

# Appendix 11

## Bird Survey Data Part 2



Table 1: Breeding Wader Results (note this includes results from turbine locations subsequently dropped during the iterative design review process)

Site Name	Survey Type	Observer	Species	Number	Bird Notes
Ballynakill	Breeding Wader	CH	Snipe_SN	6	birds only three heard/seen drumming
Cloncumber	Breeding wader	CH	Lapwing_L.	2	Not possible to confirm nesting. Birds there in May and June exhibiting very agitated behaviour and circling while observer in area
Cloncumber	Breeding wader	CH	Woodcock_WK	1	
Cloncumber	Breeding wader	CH	Snipe_SN	1	
Derrybrennan	Breeding Wader	CH	Lapwing_L.	10	not possible to count number of chicks
Derrybrennan	Breeding wader	CH	Woodcock_WK	1	
Derrybrennan	Breeding wader	CH	Snipe_SN	1	
Derrybrennan	Breeding wader	CCR	Snipe_SN	4	4 BIRD DRUMMING; UP TO FOUR ot'S
Derrybrennan	Breeding wader	CCR	Woodcock_WK	1	2 roding; up to 2 occupied territories
Derrybrennan	Breeding wader	CCR	Woodcock_WK	1	1 roding
Derrybrennan	Breeding wader	CCR	Woodcock_WK	3	3 RODING; UP TO 3 TERRITORIES
Derrybrennan	Breeding wader	CCR	Woodcock_WK	2	2 RODING; UP TO 2 OCCUPIED TERRITORIES
Derrybrennan	Breeding wader	CCR	Snipe	3	3 birds drumming
Derrybrennan	Breeding wader	CCR	Snipe	3	3 drumming same location as April near VP
Derrybrennan	Breeding wader	CCR	Woodcock	4	4 roding over trackway at Grid reference
Derrybrennan	Breeding wader	CCR	Lapwing_L	2	MALE AND FEMALE; BREEDING CONFIRMED
Derrybrennan	Breeding wader	CCR	Lapwing_L	1	1 displaying over field; occupied territory
Derrybrennan	Breeding wader	CCR	Snipe_SN	1	1 Flushed and chipping
Derrybrennan	Breeding wader	CCR	Lapwing_L	2	Male alarming and female in air same location as May; no birds visible at T8 vicinity
Derrybrennan	Breeding wader	CCR	Snipe_SN	1	drumming or chipping bird
Derrybrennan	Breeding wader	CCR	Snipe_SN	1	drumming or chipping bird
Derrybrennan	Breeding wader	CCR	Snipe_SN	6	UP TO 6 BIRDS IN AIR
Derrybrennan	Breeding wader	CCR	Snipe_SN	1	drumming or chipping bird
Derrybrennan	Breeding wader	CCR	Woodcock_WK	1	RODING BIRDS
Derrybrennan	Breeding wader	CCR	Woodcock_WK	2	RODING BIRDS
Derrybrennan	Breeding wader	CCR	Woodcock_WK	1	RODING BIRDS
Drehid	Breeding wader	CH	Snipe_SN	1	
Drehid	Breeding wader	CH	Woodcock_WK	1	
Drehid	Breeding wader	CH	Snipe_SN	1	Possible breeder, flying no drumming
Drehid	Breeding wader	CH	Snipe_SN	2	
Drehid	Breeding wader	CH	Woodcock_WK	1	
Drehid	Breeding wader	CB	Snipe_SN	1	One drumming; 2014 visits to cover envelope changes
Hortland	Breeding wader	BP	Snipe_SN	1	Chipping
Hortland	Breeding wader	BP	Woodcock_WK	1	Roding and flushed 27/04/2013
Hortland	Breeding wader	BP	Snipe_SN	1	Chipping
Hortland	Breeding wader	BP	Woodcock_WK	1	Roding
Hortland	Breeding wader	BP	Woodcock_WK	2	Roding
Hortland	Breeding wader	BP	Snipe_SN	2	Drumming both visits
Hortland	Breeding wader	BP	Snipe_SN	1	Chipping
Hortland	Breeding wader	BP	Woodcock_WK	1	Roding
Windmill	Breeding wader	CH	Woodcock_WK	1	
Windmill	Breeding wader	CH	Woodcock_WK	1	

