





Appendix 7-4 – Survey Data

Slieveacurry Renewable Energy Development







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Prepared By: MKO

Tuam Road Galway Ireland H91 VW84



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APPENDIX 7-4 (SURVEY DATA)

Table 1-1 Golden Plover Vantage Point Survey Data

						Vani	tage Point	Survey				
M	Date	T/D	9	NT C	TTV				D 19 DOTT	D 1.4	NT-41-1-2-412-2-	o .
Map Ref.	Date	VP	Species	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Surveyor
GP001	21/04/2016	VP3	European Golden Plover	15	11:00:00	30	5	5	25		Upland blanket bog Flock of 15 birds observed in flight before landing on ground. Probably migratory birds.	TK
GP002	24/10/2016	1	Golden Plover	16	10:50	30			30		PB2, (Upland blanket bog) Travelling	PM
GP003	24/10/2016	1	Golden Plover	25	11:00	125		25	100		PB2, (Upland blanket bog) Travelling	PM
GP004	24/10/2016	1	Golden Plover	44	11:14	450		50	400		PB2, (Upland blanket bog) GA1, (Improved agricultural grassland) Travelling	PM
GP005	27/10/2016	2	Golden Plover	11	09:03	62			62		PB2, (Upland blanket bog) Travelling	PM
GP006	27/11/2016	2	European Golden Plover	20	13:45:00	20			20		PB2, (Upland blanket bog) WD4, (Conifer plantation) In flight	TK
GP007	09/03/2017	3	Golden Plover	25	11:05	30	10		20		PB2, (Upland blanket bog) Flying before landing on ground.	TK
GP008	08/12/2017	VP3	Golden Plover	12	12:05	30	5	5	20		PB2, (Upland blanket bog) WD4, (Conifer plantation) In flight,	TK
GP009	23/01/2018	VP3	European Golden Plover	12	13:40	180	10	10	160		PB2, (Upland blanket bog) WD4, (Conifer plantation) In flight	TK
GP010	23/02/2018	2	European Golden Plover	10	10:50	30			30		PB2, (Upland blanket bog) WD4, (Conifer plantation) In Flight	TK
GP011	22/10/2020	2	Golden Plover	8	13:26	55	0	35	0	0	Flock of 8 Golden Plover in flight, circled before landing on bog. upland blanket bog	TK
GP012	26/11/2020	2	Golden Plover	15	06:28	370	0	40	310	0	Flock of 15 Golden Plover circling over site before landing on bog. upland blanket bog	TK
GP013	05/12/2020	2	Golden Plover	9	15:06	70	0	25	40	0	Flock of 9 Golden Plover circling before landing on bog. upland blanket bog	TK
GP014	05/02/2021	1	Golden Plover	25	16:41	150	20	170	170	0	Travelling.	TK



					upland blanket bog and	
					improved agricultural grassland	

Table 1-2 Golden Plover Breeding Bird Survey Data

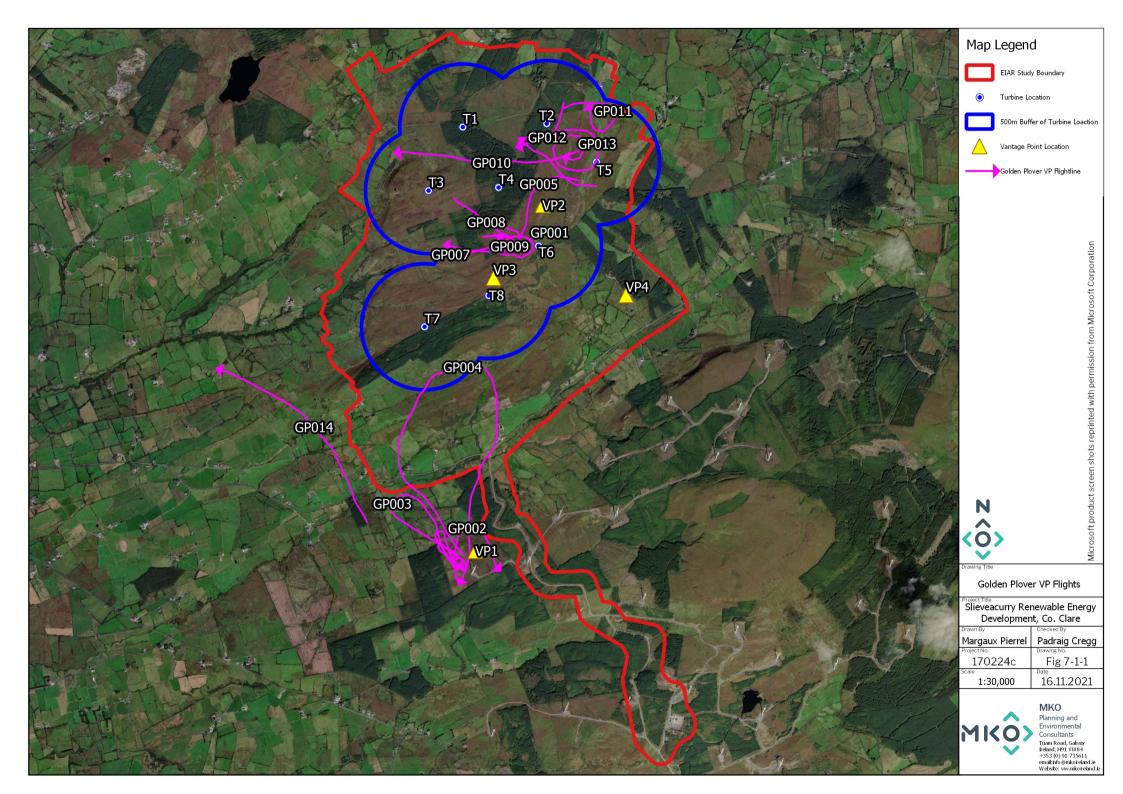
	Breeding Bird Survey														
Map Ref.	Survey Date	Time of observation	Species	Number of birds	Sex/age	Habitat and Activity	Comments	Surveyor							
GP001	24/04/2016	12:05:00	Golden Plover	20	Adult	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flock of 20 seen in flight. Probable Migratory birds	ON	TK							

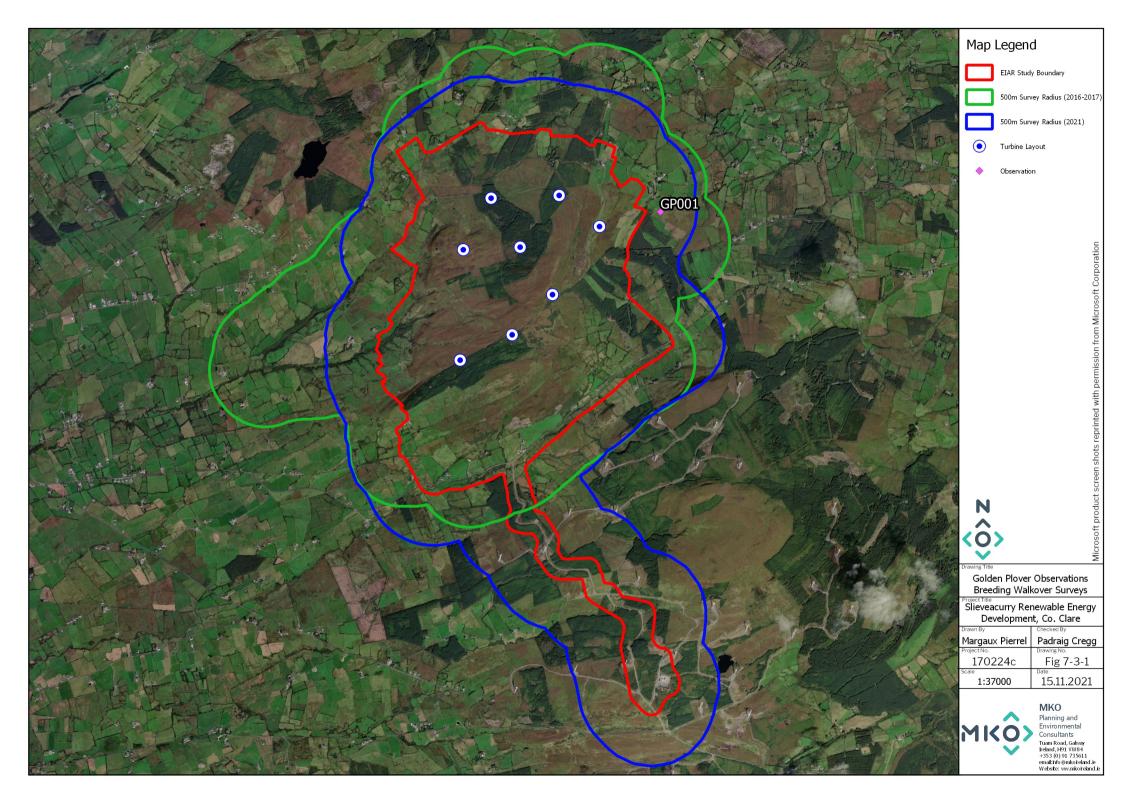
Table 1-3 Golden Plover Winter Transect Survey Data

	Winter Transect Survey												
M	Iap Ref.	Date	Time	Species	Number of Birds	Habitat and Activity	Notes	Surveyor					
(GP001	28/01/2021		Golden Plover	6	Roosting on bog. upland blanket bog		TK					

Table 1-4 Golden Plover Incidental Observation Survey Data

	Incidental Observation												
Map Ref.	Date	Survey Type	Location	Species	Number of Individuals	Notes	Surveyor						
GP001	31/03/2018	HH roost survey	HHVP1	Golden Plover	35	quantity approximate; wheeling around bog repeatedly from 2025 hrs	РТ						







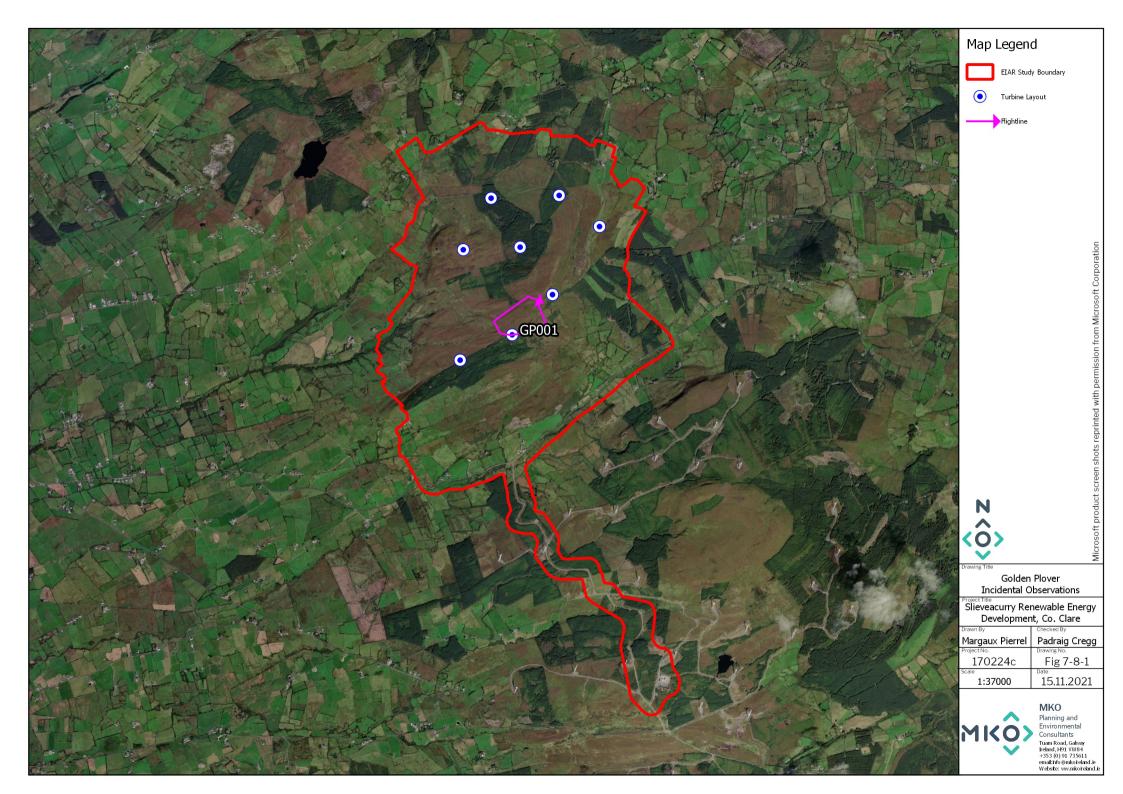




Table 1-5 Hen Harrier Vantage Point Survey Data

						1	/antage I	oint Surv	ey			
Map Ref.	Date	VP	Species	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Surveyor
HH001	21/06/2016	1	Hen Harrier	1	11:15	45		45			Rough grassland and Coniferous Forestry Male Hen Harrier observed hunting, quartering the ground low to the ground, disappeared out of sight behind conifer plantation.	TK
HH002	29/10/2016	3	Hen Harrier	1	14:20	120			30		PB2, (Upland blanket bog) WD4, (Conifer plantation) Hunting	TK
HH003	28/11/2016	3	Hen Harrier	1	14:12:00	35					PB2, (Upland blanket bog) WD4, (Conifer plantation) Hunting	TK
HH004	07/03/2017	2	Hen Harrier	1	14:50	20		20			PB2, (Upland blanket bog) WD4, (Conifer plantation) Non Hunting flight	TK
HH005	18/01/2018	1	Hen Harrier	1		72		72			PB4, (Cutover bog) WD4, (Conifer plantation) foraging	JK
HH006	22/02/2018	3	Hen Harrier	1	12:25	90	90				PB2, (Upland blanket bog) WD4, (Conifer plantation) Hunting	TK
HH007	21/10/2020	3	Hen Harrier	1	14:23	70	70	0	0	0	Male Hen Harrier hunting, quartering ground over area of upland blanket bog. upland blanket bog	TK
HH008	04/12/2020	1	Hen Harrier	1	13:51	45	30	15	0	0	Male Hen Harrier in flight-travelling. wet grassland and upland blanket bog	TK
HH009	17/01/2021	3	Hen Harrier	1	09:18	155	145	10	0	0	Male Hen Harrier hunting over area of blanket bog. upland blanket bog	TK
HH010	05/05/2021	3	Hen Harrier	1	07:30	40	0	25	15	0	Mobbed by hooded crow. mixed broadleaved woodland	SOB
HH011	07/05/2021	2	Hen Harrier	1	06:55	3	3	0	0	0	Hunting. upland blanket bog	SOB
HH012	11/06/2021	3	Hen Harrier	1	14:58	56	25	31	0	0	Flying. upland blanket bog	SOB
HH013	11/06/2021	3	Hen Harrier	1	17:31	119	84	35	0	0	hovering/ridingbeinr. upland blanket bog	SOB
HH014	21/06/2021	2	Hen Harrier	1	19:52	24	0	24	0	0	Flying. conifer plantation and upland blanket bog	SOB
HH015	09/07/2021	2	Hen Harrier	1	17:43	56	0	6	50	0	conifer plantation, improved agricultural grassland and wet grassland; flying, female hen harrier.	SOB



											circling higher in updraft then flew over hillside	
НН016	26/08/2021	3	Hen Harrier	1	17:31	96	6	34	56	0	upland blanket bog and scrub; hunting, flight, female hen harrier. likely attracted by huge flock of meadow pipits. flying low over slope as it came into view, ascended in height, flew in semicircle over trees, then bog aaing, descended lower and went out of sight	SOB
HH017	26/08/2021	3	Hen Harrier	1	18:15	39	39	0	0	0	upland blanket bog; hunting, female hen harrier erupted from ground below slope attacking flock of meadow pipit.	SOB
HH018	26/08/2021	3	Hen Harrier	1	18:34	28	18	10	0	0	upland blanket bog and conifer plantation; hunting, male hen-harrier gliding along forestry then over bog at low height.	SOB
НН019	07/09/2021	4	Hen Harrier	1	16:40	228	0	0	64	162	upland blanket bog and scrub; fighting, hunting, female hen harrier attacking two kestrels. diving at them, occasionally lunging at swallow. flew high up with kestrels then flew away from kestrels, descended and lost sight behind hill.	SOB
HH020	10/09/2021	1	Hen Harrier	1	18:23	60	4	16	40	0	upland blanket bog, conifer plantation and wet grassland; hunting, flight, female hen harrier emerged into sight after 4 mp flew overhead. hh flew up high along forest side then descended out of sight behind hill	SOB
HH021	17/09/2021	1	Hen Harrier	1	14:39	42	32	10	0	0	upland blanket bog and conifer plantation; hunting, flight, female hh. flying over hillside beyond forestry. sometimes hovering for a few seconds against wind. lost sight behind trees.	SOB
HH022	17/09/2021	2	Hen Harrier	1	16:12	45	0	9	36	0	upland blanket bog and conifer plantation; hunting, flight, male hen harrier flying, over hillside near	SOB



											forestry, occasionally stopping in air flying against wind.	
HH023	17/09/2021	2	Hen Harrier	1	16:52	93	0	6	85	0	upland blanket bog and conifer plantation; flight, territorial behaviour, female hen harrier, flying high, above 2 kestrels. circled above them for some time, then flew away.	SOB

