



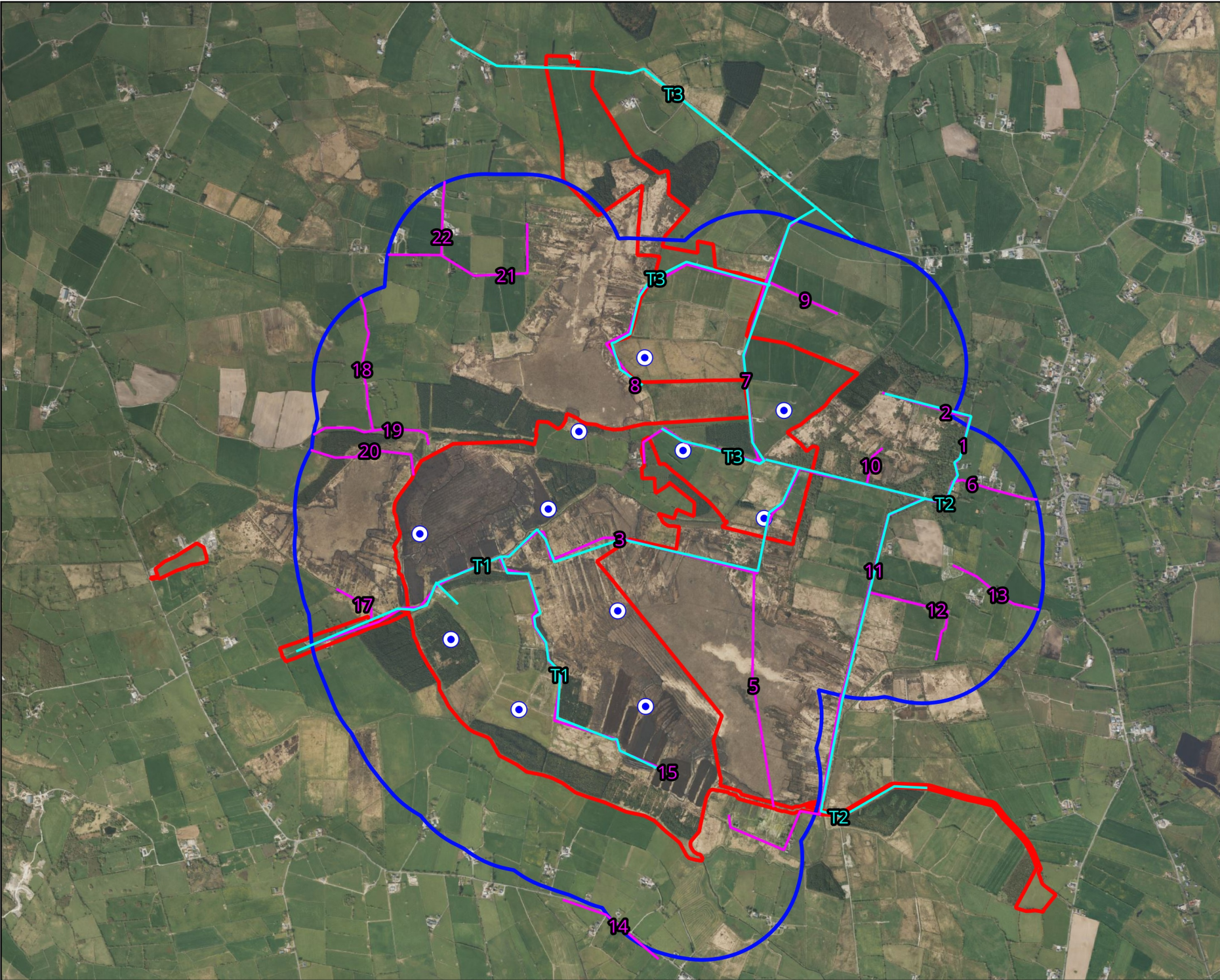
## APPENDIX 5

### ORNITHOLOGY TABLES & FIGURES






Table 1 Breeding Red Grouse Survey Effort

Date	Survey	Location	Duration	Weather Conditions	Comments	Surveyor
08/03/2018	Breeding Red Grouse Survey	1	0:35 starting at 07:46	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	2	0:32 starting at 08:35	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 0-33% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	3	0:23 starting at 09:45	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	4	0:41 starting at 10:16	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	5	0:39 starting at 11:18	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	6	0:10 starting at 12:22	Visibility: good; Wind speed and direction: gentle breeze S; Cloud cover and height: 66-100% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	7	0:31 starting at 13:02	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	8	0:45 starting at 13:42	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	9	0:59 starting at 15:10	Visibility: good; Wind speed and direction: light breeze S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
08/03/2018	Breeding Red Grouse Survey	10	0:36 starting at 16:21	Visibility: good; Wind speed and direction: light air S; Cloud cover and height: 33-66% >500m; Rain: none; Frost: none; Snow: none		JC
18/02/2019	Breeding Red Grouse Survey	10	0:45 starting at 13:25	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: light showers; Frost: none; Snow: none		CP
18/02/2019	Breeding Red Grouse Survey	6	0:20 starting at 14:25	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none		CP
