



## **APPENDIX 7-4**

***SURVEY DATA***



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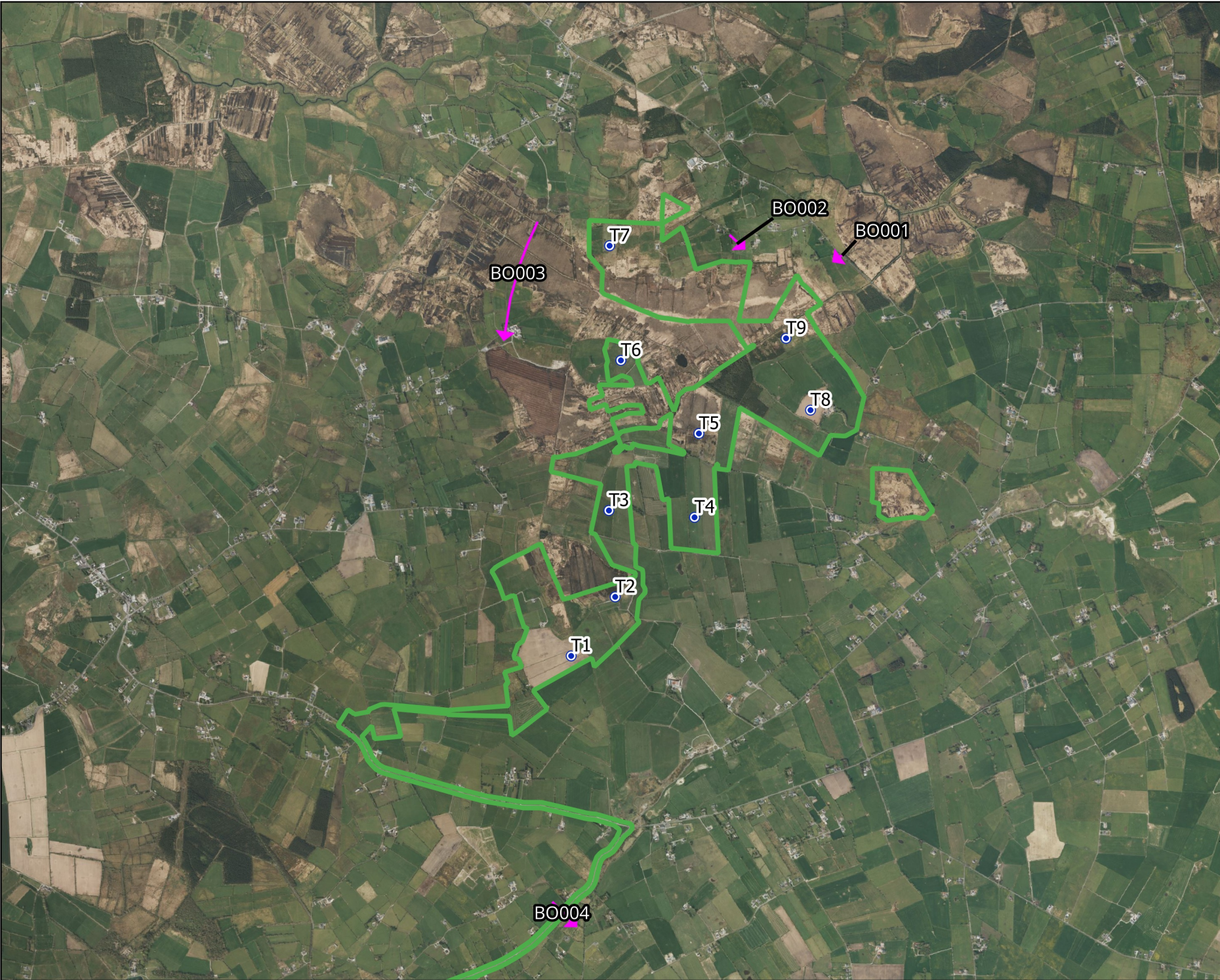
1.

## BARN OWL

Table 7 - 4 - 1 Barn owl incidental records

| Ref.  | Location                        | Date       | Time         | Species  | Number | Habitat and activity                                                                  | Surveyor |
|-------|---------------------------------|------------|--------------|----------|--------|---------------------------------------------------------------------------------------|----------|
| BO001 | Vantage Point Survey; VP3       | 21/05/2020 | not recorded | Barn Owl | 1      | habitat not recorded; flew over car on my way to vp                                   | MP       |
| BO002 | Vantage Point Survey; VP3       | 17/11/2023 | 07:06        | Barn Owl | 1      | linear woodland/scrub; flushed, on the way to the vp                                  | LDV      |
| BO003 | Vantage Point Survey; VP1       | 11/12/2023 | 12:15        | Barn Owl | 1      | bogs and improved grassland; travelling, was seen during first vp1, but data was lost | LDV      |
| BO004 | Vantage Point Survey; Danganbeg | 06/02/2025 | 18:38        | Barn Owl | 1      | improved agricultural grassland; travelling, crossed the road                         | LDV      |





- Map Legend
-  EIAR Site Boundary
  -  Turbine Locations
  -  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Barn Owl<br>Incidental Records                                                                                                                                                                                                                                                           |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-1   |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:35,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |



2.

## BUZZARD

Table 7 - 4 - 2 Buzzard winter walkover survey data

| Ref.  | Date       | Time  | Transect    | Species | Number | Habitat and activity                                                                                                                                                                                                            | Surveyor |
|-------|------------|-------|-------------|---------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| BZ001 | 11/10/2019 | 10:11 | 500M RADIUS | Buzzard | 1      | bogs; flying and calling over bog (wintering)                                                                                                                                                                                   | MP       |
| BZ002 | 11/10/2019 | 14:00 | 500M RADIUS | Buzzard | 1      | improved agricultural grassland; calling, flying (wintering)                                                                                                                                                                    | MP       |
| BZ003 | 16/01/2020 | 15:05 | 500M RADIUS | Buzzard | 2      | improved agricultural grassland; potential collision height, 90s, circling over grassland, flew south (wintering)                                                                                                               | MP       |
| BZ004 | 04/03/2020 | 12:07 | 500M RADIUS | Buzzard | 1      | lowland blanket bog, cutover bog and improved agricultural grassland; soaring, circling at potential collision height for 200s (wintering)                                                                                      | MP       |
| BZ005 | 04/03/2020 | 12:45 | 500M RADIUS | Buzzard | 1      | improved agricultural grassland; circling over grassland in the distance (wintering)                                                                                                                                            | MP       |
| BZ006 | 04/03/2020 | 13:35 | 500M RADIUS | Buzzard | 1      | improved agricultural grassland; soaring in the distance at potential collision height (wintering)                                                                                                                              | MP       |
| BZ007 | 04/03/2020 | 13:51 | 500M RADIUS | Buzzard | 1      | improved agricultural grassland; mobbed by 3 noisy herring gulls. buzzard flew off west over bog, herring gull flew back to east with rook. heard them calling further (possible ploughed grassland/feeding ground) (wintering) | MP       |
| BZ008 | 04/03/2020 | 16:02 | 500M RADIUS | Buzzard | 1      | improved agricultural grassland; sparrowhawk mobbing circling buzzard. after 2min of bullying, sparrowhawk flew off, buzzard continued circling (wintering)                                                                     | MP       |
| BZ009 | 14/01/2021 | 12:06 | 500M RADIUS | Buzzard | 1      | cutover bog; travelling (wintering)                                                                                                                                                                                             | JK       |
| BZ010 | 14/01/2021 | 12:10 | 500M RADIUS | Buzzard | 1      | cutover bog; travelling (wintering)                                                                                                                                                                                             | JK       |
| BZ011 | 14/01/2021 | 12:54 | 500M RADIUS | Buzzard | 1      | improved agricultural grassland; travelling (wintering)                                                                                                                                                                         | JK       |
| BZ012 | 02/03/2021 | 12:50 | 500M RADIUS | Buzzard | 1      | cutover bog and amenity grassland (improved); travelling, mobbed by hooded crows (wintering)                                                                                                                                    | JK       |
| BZ013 | 02/03/2021 | 13:55 | 500M RADIUS | Buzzard | 1      | amenity grassland (improved) and conifer plantation; hunting (wintering)                                                                                                                                                        | JK       |
| BZ014 | 03/03/2022 | 11:10 | 500M RADIUS | Buzzard | 2      | bogs and conifer plantation; soaring (wintering)                                                                                                                                                                                | ZE       |

| Ref.  | Date       | Time  | Transect    | Species | Number | Habitat and activity                                                    | Surveyor |
|-------|------------|-------|-------------|---------|--------|-------------------------------------------------------------------------|----------|
| BZ015 | 12/10/2023 | 10:45 | 500M RADIUS | Buzzard | 1      | improved grassland; flying (wintering)                                  | LDV      |
| BZ016 | 12/10/2023 | 13:47 | 500M RADIUS | Buzzard | 1      | improved grassland and bogs; travelling (wintering)                     | LDV      |
| BZ017 | 14/11/2023 | 10:47 | 500M RADIUS | Buzzard | 1      | improved grassland; travelling (wintering)                              | LDV      |
| BZ018 | 26/01/2024 | 11:33 | 500M RADIUS | Buzzard | 1      | improved grassland; travelling, mobbed, by hooded crow (wintering)      | LDV      |
| BZ019 | 07/03/2024 | 14:02 | 500M RADIUS | Buzzard | 1      | bogs and improved grassland; hunting, soaring (wintering)               | LDV      |
| BZ020 | 07/03/2024 | 14:03 | 500M RADIUS | Buzzard | 2      | bogs and improved grassland; soaring (wintering)                        | LDV      |
| BZ021 | 07/03/2024 | 14:05 | 500M RADIUS | Buzzard | 1      | conifer plantation and bogs; hunting (wintering)                        | LDV      |
| BZ022 | 07/03/2024 | 14:08 | 500M RADIUS | Buzzard | 1      | conifer plantation; soaring (wintering)                                 | LDV      |
| BZ023 | 04/10/2024 | 11:08 | T1          | Buzzard | 1      | improved grassland and hedgerows; travelling, flushed (wintering)       | LDV      |
| BZ024 | 01/11/2024 | 10:57 | T1          | Buzzard | 1      | hedgerows; perched (wintering)                                          | LDV      |
| BZ025 | 12/03/2025 | 13:20 | T1          | Buzzard | 1      | bogs and scrub/transitional woodland; mobbed by hooded crow (wintering) | LDV      |

Table 7 - 4 - 3 Buzzard breeding walkover survey data

| Ref.  | Date       | Time  | Transect    | Species | Number | Habitat and activity                                                                                                                          | Surveyor |
|-------|------------|-------|-------------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------|----------|
| BZ001 | 11/05/2020 | 12:15 | 500M RADIUS | Buzzard | 1      | cutover bog; hunting, low to ground (breeding status not recorded)                                                                            | JK       |
| BZ002 | 11/04/2024 | 10:10 | T1          | Buzzard | 1      | improved grassland and semi-natural woodland; travelling, perching (suitable nesting habitat; possible breeder)                               | LDV      |
| BZ003 | 11/04/2024 | 11:40 | T1          | Buzzard | 1      | bogs and semi-natural woodland; travelling, perched, mobbed, mobbed by hooded crow while perched (suitable nesting habitat; possible breeder) | LDV      |
| BZ004 | 11/04/2024 | 11:42 | T1          | Buzzard | 1      | bogs and conifer plantation; soaring (suitable nesting habitat; possible breeder)                                                             | LDV      |
| BZ005 | 11/04/2024 | 11:44 | T1          | Buzzard | 1      | bogs; travelling (suitable nesting habitat; possible breeder)                                                                                 | LDV      |



| Ref.  | Date       | Time  | Transect | Species | Number | Habitat and activity                                                                          | Surveyor |
|-------|------------|-------|----------|---------|--------|-----------------------------------------------------------------------------------------------|----------|
| BZ006 | 22/05/2024 | 11:30 | T1       | Buzzard | 2      | conifer plantation and improved grassland; soaring (pair; probable breeding)                  | LDV      |
| BZ007 | 18/06/2024 | 08:58 | T1       | Buzzard | 1      | bogs and conifer plantation; travelling, perched (suitable nesting habitat; possible breeder) | LDV      |
| BZ008 | 18/06/2024 | 09:19 | T1       | Buzzard | 1      | conifer plantation and bogs; flushed (suitable nesting habitat; possible breeder)             | LDV      |
| BZ009 | 18/06/2024 | 10:51 | T1       | Buzzard | 1      | bogs and improved grassland; travelling (suitable nesting habitat; possible breeder)          | LDV      |