Table 1-6 Hen Harrier Breeding Bird Survey Data

	Breeding Bird Survey													
Map Ref.	Survey Date	Time of observati	Species	Numb er of	Sex/a ge	Habitat and Activity	Comments	Survey						
	2 430	on		birds										
HH0	18/04/20		Hen	1			Male Hen Harrier seen hunting for 30 secs approx. 10m above ground.	TK						
01	17		Harrier											
HH0	08/04/20	16:05	Hen	1	Male	upland blanket bog	partial display - flies 4 loops with freefalls and spinning, then flies out of site over ridge	SD						
02	21		Harrier											
HH0	09/06/20	14:04	Hen	1	Male	upland blanket bog	skydancing/displaying	SOB						
03	21		Harrier			1								
HH0	18/06/20	18:44	Hen	1	male	upland blanket bog	hunting	SOB						
04	21		Harrier			•								
HH0	21/07/20	5:02	Hen	1	male	Flying, conifer plantation, upland	Male hen harrier came from south, flew over forest and headed north. Lost sight as it flew	SOB						
05	21		Harrier			blanket bog	low and behind a hill.							

Table 1-7 Hen Harrier Breeding Raptor Survey Data

	ar Harrier Bree	- <u>5</u> 1				Breeding Raptor Survey			
						5 1			
Map Ref.	Date	Time	Location	Species	Number of Birds	Activity/ behaviour	Habitat	Notes	Surveyor
HH001	22/04/2021	11:08	BRVP3	Hen Harrier	1	flies out of heather and continues low to the ground then out of sight		ringtail	SD
HH002	22/04/2021	11:55	BRVP3	Hen Harrier	1	flying low over heather then goes to ground		male	SD
HH003	22/04/2021	12:05	BRVP3	Hen Harrier	2	male displaying to female - loops and carrying prey for 20+ mins		at known nest site	SD
HH004	22/04/2021	11:00	BRVP3	Hen Harrier	2	flying together high		male and female	SD



HH005	22/04/2021	14:39	BRVP4	Hen Harrier	1	flying	female	SD
HH006	18/05/2021	17:05	BRVP3	Hen Harrier	1	flies up, circles and perches on dead tree, preening for 40mins.	male at nest site	SD
HH007	18/05/2021	17:45	BRVP3	Hen Harrier	1	leaves perch and begins hunting, quartering over heather, and out of site south behind hillock	same male hunting near nest	SD
HH008	18/05/2021	17:59	BRVP3	Hen Harrier	1	reappears still hunting - heads westwards low over heather, up and around the side of Slieve Callan	same male	SD
HH009	01/06/2021	11:59	BRVP3	Hen Harrier	1	Flying/skydancing		SOB
HH010	01/06/2021	12:01	BRVP3	Hen Harrier	1	flying	female flying (under 25m) then perched on tree	SOB
HH011	01/06/2021	12:06	BRVP3	Hen Harrier	1	flying	female flew east lost sight after 10 secs due to grassy bank blocking view	SOB
HH012	01/06/2021	13:12	BRVP3	Hen Harrier	1	flying low		SOB
HH013	01/06/2021	13:27	BRVP3	Hen Harrier	2	skydancing	male skydancing, flew south continuously skydancing afrer 270secs another HH started flollowing was light cllouredvso prob also male	SOB
HH014	01/06/2021	14:02	BRVP3	Hen Harrier	1	carying food	male hh carrying rodent seen for 30s	SOB
HH015	01/06/2021	14:16	BRVP4	Hen Harrier	1	carrying food	carrying rodent	SOB
HH016	01/06/2021	14:20	BRVP3	Hen Harrier	1	flying	male flying over forest treetoos	SOB
HH01	01/06/2021	14:24	BRVP3	Hen Harrier	1	flying preening	male hh flew to dead tree perched on branch preening and ruffling feathers	SOB
HH018	01/06/2021	14:29	BRVP3	Hen Harrier	1	flying	after preening m hh flew over trees	SOB
H0019	01/06/2021	13:27	BRVP3	Hen Harrier	1	flying/skydancing	began to follow another male HH which was skydancing over a section of forestry	SOB

Table 1-8 Hen Harrier Roost Survey Data

Hen Harrier Roost Survey												
Map Ref.	Date	Species Name	No. of Birds	Time of flight	Duration of flight (s)	Notes on habitat and activity	Comments	Surveyor				
HH001												

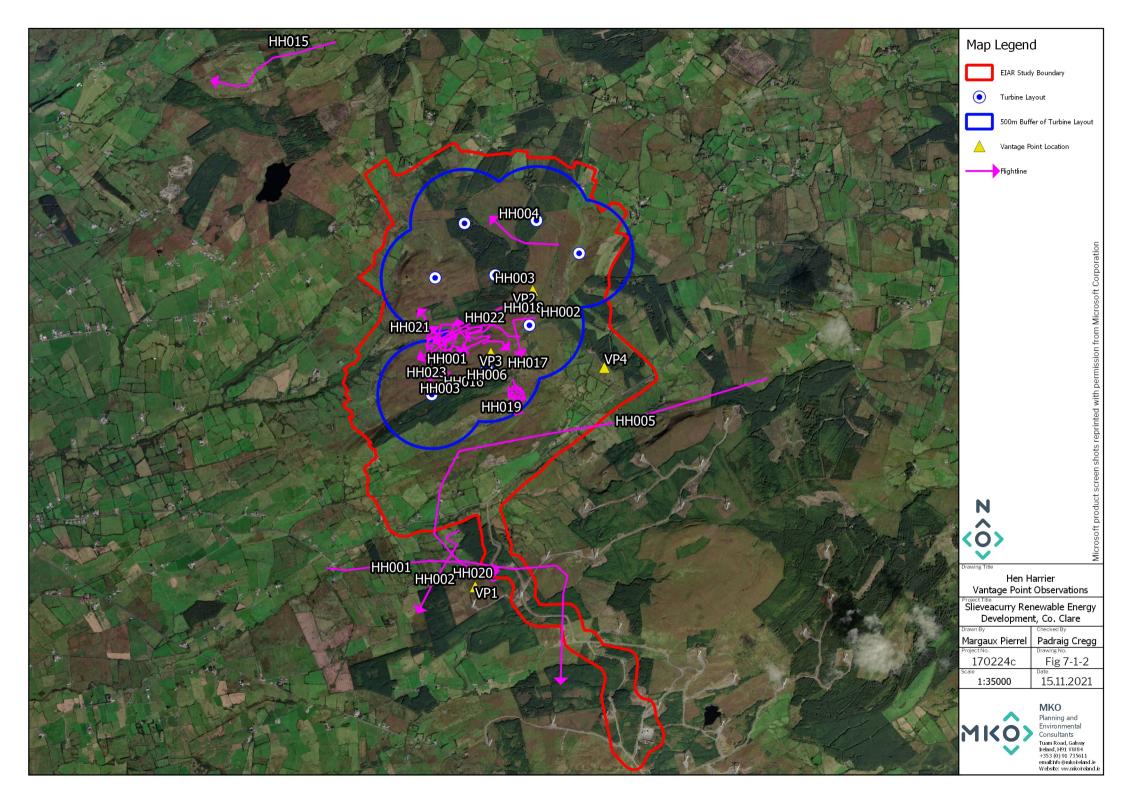


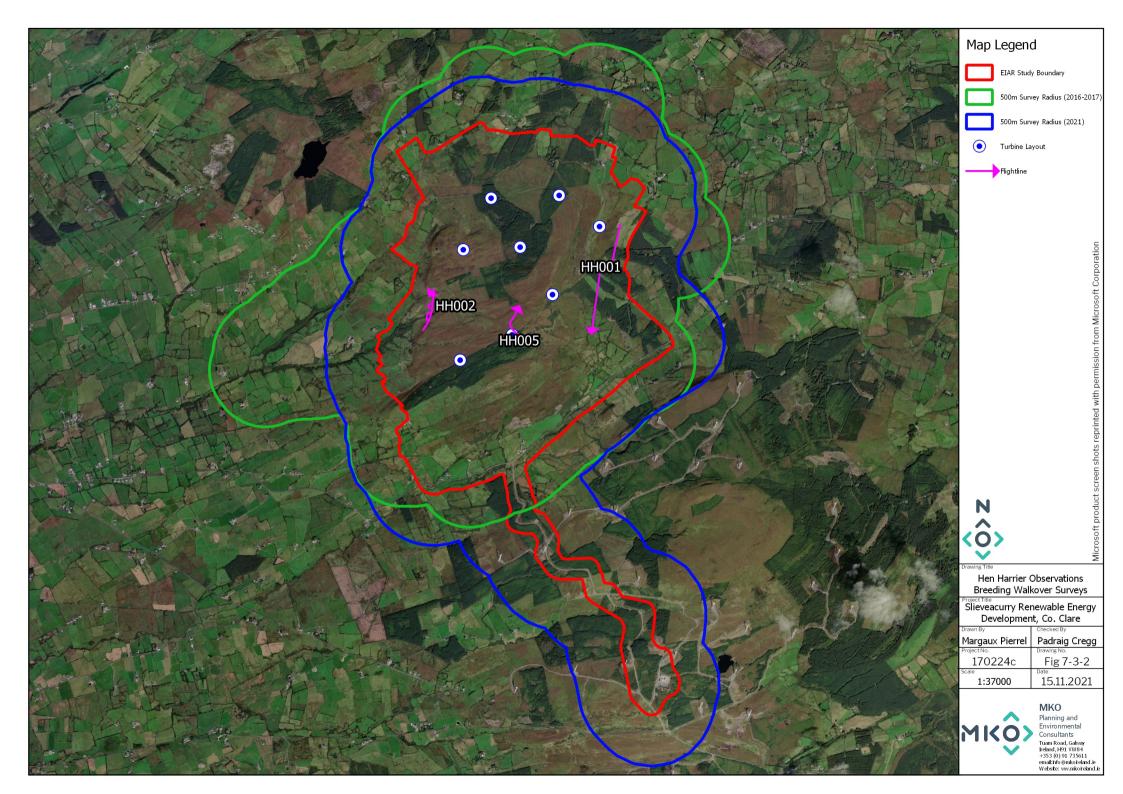
Table 1-9 Hen Harrier Winter Transect Survey Data

	Winter Transect Survey												
Map Ref.	Survey Date	Habitat and Activity	Comments	Surveyor									
	26/10/2016	13:26:00	Hen Harrier	1	GA1, (Improved agricultural grassland) Flying, Male, Chasing SN		PM						
HH00 2	10/12/2016	09:12:00	Hen Harrier	1	PB2, (Upland blanket bog) WD4, (Conifer plantation) Ringtail observed hunting over open upland blanket bog and conifer plantation		TK						
HH00 3	16/01/2017	11:45:00	Hen Harrier	1	PB2, (Upland blanket bog) Male seen in non-hunting flight		TK						
HH00 4	07/02/2017		Hen Harrier	1	PB2, (Upland blanket bog) Flight		TK						
HH00 5	24/10/2017	11:20:00	Hen Harrier	1	PB2, (Upland blanket bog) Hunting		TK						

Table 1-10 Hen Harrier Incidental Observation Survey Data

	Incidental Observation											
Survey Type	Location	Species	Number of Individuals	Notes	Surveyor							
VP Survey	Glendine R11300 80500	НН	1	Observed a ringtail Hen Harrier hunting while driving to VP Watch. More than likely a juvenile.	TK							







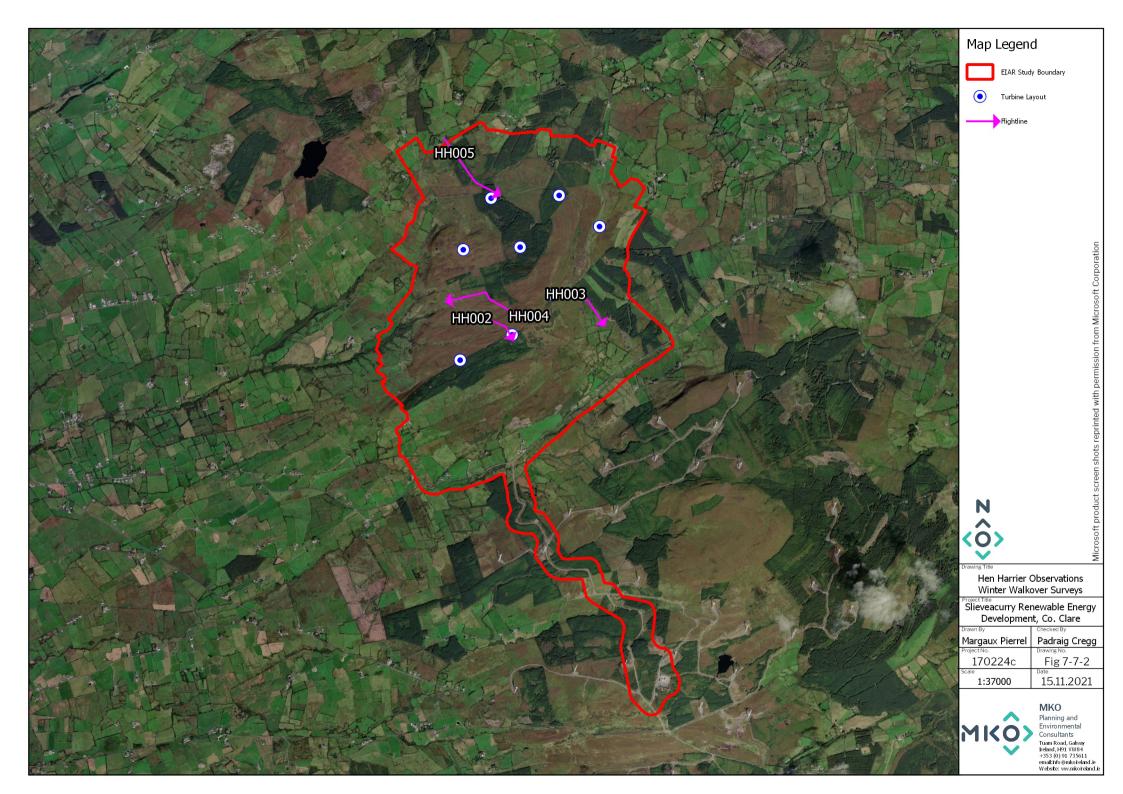






Table-1-11 Merlin Vantage Point Survey Data

	Vantage Point Survey													
Map Ref.	Date	VP	Species	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Surveyor		
ML001	30/10/2016	3	Merlin	1	13:50	40			20		PB2, (Upland blanket bog) Hunting	TK		