18/02/2019	Breeding Red Grouse Survey	4	0:17 starting at 14:55	Visibility: good; Wind speed and direction: moderate breeze SW; Cloud cover and height: 33-66% 150-500m; Rain: none; Frost: none; Snow: none	Sunny intervals.	CP
22/02/2019	Breeding Red Grouse Survey	8	1:05 starting at 13:35	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CP
22/02/2019	Breeding Red Grouse Survey	7	0:30 starting at 15:10	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CP
22/02/2019	Breeding Red Grouse Survey	5	0:15 starting at 15:50	Visibility: good; Wind speed and direction: fresh breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Sunny intervals.	CP
24/02/2019	Breeding Red Grouse Survey	1	0:28 starting at 12:41	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CP
24/02/2019	Breeding Red Grouse Survey	2	0:29 starting at 13:15	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Sunny intervals.	CP
24/02/2019	Breeding Red Grouse Survey	3	0:30 starting at 13:49	Visibility: good; Wind speed and direction: gentle breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	Sunny intervals.	CP
24/02/2019	Breeding Red Grouse Survey	9	1:14 starting at 14:48	Visibility: good; Wind speed and direction: moderate breeze SE; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none		CP


Date	Survey	Location	Duration	Weather Conditions	Comments	Surveyor
23/02/2023	Breeding Red Grouse Survey	T1-T8	3:00 starting at 08:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: none; Frost: none; Snow: none	March survey brought forward into February	PDC
23/02/2023	Breeding Red Grouse Survey	T9-T10	1:30 starting at 11:30	Visibility: good; Wind speed and direction: moderate breeze W; Cloud cover and height: 66-100% 150-500m; Rain: light showers; Frost: none; Snow: none		PDC