Table 7 - 4 - 4 Buzzard incidental records

| Ref.  | Location                                                         | Date       | Time         | Species | Number | Habitat and activity                                                                                                                            | Surveyor |
|-------|------------------------------------------------------------------|------------|--------------|---------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| BZ001 | Waterbird Distribution and Abundance Survey; Cooloo East         | 27/09/2019 | not recorded | Buzzard | 1      | improved agricultural grassland and treelines; flying, mobbed by crows, landed in hawthorn                                                      | CD       |
| BZ002 | Waterbird Distribution and Abundance Survey; Cooloo East         | 27/09/2019 | not recorded | Buzzard | 1      | cutover bog; mobbed by rooks, flying                                                                                                            | CD       |
| BZ003 | Waterbird Distribution and Abundance Survey; Cooloo East         | 27/09/2019 | not recorded | Buzzard | 1      | cutover bog, conifer plantation and dystrophic lakes; flying and mobbed, landed in forestry                                                     | CD       |
| BZ004 | Hen Harrier Roost Survey; HHVP2                                  | 30/10/2019 | not recorded | Buzzard | 1      | habitat not recorded; seen at levally lough on ground ion field (alive).                                                                        | CD       |
| BZ005 | Hen Harrier Roost Survey; HHVP4                                  | 31/10/2019 | 15:57        | Buzzard | 1      | lowland blanket bog and improved agricultural grassland; very quick observation, when crossing the track                                        | MP       |
| BZ006 | Waterbird Distribution and Abundance Survey; Derrynacrick Loughs | 06/11/2019 | 10:30        | Buzzard | 1      | bogs and scattered tress and parkland; flying , spotted perched on tree, flew off on approach                                                   | MP       |
| BZ007 | Hen Harrier Roost Survey; HHVP4                                  | 07/11/2019 | 15:38        | Buzzard | 1      | bogs, scrub and improved agricultural grassland; soaring towards south at potential collision height                                            | MP       |
| BZ008 | Hen Harrier Roost Survey; HHVP3                                  | 13/11/2019 | 15:45        | Buzzard | 1      | lowland blanket bog; flying low height <10 over big to nw, then proceeded to chase off hooded crow at potential collision height. flew off west | MP       |

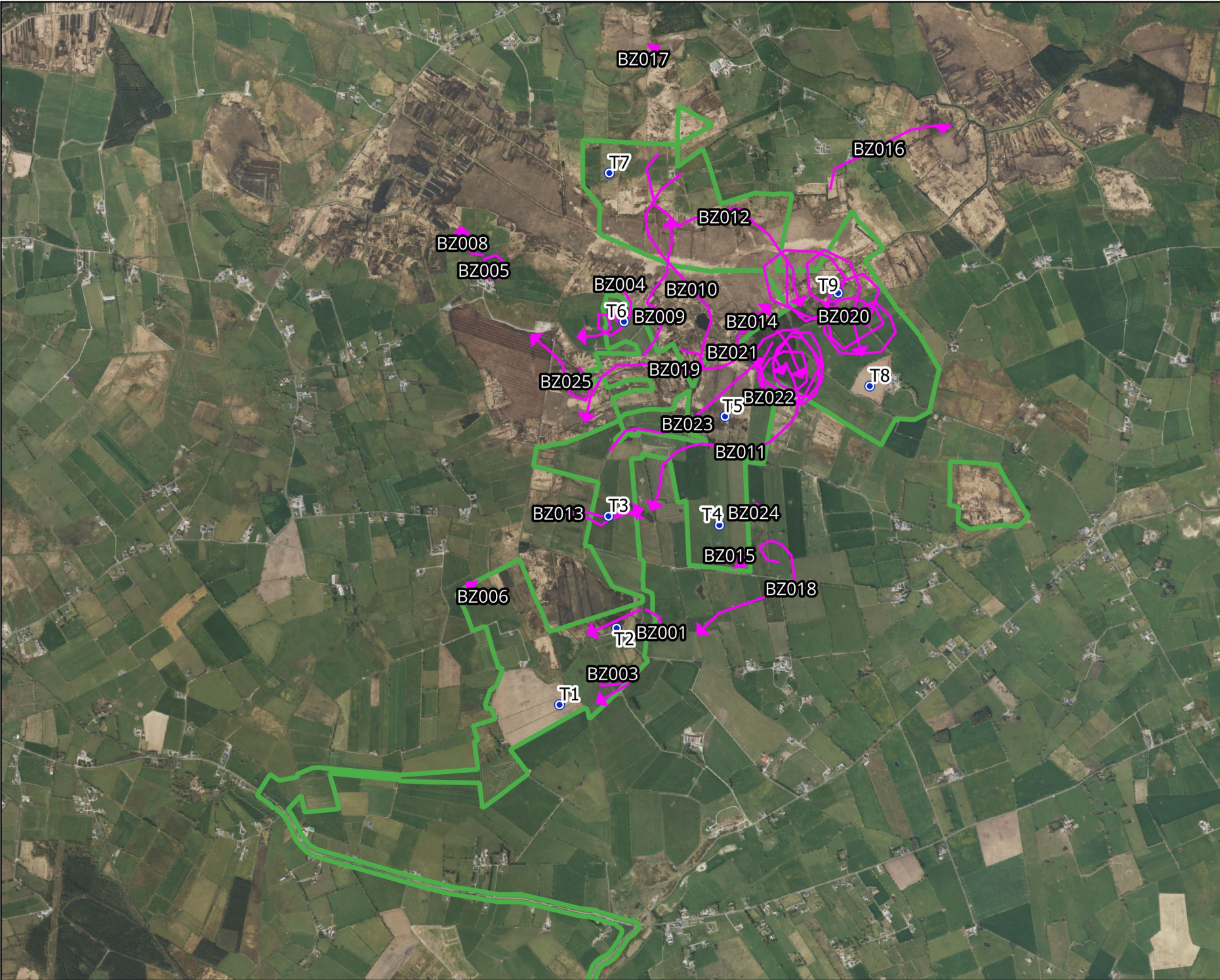
| Ref.  | Location                                                         | Date       | Time         | Species | Number | Habitat and activity                                                                                                                                       | Surveyor |
|-------|------------------------------------------------------------------|------------|--------------|---------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| BZ009 | Waterbird Distribution and Abundance Survey; Levally Lough       | 19/12/2019 | 14:00        | Buzzard | 1      | limestone/marl lakes and improved agricultural grassland; flying , perched, flew over grassland                                                            | MP       |
| BZ010 | Waterbird Distribution and Abundance Survey; Derrynacrick Loughs | 15/01/2020 | 11:30        | Buzzard | 1      | bogs and improved agricultural grassland; flying , flew over road to trees                                                                                 | MP       |
| BZ011 | Waterbird Distribution and Abundance Survey; Horseleap Lough     | 07/02/2020 | 11:15        | Buzzard | 1      | improved agricultural grassland and limestone/marl lakes; terrestrial , spotted perched on hedgerow. took off and soared over lough. mobbed by hooded crow | MP       |
| BZ012 | Hen Harrier Roost Survey; HHVP4                                  | 11/02/2020 | 16:05        | Buzzard | 2      | improved agricultural grassland and bogs; pair soaring in and out of patch of conifers, 5-6 times                                                          | MP       |
| BZ013 | Waterbird Distribution and Abundance Survey; Summerville Lough   | 11/05/2020 | not recorded | Buzzard | 2      | limestone/marl lakes; flying, pair soaring                                                                                                                 | JK       |
| BZ014 | Hen Harrier Roost Survey; HHVP1                                  | 08/12/2020 | not recorded | Buzzard | 1      | cutover bog and scrub; flying, dropped down                                                                                                                | PT       |
| BZ015 | Hen Harrier Roost Survey; HHVP3                                  | 20/12/2020 | 14:48        | Buzzard | 1      | improved agricultural grassland; hunting on ground, then perched in tree                                                                                   | PT       |
| BZ016 | Hen Harrier Roost Survey; HHVP3                                  | 20/12/2020 | 16:00        | Buzzard | 1      | treelines and cutover bog; flew to line of spruces                                                                                                         | PT       |
| BZ017 | Hen Harrier Roost Survey; HHVP3                                  | 20/12/2020 | 16:03        | Buzzard | 1      | improved agricultural grassland and cutover bog; flew to post on edge of field                                                                             | PT       |
| BZ018 | Hen Harrier Roost Survey; HHVP3                                  | 20/12/2020 | 16:09        | Buzzard | 2      | cutover bog and improved agricultural grassland; second bird joined first, 30 seconds in to flight                                                         | PT       |
| BZ019 | Hen Harrier Roost Survey; HHVP3                                  | 20/12/2020 | 16:18        | Buzzard | 3      | conifer plantation and improved agricultural grassland; initially one, joined by two more, all circling, then drifted west; one continued south south west | PT       |
| BZ020 | Hen Harrier Roost Survey; HHVP3                                  | 20/12/2020 | 16:51        | Buzzard | 1      | improved agricultural grassland, cutover bog and conifer plantation; flew from fence post, circled over bog                                                | PT       |
| BZ021 | Hen Harrier Roost Survey; HHVP4                                  | 22/12/2020 | 14:50        | Buzzard | 1      | improved agricultural grassland; perched on bush                                                                                                           | PT       |
| BZ022 | Hen Harrier Roost Survey; HHVP4                                  | 22/12/2020 | 15:19        | Buzzard | 1      | improved agricultural grassland and hedgerows; direct flight                                                                                               | PT       |