Table 2: Merlin Survey Results

Site Name	Survey Type	Date	Observer	Rain	Cloud	Visibility	Wind	Start Time	End Time	Additional Species	Number	Sighting/ Structure/Sighting Grid Reference	sign/ evidence type	No. Of prey items	Age of prey/ evidence	Bird Notes
Windmill	Merlin_1	06/05/2013	CH	1	2	1	1	09.00	12.30			67840/36820	P	1	<3weeks	barn owl pellet
Windmill	Merlin_1	06/05/2013	CH	1	2	1	1	09.00	12.30			67840/36820	P	2	<3weeks	2 kestrel pellets and Kestrel observed
Windmill	Merlin_1	06/05/2013	CH	1	2	1	1	09.00	12.30			67840/36820		2	<3weeks	2 kestrel feathers
Windmill	Merlin_1	06/05/2013	CH	1	2	1	1	09.00	12.30			67763/36655	PL	8	<3weeks	fluffy white feathers in Birch tree
Windmill	Merlin_1	06/05/2013	CH	1	2	1	1	09.00	12.30			68052/37043	PL	1	<3weeks	pellet on bog along margin with cutaway bog, Buzzard observed.
Windmill	Merlin_1	06/05/2013	CH	1	2	1	1	09.00	12.30			67980/36980	W	1	<3weeks	barn owl white wash under marking post
Windmill	Merlin_1	06/05/2013	CH	1	2	1	1	09.00	12.30			68635/36882	P	1	<3weeks	barn owl pellet under fence post
Windmill	Merlin_2	04/06/2013	CH	1	1	1	1	08.50	12.00							no pellets or plucked items at any of previous locations or elsewhere in square,
Windmill	Merlin_2	04/06/2013	CH	1	1	1	1	08.50	12.00	Cuckoo_CK	2					flying W to E across ML sq
Windmill	Merlin_3	15/08/2013	CH	1	1	1	1	08.30	11.00							no signs recorded
Drehid	Merlin_1	07/05/2013	CH	1	3	1	1	10.00	13.30			74981/36105	P	1	>3weeks	possibly K. Pellet. Parts of square impenetrable bog woodland.
Drehid	Merlin_1	07/05/2013	CH	1	3	1	1	10.00	13.30	Snipe_SN	1	75452/36105				
Drehid	Merlin_1	07/05/2013	CH	1	3	1	1	10.00	13.30	Mallard_MA	1	75619/35533				
Drehid	Merlin_2	07/06/2013	CH	1	1	1	1	09.40	12.40							no signs recorded
Drehid	Merlin_3	09/08/2013	CH	1	1	1	1	09.45	13.30			675323/736879	PI	15	<3weeks	Passerine feathers found under a birch tree along ditch
Drehid	Merlin_3	09/08/2013	CH	1	1	1	1	09.45	13.30	Jay_J.	2					pair in forestry between T3 and T2
Hortland	Merlin_1	11/04/2013	BP	Light	F2	Moderate	8	15.00	19.15	Merlin_ML		N79372 35481	Pellets, Plucked item	2	>/<3weeks	frog, bird
Hortland	Merlin_1	11/04/2013	BP	Light	F2	Moderate	8	15.00	19.15	Merlin_ML		N79356 35500	Pellets, Plucked item	1	<3weeks	frog
Hortland	Merlin_1	11/04/2013	BP	Light	F2	Moderate	8	15.00	19.15	Merlin_ML		N79347 35507	Plucked item	2	>/<3weeks	frog, bird
Hortland	Merlin_1	11/04/2013	BP	Light	F2	Moderate	8	15.00	19.15	Merlin_ML		N79200 35164	Plucked item	1	<3weeks	frog
Hortland	Merlin_1	11/04/2013	BP	Light	F2	Moderate	8	15.00	19.15	Hen Harrier_HH	1					male, hunting/flying. Mobbed by hooded crows
Hortland	Merlin_1	11/04/2013	BP	Light	F2	Moderate	8	15.00	19.15	Buzzard_Bz	1					
Hortland	Merlin_1	11/04/2013	BP	Light	F2	Moderate	8	15.00	19.15	Kestrel_K.	2					male and female
Hortland	Merlin_2	04/06/2013	BP	Dry	1	Good	F1	09.45	12.50	Merlin_ML		N79369 35482	Plucked item	1	<3weeks	bird
Hortland	Merlin_2	04/06/2013	BP	Dry	1	Good	F1	09.45	12.50	Merlin_ML		N79364 35493	Pellets		>3weeks	
Hortland	Merlin_2	04/06/2013	BP	Dry	1	Good	F1	09.45	12.50	Merlin_ML		N79356 35501	Plucked item		>3weeks	
Hortland	Merlin_2	04/06/2013	BP	Dry	1	Good	F1	09.45	12.50	Merlin_ML		N79352 35508	Plucked item	2	<3weeks	bird and mammal
Hortland	Merlin_2	04/06/2013	BP	Dry	1	Good	F1	09.45	12.50	Merlin_ML		N78882 35407	Plucked item, pellets	1	>3weeks	feather
Hortland	Merlin_2	04/06/2013	BP	Dry	1	Good	F1	09.45	12.50	Merlin_ML		N79202 35168	Moth Wings	1	previous season	dragon fly wings