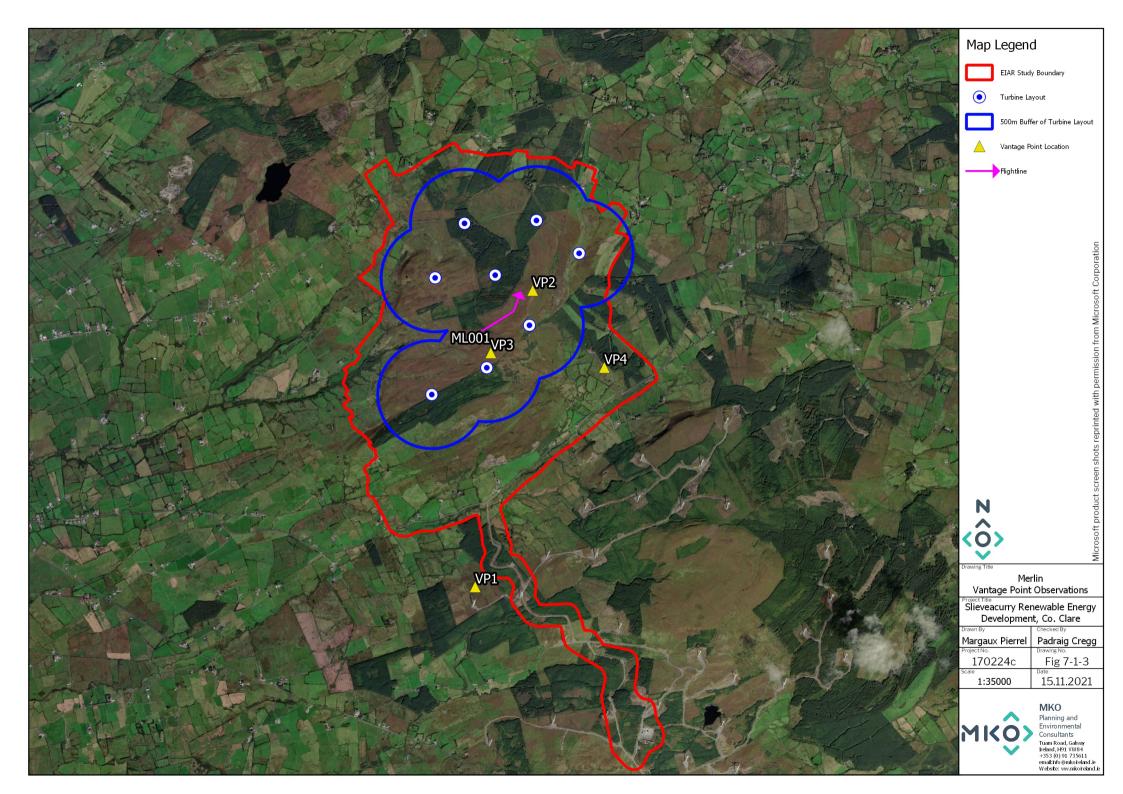




Table 1-12 Peregrine Falcon Vantage Point Survey Data

	Vantage Point Survey													
Map Ref.	Map Ref. Date VP Species No. Time of Ouration Band 1 Band 2 Band 3 Band 4 Notes on habitat and activity Surveyor of flight Birds (s) (10-25m) (25-175m)													
PE001	PE001 25/10/2016 1 Peregrine 1 10:12 208 208 PB2, (Upland blanket bog) GA1, Falcon (Improved agricultural grassland) hunting													

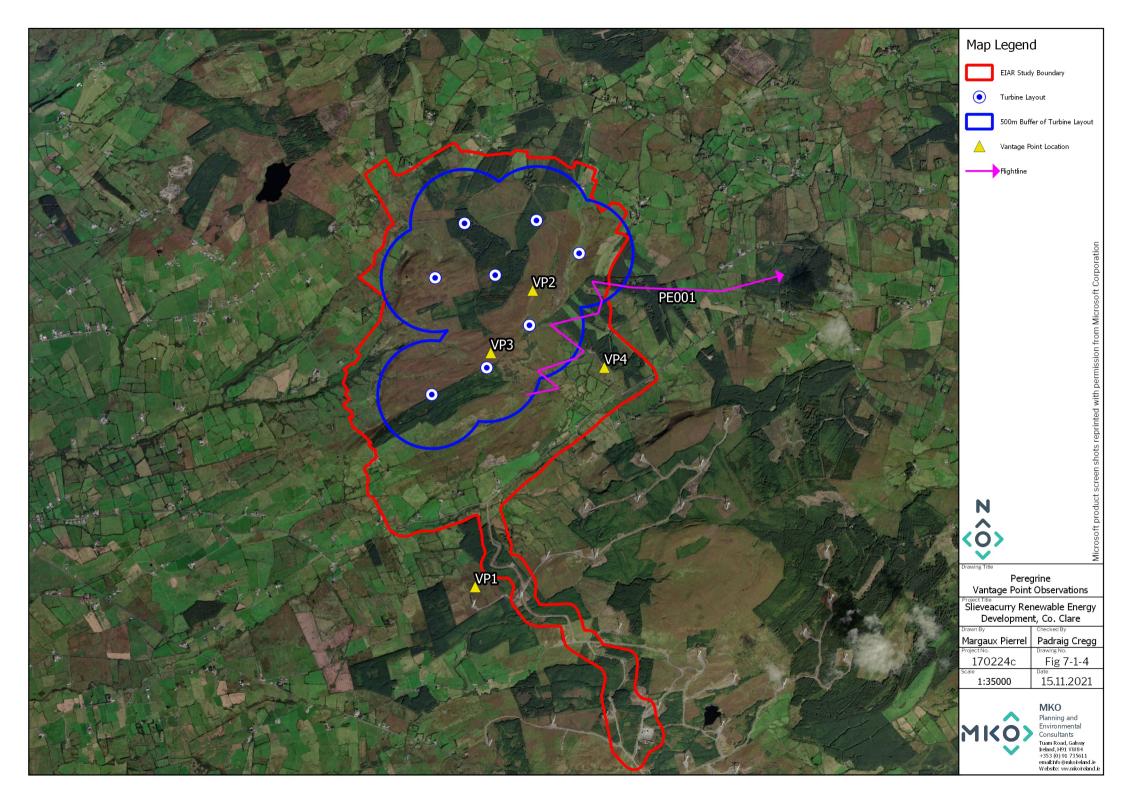




Table 1-13 Osprey Vantage Point Survey Data

	Vantage Point Survey													
Map Ref.	Date	VP	Species	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Surveyor		
OP001	OP001 25/10/2016 1 Osprey 1 09:16 234 PB2, (Upland blanket bog) WD4, (Conifer plantation) PM													

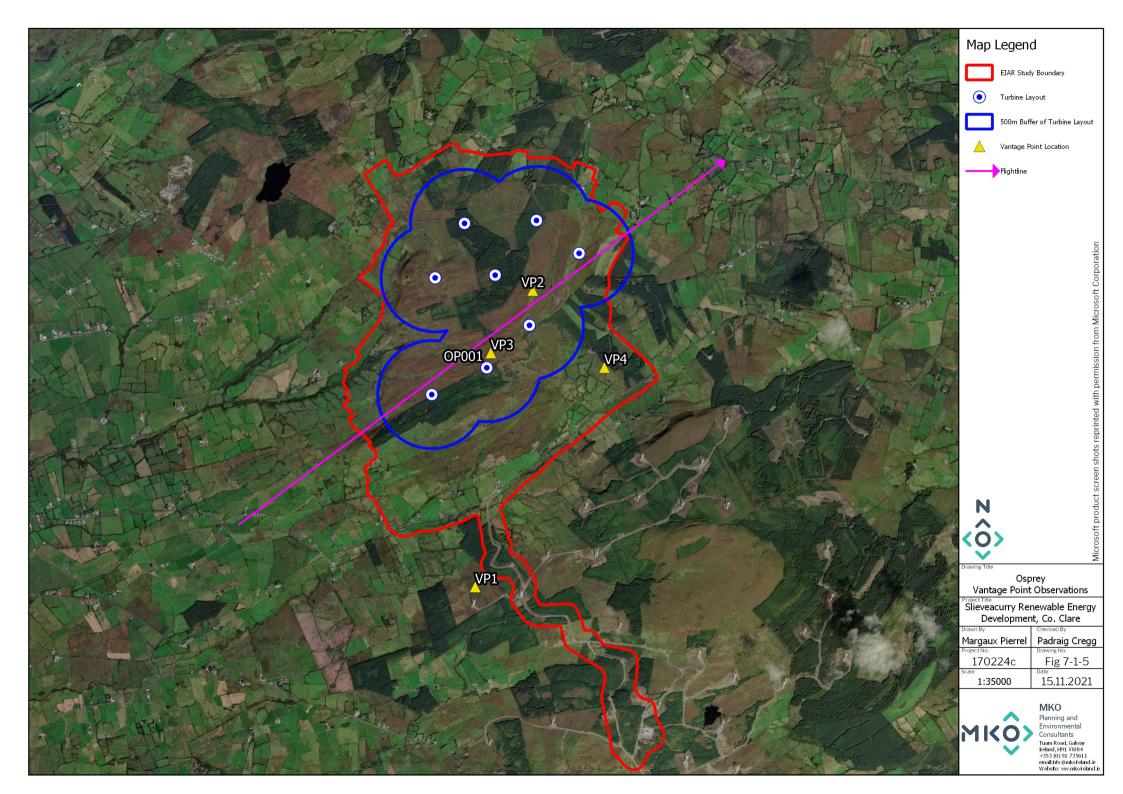




Table 1-14 Common Snipe Vantage Point (Flight) Survey Data

	Vantage Point Survey (Flight observations)														
Map Ref.															
SN001															
SN002	06/12/2017	VP1	Snipe	2	14:30	25			25		PB2, (Upland blanket bog) WD4, (Conifer plantation) In flight,	TK			
SN003	22/02/2018	3	Common Snipe	2	13:10	20		20			PB2, (Upland blanket bog) WD4, (Conifer plantation) In Flight	TK			
SN004	15/04/2021	3	Common Snipe	4	21:10	5	5	0	0	0	several birds start calling as darkness falls. upland blanket bog	SD			

Table 1-15 Common Snipe Vantage Point (Non-Flight) Survey Data

	Vantage Point Survey (Non-flight observations)													
Map Ref.	Date	VP	Species	No. of Birds	Time	Notes on habitat and activity	Comments	Surveyor						
	26/10/2016	2	Common Snipe	1	07:28	PB2, (Upland blanket bog) heard only		PM						
	26/10/2016	2	Common Snipe	1	07:37	PB2, (Upland blanket bog) heard only		PM						
	23/11/2017	2	Common Snipe	2				TK						

Table 1-16 Common Snipe Breeding Bird Survey Data

	Breeding Bird Survey												
Map Ref.	Survey Date	Time of observation	Species	Number of birds	Sex/age	Habitat and Activity	Comments	Surveyor					
SN001	24/04/2016	11:15:00	Common Snipe	1	Adult	PB2, (Upland blanket bog) WD4, (Conifer plantation) 1 Bird disturbed into flight	OFF	TK					
SN002	24/04/2016	12:15:00	Common Snipe	2	Adult	PB2, (Upland blanket bog) WD4, (Conifer plantation) 2 birds disturbed into flight.	ON	TK					



SN003	25/04/2016	10:35:00	Common Snipe	1	Adult	PB2, (Upland blanket bog) WD4, (Conifer plantation) Disturbed from ground into flight	ON	TK
SN004	25/04/2016	12:40:00	Common Snipe	1	Adult	PB2, (Upland blanket bog) WD4, (Conifer plantation) Disturbed from ground into flight	ON	TK
SN005	25/04/2016	12:50:00	Common Snipe	1	Adult	PB2, (Upland blanket bog) WD4, (Conifer plantation) Disturbed from ground into flight	ON	TK
SN006	26/05/2016	14:00:00	Common Snipe	1	Adult	Rough grassland and blanket bog 1 snipe disturbed into flight, possible breeding pair in area as habitat is suitable.	On	TK
SN007	20/07/2016	14:25:00	Common Snipe	2	Adult	Rough Grassland Disturbed from ground	On	TK
SN008	17/04/2017		Common Snipe	1				TK
SN009	18/04/2017		Common Snipe	1				TK
SN010	18/04/2017		Common Snipe	1				TK
SN011	18/04/2017		Common Snipe	1				TK
SN012	18/04/2017		Common Snipe	1				TK
SN013	19/04/2017		Common Snipe	1				TK
SN014	13/05/2017		Common Snipe	1				TK
SN015	13/05/2017		Common Snipe	1				TK
SN016	16/05/2017		Common Snipe	1				TK
SN017	16/05/2017		Common Snipe	1				TK
SN018	16/05/2017		Common Snipe	1				TK
SN019	04/06/2017		Common Snipe	1				TK
SN020	04/06/2017		Common Snipe	1				TK
SN021	04/06/2017		Common Snipe	1				TK
SN022	11/06/2017		Common Snipe	1				TK



SN023	11/06/2017		Common Snipe	1			TK
SN024	18/06/2017		Common Snipe	1			TK
SN025	18/06/2017		Common Snipe	1			TK
SN026	18/06/2017		Common Snipe	1			TK
SN027	18/06/2017		Common Snipe	1			TK
SN028	18/06/2017		Common Snipe	1			TK
SN029	18/06/2017		Common Snipe	1			TK
SN030	09/04/2021	15:02	Common Snipe	1	flushed by observer. upland blanket bog		SOB
SN031	06/05/2021	13:419	Common Snipe	1	alarmed flying. upland blanket bog	snipe flushed out, at bedrock road just before bend, after turn off from forest	SOB

	Winter Transect Survey								
Map Ref.	Survey Date	Trans No.	Time of observation	Species	Number of birds	Habitat and Activity	Comments	Surveyor	
	25/10/2016		11:52:00	Common Snipe	1	PB2, (Upland blanket bog) Flying		PM	
	25/10/2016		12:28:00	Common Snipe	1	PB2, (Upland blanket bog) Flying		PM	
	25/10/2016		12:47:00	Common Snipe	1	PB2, (Upland blanket bog) Flying		PM	
	26/10/2016		13:26:00	Common Snipe	1	GA1, (Improved agricultural grassland) Flying		PM	
	24/11/2016	Transect 2	09:33:00	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground		ТК	
	24/11/2016	Transect 4	10:40:00	Common Snipe	2	PB2, (Upland blanket bog) Flushed from ground		TK	
	25/11/2016	Transect 10	10:52:00	Common Snipe	3	PB2, (Upland blanket bog) Flushed from ground		TK	