| Ref.  | Location                                                       | Date       | Time  | Species | Number | Habitat and activity                                                                                                | Surveyor |
|-------|----------------------------------------------------------------|------------|-------|---------|--------|---------------------------------------------------------------------------------------------------------------------|----------|
| BZ023 | Hen Harrier Roost Survey; HHVP3                                | 01/02/2021 | 16:01 | Buzzard | 2      | cutover bog; flying to roost, cutover bog                                                                           | JK       |
| BZ024 | Hen Harrier Roost Survey; HHVP2                                | 29/03/2021 | 18:40 | Buzzard | 1      | cutover bog; flying                                                                                                 | JK       |
| BZ025 | Hen Harrier Roost Survey; HHVP4                                | 28/02/2022 | 16:47 | Buzzard | 2      | conifer plantation; flying, displaying                                                                              | ZOC      |
| BZ026 | Hen Harrier Roost Survey; HHVP4                                | 28/02/2022 | 16:56 | Buzzard | 1      | conifer plantation and cutover bog; flying                                                                          | ZOC      |
| BZ027 | Waterbird Distribution and Abundance Survey; Summerville lough | 02/03/2022 | 10:43 | Buzzard | 1      | lakes and ponds, semi-natural woodland and conifer plantation; flying                                               | ZE       |
| BZ028 | Waterbird Distribution and Abundance Survey; Summerville Lough | 14/09/2023 | 12:30 | Buzzard | 3      | improved agricultural grassland; soaring, 2 birds soaring high, 3rd bird slightly lower, all calling                | ZOC      |
| BZ029 | Waterbird Distribution and Abundance Survey; Cooloo            | 19/10/2023 | 15:15 | Buzzard | 1      | linear woodland/scrub, bogs and improved grassland; flushed                                                         | LDV      |
| BZ030 | Waterbird Distribution and Abundance Survey; Derrynagran       | 01/11/2023 | 10:54 | Buzzard | 1      | bogs; hunting                                                                                                       | LDV      |
| BZ031 | Hen Harrier Roost Survey; HHVP4                                | 14/11/2023 | 15:46 | Buzzard | 1      | conifer plantation; travelling                                                                                      | LDV      |
| BZ032 | Hen Harrier Roost Survey; HHVP4                                | 14/11/2023 | 15:53 | Buzzard | 2      | improved grassland and semi-natural woodland; calling and attacking each other, multiple attacks close to the trees | LDV      |
| BZ033 | Hen Harrier Roost Survey; HHVP4                                | 14/11/2023 | 15:55 | Buzzard | 1      | scrub/transitional woodland and bogs; travelling, flew of from where 2 buzzards attacked eac hother                 | LDV      |
| BZ034 | Vantage Point Survey; VP3                                      | 17/11/2023 | 09:50 | Buzzard | 1      | improved grassland and linear woodland/scrub; calling, heard but not seen                                           | LDV      |
| BZ035 | Waterbird Distribution and Abundance Survey; Summerville lough | 21/11/2023 | 09:56 | Buzzard | 1      | lakes and ponds and semi-natural woodland; travelling                                                               | LDV      |
| BZ036 | Waterbird Distribution and Abundance Survey; Brierfield north  | 21/11/2023 | 10:43 | Buzzard | 2      | improved grassland; in a field, standing in a field, flushed by driving close to them                               | LDV      |

| Ref.  | Location                                                          | Date       | Time  | Species | Number | Habitat and activity                                                                                      | Surveyor |
|-------|-------------------------------------------------------------------|------------|-------|---------|--------|-----------------------------------------------------------------------------------------------------------|----------|
| BZ037 | Waterbird Distribution and Abundance Survey; Carrownabo turlough  | 19/12/2023 | 11:16 | Buzzard | 1      | improved grassland; travelling, was in field before flying off                                            | LDV      |
| BZ038 | Waterbird Distribution and Abundance Survey; Laughil              | 04/01/2024 | 13:30 | Buzzard | 2      | linear woodland/scrub and improved grassland; perched, flying                                             | LDV      |
| BZ039 | Hen Harrier Roost Survey; HHVP4a                                  | 08/01/2024 | 14:55 | Buzzard | 1      | improved grassland; flushed, was perched, flushed while driving to hhvp4                                  | LDV      |
| BZ040 | Hen Harrier Roost Survey; HHVP4a                                  | 08/01/2024 | 15:36 | Buzzard | 2      | improved grassland and bogs; flying, perched, flight between two perches                                  | LDV      |
| BZ041 | Hen Harrier Roost Survey; HHVP4a                                  | 08/01/2024 | 17:01 | Buzzard | 1      | semi-natural woodland; perched                                                                            | LDV      |
| BZ042 | Hen Harrier Roost Survey; HHVP3                                   | 25/01/2024 | 15:41 | Buzzard | 1      | bogs, conifer plantation and wet grassland; hunting, soaring                                              | CG       |
| BZ043 | Waterbird Distribution and Abundance Survey; Carrownabo turlough  | 07/02/2024 | 12:38 | Buzzard | 1      | improved grassland; walking, foraging, was on the ground                                                  | LDV      |
| BZ044 | Waterbird Distribution and Abundance Survey; Cooloo               | 01/03/2024 | 14:11 | Buzzard | 1      | improved grassland; hunting                                                                               | LDV      |
| BZ045 | Hen Harrier Roost Survey; HHVP2                                   | 07/03/2024 | 17:20 | Buzzard | 1      | bogs; hunting, soaring                                                                                    | LDV      |
| BZ046 | Waterbird Distribution and Abundance Survey; Ginnaun              | 15/03/2024 | 13:01 | Buzzard | 2      | conifer plantation; soaring                                                                               | LDV      |
| BZ047 | Waterbird Distribution and Abundance Survey; Summerville lough    | 15/03/2024 | 13:53 | Buzzard | 3      | scrub/transitional woodland and lakes and ponds; soaring, displaying                                      | LDV      |
| BZ048 | Waterbird Distribution and Abundance Survey; Horseleap lough      | 04/04/2024 | 10:21 | Buzzard | 1      | improved grassland and lakes and ponds; soaring                                                           | LDV      |
| BZ049 | Waterbird Distribution and Abundance Survey; Near horseleap lough | 04/04/2024 | 10:21 | Buzzard | 2      | conifer plantation and improved grassland; soaring                                                        | LDV      |
| BZ050 | Waterbird Distribution and Abundance Survey; Cloonkeen            | 18/04/2024 | 12:10 | Buzzard | 1      | improved agricultural grassland, depositing/lowland rivers and semi-natural woodland; travelling, perched | LDV      |

| Ref.  | Location                                                   | Date       | Time  | Species | Number | Habitat and activity                                                                                         | Surveyor |
|-------|------------------------------------------------------------|------------|-------|---------|--------|--------------------------------------------------------------------------------------------------------------|----------|
| BZ051 | Waterbird Distribution and Abundance Survey; Cloonboo      | 16/05/2024 | 11:33 | Buzzard | 2      | improved grassland and conifer plantation; soaring, calling, displaying, pair calling loudly, 500m from site | LDV      |
| BZ052 | Waterbird Distribution and Abundance Survey; Carrownabo    | 16/05/2024 | 12:34 | Buzzard | 1      | conifer plantation; soaring, calling, 3.5km from site                                                        | LDV      |
| BZ053 | Hen Harrier Roost Survey; HHVP4                            | 14/10/2024 | 17:06 | Buzzard | 1      | improved grassland and bogs; travelling, mobbed, mobbed by hooded crow                                       | LDV      |
| BZ054 | Waterbird Distribution and Abundance Survey; Danganbeg     | 13/11/2024 | 10:27 | Buzzard | 1      | improved agricultural grassland; walking                                                                     | LDV      |
| BZ055 | Waterbird Distribution and Abundance Survey; Carrownabo    | 13/11/2024 | 13:25 | Buzzard | 2      | improved agricultural grassland and semi-natural woodland; flushed, perched                                  | LDV      |
| BZ056 | Waterbird Distribution and Abundance Survey; Horseleap     | 26/11/2024 | 11:17 | Buzzard | 1      | semi-natural woodland; perched, perched on a dead tree                                                       | LDV      |
| BZ057 | Hen Harrier Roost Survey; HHVP3                            | 26/11/2024 | 15:19 | Buzzard | 1      | upland blanket bog; travelling                                                                               | LDV      |
| BZ058 | Hen Harrier Roost Survey; HHVP4                            | 02/12/2024 | 15:40 | Buzzard | 1      | bogs; travelling                                                                                             | LDV      |
| BZ059 | Waterbird Distribution and Abundance Survey; Cloonboo      | 16/12/2024 | 13:26 | Buzzard | 1      | hedgerows; perched                                                                                           | LDV      |
| BZ060 | Hen Harrier Roost Survey; HHVP2                            | 29/01/2025 | 09:39 | Buzzard | 1      | bogs and improved agricultural grassland; perched, travelling                                                | LDV      |
| BZ061 | Waterbird Distribution and Abundance Survey; Levally       | 29/01/2025 | 14:31 | Buzzard | 1      | improved agricultural grassland; travelling                                                                  | LDV      |
| BZ062 | Waterbird Distribution and Abundance Survey; Levally Lough | 25/02/2025 | 10:57 | Buzzard | 1      | turloughs and linear woodland/scrub; displaying, over a small stand of conifers                              | PDC      |
| BZ063 | Vantage Point Survey; VP1                                  | 04/03/2025 | 12:57 | Buzzard | 1      | improved agricultural grassland and bogs; circling, just after survey while leaving site                     | LDV      |
| BZ064 | Vantage Point Survey; Horseleap Lough                      | 12/03/2025 | 11:12 | Buzzard | 1      | improved agricultural grassland; calling, heard not seen                                                     | PDC      |
| BZ065 | Waterbird Distribution and Abundance Survey; Cooloo        | 28/03/2025 | 13:36 | Buzzard | 2      | bogs and highly modified/non-native woodland; circling, displaying                                           | LDV      |





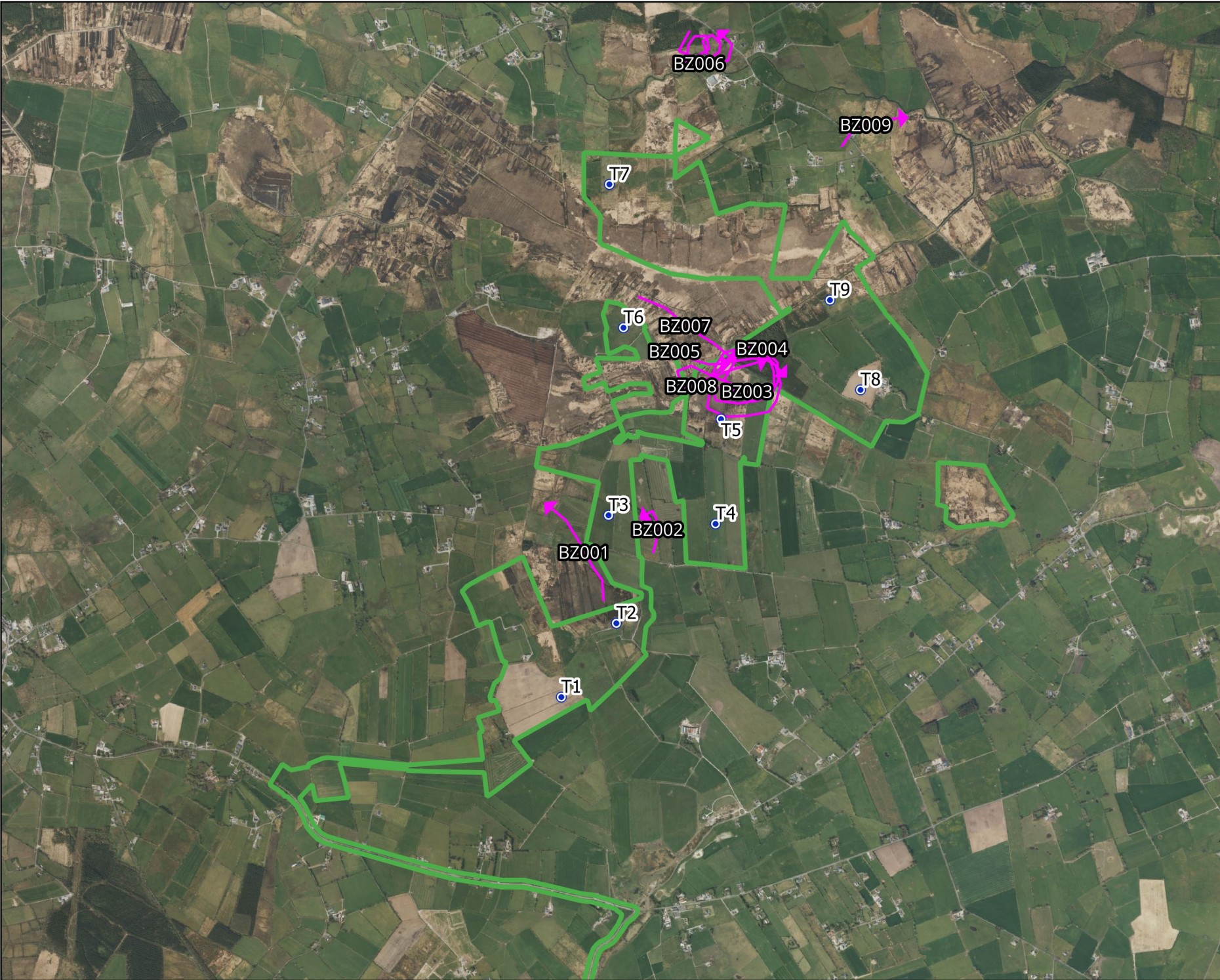
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Buzzard<br>Winter Walkover Survey                                                                                                                                                                                                                                        |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-2   |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:27,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VW84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title

**Buzzard  
Breeding Walkover Survey**

Project Title

**Cooloo Wind Farm, Co. Galway**

Drawn By

**SD**

Checked By

**PC**

Project No.