Site Name	Survey Type	Date	Observer	Rain	Cloud	Visibility	Wind	Start Time	End Time	Additional Species	Number	Sighting/ Structure/Sighting Grid Reference	sign/ evidence type	No. Of prey items	Age of prey/ evidence	Bird Notes
Hortland	Merlin_3	10/07/2013	BP	Dry	0	Good	F1	08.45	11.00	Invertebrate	2	N7928 3567				
Hortland	Merlin_2	24/05/2013	BP							Buzzard_Bz	2	N801 362				Possible nest at N801 362 birds observed perched and flying; same location in April.

Table 3: Barn Owl Survey Results

Site Name	Survey Type	Date	Observer	Sighting/ Structure/Sighting Grid Reference	Suitability	Nesting Opp	Active	Other Species	Bird Notes
Ballynakill	Barn Owl	03/09/2013	CH	675944 742445	1	8	1		Abandoned cottage tin roof, no glass in windows
Ballynakill	Barn Owl	03/09/2013	CH	675959 743151	2	2	1		abandoned farm building. Access but limited nesting opportunity. No signs
Ballynakill	Barn Owl	03/09/2013	CH	673406 744006	2	1	1	JD	Abandoned cottage chimney inhabited by JD
Ballynakill	Barn Owl	03/09/2013	CH	673663 745371	2	0	2		2 storey old brick building with slate roof. Door locked. Holes in slate roof
Ballynakill	Barn Owl	03/09/2013	CH	674094 746139	2	2	2		old stables with slate roof well sealed. Limited access.
Ballynakill	Barn Owl	03/09/2013	CH	676088 745525	1	8	1		Old farm building, tin roof, limited nesting opportunity
Ballynakill	Barn Owl	03/09/2013	CH	675723 741934	2	0	1		abandoned bungalow at entrance to estate. Slate roof partially collapsed. Chimney completely covered in ivy
Ballynakill	Barn Owl	03/09/2013	CH	675596 741622	2		2		castle ruin. In good condition. Access not possible. Difficult to say what nesting potential. At least two floors. Owner said she had owls in another farm shed but no signs.
Ballynakill	Barn Owl	03/09/2013	CH	675495 741993	2	1	1		abandoned cottage with chimney
Ballynakill	Barn Owl	03/09/2013	CH	674876 742133	2	1	1		abandoned cottage with chimney. No signs of BO, JD using chimney
Cloncumber	Barn Owl	12/09/2013	CH	675250 724254	2	0	1		Castle with two floors, 1 missing. Ledges at windows cracked and used by nesting JDs. Type of chimney flue but is unblocked. No signs inside or outside. Top floor unsafe to enter.
Cloncumber	Barn Owl	12/09/2013	CH	675228 724254	2	2	1		2 storey farm building with slate roof. Top floor clean and roof has rafters. No signs on floor up or down stairs.
Cloncumber	Barn Owl	12/09/2013	CH	675212 742293	1	8	1		stables: could be used for roosting but not nesting. No signs found
Cloncumber	Barn Owl	12/09/2013	CH	674562 723884	2	1	2		old buildings alongside the lock on the canal. Appears to have chimney covered in ivy. Doors and windows locked. No signs outside.
Cloncumber	Barn Owl	12/09/2013	CH	674490 723770	2	1	2		Abandoned cottage in good condition and lived in up until recently. Outbuilding unsuitable.
Cloncumber	Barn Owl	12/09/2013	CH	673941 723478	2	1	2		abandoned cottage, small building with chimney. Building completely surrounded by brambles and nettles. Not possible to get in to building, close to canal.
Cloncumber	Barn Owl	12/09/2013	CH	673435 721891	2	2	1		High shed with slate roof, front door missing, no signs.
Cloncumber	Barn Owl	12/09/2013	CH	673428 721865	2	1	1		Abandoned cottage with 2 chimneys which did not appear to be blocked. No signs inside or outside, surrounded by woodland.
Cloncumber	Barn Owl	12/09/2013	CH	670711 721507	0	2	1		Farm building. Appears suitable but doors and window well sealed and here doesn't seem to be any other access points
Cloncumber	Barn Owl	12/09/2013	CH	670756 721500	2	3	1		Hayshed-said they used to have BO years ago but it died. Hay bales present but no signs
Cloncumber	Barn Owl	12/09/2013	CH	670595 721535	2	1	2		abandoned house by lock on canal, access via chimneys. Not possible to get inside. No signs outside.
Cloncumber	Barn Owl	12/09/2013	CH	670818 724174	2	1	1		Abandoned ruin of cottage, no signs.
Cloncumber	Barn Owl	12/09/2013	CH	674067 726407	2	1	1		Abandoned cottage, no signs outside
Drehid	Barn Owl	05/09/2013	CH	671012 735343	0	8	1		ardkill castle ruin: only wall remaining
Drehid	Barn Owl	05/09/2013	CH	672026 734022	3	0	2		abandoned cottage, 3 chimneys with fire places. Not possible to say if blocked multiple swallow nests. Adjoining farm buildings, 1 with potential also. No pellets or whitewash found.
Drehid	Barn Owl	05/09/2013	CH	672642 736620	1	8	1		old stone bungalow, roof collapsed. No chimney, spoke to owner, no sightings.