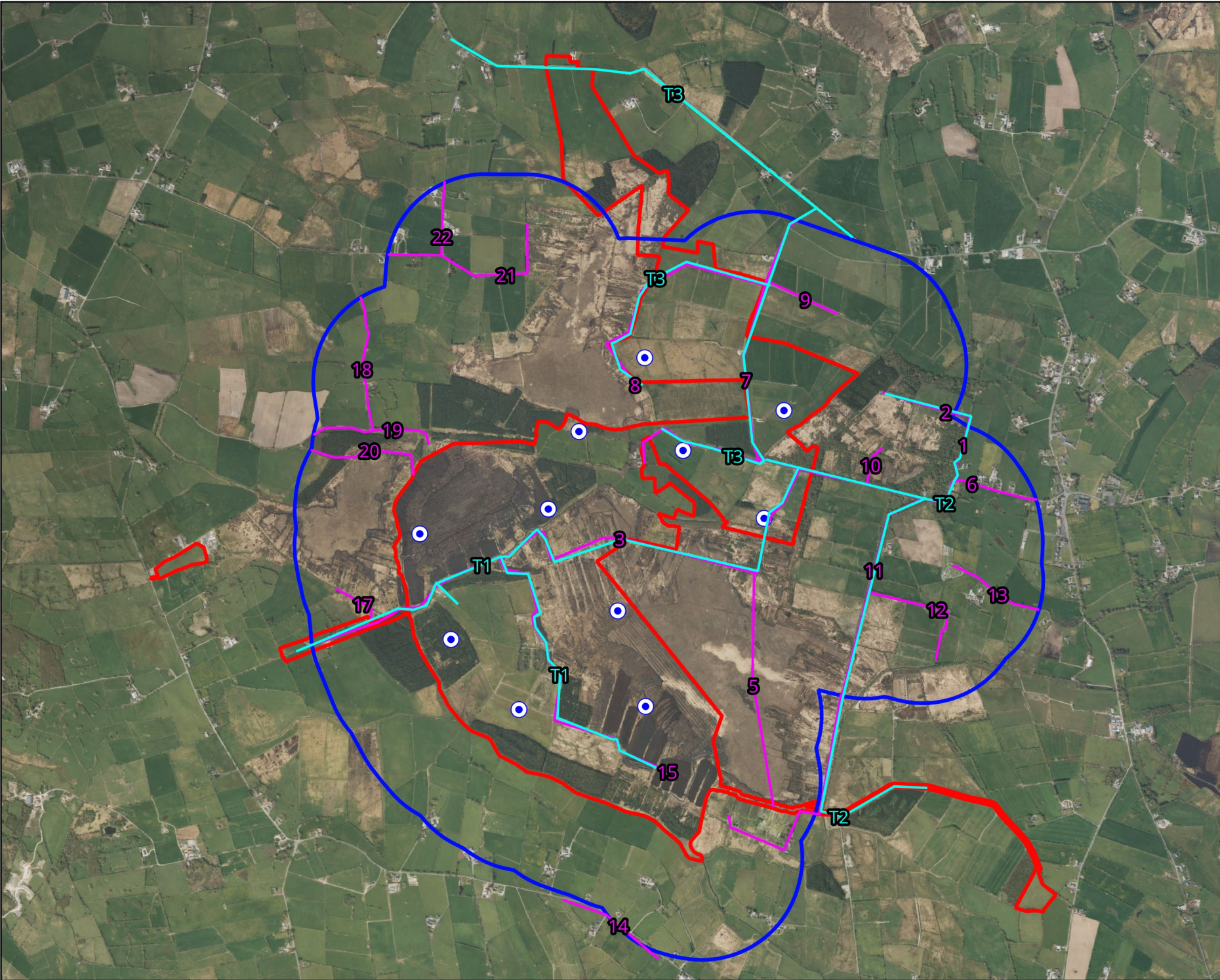


### Map Legend





-  EIA Site Boundary
-  Walkover Survey Area
-  Proposed Turbine Layout
-  Transects 2018/19
-  Transects 2023




Drawing Title	
Breeding Walkover Transects	
Project Title	
Clonberne Wind Farm	
Drawn By	Checked By
P. Manley	P. Cregg
Project No.	Drawing No.
180740	Fig. 7.3a
Scale	Date
1:25,000	31/07/2025
 <div>MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VV84 +353 (0) 91 735611 email: info@mkofireland.ie Website: ww.mkofireland.ie</div>	