**190723-m**

Drawing No.

**Fig 7-4-3**

Scale

**1:28,000**

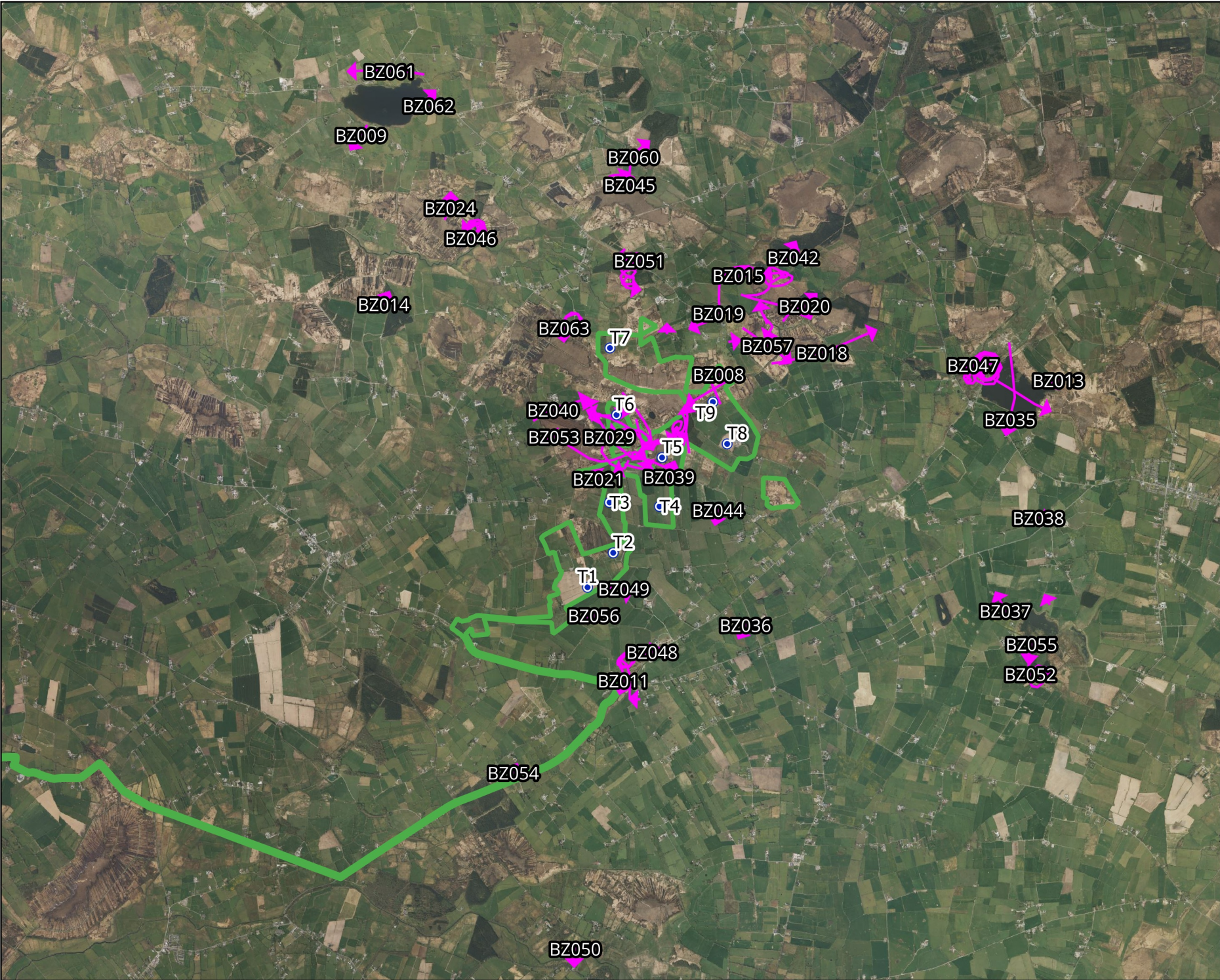
Date

**2025.09.18**



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Website: ww.mkofireland.ie





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Buzzard<br>Incidental Records                                                                                                                                                                                                                                                            |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-4   |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:60,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VW84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |



3.

## COMMON GULL

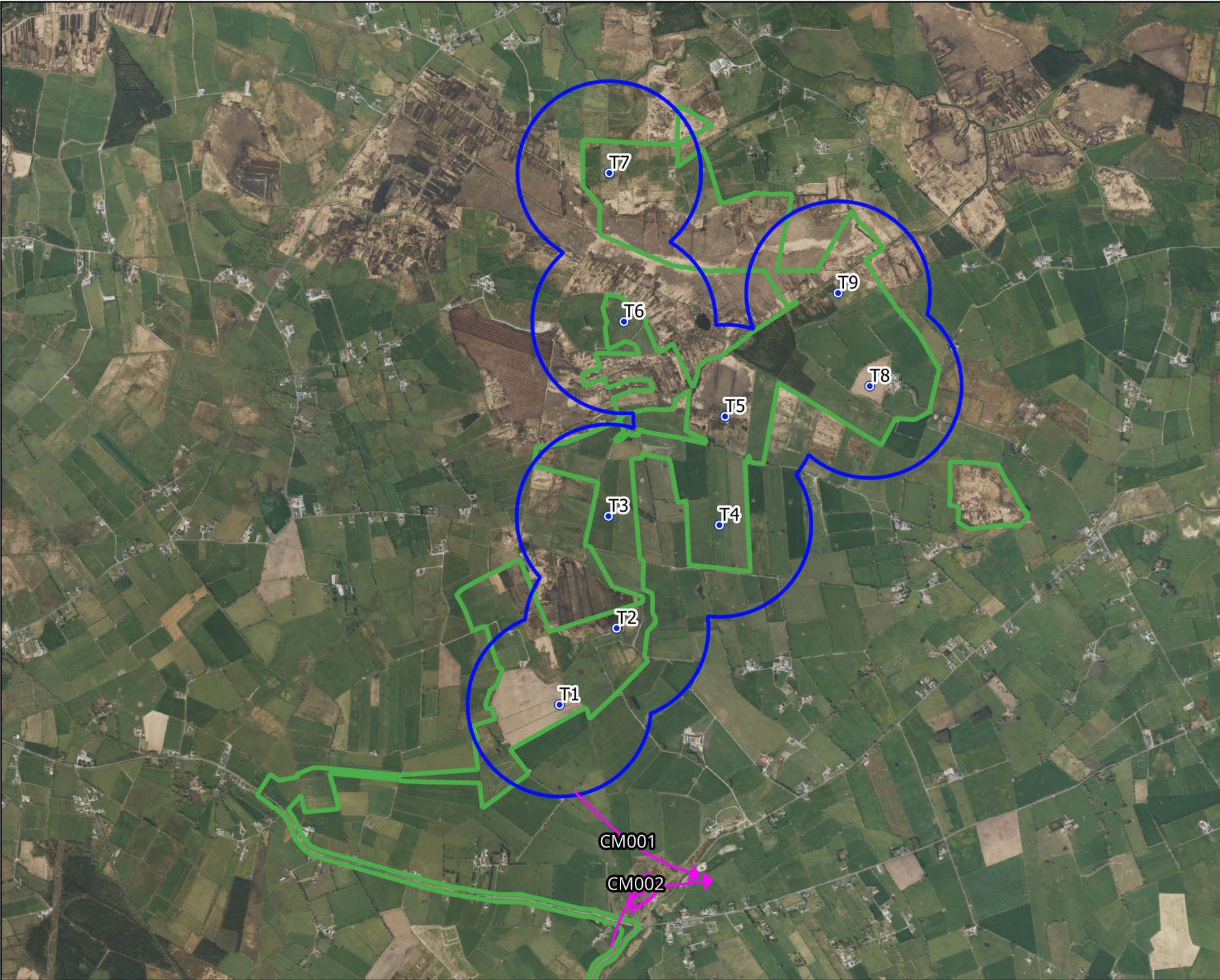
Table 7 - 4 - 5 Common gull vantage point survey data

| Ref.  | VP  | Date       | Time  | Species     | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                            | Surveyor |
|-------|-----|------------|-------|-------------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------------------------------|----------|
| CM001 | VP2 | 19/06/2024 | 13:22 | Common Gull | 1      | 33                     | 0      | 33     | 0      | 0      | improved grassland and lakes and ponds; travelling              | LDV      |
| CM002 | VP2 | 29/11/2024 | 13:33 | Common Gull | 8      | 97                     | 0      | 97     | 0      | 0      | lakes and ponds and improved agricultural grassland; travelling | LDV      |

Table 7 - 4 - 6 Common gull waterbird distribution and abundance survey data

| Ref.  | Location               | Date       | Time  | Species     | Number | Habitat and activity                                | Surveyor |
|-------|------------------------|------------|-------|-------------|--------|-----------------------------------------------------|----------|
| CM001 | Summerville lough      | 17/08/2021 | 13:06 | Common Gull | 2      | mesotrophic lakes; terrestrial                      | JK       |
| CM002 | Gurteenlahard turlough | 16/12/2021 | 13:48 | Common Gull | 4      | turloughs; terrestrial                              | JK       |
| CM003 | Summerville turlough   | 23/10/2024 | 11:36 | Common Gull | 5      | lakes and ponds; travelling, roosting, with lapwing | LDV      |
| CM004 | Summerville lough      | 13/11/2024 | 12:54 | Common Gull | 16     | lakes and ponds; roosting                           | LDV      |