Site Name	Survey Type	Date	Observer	Sighting/ Structure/Sighting Grid Reference	Suitability	Nesting Opp	Active	Other Species	Bird Notes
Drehid	Barn Owl	05/09/2013	CH	672806 736713	2	0	2		old bungalow used as stables, 1 chimney, 2 fireplaces, blocked with sticks, wire mesh covering windows. Roof partially collapsed at one side. Roof space. No pellets or whitewash in or outside.
Drehid	Barn Owl	05/09/2013	CH	673266 736951	2	1	2		bungalow on main road, 1 chimney. Door and windows locked, chimney is only access, no signs outside house
Drehid	Barn Owl	05/09/2013	CH	675156 737427	2	2	1		thatched stables, new roof with wooden rafters, suitable roof spaces but access may be limited if all doors shut. No signs.
Drehid	Barn Owl	05/09/2013	CH	675707 738394	2	1	1		Ruined cottage with chimney and corrugated roof, chimney intact with fireplace. Checked fence posts surrounding house, no signs.
Drehid	Barn Owl	05/09/2013	CH	677562 738375	1	8	1		Dunferth church. 16 century church. No roof, small crypt beside with access. Roof brick, no nest locations, no signs in graveyard.
Drehid	Barn Owl	05/09/2013	CH	677109 736700	3	0	2		abandoned cottage-gate lodge on estate. Partly collapsed, chimney intact. Blocked with sticks and dead JD, no pellets or white wash.
Drehid	Barn Owl	05/09/2013	CH	677077 736552	0	2	1		farm with old stone buildings. Most with new roof and windows. Limited access, no chimneys.
Hortland	Barn Owl	12/08/2013	BP	N82058/33974	1		1		stone and iron barns, unused, no chimneys
Hortland	Barn Owl	12/08/2013	BP	N80901/34588	2	1		JD	tiny cottage used as shed
Hortland	Barn Owl	12/08/2013	BP	N78992/34564	2	1,5	1	JD	abandoned cottage as cow shed, checked trees adjacent
Hortland	Barn Owl	12/08/2013	BP	N79512/34435					derelict cottages and barn
Hortland	Barn Owl	12/08/2013	BP	N79444/34447	2	5,2	1	JD	derelict cottage, chimneys blocked, no white wash
Hortland	Barn Owl	12/08/2013	BP	N77118/36536	3	1,5	1	JD	period farm, courtyard buildings, several stone sheds
Hortland	Barn Owl	12/08/2013	BP	N78713/36753	2	1	1	JD	abandoned cottage, sheds and barns
Hortland	Barn Owl	12/08/2013	BP	N78521/36898	1		1		barns, refurbished
Hortland	Barn Owl	12/08/2013	BP	N784/368	1		1		stone barn, no access
Hortland	Barn Owl	12/08/2013	BP	N79240/38185	3	0	1	JD	ruined period house mainly chimneys and some wall cavities
Hortland	Barn Owl	12/08/2013	BP	N80777/37927	0				manor house/golf club, all in use
Hortland	Barn Owl	12/08/2013	BP	N80994/37677	2	6	1		avenue trees, mainly lime
Hortland	Barn Owl	12/08/2013	BP	N81031/36653	1		1		barns and sheds, old and newer fairly unused
Hortland	Barn Owl	12/08/2013	BP	N81580/36837	3	1,3,5	1	JD	period house courtyard with abandoned sheds and stables of stone
Hortland	Barn Owl	12/08/2013	BP	N81202/36731	2	6	1		period house grounds with lime and horse chestnut trees
Hortland	Barn Owl	12/08/2013	BP	N81140/36600	2	1	1		abandoned gate lodge, no access
Hortland	Barn Owl	12/08/2013	BP	N81550/36476	2	1,2	1	JD	abandoned cottage, adjacent to cereal fields
Hortland	Barn Owl	12/08/2013	BP	N81245/36250	2	2	1		farm house and out houses
Hortland	Barn Owl	12/08/2013	BP	N82113/35505	1		1		stone sheds
Hortland	Barn Owl	12/08/2013	BP	N82421/34817	2	2,5	1		period house, out buildings, several stables and sheds
Hortland	Barn Owl	12/08/2013	BP	N82480/34644	2	1,2,5	1	JD	abandoned farm with unused buildings, no chimneys.
Windmill	Barn Owl	21/08/2013	CH	668623 735107	3	0	1	JD	Carbury castle: All four walls reasonably intact, 3-4 large chimneys. One loosely blocked with sticks, others undetermined. Numerous suitable ledges and cavities. No significant whitewash on walls, no pellets. Search around castle found nothing
Windmill	Barn Owl	21/08/2013	CH	668627 735008	1	8	1	K	old church beside carbury castle. In grave yard, stone roof no beams or cavities. No whitewash on gravestones or church. K. pellets found on wall of graveyard.