10/12/2016	Transect 2	09:50:00	Common Snipe	1	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flushed from ground	ТК
10/12/2016	Transect 4	10:40:00	Common Snipe	3	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flushed from ground	ТК
10/12/2016	Transect 4	10:55:00	Common Snipe	2	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flushed from ground	ТК
11/12/2016	Transect 9	10:35:00	Common Snipe	1	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flushed from ground	ТК
11/12/2016	Transect 10	11:12:00	Common Snipe	1	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flushed from ground	ТК
11/12/2016	Transect 11	11:42:00	Common Snipe	2	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flushed from ground	ТК
13/01/2017	4	11:32:00	Common Snipe	2	PB2, (Upland blanket bog) Flushed from ground	TK
13/01/2017	4	11:44:00	Common Snipe	2	PB2, (Upland blanket bog) Flushed from ground	ТК
13/01/2017	6	12:45:00	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground	ТК
24/10/2017	2		Common Snipe	2	PB2, (Upland blanket bog)	ТК
24/10/2017	6		Common Snipe	1	PB2, (Upland blanket bog)	ТК
24/10/2017	9		Common Snipe	1	PB2, (Upland blanket bog)	ТК
24/10/2017	11		Common Snipe	2	PB2, (Upland blanket bog) GS4, (Wet grassland)	ТК
24/10/2017	12		Common Snipe	3	PB2, (Upland blanket bog) GS4, (Wet grassland)	ТК
16/11/2017	2		Common Snipe	2	PB2, (Upland blanket bog)	TK
16/11/2017	6		Common Snipe	3	PB2, (Upland blanket bog)	TK



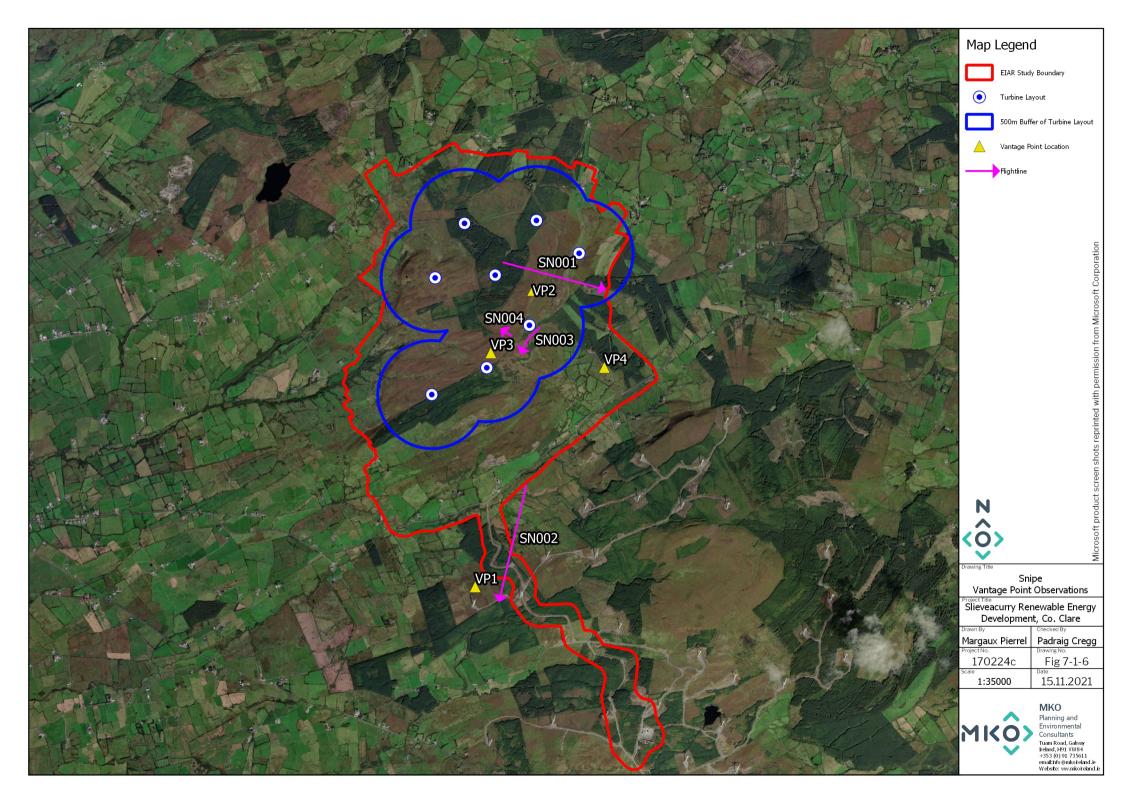
	16/11/2017	6	Common Snipe	1	PB2, (Upland blanket bog)	ТК
	16/11/2017	8	Common Snipe	1	PB2, (Upland blanket bog)	TK
	16/11/2017	11	Common Snipe	2	PB2, (Upland blanket bog) GS4, (Wet grassland)	TK
	16/11/2017	12	Common Snipe	2	PB2, (Upland blanket bog) GS4, (Wet grassland)	ТК
	09/12/2017	2	Common Snipe	1	PB2, (Upland blanket bog)	TK
	09/12/2017	2	Common Snipe	2	PB2, (Upland blanket bog)	TK
	09/12/2017	4	Common Snipe	1	PB2, (Upland blanket bog)	ТК
	09/12/2017	7	Common Snipe	2	PB2, (Upland blanket bog)	TK
	09/12/2017	8	Common Snipe	1	PB2, (Upland blanket bog)	ТК
	09/12/2017	9	Common Snipe	1	PB2, (Upland blanket bog)	ТК
	09/12/2017	10	Common Snipe	2	PB2, (Upland blanket bog)	TK
	08/01/2018	1	Common Snipe	2	PB2, (Upland blanket bog) Flushed from ground	TK
	08/01/2018	4	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground	ТК
	08/01/2018	7	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground	ТК
	08/01/2018	8	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground	TK
	08/01/2018	8	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground	TK
	08/01/2018	11	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground	TK
	08/01/2018	12	Common Snipe	1	PB2, (Upland blanket bog) Flushed from ground	TK
SN001	21/11/2020			1	Snipe flushed from ground	TK

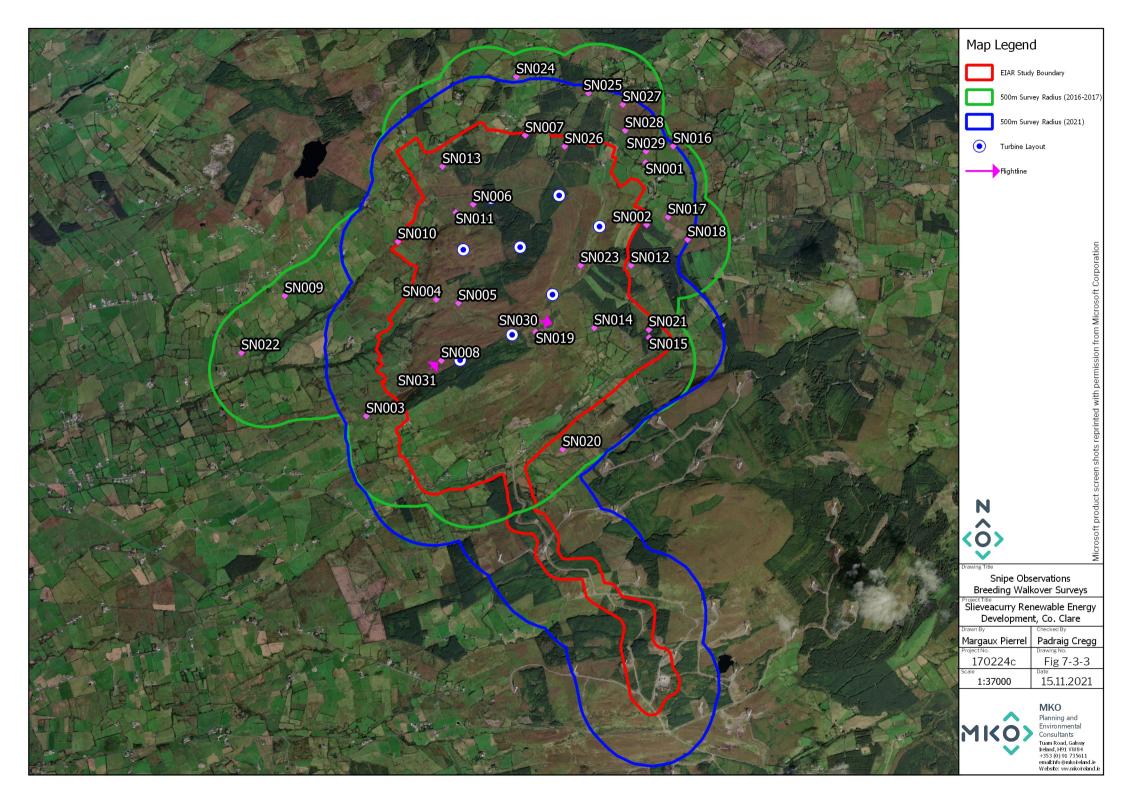


SN002	21/11/2020		1	Snipe flushed from ground	TK
SN003	21/11/2020		1	Snipe flushed from ground	ТК
SN004	21/11/2020		1		ТК
SN005	21/11/2020		1	2 Snipe flushed from ground	ТК
SN006	21/11/2020		2	Snipe flushed from ground	ТК
SN007	21/11/2020		1	Snipe flushed from ground	ТК
SN009	27/11/2020	08:55	1	Snipe flushed from ground	тк
SN009	27/11/2020		1	Snipe flushed from ground	тк
SN010	28/01/2021		1	Flushed from ground	тк
SN011	28/01/2021		1	Flushed from ground	ТК
SN012	28/01/2021		2	Flushed from ground	ТК
SN013	28/01/2021		1	Flushed from ground	ТК
SN014	29/01/2021		2	Flushed from ground	ТК
SN015	29/01/2021		3	Flushed from ground	ТК
SN016	03/02/2021	10:46	1	Flushed from ground	TK
SN017	03/02/2021	10:52	1	Flushed from ground	ТК
SN018	03/02/2021	11:25	1	Flushed from ground	тк
SN019	03/02/2021	13:55	1	Flushed from ground	ТК



SN020	03/02/2021	13:59	2	Flushed from ground		TK
SN021	04/02/2021	09:26	1	Flushed from ground		TK
SN022	04/02/2021	09:41	1	Flushed from ground		TK
SN023	04/02/2021	11:13	2	Flushed from ground		TK
SN024	04/02/2021	11:15	1	Flushed from ground		TK
SN025	04/02/2021	13:26	1	Flushed from ground		TK
SN026	04/02/2021	14:52	1	Flushed from ground		TK
SN027	15/03/2021	11:12	2	Roosting	Flushed from ground	TK
SN028	15/03/2021	11:15	1	Roosting	Flushed from ground	TK
SN029	15/03/2021	13:53	2	Roosting	Flushed from ground	TK
				g		
SN030	15/03/2021	13:56	1	Flushed from ground	Flushed from ground	TK
SN031	16/03/2021	12:11	2	Flushed from ground	Flushed from ground	TK
SN032	16/03/2021	12:13	1	Flushed from ground	Flushed from ground	TK
SN033	16/03/2021	12:26	1	Flushed from ground	Flushed from ground	TK
SN034	16/03/2021	13:08	1	Flushed from ground	Flushed from ground	TK
SN035	16/03/2021	14:22	1	Flushed from ground	Flushed from ground	TK





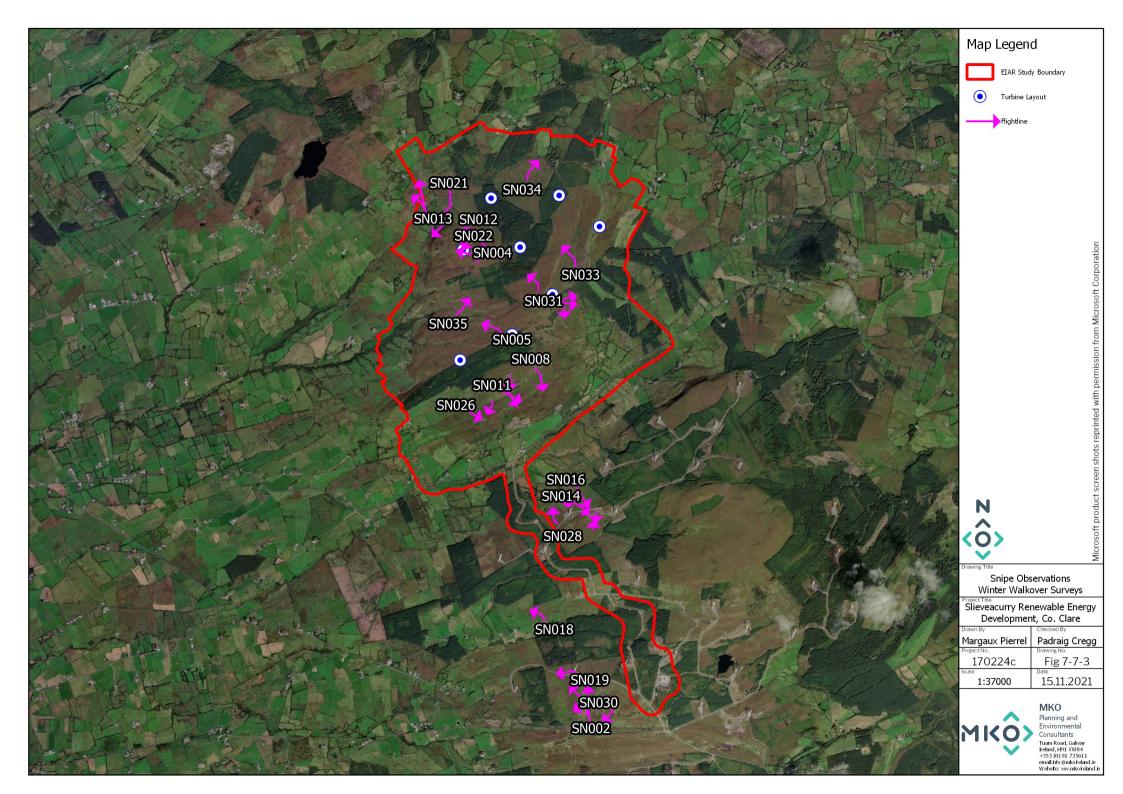




Table 1-17 Kestrel Vantage Point Survey Data

						Var	itage Poi	int Surve	у			
Map Ref.	Date	VP	Species	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0- 10m)	Band 2 (10- 25m)	Band 3 PCH (25- 175m)	Band 4 (>175m)	Notes on habitat and activity	Surveyor
K 001	17/04/2016	VP1	Kestrel	1	07:30:00	120	0	0	90	30	Rough grassland Hunting behaviour, hovering and flying on.	TK
K002	06/05/2016	1	Kestrel	1	17:10:00	120		30	90		Rough grassland Hunting behaviour, hovering and flying on.	TK
K 003	06/05/2016	1	Kestrel	1	19:25:00	45		30	15		Rough grassland and forestry Hunting behaviour, hovering and flying on.	TK
K004	12/05/2016	3	Kestrel	1	20:25:00	60		30	30		Blanket bog and scrub Hunting behaviour, hovering and flying on.	TK
K005	21/06/2016	1	Kestrel	1	14:25	90		60	30		Rough grassland and Coniferous Forestry Male Kestrel observed hunting, hovering before flying off.	TK
K 006	06/07/2016	1	Kestrel	1	11:25	120	10	80	30		Rough grassland & Conifer forestry Adult female Kestrel observed hunting, observed catching small mammal before flying off with prey in talons.	TK
K 007	10/08/2016	2	Kestrel	1	12:15	90	10	30	50		PB2, (Upland blanket bog) Adult male observed hunting and catching small mammal in talons, before flying off.	TK
K 008	05/09/2016	1	Kestrel	1	14:10	60		30	30		G, (Grassland and marsh) WD4, (Conifer plantation) Adult female seen hunting hovering briefly before flying on.	TK
K 009	26/10/2016	2	Kestrel	1	07:13	25			25		PB2, (Upland blanket bog) Travelling	PM
K010	22/11/2016	1	Kestrel	1	11:34:00	40			10		PB2, (Upland blanket bog) WD4, (Conifer plantation) GA1, (Improved agricultural grassland) Hunting	TK
K011	08/12/2016	1	Kestrel	1	11:05	45			15		PB2, (Upland blanket bog) WD4, (Conifer plantation) Hunting	TK
K012	09/02/2017	2	Kestrel	1	10:55	25	25				PB2, (Upland blanket bog) WD4, (Conifer plantation) Non Hunting Flight	TK
K 013	15/02/2017	1	Kestrel	1	14:15	165	165				PB2, (Upland blanket bog) WD4, (Conifer plantation) Hunting	TK
K014	12/03/2017	1	Kestrel	1	12:15	140	30		20		PB2, (Upland blanket bog) GA1, (Improved agricultural grassland) Hunting	TK
K015	24/05/2017	3	Kestrel	1	18:15	320		320			GS4, (Wet grassland) Hunting	JK
K 016	05/10/2017	2	Kestrel	1	11:42	60		60			PB2, (Upland blanket bog) WD4, (Conifer plantation) Hunting	TK