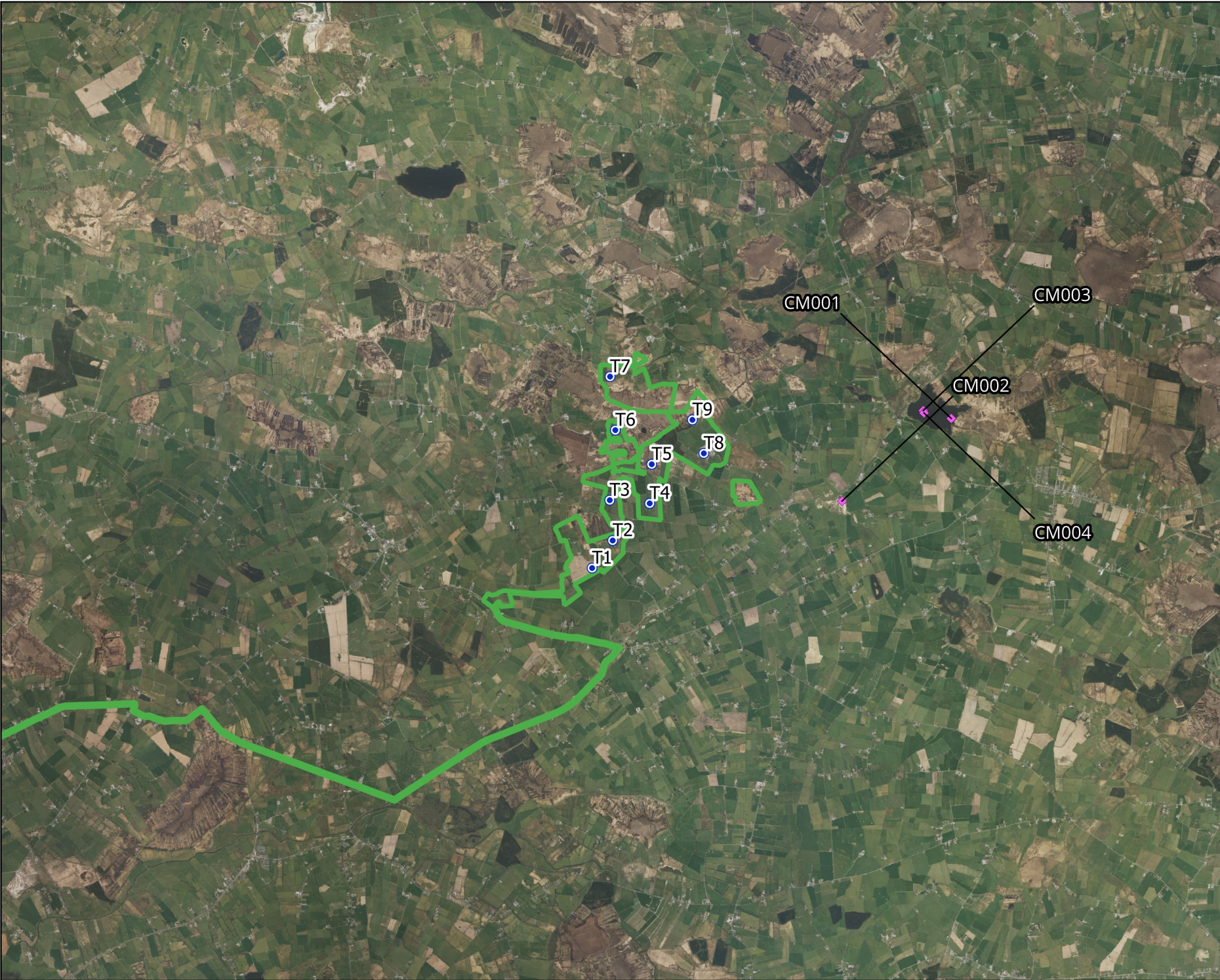


- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record



|                                                                                                                                                                                 |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                   |             |
| Common Gull<br>Vantage Point Survey                                                                                                                                             |             |
| Project Title                                                                                                                                                                   |             |
| Coolool Wind Farm, Co. Galway                                                                                                                                                   |             |
| Drawn By                                                                                                                                                                        | Checked By  |
| SD                                                                                                                                                                              | PC          |
| Project No.                                                                                                                                                                     | Drawing No. |
| 190723-m                                                                                                                                                                        | Fig 7-4-5   |
| Scale                                                                                                                                                                           | Date        |
| 1:27,000                                                                                                                                                                        | 2025.09.18  |
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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title  
Common Gull  
Waterbird Distribution and Abundance  
Survey

Project Title  
Cooloo Wind Farm, Co. Galway

|                |                  |
|----------------|------------------|
| Drawn By<br>SD | Checked By<br>PC |
|----------------|------------------|

|                         |                          |
|-------------------------|--------------------------|
| Project No.<br>190723-m | Drawing No.<br>Fig 7-4-6 |
|-------------------------|--------------------------|

|                   |                    |
|-------------------|--------------------|
| Scale<br>1:75,000 | Date<br>2025.09.18 |
|-------------------|--------------------|

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4.

## CURLEW

Table 7 - 4 - 7 Curlew vantage point survey data

| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|---------------------------------------------------------------------|----------|
| CU001 | VP2 | 09/03/2022 | 18:45 | Curlew  | 1      | 308                    | 0      | 308    | 0      | 0      | lakes and ponds and improved agricultural grassland; flying calling | ZE       |

Table 7 - 4 - 8 Curlew waterbird distribution and abundance survey data

| Ref.  | Location               | Date       | Time         | Species | Number | Habitat and activity                                                                                                     | Surveyor |
|-------|------------------------|------------|--------------|---------|--------|--------------------------------------------------------------------------------------------------------------------------|----------|
| CU001 | Cooloo East            | 27/09/2019 | not recorded | Curlew  | 8      | turloughs; feeding                                                                                                       | CD       |
| CU002 | Cooloo North           | 27/09/2019 | not recorded | Curlew  | 7      | turloughs; flying                                                                                                        | CD       |
| CU003 | Cooloo North           | 27/09/2019 | not recorded | Curlew  | 27     | turloughs; roosting                                                                                                      | CD       |
| CU004 | Levally lough          | 08/10/2019 | 15:15        | Curlew  | 48     | turloughs; wading feeding, roosting, flew from south with flock of lapwing landed west of lough, feeding/roosting        | MP       |
| CU005 | Levally lough          | 22/10/2019 | 09:45        | Curlew  | 2      | turloughs; flying , flew south west over lough                                                                           | MP       |
| CU006 | Gorteenlahard Turlough | 22/10/2019 | 12:15        | Curlew  | 20     | improved agricultural grassland, wet grassland and turloughs; terrestrial feeding/roosting, feeding in nearby grasslands | MP       |
| CU007 | Gorteenlahard turlough | 06/11/2019 | 11:30        | Curlew  | 1      | turloughs and improved agricultural grassland; terrestrial feeding/roosting                                              | MP       |
| CU008 | Summerville lough      | 06/11/2019 | 12:30        | Curlew  | 1      | limestone/marl lakes; terrestrial , heard in reed banks                                                                  | MP       |
| CU009 | Levally Lough          | 06/11/2019 | 14:00        | Curlew  | 6      | limestone/marl lakes and wet grassland; terrestrial feeding/roosting, with lapwing                                       | MP       |
| CU010 | Levally Lough          | 06/11/2019 | 14:00        | Curlew  | 10     | limestone/marl lakes and wet grassland; flying , flying south                                                            | MP       |
| CU011 | Gorteenlahard turlough | 20/11/2019 | not recorded | Curlew  | 21     | improved agricultural grassland and wet grassland; terrestrial feeding/roosting, feeding in grassland by turlough        | MP       |

| Ref.  | Location               | Date       | Time         | Species | Number | Habitat and activity                                                                                                                                      | Surveyor |
|-------|------------------------|------------|--------------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CU012 | Gorteenlahard Turlough | 19/12/2019 | 12:15        | Curlew  | 3      | turloughs and improved agricultural grassland; terrestrial feeding/roosting                                                                               | MP       |
| CU013 | Levally Lough          | 19/12/2019 | 14:00        | Curlew  | 35     | limestone/marl lakes and improved agricultural grassland; flying , flew north west                                                                        | MP       |
| CU014 | Levally Lough          | 15/01/2020 | 13:45        | Curlew  | 25     | limestone/marl lakes and improved agricultural grassland; terrestrial feeding/roosting, by bank with lapwing, flew to south grassland across road to feed | MP       |
| CU015 | Levally Lough          | 28/01/2020 | 14:15        | Curlew  | 50     | limestone/marl lakes and improved agricultural grassland; flying , flew from south grassland over lough then back to grassland                            | MP       |
| CU016 | Levally Lough          | 07/02/2020 | 15:00        | Curlew  | 47     | limestone/marl lakes; terrestrial feeding/roosting                                                                                                        | MP       |
| CU017 | Levally Lough          | 19/03/2020 | 16:15        | Curlew  | 4      | improved agricultural grassland and limestone/marl lakes; flying, feeding, roosting, flying over lough, landed on bank                                    | MP       |
| CU018 | Levally Lough          | 04/08/2020 | not recorded | Curlew  | 74     | improved agricultural grassland; terrestrial                                                                                                              | JK       |
| CU019 | Levally Lough          | 21/08/2020 | not recorded | Curlew  | 27     | turloughs; terrestrial, loafing. mix of adults and juveniles                                                                                              | JK       |
| CU020 | Levally Lough          | 05/10/2020 | 11:41        | Curlew  | 32     | turloughs; feeding, flying                                                                                                                                | JK       |
| CU021 | Levally Lough          | 23/10/2020 | 09:35        | Curlew  | 17     | turloughs; flying                                                                                                                                         | JK       |
| CU022 | Gorteenlahard Turlough | 08/12/2020 | not recorded | Curlew  | 20     | improved agricultural grassland; feeding, map location 7                                                                                                  | PT       |
| CU023 | Levally Lough          | 22/12/2020 | not recorded | Curlew  | 12     | grassland and marsh; feeding, 9 at mapped location 3                                                                                                      | PT       |
| CU024 | Gorteenlahard Turlough | 22/12/2020 | not recorded | Curlew  | 8      | improved agricultural grassland; roosting, feeding                                                                                                        | PT       |
| CU025 | Levally Lough          | 07/01/2021 | 11:26        | Curlew  | 17     | turloughs; terrestrial                                                                                                                                    | JK       |
| CU026 | Levally Lough          | 29/01/2021 | 16:45        | Curlew  | 31     | turloughs; terrestrial                                                                                                                                    | JK       |
| CU027 | Levally Lough          | 08/02/2021 | 14:54        | Curlew  | 19     | turloughs; terrestrial                                                                                                                                    | JK       |
| CU028 | Levally Lough          | 24/02/2021 | 15:02        | Curlew  | 13     | turloughs; terrestrial                                                                                                                                    | JK       |