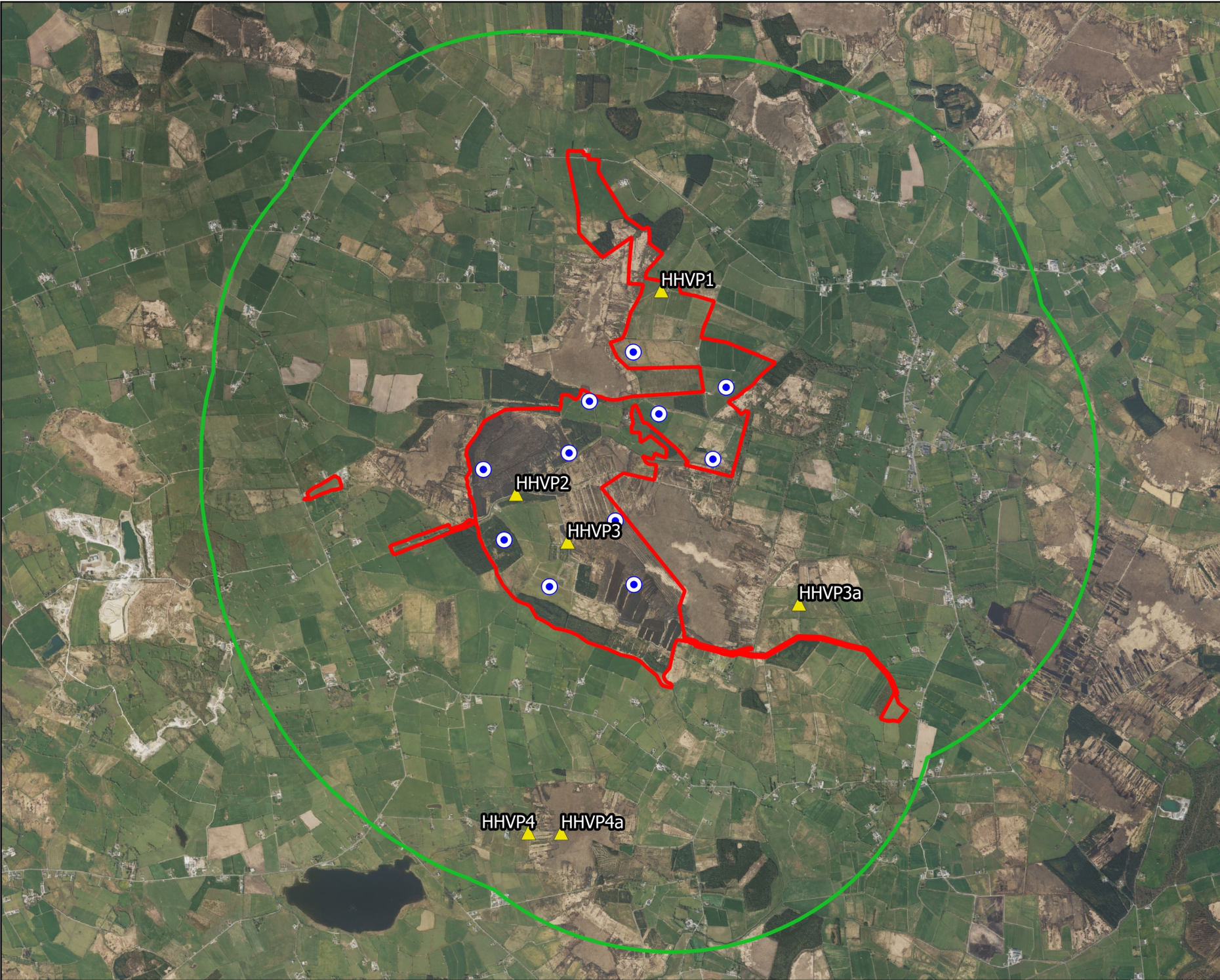


Map Legend





-  EIAR Site Boundary
-  Walkover Survey Area
-  Proposed Turbine Layout
-  Winter Walkover Transects




Drawing Title	
Winter Walkover Transects	
Project Title	
Clonberne Wind Farm	
Drawn By	Checked By
P. Manley	P. Cregg
Project No.	Drawing No.
180740	Fig. 7.5a
Scale	Date
1:25,000	31/07/2025
 MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VW84 +353 (0) 91 735611 email: info@mkofireland.ie Website: ww.mkofireland.ie	