K017	23/10/2017	1	Kestrel	1	08:50	30		30			GA1, (Improved agricultural grassland) In non-hunting flight	TK
K018	23/11/2017	1	Kestrel	1	16:12	20		20			GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Hunting	TK
K 019	12/03/2018	1	Kestrel	1	17:50	120	40	80			GA1, (Improved agricultural grassland) WD4, (Conifer plantation) Hunting	TK
K020	18/10/2020	1	Kestrel	1	13:58	265	20	225	20		Male Kestrel hunting/hovering. upland blanket bog, wet grassland and conifer plantation	TK
K021	18/10/2020	1	Kestrel	1	14:16	110		110			Kestrel in flight hovering. improved agricultural grassland	TK
K022	22/10/2020	2	Kestrel	1	17:40	70		70			Kestrel hunting/hovering. upland blanket bog	TK
K023	25/11/2020	1	Kestrel	1	12:16	170	40	130			Male Kestrel hunting/hovering over area of rough grassland and blanket bog. upland blanket bog and improved agricultural grassland	TK
K024	04/12/2020	1	Kestrel	1	14:12	210		210			Female Kestrel hunting/hovering. wet grassland and improved agricultural grassland	TK
K025	09/01/2021	1	Kestrel	1	11:08	270		270			Female Kestrel hunting/hovering over rough grassland/bog. upland blanket bog and wet grassland	TK
K026	05/02/2021	1	Kestrel	1	12:56	210		180	30		Hunting. upland blanket bog, wet grassland and improved agricultural grassland	TK
K027	05/02/2021	1	Kestrel	1	13:19	130		130			Hunting. upland blanket bog, wet grassland and conifer plantation	TK
K028	02/03/2021	2	Kestrel	1	11:18	140		40	100		Kestrel hunting/hovering. upland blanket bog	TK
K029	04/03/2021	1	Kestrel	1	10:08	205	35	170			Male Kestrel hunting/hovering. improved agricultural grassland, wet grassland and hedgerows	TK
K 030	04/03/2021	1	Kestrel	1	13:23	160		160			Male Kestrel hunting/hovering. improved agricultural grassland, wet grassland and upland blanket bog	TK
K031	20/04/2021	1	Kestrel	1	16:27	22			22		flying over. improved agricultural grassland	SD
K032	07/05/2021	2	Kestrel	1	06:39	55			45	10	Flying and hovering. improved agricultural grassland	SOB
K 033	07/05/2021	2	Kestrel	1	06:41	80			40	40	Flying.	SOB



											improved agricultural grassland and conifer	
											plantation	
K034	07/05/2021	2	Kestrel	1	07:44	60			60		Flying.	SOB
											improved agricultural grassland	
K 035	07/05/2021	2	Kestrel	1	07:55	41			41		Hovering.	SOB
											improved agricultural grassland	
K 036	04/06/2021	4	Kestrel	1	18:50	390	5	15	370		hovering flying perching.	SOB
											upland blanket bog, conifer plantation and	
1//097	01/06/0001	2	T/ 1	1	17:14	62	1	2	59		wet grassland	SOB
K 037	21/06/2021	2	Kestrel	1	17:14	02	1	2	39		hunting hovering. improved agricultural grassland	ЗОВ
K 038	VP1	06/07/2021	12:42	Kestrel	1	148	0	88	60	0	upland blanket bog, wet grassland and conifer	SOB
11000	,,,,	00,07,2021	12.12	Resuci	•	110	Ü	00	00	· ·	plantation; hunting, male kestrel appeared from	502
											forest and started hovering over hillside using	
											wind to stay still while scanning below at various	
1/090	VP1	06/07/2021	13:15	V 1	1	63	10	20	33	0	points upland blanket bog; hunting, kestrel going in and	SOB
K 039	VFI	00/07/2021	15:15	Kestrel	1	03	10	20	55	U	out of sight hovering and diving	зов
K040	VP1	06/07/2021	13:18	Kestrel	1	107	20	67	20	0	upland blanket bog, improved agricultural	SOB
											grassland and wet grassland; hunting, kestrel	
											hovering at different spots at low height	
K 041	VP1	06/07/2021	13:20	Kestrel	1	30	0	5	25	0	upland blanket bog; flying, kestrel male flew over trees started hovering joined by other kestrel	SOB
K042	VP1	06/07/2021	13:20	Kestrel	2	42	0	42	0	7	upland blanket bog and conifer plantation; hovering, 2 kestrels hovering	SOB
K 043	VP1	06/07/2021	13:41	Kestrel	1	194	90	20	84	0	conifer plantation and upland blanket bog;	SOB
											hovering diving, female kestrel hovering and	
K044	VP1	06/07/2021	14:16	Kestrel	1	31	0	0	31	0	diving up and down beyond forestry improved agricultural grassland and conifer	SOB
K044	VII	00/07/2021	14:10	Kestrei	1	01	U	U	31	U	plantation; hunting, kestrel hovering then flew to	зов
											another spot, hovered then went out of sight	
K045	VP1	06/07/2021	14:25	Kestrel	1	68	0	0	68	0	wet grassland and mixed broadleaved woodland;	SOB
K046	VP1	06/07/2021	14:27	Kestrel	1	29	0	15	14	0	hovering upland blanket bog, wet grassland and conifer	SOB
K 040	VII	00/07/2021	14:27	Kestrei	1	29	U	13	14	U	plantation; hunting flying, briefly seen hovering	зов
											then flew over to other kestrel over forest	
K047	VP1	06/07/2021	14:28	Kestrel	1	56	0	0	66	0	wet grassland and conifer plantation; hovering	SOB
****	***	0.010=10.00	1100			4.0					huntint, kestrel hovering close by to other kestrel	
K048	VP1	06/07/2021	14:29	Kestrel	1	40	2	8	30	0	wet grassland and conifer plantation; hovering, kestrel joined other kestrel and hovered nearby	SOB
K049	VP1	06/07/2021	17:25	Kestrel	1	30	5	25	0	0	upland blanket bog, wet grassland and conifer	SOB
11040	VII	00/07/2021	17.20	Kestrei	1	50	3	20	U	U	plantation; hovering, kestrel seen hovering over	301
											field near forest	



K 050	VP4	07/07/2021	16:00	Kestrel	1	40	0	0	40	0	upland blanket bog; hunting hovering, later joined by 2nd bird	SOB
K051	VP4	07/07/2021	16:01	Kestrel	2	35	0	0	35	0	upland blanket bog; hovering, 2 kestrels hovering close together	SOB
K052	VP4	07/07/2021	16:03	Kestrel	4	30	0	0	30	0	upland blanket bog, scrub and conifer plantation; hunting, hovering, 4 kestrels hovering in close proximity to each other	SOB
K 053	VP4	07/07/2021	16:04	Kestrel	1	15	0	0	15	0	upland blanket bog and conifer plantation; flying hovering, kestrel group split up. lost sight after 15s focusing on other birds	SOB
K054	VP4	07/07/2021	16:04	Kestrel	1	21	0	9	12	0	upland blanket bog; hovering. flying, split off from group. joined another kestrel again	SOB
K055	VP4	07/07/2021	16:05	Kestrel	2	89	0	8	81	7	upland blanket bog, scrub and highly modified/non-native woodland; hovering, 2 kestrels hovering in close proximity	SOB
K 056	VP4	07/07/2021	16:07	Kestrel	1	49	0	0	49	0	upland blanket bog; hovering, lone kestrel hovering, other birds out of sight.	SOB
K 057	VP4	07/07/2021	16:58	Kestrel	1	20	0	0	20	0	upland blanket bog, improved agricultural grassland and conifer plantation; hovering, kestrel hunting in distande, lost sight when i saw ravens and looked away	SOB
K 058	VP2	09/07/2021	14:00	Kestrel	1	30	0	0	30	0	improved agricultural grassland and conifer plantation; hunting, seen hovering in distance	SOB
K 059	VP2	09/07/2021	14:46	Kestrel	1	25	0	0	25	0	upland blanket bog and conifer plantation; hunting, kestrel seen hunting beyond forest, hovering and diving up and down. view obscured by trees	SOB
K060	VP3	20/07/2021	14:56	Kestrel	1	465	10	30	405	20	upland blanket bog and conifer plantation; hunting, female kestrel hovering at various locations and flying between them. perched on tree for a few seconds then flew off and out of sight	SOB
K061	VP3	20/07/2021	14:45	Kestrel	1	51	2	10	39	0	upland blanket bog and conifer plantation; hunting, female kestrel. hovering then eescending, swoopingblow then flying up again, hovering then dived out of sight	SOB
K062	VP3	20/07/2021	14:46	Kestrel	1	83	5	45	33	0	upland blanket bog and conifer plantation; hunting, female kestrel hovering low, then flying low over ground, then going higher and hovering,mthen flew behind trees out of sight	SOB
K 063	VP2	18/08/2021	11:46	Kestrel	1	10	0	10	0	0	upland blanket bog; hovering, kestrel briefly glimpsed hovering behind hill,	SOB



K064	VP2	18/08/2021	12:23	Kestrel	1	40	0	1	39	0	conifer plantation and upland blanket bog; flight, male. flew in open area behind forest. then down into forest.	SOB
K065	VP2	18/08/2021	13:26	Kestrel	1	20	1	19	0	0	upland blanket bog; hunting, kestrel. seen briefly hunting, hovering then dived down. seen flying at low height behind hills. lost sight behind hills	SOB
K066	VP2	18/08/2021	13:29	Kestrel	1	19	1	3	15	0	upland blanket bog; hunting, hovering, kestrel seen hovering, then dived down.	SOB
K067	VP2	18/08/2021	13:32	Kestrel	1	22	1	1	20	0	upland blanket bog; hunting, kestrel, male, seen again hovering then dived down	SOB
K068	VP2	18/08/2021	13:35	Kestrel	1	42	0	27	15	0	upland blanket bog and conifer plantation; flight, kestrel flew away from area it was previously hunting at and went around forest. lost sight behind trees. hooded crows startled.	SOB
K069	VP2	18/08/2021	13:40	Kestrel	1	170	1	50	119	0	upland blanket bog and conifer plantation; hunting, kestrel flew along forestry and hovered over different spots on slope of bog, then dived down	SOB
K070	VP2	18/08/2021	13:52	Kestrel	1	217	47	75	95	0	upland blanket bog; hunting, kestrel female flew off from post, started hovering again first at low height then at further elevation. then dived down swooping low along hillside another kestrel appeared briefly at same time	SOB
K071	VP2	18/08/2021	13:52	Kestrel	1	16	6	10	0	0	upland blanket bog; flying, kestrel seen flying low over peat bog. lost sight behind hill	SOB
K072	VP2	18/08/2021	15:29	Kestrel	1	86	2	25	59	0	upland blanket bog; hunting, hovering, kestrel hovering over peat bog, dived down	SOB
K073	VP2	18/08/2021	15:35	Kestrel	1	35	1	19	15	0	upland blanket bog; hunting, hovering, kestrel seen hovering over bog. lost sight behind hills.dived down.	SOB
K074	VP2	18/08/2021	15:46	Kestrel	1	212	0	30	182	0	upland blanket bog and conifer plantation; hovering, flight, kestrel hovering over peat bog for a good while at height, then flew away lost sight behind spruce forest.	SOB
K075	VP1	19/08/2021	14:29	Kestrel	1	62	0	20	42	0	scrub, conifer plantation and upland blanket bog; hunting, hovering, hunting along edges of forest in slievecallan windfarm	SOB
K076	VP1	19/08/2021	14:47	Kestrel	1	107	0	41	66	0	scrub, conifer plantation and upland blanket bog; flight, hovering, kestrel flying alongside conifer plantation, then started hovering.	SOB
K077	VP1	19/08/2021	14:51	Kestrel	1	96	2	72	22	0	upland blanket bog, conifer plantation and wet grassland; flight, hunting, hovering, kestrel, flying along woodland edge, then started hovering over wet grassland and big. dived down.	SOB