| Ref.  | Location               | Date       | Time  | Species | Number | Habitat and activity                                                                                                                                           | Surveyor |
|-------|------------------------|------------|-------|---------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| CU029 | Summerville lough      | 28/04/2021 | 13:45 | Curlew  | 9      | dry calcareous and neutral grassland and improved agricultural grassland; feeding, curlew probing soil on section of wet grass between lake and grazing field. | SOB      |
| CU030 | Levally Lough          | 09/09/2021 | 11:56 | Curlew  | 1      | turloughs; flying                                                                                                                                              | JK       |
| CU031 | Levally Lough          | 10/11/2021 | 14:15 | Curlew  | 3      | turloughs; terrestrial                                                                                                                                         | JK       |
| CU032 | Levally Lough          | 23/11/2021 | 13:45 | Curlew  | 8      | turloughs; terrestrial                                                                                                                                         | JK       |
| CU033 | Barnaderg turlough     | 23/11/2021 | 14:01 | Curlew  | 16     | improved agricultural grassland; terrestrial                                                                                                                   | JK       |
| CU034 | Gurteenlahard turlough | 23/11/2021 | 14:24 | Curlew  | 3      | turloughs; terrestrial                                                                                                                                         | JK       |
| CU035 | Levally Lough          | 03/12/2021 | 13:17 | Curlew  | 8      | turloughs; wading                                                                                                                                              | JK       |
| CU036 | Levally Lough          | 16/12/2021 | 14:28 | Curlew  | 10     | turloughs; terrestrial                                                                                                                                         | JK       |
| CU037 | Levally Lough          | 16/12/2021 | 14:49 | Curlew  | 18     | turloughs; terrestrial                                                                                                                                         | JK       |
| CU038 | Levally Lough          | 03/02/2022 | 12:11 | Curlew  | 7      | turloughs; terrestrial                                                                                                                                         | JK       |
| CU039 | Levally Lough          | 17/02/2022 | 16:28 | Curlew  | 26     | turloughs; terrestrial                                                                                                                                         | JK       |
| CU040 | Summerville lough      | 11/08/2023 | 12:11 | Curlew  | 11     | improved grassland and mesotrophic lakes; foraging                                                                                                             | ZOC      |
| CU041 | Gurteenlahard turlough | 11/08/2023 | 15:27 | Curlew  | 6      | turloughs and wet grassland; roosting                                                                                                                          | ZOC      |
| CU042 | Summerville lough      | 29/08/2023 | 09:58 | Curlew  | 7      | improved grassland and mesotrophic lakes; foraging                                                                                                             | ZOC      |
| CU043 | Levally Lough          | 29/08/2023 | 12:02 | Curlew  | 33     | improved grassland and turloughs; roosting                                                                                                                     | ZOC      |
| CU044 | Summerville lough      | 14/09/2023 | 12:24 | Curlew  | 24     | mesotrophic lakes; foraging                                                                                                                                    | ZOC      |
| CU045 | Levally Lough          | 14/09/2023 | 14:24 | Curlew  | 45     | turloughs; foraging                                                                                                                                            | ZOC      |
| CU046 | Summerville lough      | 29/09/2023 | 11:18 | Curlew  | 2      | mesotrophic lakes; roosting                                                                                                                                    | ZOC      |
| CU047 | Levally Lough          | 29/09/2023 | 13:48 | Curlew  | 19     | turloughs; roosting                                                                                                                                            | ZOC      |
| CU048 | Levally Lough          | 29/09/2023 | 14:02 | Curlew  | 3      | turloughs; roosting                                                                                                                                            | ZOC      |
| CU049 | Levally Lough          | 03/10/2023 | 08:55 | Curlew  | 1      | turloughs; flying                                                                                                                                              | LDV      |
| CU050 | Feagh west             | 19/10/2023 | 12:15 | Curlew  | 4      | wet grassland; foraging                                                                                                                                        | LDV      |
| CU051 | Levally Lough          | 01/11/2023 | 10:26 | Curlew  | 2      | improved grassland and turloughs; flushed                                                                                                                      | LDV      |
| CU052 | Gorteenlahard turlough | 21/11/2023 | 09:17 | Curlew  | 1      | turloughs and improved grassland; foraging near water                                                                                                          | LDV      |
| CU053 | Levally Lough          | 21/11/2023 | 12:09 | Curlew  | 1      | wet grassland and lakes and ponds; foraging near water                                                                                                         | LDV      |
| CU054 | Levally Lough          | 19/12/2023 | 10:09 | Curlew  | 42     | turloughs and improved grassland; roosting on bank                                                                                                             | LDV      |
| CU055 | Carrownabo turlough    | 19/12/2023 | 11:15 | Curlew  | 38     | turloughs and improved grassland; foraging                                                                                                                     | LDV      |
| CU056 | Gorteenlahard turlough | 19/12/2023 | 12:01 | Curlew  | 52     | turloughs; foraging                                                                                                                                            | LDV      |
| CU057 | Levally Lough          | 04/01/2024 | 10:29 | Curlew  | 37     | lakes and ponds and improved grassland; foraging, roosting                                                                                                     | LDV      |
| CU058 | Gorteenlahard turlough | 04/01/2024 | 12:26 | Curlew  | 18     | improved grassland and turloughs; foraging                                                                                                                     | LDV      |

| Ref.  | Location               | Date       | Time  | Species | Number | Habitat and activity                                                | Surveyor |
|-------|------------------------|------------|-------|---------|--------|---------------------------------------------------------------------|----------|
| CU059 | Carrownabo turlough    | 04/01/2024 | 14:09 | Curlew  | 25     | turloughs; roosting                                                 | LDV      |
| CU060 | Carrownabo turlough    | 07/02/2024 | 12:39 | Curlew  | 117    | improved grassland and turloughs; foraging                          | LDV      |
| CU061 | Levally lough          | 26/08/2024 | 15:48 | Curlew  | 15     | lakes and ponds; feeding                                            | MH       |
| CU062 | Summerville Lough      | 04/09/2024 | 11:08 | Curlew  | 5      | mesotrophic lakes and improved agricultural grassland; commuting    | CG       |
| CU063 | Levally Lough          | 04/09/2024 | 13:23 | Curlew  | 38     | wet grassland and eutrophic lakes; roosting, foraging               | CG       |
| CU064 | Levally Lough          | 19/09/2024 | 13:08 | Curlew  | 12     | turloughs; roosting                                                 | CG       |
| CU065 | Levally lough          | 23/10/2024 | 10:15 | Curlew  | 26     | turloughs; travelling, roosting, foraging                           | LDV      |
| CU066 | Carrownabo turlough    | 23/10/2024 | 12:16 | Curlew  | 82     | turloughs; travelling, roosting                                     | LDV      |
| CU067 | Levally lough          | 13/11/2024 | 11:10 | Curlew  | 15     | turloughs; foraging, travelling                                     | LDV      |
| CU068 | Levally lough          | 26/11/2024 | 12:01 | Curlew  | 3      | turloughs; roosting, flushed                                        | LDV      |
| CU069 | Gurteenlahard turlough | 26/11/2024 | 13:15 | Curlew  | 42     | turloughs; roosting, foraging                                       | LDV      |
| CU070 | Carrownabo turlough    | 26/11/2024 | 14:04 | Curlew  | 26     | turloughs; roosting, foraging                                       | LDV      |
| CU071 | Levally lough          | 16/12/2024 | 12:24 | Curlew  | 41     | lakes and ponds; roosting                                           | LDV      |
| CU072 | Carrownabo turlough    | 16/12/2024 | 14:23 | Curlew  | 81     | improved agricultural grassland and turloughs; travelling, foraging | LDV      |
| CU073 | Carrownabo turlough    | 09/01/2025 | 14:59 | Curlew  | 36     | turloughs; flying                                                   | LDV      |
| CU074 | Carrownabo             | 29/01/2025 | 11:24 | Curlew  | 116    | improved agricultural grassland; foraging                           | LDV      |
| CU075 | Levally lough          | 29/01/2025 | 14:29 | Curlew  | 29     | lakes and ponds; roosting, foraging                                 | LDV      |
| CU076 | Levally Lough          | 14/02/2025 | 09:28 | Curlew  | 3      | turloughs; flushed                                                  | PDC      |
| CU077 | Carrownabo Turlough    | 25/02/2025 | 12:22 | Curlew  | 6      | turloughs; resting                                                  | PDC      |

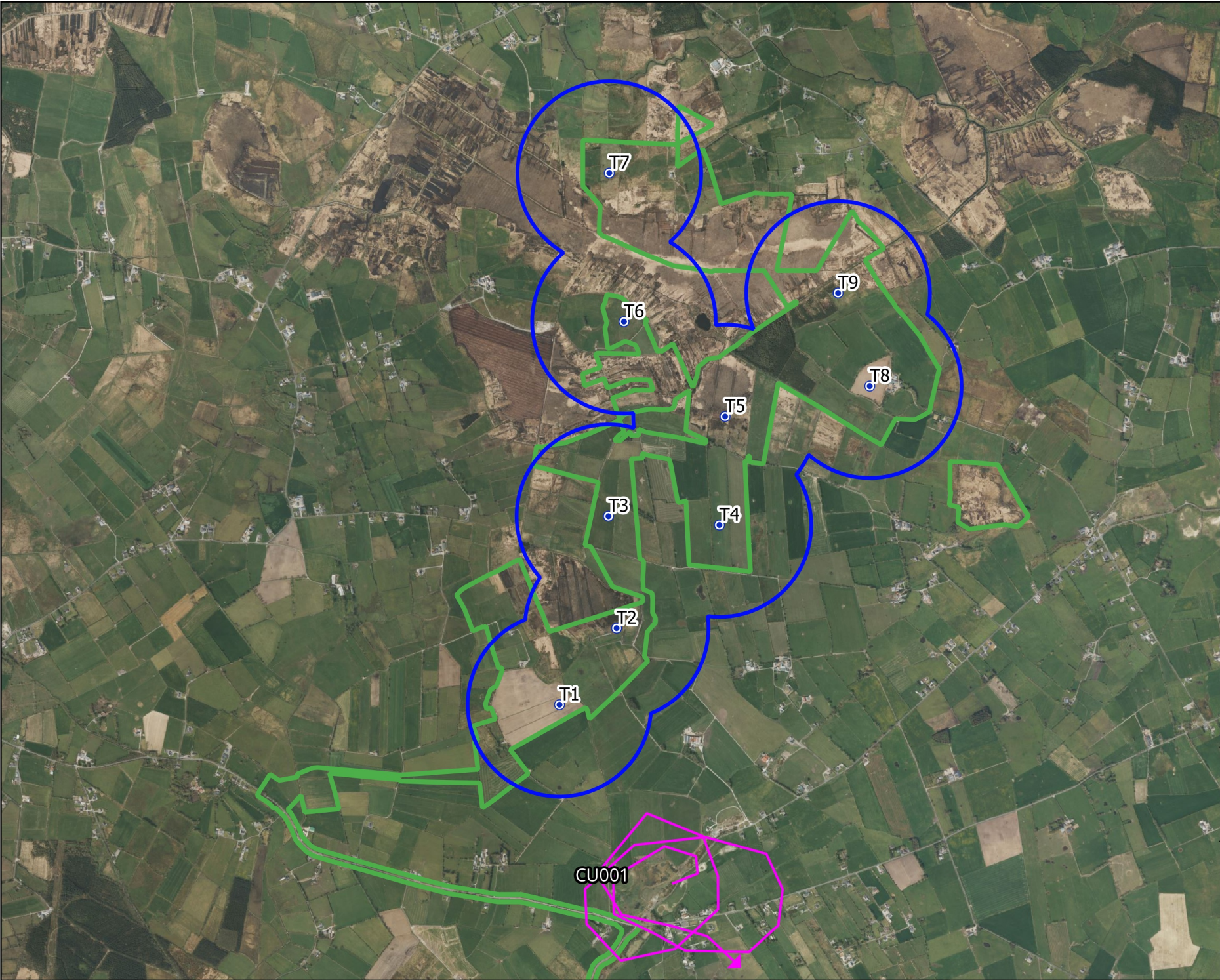
Table 7 - 4 - 9 Curlew incidental records

| Ref.  | Location                                   | Date       | Time         | Species | Number | Habitat and activity                                                                          | Surveyor |
|-------|--------------------------------------------|------------|--------------|---------|--------|-----------------------------------------------------------------------------------------------|----------|
| CU001 | Breeding Raptor Survey; BR5                | 18/06/2020 | not recorded | Curlew  | 1      | conifer plantation; flying over forestry and calling                                          | JK       |
| CU002 | Hen Harrier Roost Survey; LEVALLY          | 20/10/2021 | 17:30        | Curlew  | 58     | turloughs; roosting on turlough                                                               | JK       |
| CU003 | Hen Harrier Roost Survey; Corralea - HHVPI | 01/03/2022 | 17:12        | Curlew  | 1      | bogs, improved agricultural grassland and conifer plantation; calling, only heard one calling | ZE       |



| Ref.  | Location                                      | Date       | Time  | Species | Number | Habitat and activity                                                  | Surveyor |
|-------|-----------------------------------------------|------------|-------|---------|--------|-----------------------------------------------------------------------|----------|
| CU004 | Hen Harrier Roost Survey;<br>Corralea - HHVP1 | 01/03/2022 | 19:04 | Curlew  | 3      | improved agricultural grassland, bogs and conifer plantation; calling | ZE       |



