven	2022	✓	<b>√</b>	<b>√</b>	✓	✓		✓	✓	✓	✓	✓	
	2023	✓	V	✓									
	2020	• •											
Red Kite	2021												
Red Mic	2022												
	2023	)-		✓									
	2020												
Redshank	2021			✓	✓	✓							
	2022		✓	✓	✓	✓							



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023		<b>√</b>	<b>√</b>							CV		
	2020										1	<b>○.</b> ✓	✓
Redwing	2021	✓	✓	✓						C's.	✓	. 6	✓
Kedwing	2022	✓	✓	✓							✓	)	5 1
	2023	✓	✓	✓								•	9,
	2020												20
Reed Bunting	2021	✓	✓	✓	✓	✓	✓	1	✓	✓	✓	✓	1
Reed Building	2022	✓	✓		✓	✓	✓		✓	✓			
	2023												
	2020							)					
Ring-necked Duck	2021	✓					CX						
Tang needed Duck	2022												
	2023												
	2020												
Ringed Plover	2021												
	2022											✓	
	2023			<b>\</b>	)								
	2020											✓	✓
Robin	2021	✓	1	<b>V</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2022	✓	<b>√</b>	<b>√</b>	√	√	✓	✓	√	√	✓	✓	✓
	2023	<b>√</b>	V	✓									
	2020	• • •	*								✓	✓	✓
Rook	2021		<b>√</b>	<b>√</b>									
	2022	<b>V</b>	<b>√</b>	<b>√</b>	✓	✓	✓	✓	✓	✓	✓	✓	✓
	2023	<b>√</b> √	✓	✓								,	
DC	2020											√	
Ruff	2021		✓										
	2022	✓											



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023		✓								CL		
	Aartin  2023  2020  2021  2022  2023  2020  2020  2020  2021  2021  2022  2023  2020  2021  2022  2023  2020  2021  2022  2023  2020  2021  2021  2022  2023  2020  2021  2021  2021  2022  2023  2020  2021  2021  2022  2023  2020  2021  2021  2022  2023  2020  2021  2022  2023  2020  2021  2022  2023  2020  2020  2021  2022  2023  2020  2020  2021  2020  2021  2020  2021  2022  2023  2020  2021  2020  2021  2022  2023  2020  2021  2022  2023  2020  2021  2022  2023  2020  2021  2022  2023  2020  2021  2020  2021  2022  2023  2020  2021  2022  2023  2020  2021  2020  2021  2022  2023  2020  2021  2022  2023  2020  2021  2020  2021  2022  2023  2020  2020  2021  2020  2021  2022  2023  2020  2020  2021  2022  2023  2020  2020  2020  2020  2020  2020  2020  2021  2020	Ó.											
Sand Martin	2021				✓	✓	✓	✓		C		. کی	
Said Martin	2022											7	<u>6</u>
	2023												9,
	2020												50.
Sedge Warbler	2021					✓	✓						7
bedge Walbiel	2022				✓	✓							
	2023							$\mathcal{O}^{*}$					
	2020							)			✓	✓	✓
Shoveler	2021			✓	✓		CX					✓	✓
Sile (elei	2022			✓		1					✓	✓	✓
		✓	✓										
												✓	✓
Siskin			✓	✓		-	✓	✓	✓			✓	
						√				✓	✓	✓	✓
		✓	✓	<b>\</b>	$\cup$								
					Y							✓	✓
Skylark		✓		<b>5</b>								✓	✓
ŭ						✓	✓	✓			✓	✓	✓
		<b>√</b>	V	✓									
		14											
Snow Goose													
													✓
		<b>/</b> /	<b>√</b>									,	
C TO 1												<b>√</b>	<b>√</b>
Song Thrush												<b>√</b>	<b>√</b>
	2022	✓	✓	<b>√</b>	<b>√</b>	<b>√</b>	✓	<b>√</b>	<b>√</b>	✓	<b>√</b>	✓	✓