K078	VP1	19/08/2021	17:40	Kestrel	1	25	20	5	0	0	upland blanket bog, wet grassland and conifer plantation; flight hovering, juvenile kestrel hovering over open field of bog and wet grass near conifers. then after 5 secs of hovering flew at low height out of sight	SOB
K 079	VP1	19/08/2021	17:45	Kestrel	1	46	36	10	0	0	wet grassland, upland blanket bog and conifer plantation; hunting, kestrel juvenile hovering above tree height then started swooping low over ground. pounced on ground, missed prey and flew to spruce trees.	SOB
K080	VP1	19/08/2021	15:57	Kestrel	1	9	9	0	0	0	upland blanket bog, wet grassland and scrub; hunting, flight, kestrel took off from trees and chased peey at low height. lost sight behind hill	SOB
K081	VP1	19/08/2021	16:45	Kestrel	1	196	2	164	30	0	conifer plantation and upland blanket bog; fighting, evading, juvenile fighting with larger darker brown bird of prey. eventually flew away. oost sight due to focusing on other raptor	SOB
K082	VP1	19/08/2021	17:51	Kestrel	1	86	0	0	86	0	upland blanket bog and short rotation coppice; hovering, kestrel hovering over side of slope in distance	SOB
K 083	VP3	26/08/2021	12:52	Kestrel	1	67	20	47	0	0	upland blanket bog; hunting, hovering, kestrel hovering going in and out of sight beyond hills	SOB
K084	VP3	26/08/2021	12:55	Kestrel	1	57	30	27	0	0	upland blanket bog; hovering, kestrel hovering at low height	SOB
K085	VP3	26/08/2021	15:52	Kestrel	1	47	17	30	0	0	upland blanket bog, scrub and wet grassland; gliding, hovering, female kestrel gliding northwest, started hovering, then glided out of sight	SOB
K086	VP3	26/08/2021	17:26	Kestrel	1	146	0	31	115	0	upland blanket bog and scrub; hunting, hovering, female kestrel seen hovering over hilkside in distance, moved closer and started circling around upwards then a second kestrel was seen.	SOB
K087	VP3	26/08/2021	17:28	Kestrel	1	179	0	0	16	163	upland blanket bog; gliding, soaring hovering, second kestrel, male came into view. started gliding upwards, ascended above 200m in circles. ocasionally hovering briefly	SOB
K088	VP4	26/08/2021	18:04	Kestrel	1	106	0	2	104	0	upland blanket bog; hunting, hovering, kestrel hovering over bog in distance, descened out of sight	SOB
K089	VP4	07/09/2021	15:18	Kestrel	1	45	0	0	45	0	upland blanket bog, wet grassland and improved agricultural grassland; hunting, hovering, hunting over rough fields in distance. lost sight behind forest	SOB
K 090	VP4	07/09/2021	15:53	Kestrel	1	174	40	55	79	0	upland blanket bog, scrub and wet grassland; hunting, hovering, being mobbed, kestrel flew	SOB



											into sight mobbed by flock of house martins went out of sight behind hillside.	
K 091	VP4	07/09/2021	16:40	Kestrel	1	196	0	0	32	162	upland blanket bog; fighting, kestrel. 1 of two. one kestrel in particular was harassed by hen harrier.	SOB
K092	VP4	07/09/2021	16:38	Kestrel	2	90	0	30	60	0	upland blanket bog; hunting, hovering, 2 kestrels hunting in close proximity. hovering over 25m above hillside, ocasionnaly descending and hovering at lower height before ascending again.	SOB
K 093	VP4	07/09/2021	17:19	Kestrel	1	124	3	2	119	0	upland blanket bog and scrub; hunting hovering, being mobbed, female kestrel hunting over rough fields and bog. mobbed by house martins, not bothered. dived down sharply to ground	SOB
K094	VP4	07/09/2021	17:21	Kestrel	1	175	23	35	117	0	upland blanket bog and scrub; hunting, hovering, flight, evading being mobbed, kestrel, female flew off from ground, hovered for a bit, flew away from large group of house martins which mobbed her, then hovered again further away. then dived down,	SOB
K095	VP4	07/09/2021	17:24	Kestrel	1	89	2	30	57	0	upland blanket bog; hovering, flight, being mobbed, kestrel emerged from ground, started hovering, at various points, moving north, then descended hovering at lower height, then flew out of sight. mobbed by the odd house martin	SOB
K096	VP4	07/09/2021	20:21	Kestrel	1	57	0	17	40	0	improved agricultural grassland, wet grassland and treelines; flight, hovering, kestrel over hillside, then flew and perched on tall spruce	SOB
K097	VP4	07/09/2021	20:39	Kestrel	1	3	2	1	0	7	improved agricultural grassland and treelines; flight, kestrel took off from spruce tree	SOB
K098	VP1	10/09/2021	18:39	Kestrel	1	97	19	78	0	0	upland blanket bog and conifer plantation; hunting, hovering, flight, kestrel hunting over heather slope in distance. mostly hovering. flew out of sight.	SOB
K 099	VP2	17/09/2021	14:21	Kestrel	1	73	0	0	73	0	upland blanket bog; hunting, hovering, kestrel hunting over mountain bog beyond forestry.	SOB
K100	VP2	17/09/2021	14:57	Kestrel	1	215	12	30	173	0	upland blanket bog; hunting, hovering, dive, flight, kestrel hovering over peat bog fir abround I minute, dived down to ground. flew back up, hovered more for a while then flew out of sight	SOB
K101	VP2	17/09/2021	15:54	Kestrel	1	202	2	66	134	0	conifer plantation, upland blanket bog and improved agricultural grassland; flight. hunting, hovering., female kestrel, emerged from forest, hovered over bog beside forest. flew over forest, then hovered again, then dived down out of sight.	SOB



K102	VP2	17/09/2021	16:18	Kestrel	1	79	1	1	77	0	upland blanket bog; hunting, hovering, diving, kestrel hovering in distance over mountain bog, dived down.	SOB
K103	VP2	17/09/2021	16:55	Kestrel	2	25	2	23	8	0	upland blanket bog; flight, hovering, 2 kestrel seen hovering close together after hen harrier left. also seen while watching hen harrier. flew away disappeared beyond hillside.	SOB
K104	VP2	18/08/2021	13:45	Kestrel	1						upland blanket bog; eating, kestrel perched on wooden pot eating rodent. female	SOB
K105	VP1	19/08/2021	17:46	Kestrel	1						conifer plantation and scrub; preening, hunting, female kestrel perched on spruce trees. remainedvtgere for 10 mins. mostly preening, at one point she spotted prey dived down and missed, then returned to tree	SOB
K106	VP4	07/09/2021	20:35	Kestrel	1						treelines and improved agricultural grassland; perched, preening, scanning, kestrel perched on spruce tree preening for a while, then looked around for a good while, then flew off	SOB

						Breeding Bird Survey		
Map Ref.	Date	Time	Species	Number of Birds	Activity/Behaviour	Habitat	Notes	Surveyor
K002	09/06/2021	15:25	Kestrel	1	hovering	upland blanket bog	male kestrel seen hovering just beyond hill. (where break is often taken during walkover) Seen diving down and wasnt seen after that.	SOB
K001	26/05/2021	15:26	Kestrel	1	hunting, circling over fields	improved agricultural grassland and scrub		SD
K003	21/07/2021	14:16	Kestrel	1		improved agricultural grassland and upland blanket bog; carrying prey se, female kestrel seen flying up into air and flying south east carrying rodent. lost sight as it flew behind hill out of fsight (suitable nesting habitat; possible breeder)		SOB
K004	21/07/2021	15:38	Kestrel	1		upland blanket bog; hunting, kestrel hovering in air scanning below, dived down. (suitable nesting habitat; possible breeder)		SOB



K005	21/07/2021	16:55	Kestrel	1	improved agricultural grassland; hunting,	SOB
					female kestrel seen hovering over agricultural grassland. dived down.	
					(suitable nesting habitat; possible breeder)	

Table 1-18 Kestrel Breeding Raptor Survey Data

				Bre	eding Raptor Survey		
Map Ref.	Date	Species Name	No. of Birds	Time of flight	Notes on habitat and activity	Comments	Surveyor
K001	26/04/2016	Kestrel	1	13:10:00	PB2, (Upland blanket bog) Male Kestrel observed hunting. Observed in Flight for approximately 30 secs. Possibly breeding on site		TK
K002	18/05/2016	Kestrel	1	11:00:00	WD4, (Conifer plantation) Hunting behaviour, hovering and flying on. Oberved along Transect 5 on map.		TK
K 003	19/05/2016	Kestrel	1	16:20:00	WD4, (Conifer plantation) Non hunting flight, observed along Transect 8 on map.		TK
K004	22/05/2016	Kestrel	1	14:10:00	PB2, (Upland blanket bog) WS, (Scrub/ transitional woodland) Hunting behaviour, hovering and flying on. Observed from Vantage Point 11. on map		TK
K 005	06/06/2016	Kestrel	1	14:22:00	PB2, (Upland blanket bog) WD4, (Conifer plantation) Observed hunting	ON	TK
K006	14/06/2016	Kestrel	1	16:30:00	Observed in non hunting flight.	OFF	TK
K 007	24/07/2016	Kestrel	2	10:48:00	PB2, (Upland blanket bog) WD4, (Conifer plantation) Hunting, hovering then flying off	Adult female observed hunting, hovering before flying off	TK
K008	29/07/2016	Kestrel	3	07:12:00	PB2, (Upland blanket bog) In Flight	Observed in flight.	TK
K 009	12/05/2017	Kestrel	1		PB2, (Upland blanket bog) Male Kestrel seen hunting		TK
K010	22/05/2017	Kestrel	1		PB2, (Upland blanket bog) Female Kestrel seen hunting		TK
K011	03/06/2017	Kestrel	1		PB2, (Upland blanket bog) Male Kestrel seen hunting		TK
K012	16/06/2017	Kestrel	1		PB2, (Upland blanket bog) Female Kestrel seen hunting		TK
K 013	20/07/2017	Kestrel	1				TK
K014	25/07/2017	Kestrel	1				TK
K 015	22/04/2021	Kestrel	1	11:45	hovering, then strikes. upland blanket bog		SD
K 016	22/04/2021	Kestrel	1	17:01	flying over treetops, flew into field, then elevated, flew over more woodland and out of site. conifer plantation and improved agricultural grassland		SOB
K017	23/04/2021	Kestrel	1	14:01	hunting over clearfell.		SD



					conifer plantation	
K018	21/05/2021	Kestrel	1	15:19	flying high. improved agricultural grassland	SD
K019	28/05/2021	Kestrel	1	12:05	comes in from south, hunts over scrub and heads north. conifer plantation and scrub	SD
K020	17/06/2021	Kestrel	1	12:25	hovering hunting. upland blanket bog	SOB
K021	16/07/2021	Kestrel	1	17:16	Kestrel carrying food, flying fast with intent across valley.	SOB

Table 1-19 Kestrel Winter Transect Survey Data

					Winter Transect Survey								
Map Ref.	Survey Date Time of observation Species Number of birds Habitat and Activity Comments Surveyor												
K001	08/02/2018		Kestrel	1			JK						
K002	04/02/2021	09:30	Kestrel	1	Hunting/hovering. upland blanket bog and wet grassland	Male	TK						
K 003	16/03/2021	15:10	Kestrel	1	Hunting. wet grassland and upland blanket bo	male	TK						

	Incidental Observations											
Map Reference	Date	Time	Survey	Location	Species	Number of Individuals	Activity/ behaviour	Habitat	Notes	Surveyor		
K001	23/10/2020	18:02	Hen Harrier Roost Survey	HHVP4	Kestrel	1	Female Kestrel hunting	upland blanket bog and wet grassland		TK		
K002	29/10/2020	16:22	Hen Harrier Roost Survey	HHVP6	Kestrel	1	Male Kestrel hunting.	upland blanket bog		TK		
K 003	23/11/2020	16:22	Hen Harrier Roost Survey	HHVP4	Kestrel	1	Male Kestrel hunting.	upland blanket bog and wet grassland		TK		
K004	27/11/2020	16:42	Hen Harrier Roost Survey	HHVP6	Kestrel	1	Kestrel hunting	upland blanket bog and wet grassland		TK		



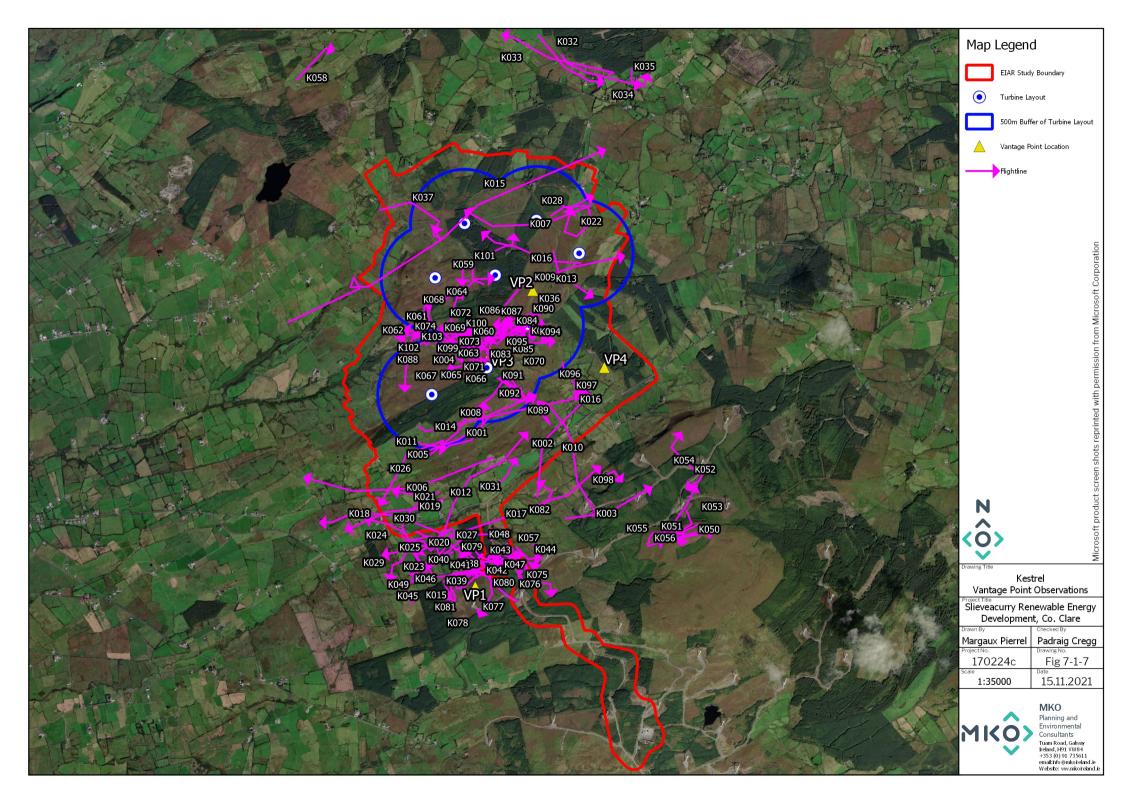
K005	12/12/2020	16:11	Hen Harrier Roost Survey	HHVP4	Kestrel	1	Male Kestrel hunting. 10-20 m high.	upland blanket bog and wet grassland	TK
K006	15/12/2020	16:32	Hen Harrier Roost Survey	HHVP6	Kestrel	1	Male Kestrel hunting/hovering 10 - 20m high	lowland blanket bog	TK
K007	17/01/2021	16:49	Hen Harrier Roost Survey	HHVP1	Kestrel	1	Kestrel hunting/hovering	upland blanket bog	TK
K008	26/01/2021	17:02	Hen Harrier Roost Survey	HHVP4	Kestrel	1	Kestrel hunting	upland blanket bog and wet grassland	TK
K009	04/02/2021	17:03	Hen Harrier Roost Survey	HHVP4	Kestrel	1	hunting	upland blanket bog and wet grassland	TK
K010	13/02/2021	17:26	Hen Harrier Roost Survey	HHVP6	Kestrel	1	hunting	upland blanket bog	TK
K011	15/03/2021	18:12	Hen Harrier Roost Survey	HHVP5	Kestrel	1	Hunting	upland blanket bog	TK