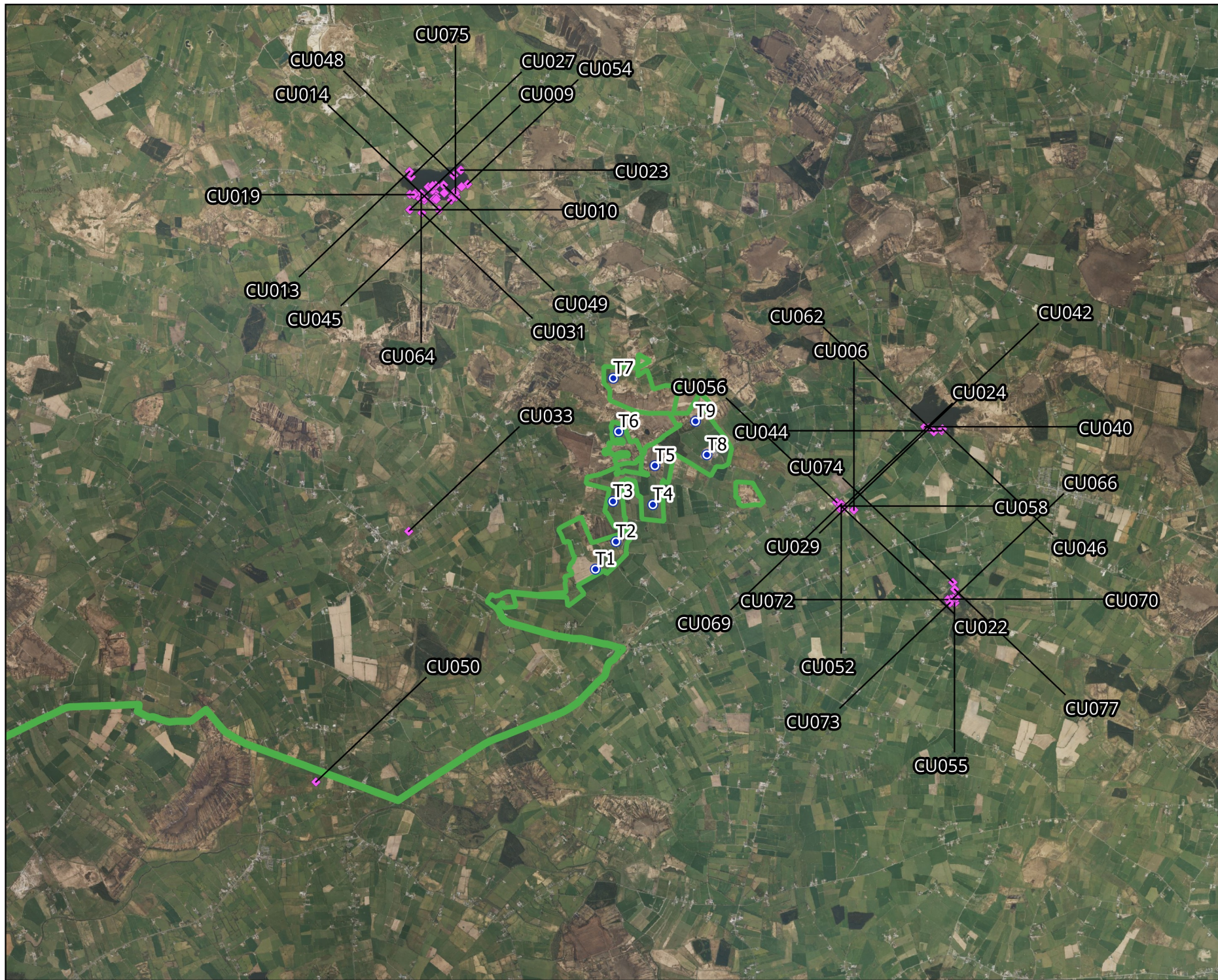


- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record



|                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                            |             |
| Curlew Vantage Point Survey                                                                                              |             |
| Project Title                                                                                                            |             |
| Coolool Wind Farm, Co. Galway                                                                                            |             |
| Drawn By                                                                                                                 | Checked By  |
| SD                                                                                                                       | PC          |
| Project No.                                                                                                              | Drawing No. |
| 190723-m                                                                                                                 | Fig 7-4-7   |
| Scale                                                                                                                    | Date        |
| 1:27,000                                                                                                                 | 2025.09.18  |
| MKO Planning and Environmental Consultants                                                                               |             |
| Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

- EIAR Site Boundary
- Turbine Locations
- Species Record



Drawing Title  
Curlew  
Waterbird Distribution and Abundance  
Survey

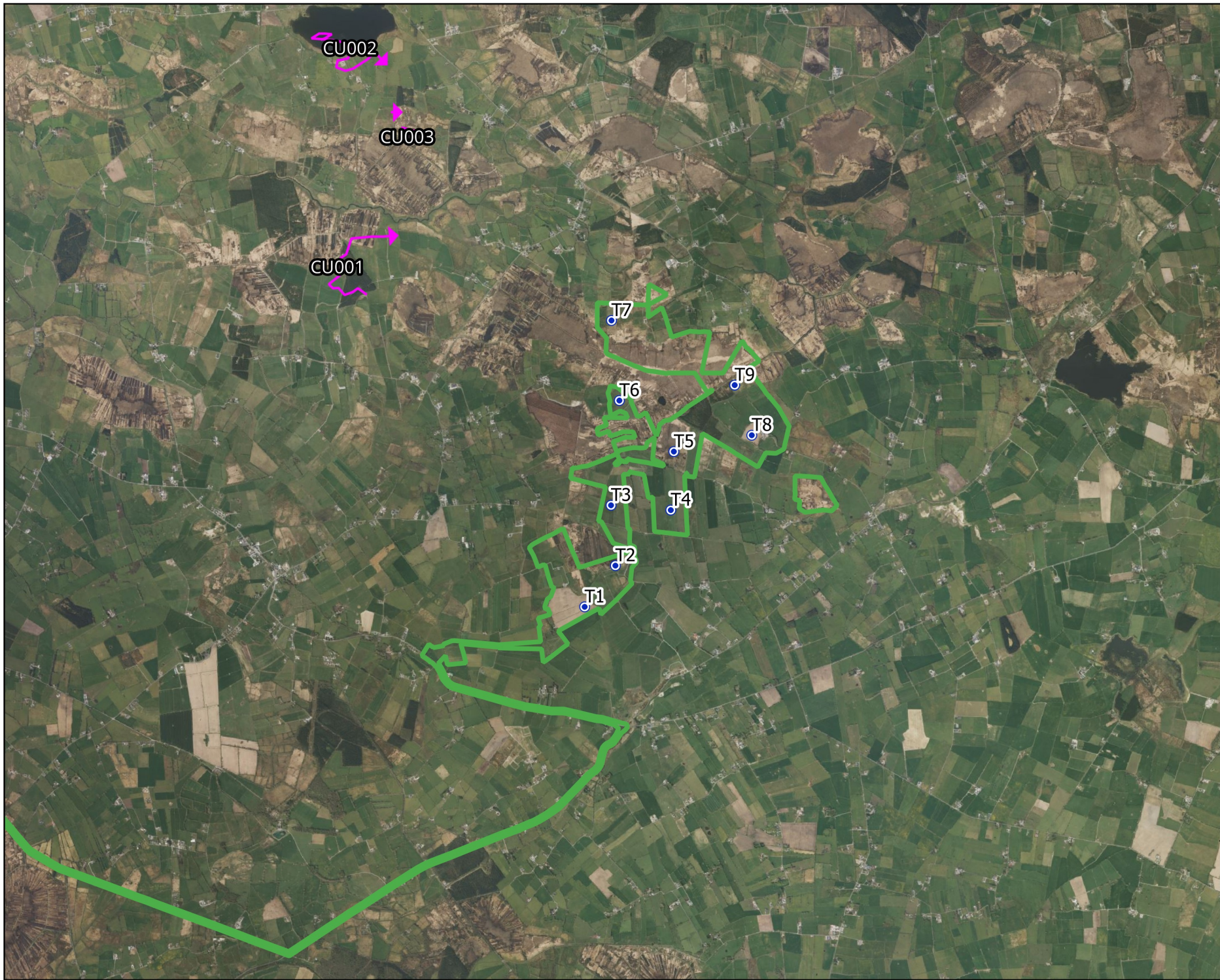
Project Title  
Cooloo Wind Farm, Co. Galway

|                         |                          |
|-------------------------|--------------------------|
| Drawn By<br>SD          | Checked By<br>PC         |
| Project No.<br>190723-m | Drawing No.<br>Fig 7-4-8 |
| Scale<br>1:75,000       | Date<br>2025.09.18       |



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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title

Curlew  
Incidental Records

Project Title

Cooloo Wind Farm, Co. Galway

Drawn By

SD

Checked By

PC

Project No.

190723-m

Drawing No.

Fig 7-4-9

Scale

1:50,000

Date

2025.09.18



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5.

## LITTLE EGRET

Table 7 - 4 - 10 Little egret vantage point survey data

| Ref.  | VP  | Date       | Time  | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                                              | Surveyor |
|-------|-----|------------|-------|--------------|--------|------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ET001 | VP2 | 06/03/2020 | 11:34 | Little Egret | 1      | 25                     | 0      | 25     | 0      | 0      | limestone/marl lakes and improved agricultural grassland; took off from bank together with grey heron, chased each other for 2s, and flew off north east together | MP       |
| ET002 | VP2 | 04/02/2021 | 14:20 | Little Egret | 1      | -                      | -      | -      | -      | -      | lakes and ponds; hunting                                                                                                                                          | CD       |
| ET003 | VP2 | 04/02/2021 | 15:06 | Little Egret | 2      | 25                     | 25     | 0      | 0      | 0      | lakes and ponds; flying and landing again on lake                                                                                                                 | CD       |
| ET004 | VP2 | 04/02/2021 | 17:24 | Little Egret | 1      | 25                     | 25     | 0      | 0      | 0      | lakes and ponds and improved agricultural grassland; travelling                                                                                                   | CD       |
| ET005 | VP2 | 31/03/2021 | 07:09 | Little Egret | 2      | -                      | -      | -      | -      | -      | turloughs; at roost                                                                                                                                               | JK       |
| ET006 | VP2 | 06/12/2021 | 14:28 | Little Egret | 1      | 20                     | 20     | 0      | 0      | 0      | cutover bog; flying                                                                                                                                               | JK       |
| ET007 | VP2 | 23/10/2023 | 16:37 | Little Egret | 1      | 10                     | 10     | 0      | 0      | 0      | freshwater marsh; travelling                                                                                                                                      | LDV      |
| ET008 | VP2 | 15/11/2023 | 07:48 | Little Egret | 1      | 64                     | 50     | 14     | 0      | 0      | lakes and ponds; travelling                                                                                                                                       | LDV      |
| ET009 | VP2 | 15/11/2023 | 09:38 | Little Egret | 1      | 69                     | 0      | 69     | 0      | 0      | improved grassland and lakes and ponds; travelling                                                                                                                | LDV      |
| ET010 | VP2 | 15/11/2023 | 09:43 | Little Egret | 1      | 22                     | 22     | 0      | 0      | 0      | lakes and ponds; travelling                                                                                                                                       | LDV      |
| ET011 | VP2 | 15/11/2023 | 09:48 | Little Egret | 1      | 24                     | 24     | 0      | 0      | 0      | lakes and ponds; travelling                                                                                                                                       | LDV      |
| ET012 | VP2 | 15/11/2023 | 11:21 | Little Egret | 1      | 10                     | 0      | 10     | 0      | 0      | lakes and ponds; travelling                                                                                                                                       | LDV      |
| ET013 | VP2 | 15/11/2023 | 12:34 | Little Egret | 1      | 27                     | 27     | 0      | 0      | 0      | lakes and ponds; travelling                                                                                                                                       | LDV      |
| ET014 | VP1 | 13/02/2024 | 14:07 | Little Egret | 1      | 117                    | 0      | 0      | 117    | 0      | bogs and highly modified/non-native woodland; travelling                                                                                                          | LDV      |

| Ref.  | VP  | Date       | Time  | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                            | Surveyor |
|-------|-----|------------|-------|--------------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------------------------------|----------|
| ET015 | VP2 | 15/02/2024 | 13:19 | Little Egret | 1      | -                      | -      | -      | -      | -      | lakes and ponds; foraging                                       | LDV      |
| ET016 | VP2 | 14/03/2024 | 06:44 | Little Egret | 3      | 17                     | 17     | 0      | 0      | 0      | lakes and ponds; flying, landing, foraging                      | LDV      |
| ET017 | VP2 | 14/03/2024 | 07:55 | Little Egret | 1      | 33                     | 23     | 10     | 0      | 0      | improved grassland and lakes and ponds; travelling              | LDV      |
| ET018 | VP2 | 14/03/2024 | 11:17 | Little Egret | 1      | 15                     | 15     | 0      | 0      | 0      | improved grassland and lakes and ponds; travelling              | LDV      |
| ET019 | VP2 | 10/04/2024 | 15:23 | Little Egret | 1      | 9                      | 9      | 0      | 0      | 0      | lakes and ponds and improved grassland; travelling, landing     | LDV      |
| ET020 | VP2 | 03/10/2024 | 15:23 | Little Egret | 2      | 12                     | 12     | 0      | 0      | 0      | lakes and ponds and improved grassland; travelling              | LDV      |
| ET021 | VP2 | 06/11/2024 | 08:11 | Little Egret | 1      | -                      | -      | -      | -      | -      | lakes and ponds; fishing                                        | LDV      |
| ET022 | VP2 | 06/11/2024 | 12:55 | Little Egret | 1      | 9                      | 9      | 0      | 0      | 0      | lakes and ponds; travelling                                     | LDV      |
| ET023 | VP2 | 29/11/2024 | 11:18 | Little Egret | 1      | -                      | -      | -      | -      | -      | lakes and ponds; foraging                                       | LDV      |
| ET024 | VP2 | 29/11/2024 | 17:08 | Little Egret | 1      | 68                     | 50     | 18     | 0      | 0      | improved agricultural grassland and lakes and ponds; travelling | LDV      |
| ET025 | VP1 | 03/12/2024 | 10:45 | Little Egret | 1      | 62                     | 62     | 0      | 0      | 0      | bogs; travelling, came up from then dropped back onto bog.      | PDC      |