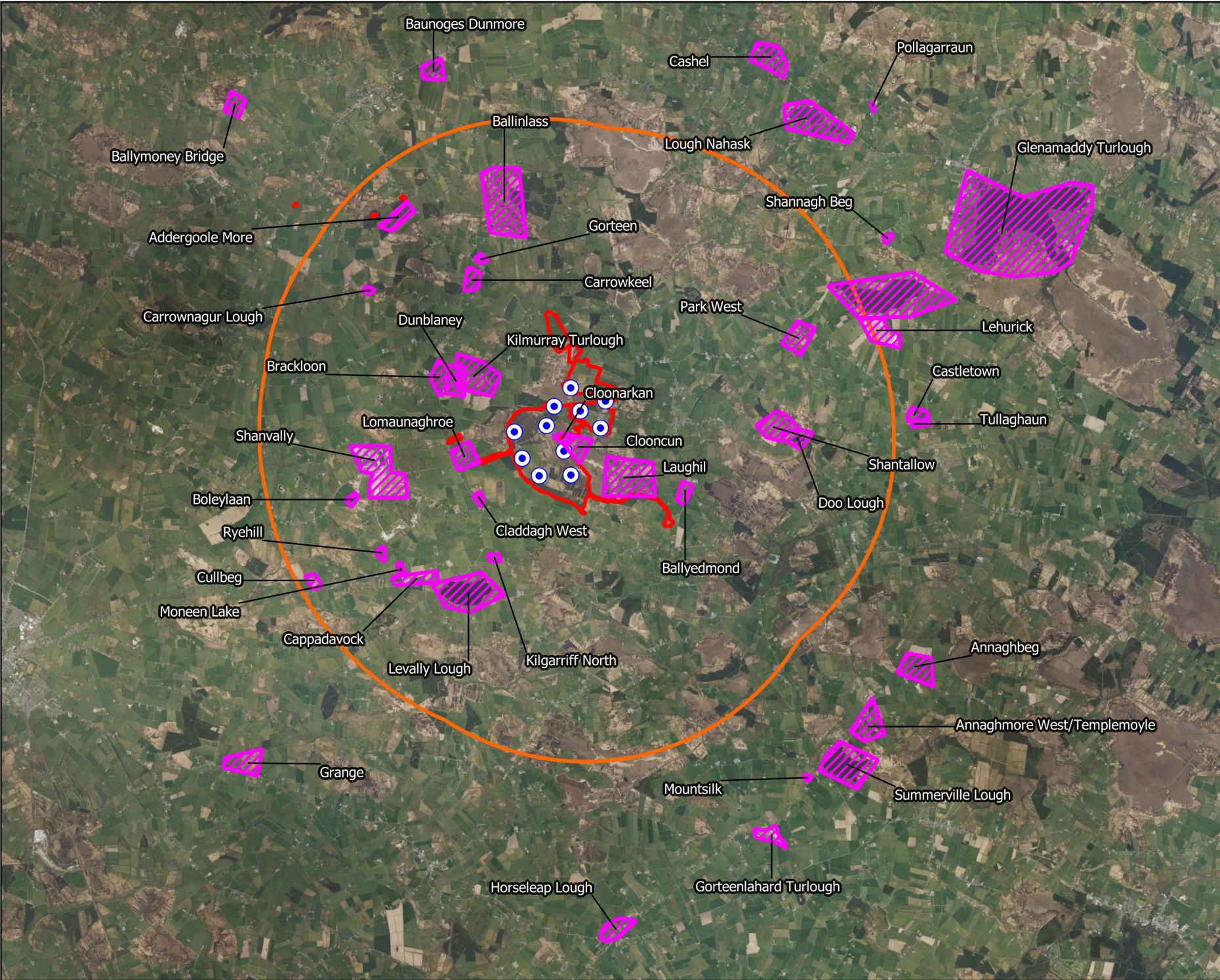


Map Legend


-  Eiar Site Boundary
-  2km Survey Area
-  Proposed Turbine Layout
-  Hen Harrier Roost Vantage Point Location




Drawing Title	
Hen Harrier Roost Survey Areas	
Project Title	
Clonberne Wind Farm	
Drawn By	Checked By
P. Manley	P. Cregg
Project No.	Drawing No.
180740	Fig. 7.6a
Scale	Date
1:37,500	31/07/2025
 <div>MKO Planning and Environmental Consultants Tuam Road, Galway Ireland, H91 VW84 +353 (0) 91 735611 email: info@mkofireland.ie Website: ww.mkofireland.ie</div>	



Map Legend

-  EIAR Site Boundary
-  5km Survey Radius
-  Proposed Turbine Layout
-  Survey Location



Drawing Title	
Wildfowl Distribution Survey Area	
Project Title	
Clonberne Wind Farm	
Drawn By	Checked By
P. Manley	P. Cregg
Project No.	Drawing No.
180740	Fig. 7.7a
Scale	Date
1:100,000	31/07/2025
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Map Legend

- EIAR Site Boundary
- Proposed Turbine Layout
- Connectivity Vantage Point Location
- Kilmurray Turlough



Drawing Title  
**Connectivity Vantage Point  
Survey Location**

Project Title  
**Clonberne Wind Farm**

Drawn By <b>P. Manley</b>	Checked By <b>P. Cregg</b>
Project No. <b>180740</b>	Drawing No. <b>Fig. 7.8a</b>
Scale <b>1:23,000</b>	Date <b>31/07/2025</b>



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