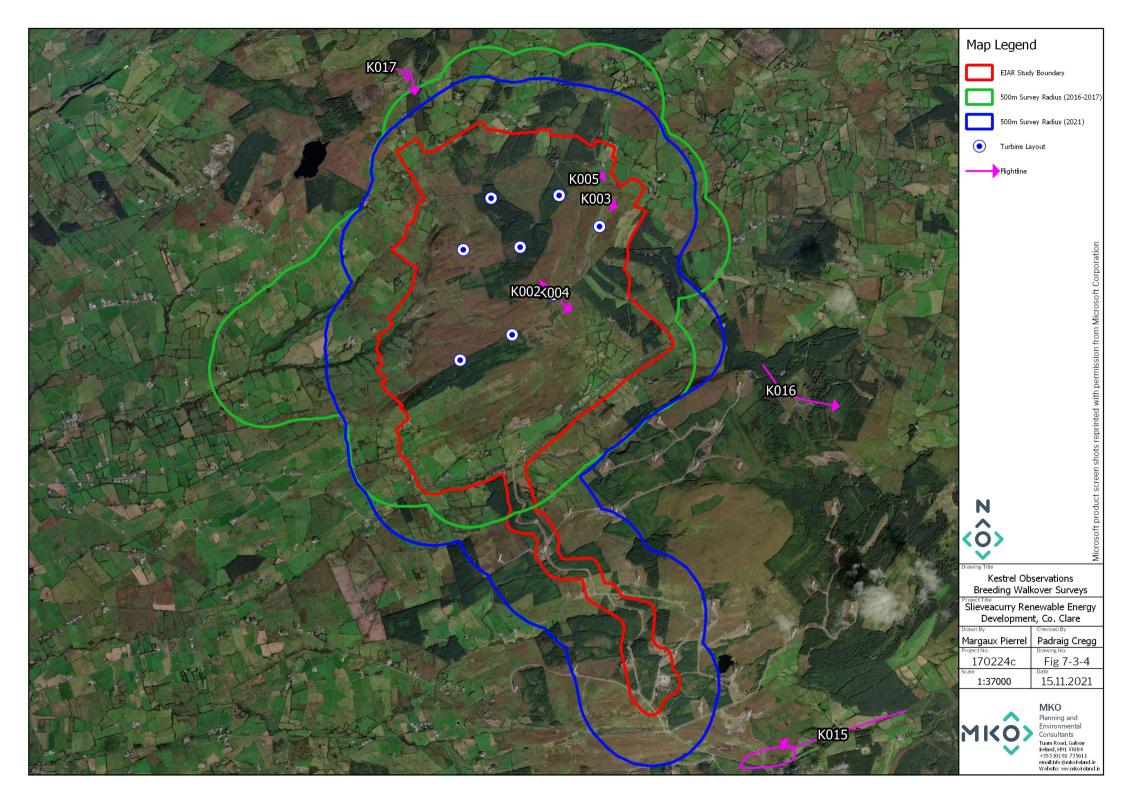
Table 1-20 Red Grouse Vantage Point Survey Data

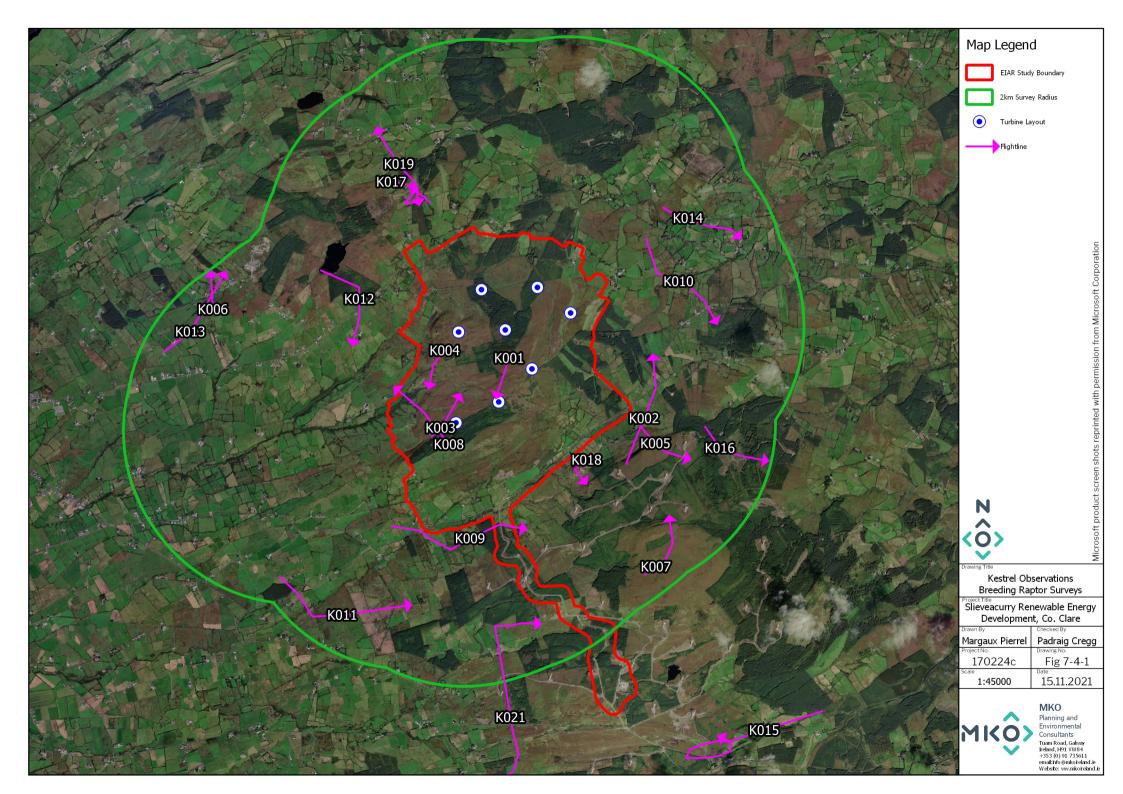
	Vantage Point Survey														
Map Reference	Date	Time	VP	Species	Number of Birds			Duration in Band 2 (10-25m) (s)				Habitat	Notes	Surveyor	
RG001	15/04/2021	20:58	VP3	Red grouse	1	3	3	0	0	0	several male calls followed by display flight over heather	upland blanket bog		SD	

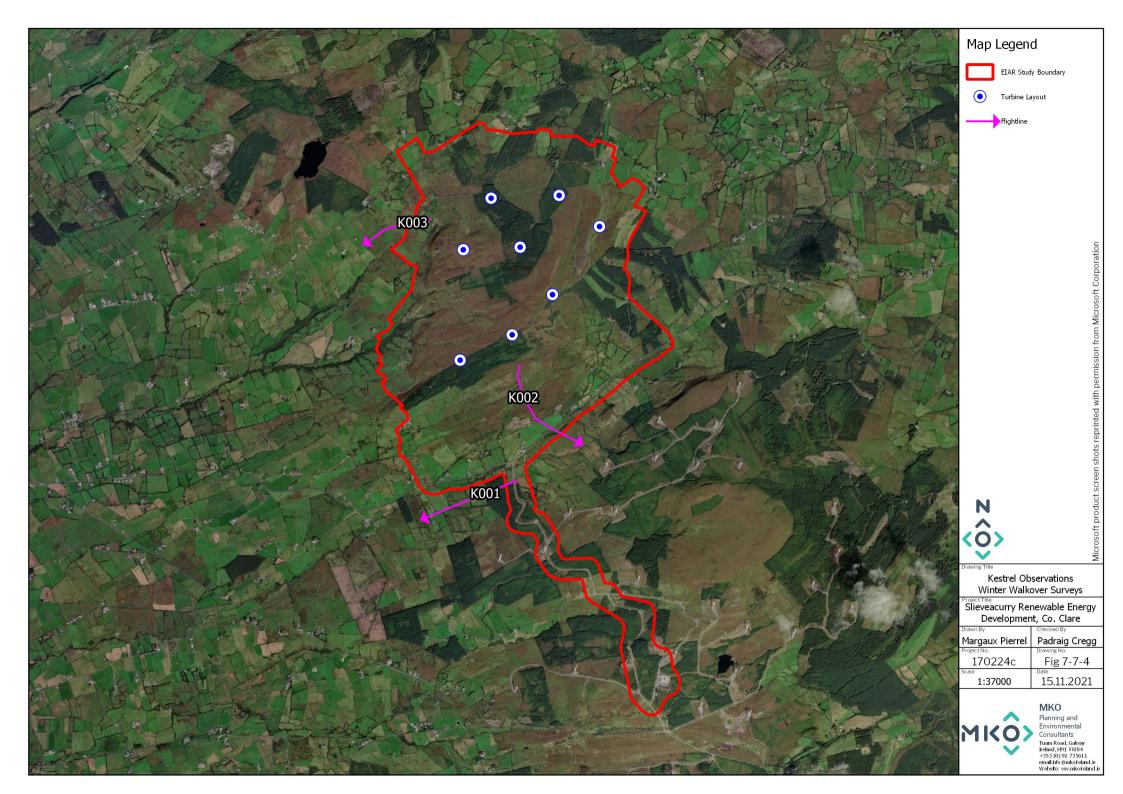
Table 1-21 Red Grouse Breeding Bird Survey Data

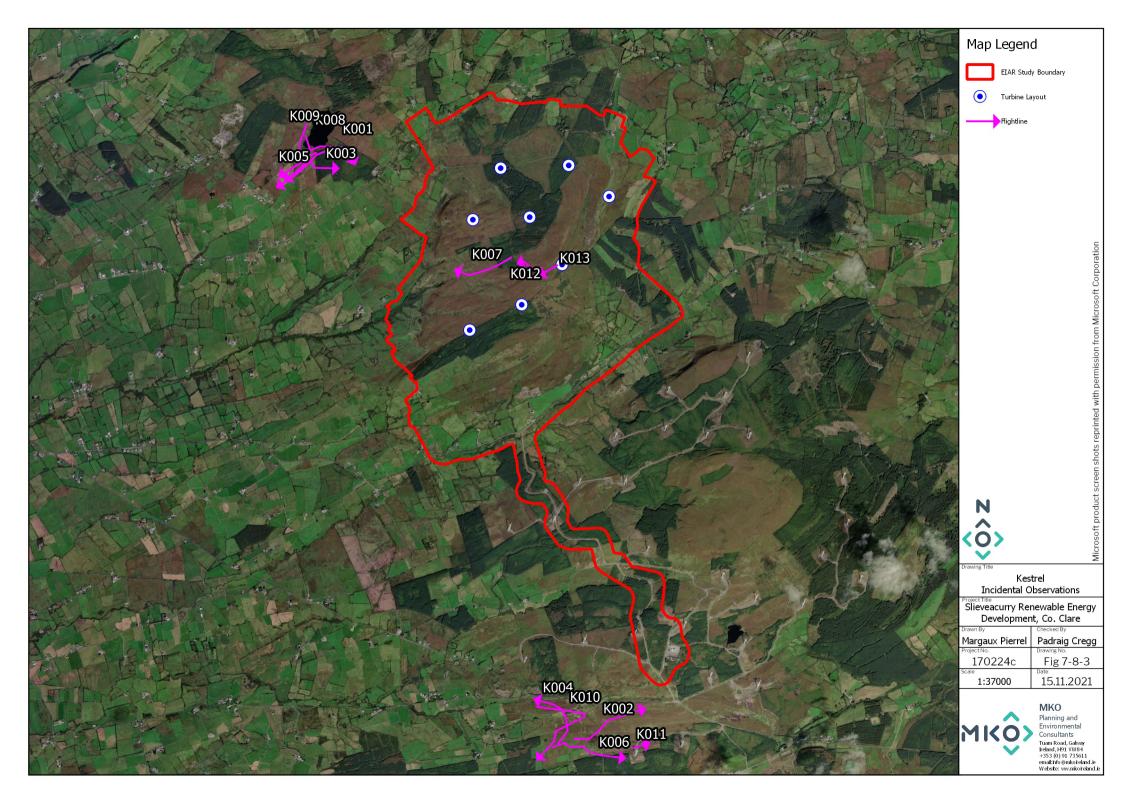
				Breeding P	Bird Survey			
Map Ref.	Survey Date	Time of observation	Species	Number of birds	Sex/age	Habitat and Activity	Comments	Surveyor









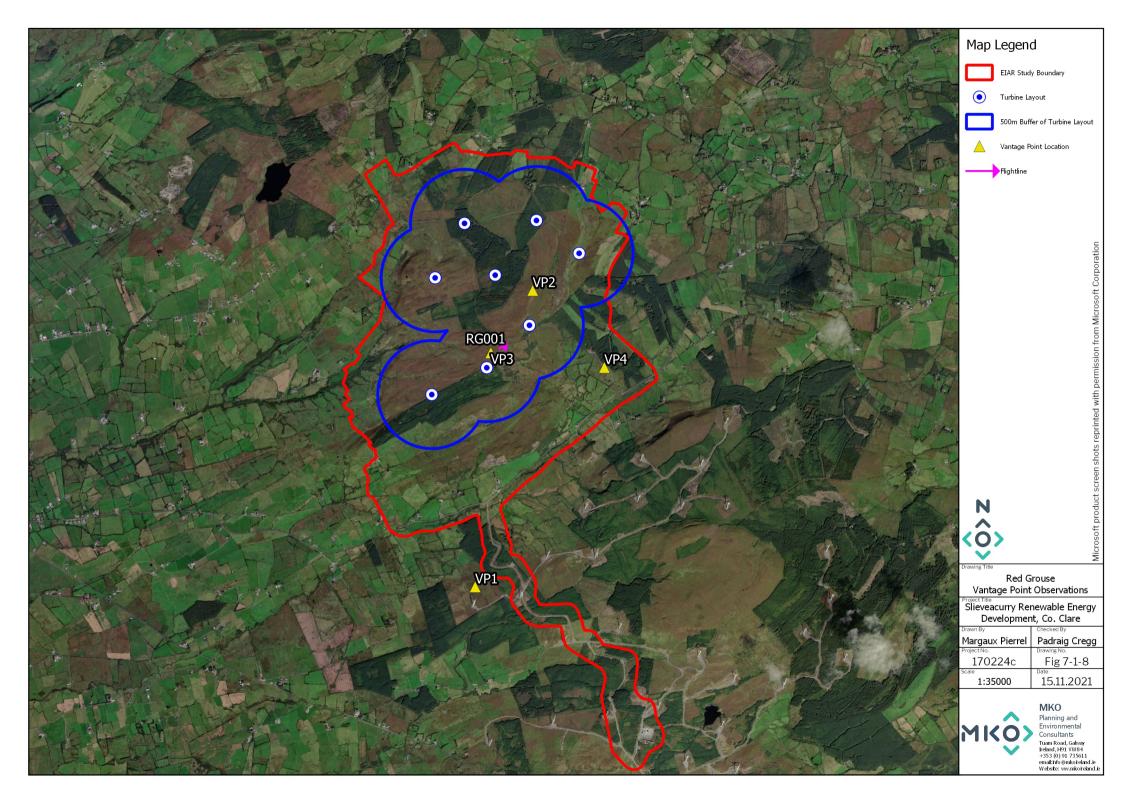




RG001	24/04/2016	09:35:00	Red Grouse	1	Adult Male	PB2, (Upland blanket bog) Male bird	ON	TK
						disturbed into flight without calling, identified		
						as being Male		