Site Name	Survey Type	Date	Observer	Sighting/ Structure/Sighting Grid Reference	Suitability	Nesting Opp	Active	Other Species	Bird Notes
Windmill	Barn Owl	21/08/2013	CH						Potential BO pellets by 3 found on Carbury bog during ML survey. Also white feather.
Windmill	Barn Owl	21/08/2013	CH	666339 737106					Stately house with many outbuildings, security gates. No access.
Windmill	Barn Owl	21/08/2013	CH	667562 738667	2	1	2		old stable and cottage with chimney. Spoke to landowner, no sightings of BO. Yard very clean outside, owner didn't want us entering buildings
Windmill	Barn Owl	21/08/2013	CH	667176 738018	0	0	1		old barn but unlikely to be used as owner said it's closed at night. No obvious access points. Other old barn converted to flat, owner said no sightings of BO in a long time.
Windmill	Barn Owl	21/08/2013	CH	667200 738269	3	2	1		old barn, old slate roof, some slates missing. Gable end has large opening and window has no glass. Large JD nest. Perfect roosting perch along roof, no signs of BO. No whitewash or pellets
Windmill	Barn Owl	21/08/2013	CH	670471 737208	0	8	1		Mylerstown castle, only 1m high wall remains.
Windmill	Barn Owl	21/08/2013	CH	664023 736895	0	8	1		Carrick castle
Windmill	Barn Owl	21/08/2013	CH		0	8	1		ruin castle, only wall remaining

Table 4: CBS Surveys Dates and Times

Site Name	Survey Type	Date	Observer	Rain	Cloud	Visibility	Wind	Start Time	End Time
Ballinakill	CBS_E	01/05/2013	CH	1	2	1	1	06.30	09.00
Ballinakill	CBS_L	05/06/2013	CH	1	1	1	1	06.30	09.15
Cloncumber	CBS_E	10/05/2013	CH	3	3	1	1	06.40	08.20
Cloncumber	CBS_L	12/06/2013	CH	1	1	1	1	06.00	08.40
Derrybrennan	CBS_E	09/05/2013	CH	1	1	1	2	06.00	08.00
Derrybrennan	CBS_L	29/06/2013	CH	1	1	1	2	06.30	08.45
Drehid	CBS_E	07/05/2013	CH	1	3	1	1	05.30	07.30
Drehid	CBS_L	07/06/2013	CH	1	1	1	1	05.30	07.30
Drehid	CBS_E	07/05/2013	CH	1	3	1	1	08.00	09.30
Drehid	CBS_L	07/06/2013	CH	1	1	1	1	07.50	09.20
Hortland	CBS_E	12/04/2013	BP	1	3	2	1	07.12	09.03
Hortland	CBS_L	04/06/2013	BP	1	1	1	1	07.15	08.56
Windmill	CBS_E	06/05/2013	CH	1	2	1	1	05.30	08.45
Windmill	CBS_L	04/06/2013	CH	1	1	1	1	05.45	08.45