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023	<b>√</b>	<b>√</b>	<b>√</b>							CIL		
	2020											Ó.	
Spotted Flycatcher	2021					✓	✓	✓		C's		٠, ٢٥ ر	
Spotted Flycatcher	2022						✓	✓				7	Ó
	2023									)			9
	2020											<b>✓</b>	30
Starling	2021	✓	<b>√</b>	✓	✓	<b>√</b>	✓	1	<b>\</b>	<b>✓</b>	<b>√</b>	<b>✓</b>	<b>√</b>
Starting	2022	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	2023	✓	✓	✓									
	2020							)					
Stock Dove	2021	✓	✓		✓	✓	CX		✓				✓
Stock Dove	2022					•							
	2023												
	2020											✓	
Stonechat	2021	✓	✓	✓	1	✓	✓	✓			✓	✓	✓
Stoffeende	2022	✓	✓	✓	<b>V</b>	✓	✓	✓	✓	✓	✓	✓	✓
	2023	✓	✓	<b>V</b>	J'								
	2020				·								
Swift	2021		-	<b>O</b>			✓						
U.120	2022		X			✓	✓	✓	✓				
	2023		0										
	2020	• 1								✓	✓	✓	✓
Teal	2021	<b>V</b>	√	✓	✓				✓	✓		✓	✓
	2022	<b>V</b>	✓	✓							✓	✓	✓
	2023	<b>\</b>	✓	✓									
	2020												
Treecreeper	2021				✓	✓			✓			✓	
	2022												



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023										CV		
	2020										7	Nov	✓
Tufted Duck	2021	✓	<b>√</b>	✓	✓					C's.		. 5	✓
Tuned Duck	2022	<b>√</b>	✓	✓	✓								<b>ó</b> √
	2023	✓	✓										9
	2020												70
Tundra Swan	2021			✓									7
Turkia (wan	2022							XI					
	2023												
	2020							)					
Water Rail	2021						CX						
water Rai	2022			✓							✓	✓	✓
	2023												
	2020												
Whimbrel	2021				• 1	✓							
, , <u>, , , , , , , , , , , , , , , , , </u>	2022					•							
	2023			- 10									
	2020				•								
White-tailed Eagle	2021			<b>S</b>									✓
- 0	2022	✓	<b>√</b>	✓	✓				✓				
	2023	✓	0										
	2020												
Whitethroat	2021					✓	✓	✓					
	2022						✓	✓					
	2023	<u></u>											
***	2020		_								<b>√</b>		<b>√</b>
Wigeon	2021	<b>√</b>	<b>√</b>	<b>√</b>	<b>√</b>						<b>√</b>		<b>√</b>
	2022	✓	✓	✓	✓						✓	$\checkmark$	✓



Species	Year	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
	2023	<b>√</b>	<b>√</b>	<b>√</b>							CV		
	2020										79 (		
Willow Warbler	2021				✓	✓	✓	✓	✓	Or	✓	. لحي	
Willow Warbier	2022				✓	✓	✓	✓	<b>✓</b>	V		V	Ó
	2023												9
	2020										<b>✓</b>	<b>✓</b>	30
Woodpigeon	2021	✓	✓	✓	✓	✓	✓	<b>\</b>	<b>√</b>	✓	✓	✓	1
Woodpigcon	2022	✓	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓
	2023	✓	✓	✓				C					
	2020							)			✓	✓	✓
Wren	2021	✓	✓	✓	✓	✓	CV	✓	✓	✓	✓	✓	✓
Wich	2022	✓	✓	✓	✓	<b>V</b>	1	✓	✓	✓	✓	✓	✓
	2023	✓	✓	✓									
	2020												
Yellowhammer	2021			✓	1	✓	✓	✓	✓		✓	✓	
1 Chownaininei	2022	✓			<b>\</b>	✓	✓	✓					
	2023		✓	<b>V</b>	J'								