Table 1-22 Red Grouse Survey Data

						Red Grouse Survey		
Map Ref.	Date	Species Name	No. of Birds	Time of flight	Duratio n of flight (s)	Notes on habitat and activity	Comments	Surveyor
RG001	30/03/2017	Red Grouse	1			One Bird Flushed from North, towards North-West		СР
RG002	30/03/2017	Red Grouse	1			Bird heard calling from the south		СР
RG003	21/03/2018	Red Grouse	2	10:06:0 0	5	PB2, (Upland blanket bog) One bird away, one calling	Pair	JC
RG004	21/03/2018	Red Grouse	1	11:47:0 0	40	PB2, (Upland blanket bog) Circling	Male circled twice, calling before flying off	JC
RG005	21/03/2018	Red Grouse	1	11:54:0 0	10	PB2, (Upland blanket bog) Flushed		JC
RG006	21/03/2018	Red Grouse	1	12:00:0 0		PB2, (Upland blanket bog) Calling		JC
RG007	21/03/2018	Red Grouse	2	12:51:0 0	15	PB2, (Upland blanket bog) HH3, (Wet heath) Flew away	Pair	JC
RG008	21/03/2018	Red Grouse	1	13:08:0 0	10	PB2, (Upland blanket bog) Female flew away calling		JC
RG009	21/03/2018	Red Grouse	1	13:45:0 0	20	PB2, (Upland blanket bog) WD4, (Conifer plantation) Flew towards, than away calling	Flew over conifer plantation	JC
RG010	21/03/2018	Red Grouse	1		-	PB, (Bogs) WD4, (Conifer plantation) Calling		JC



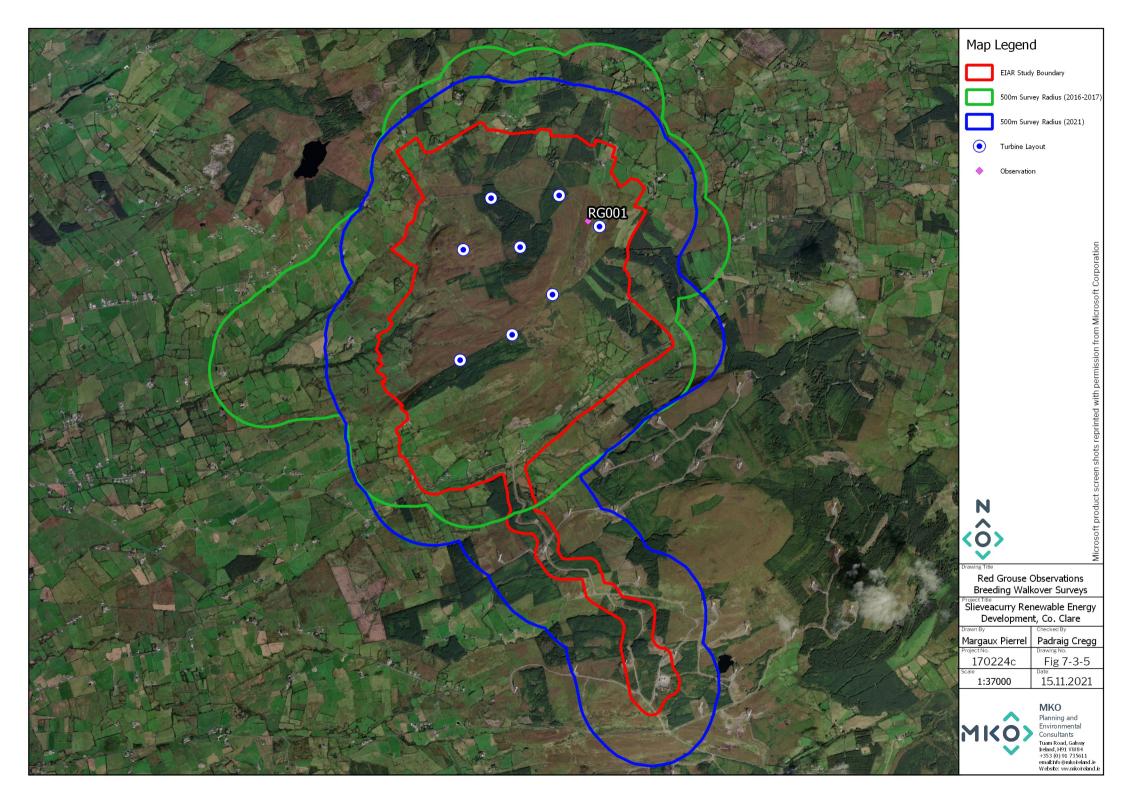






Table 1-23 Woodcock Breeding Bird Survey Data

	Breeding Bird Survey											
Map Ref.	Survey Date	Time of observation	Species	Number of birds	Sex/age	Habitat and Activity	Comments	Surveyor				
WK001	24/04/2016	10:10:00	Woodcock	1	Adult	PB2, (Upland blanket bog) WD4, (Conifer plantation) 1 Bird disturbed into flight, near patch of scrub and forestry	ON	TK				

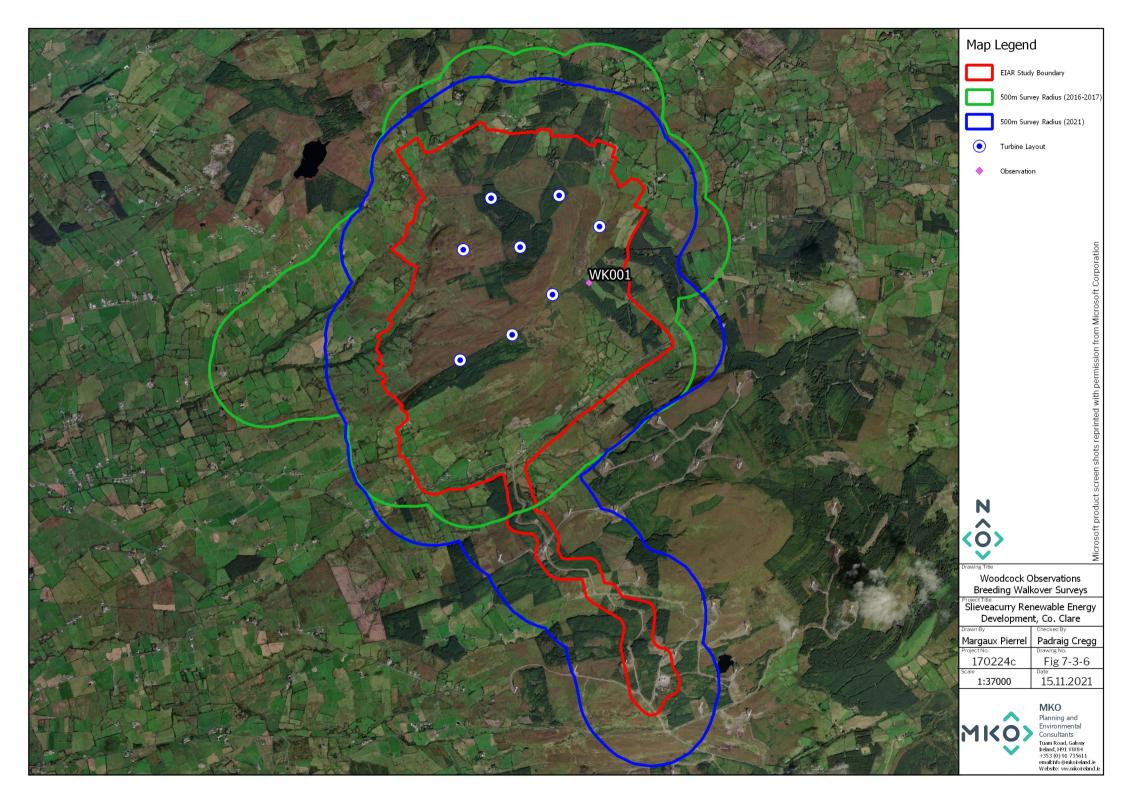




Table 1-24 Buzzard Vantage Point Survey Data

	Vantage Point Survey											
Map Ref.	Date	VP	Species	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Surveyor
BZ001	06/05/2016	1	Buzzard	1	16:05:00	300				300	Upland Blanket bog and rough grassland Soaring high above ground in a circle. Observed until out of sight. Off site	TK

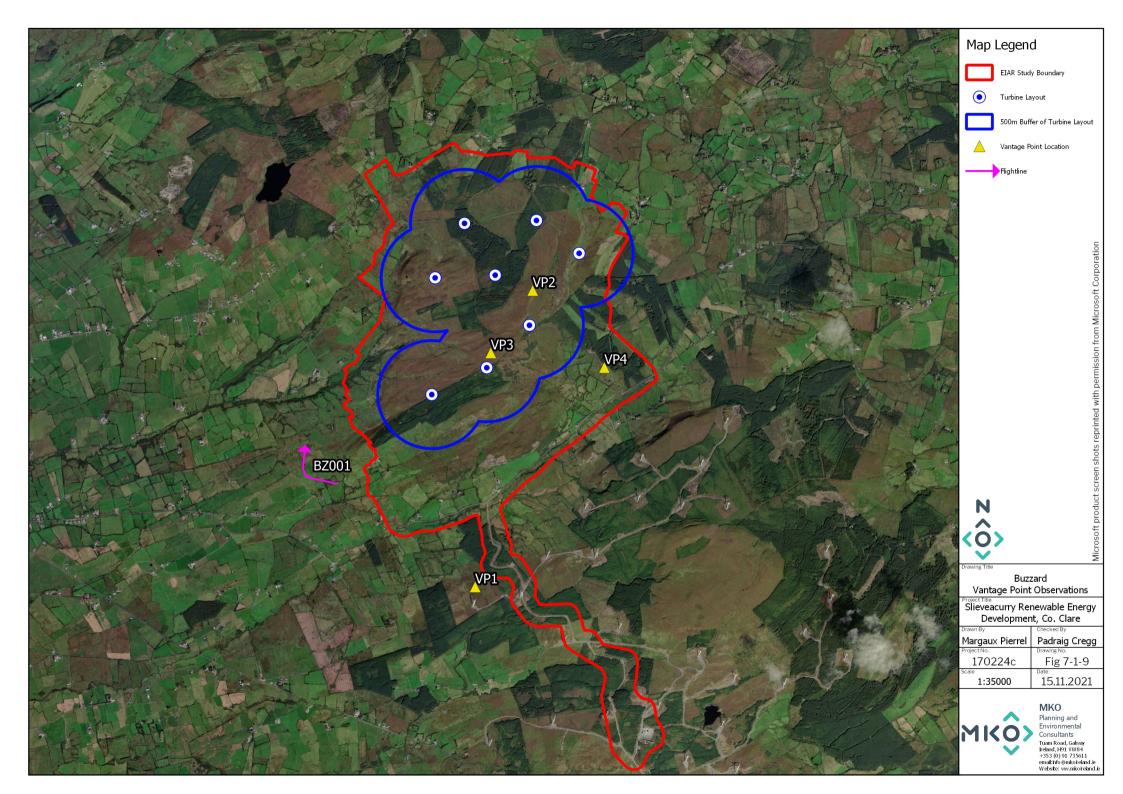




Table 1-25 Sparrowhawk Vantage Point Survey Data

						V	antage P	oint Surve	y			
Map Ref.	Date	VP	Species	No. of Birds	Time of flight	Duration of flight (s)	Band 1 (0-10m)	Band 2 (10-25m)	Band 3 PCH (25-175m)	Band 4 (>175m)	Notes on habitat and activity	Surveyor
SH001	15/02/2017	1	Sparrowhawk	1	10:20	120		120			PB2, (Upland blanket bog) WD4, (Conifer plantation) Soaring	TK
SH002	03/08/2017	1	Sparrowhawk	1	10:31	104	48	56			GS2, (Dry meadows and grassy verges) WD4, (Conifer plantation) Hunting	JK
SH003	06/09/2017	1	Sparrowhawk	1	14:35	155		85	70		WD4, (Conifer plantation) Hunting	JK
SH004	06/12/2017	VP1	Sparrowhawk	1	09:25	15	15				PB2, (Upland blanket bog) WD4, (Conifer plantation) In flight,	TK
SH005	23/01/2018	VP3	Sparrowhawk	1	14:20	20	20				PB2, (Upland blanket bog) WD4, (Conifer plantation) In flight	TK
SH006	25/11/2020	1	Sparrowhawk	1	12:41	20	20	0	0	0	Female Sparrowhawk in flight low to ground along hedgerows/scrub.	TK
SH007	26/11/2020	2	Sparrowhawk	1	06:14	35	5	30	0	0	Sparrowhawk in flight over bog and conifer forestry, being mobbed by hooded crow.	TK
SH008	11/06/2021	3	Sparrowhawk	1	17:19	10	0	10	0	0	sparrowhawk male flying fast from woods over slope	SOB
SH009	11/06/2021	3	Sparrowhawk	1	17:58	10	0	33	0	0	sparrowhawk flying fast over hills heading in direction of forestry	SOB
SH010	19/08/2021	3	Sparrowhawk	1	16:45	361	0	120	191	50	conifer plantation, upland blanket bog and scrub; territorial fighting, gliding, female slightly bigger than kestrel. swooping and lunging at kestrel over forest. then kestrel flew off, sh started gliding very high and flew behind vp. descending near forestry.	SOB
SH011	07/09/2021	1	Sparrowhawk	1	19:01	10	10	0	0	0	treelines, hedgerows and wet grassland; flight, female sparrowhawk flew onto spruce tree in hedgerow	SOB
SH012	07/09/2021	4	Sparrowhawk	1	19:08	8	8	0	0	0	wet grassland and scrub; flight, sparrowhawk took off from spruce tree	SOB
SH013	07/09/2021	4	Sparrowhawk	1	19:08						Perched, preening. Female sparrowhawk perched on spruce tree preening	SOB

Table 1-26 Sparrowhawk Breeding Bird Survey Data

Breeding Bird Survey													
Map Reference	Date	Time	Species	Number of Birds	Activity/ behaviour	Habitat	Notes	Surveyor					



SH00	24/06/2021	14:28	SH	1	Alarmed Flying	conifer plantation and upland	Sparrowhawk seen perched on branch in	SOB
						blanket bog	bog field, then noticed me and flew into	
							forestry	

Table 1-27 Sparrowhawk Breeding Raptor Survey Data

	Breeding Raptor Survey											
Map Ref.	Date	Species Name	No. of Birds	Time of flight	Notes on habitat and activity	Comments	Surveyor					
SH001	27/04/2016	Sparrowhawk	1	13:00:00	WD4, (Conifer plantation) PB2, (Upland blanket bog) Male Sparrowhawk oberserved soaring high in sky, >17.5m. Possibly breeding in conifer plantation off site.		TK					
SH002	10/06/2016	Sparrowhawk	1	11:05:00	PB2, (Upland blanket bog) WD4, (Conifer plantation) Observed in hunting flight	OFF	TK					
SH003	30/04/2021	Sparrowhawk	1	14:22	conifer plantation, flies, carrying a mouse, to forestry and into the trees at the brow of the hill - likely to a nest, female		SD					
SH004	10/06/2021	Sparrowhawk	1	19:40	conifer plantation, flying, sparrowhawk flew for 15 secs at 15m height over young spruce plantation hen along path over hill. was seen after observations ended and when I was walking back.		SOB					
SH005	16/06/2021	Sparrowhawk	1	18:07	wet grassland, short rotation coppice and conifer plantation, flying perching, female sparrowhawk perched on rowan tree then flew off again lost sigh tbbehind patch of gorse (from hhvp2)		SOB					

Table 1-28 Sparrowhawk Winter Transect Survey Data

Winter Transect Survey											
Map Ref.	Survey Date	Time of observation	Species	Number of birds	Habitat and Activity	Comments	Surveyor				
SH001	08/02/2018		Sparrowhawk	1			JK				