Table 7 - 4 - 11 Little egret waterbird distribution and abundance survey data

| Ref.  | Location        | Date       | Time         | Species      | Number | Habitat and activity                               | Surveyor |
|-------|-----------------|------------|--------------|--------------|--------|----------------------------------------------------|----------|
| ET001 | Cooloo East     | 27/09/2019 | not recorded | Little Egret | 1      | turloughs and wet grassland; feeding               | CD       |
| ET002 | Horseleap Lough | 19/03/2020 | 13:45        | Little Egret | 1      | limestone/marl lakes; terrestrial feeding/roosting | MP       |



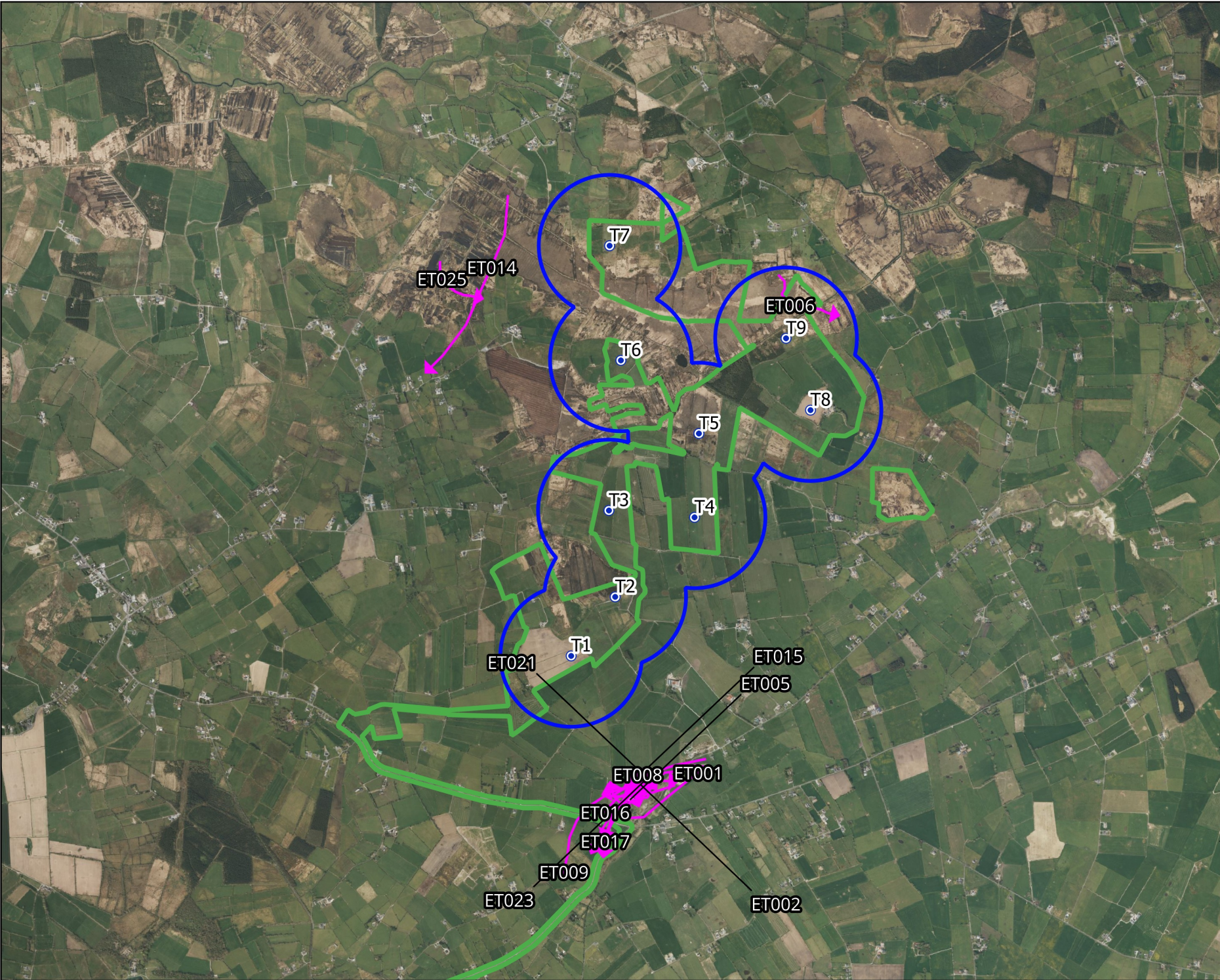
| Ref.  | Location           | Date       | Time         | Species      | Number | Habitat and activity                  | Surveyor |
|-------|--------------------|------------|--------------|--------------|--------|---------------------------------------|----------|
| ET003 | Levally Lough      | 01/09/2020 | not recorded | Little Egret | 1      | turloughs; wading                     | JK       |
| ET004 | Summerville lough  | 01/09/2020 | not recorded | Little Egret | 2      | limestone/marl lakes; flying          | JK       |
| ET005 | Levally Lough      | 17/11/2020 | 13:59        | Little Egret | 3      | turloughs; terrestrial                | JK       |
| ET006 | Summerville lough  | 08/12/2020 | not recorded | Little Egret | 1      | reed and large sedge swamps; foraging | PT       |
| ET007 | Levally Lough      | 22/12/2020 | not recorded | Little Egret | 2      | habitat not recorded; feeding         | PT       |
| ET008 | Summerville lough  | 22/12/2020 | not recorded | Little Egret | 1      | lakes and ponds; feeding              | PT       |
| ET009 | Levally Lough      | 29/01/2021 | 16:47        | Little Egret | 1      | turloughs; wading                     | JK       |
| ET010 | Levally Lough      | 24/02/2021 | 15:04        | Little Egret | 1      | turloughs; wading                     | JK       |
| ET011 | Levally Lough      | 17/08/2021 | 13:26        | Little Egret | 8      | turloughs; wading                     | JK       |
| ET012 | Levally Lough      | 25/08/2021 | 16:18        | Little Egret | 12     | turloughs; terrestrial, roosting      | JK       |
| ET013 | Levally Lough      | 09/09/2021 | 11:54        | Little Egret | 12     | turloughs; terrestrial                | JK       |
| ET014 | Levally Lough      | 23/09/2021 | 17:16        | Little Egret | 2      | mesotrophic lakes; flying             | JK       |
| ET015 | Summerville lough  | 11/08/2023 | 12:17        | Little Egret | 1      | mesotrophic lakes; flight             | ZOC      |
| ET016 | Gilkagh bridge     | 05/12/2023 | 13:51        | Little Egret | 1      | watercourses; foraging                | LDV      |
| ET017 | Summerville lough  | 04/01/2024 | 12:51        | Little Egret | 1      | lakes and ponds; foraging             | LDV      |
| ET018 | Barnaderg turlough | 07/02/2024 | 09:58        | Little Egret | 1      | turloughs; foraging                   | LDV      |
| ET019 | Barnaderg turlough | 20/02/2024 | 11:49        | Little Egret | 1      | lakes and ponds; foraging             | LDV      |
| ET020 | Cloonkeen bridge   | 01/03/2024 | 11:39        | Little Egret | 2      | watercourses; roosting                | LDV      |
| ET021 | Horseleap Lough    | 15/03/2024 | 11:35        | Little Egret | 1      | lakes and ponds; foraging             | LDV      |
| ET022 | Horseleap lough    | 04/04/2024 | 10:23        | Little Egret | 1      | lakes and ponds; flying, foraging     | LDV      |
| ET023 | Barnaderg          | 04/04/2024 | 10:52        | Little Egret | 1      | turloughs; foraging                   | LDV      |
| ET024 | Barnaderg          | 18/04/2024 | 13:09        | Little Egret | 1      | turloughs; foraging                   | LDV      |
| ET025 | Horseleap          | 18/04/2024 | 16:21        | Little Egret | 1      | turloughs; foraging                   | LDV      |

| Ref.  | Location       | Date       | Time  | Species      | Number | Habitat and activity                                           | Surveyor |
|-------|----------------|------------|-------|--------------|--------|----------------------------------------------------------------|----------|
| ET026 | Newtown bridge | 07/08/2024 | 11:40 | Little Egret | 1      | depositing/lowland rivers; hunting                             | MH       |
| ET027 | Levally Lough  | 04/09/2024 | 13:21 | Little Egret | 2      | improved agricultural grassland and eutrophic lakes; commuting | CG       |
| ET028 | Barnaderg      | 23/10/2024 | 09:32 | Little Egret | 1      | turloughs; travelling, foraging                                | LDV      |
| ET029 | Levally lough  | 23/10/2024 | 10:17 | Little Egret | 5      | turloughs; foraging                                            | LDV      |
| ET030 | Barnaderg      | 13/11/2024 | 10:48 | Little Egret | 1      | turloughs; roosting                                            | LDV      |
| ET031 | Levally lough  | 13/11/2024 | 11:09 | Little Egret | 8      | turloughs; foraging                                            | LDV      |
| ET032 | Barnaderg      | 26/11/2024 | 11:35 | Little Egret | 1      | turloughs; foraging                                            | LDV      |
| ET033 | Levally lough  | 26/11/2024 | 12:00 | Little Egret | 4      | turloughs; foraging                                            | LDV      |
| ET034 | Levally Lough  | 06/12/2024 | 09:50 | Little Egret | 5      | turloughs; foraging                                            | PDC      |
| ET035 | Levally lough  | 16/12/2024 | 12:26 | Little Egret | 8      | lakes and ponds; foraging                                      | LDV      |
| ET036 | Levally lough  | 09/01/2025 | 12:59 | Little Egret | 2      | turloughs; foraging                                            | LDV      |
| ET037 | Levally lough  | 29/01/2025 | 14:28 | Little Egret | 4      | lakes and ponds; foraging                                      | LDV      |
| ET038 | Levally Lough  | 25/02/2025 | 11:01 | Little Egret | 2      | turloughs; foraging                                            | PDC      |
| ET039 | Levally lough  | 28/03/2025 | 16:12 | Little Egret | 7      | lakes and ponds; foraging                                      | LDV      |

Table 7 - 4 - 12 Little egret incidental records

| Ref.  | Location                            | Date       | Time  | Species      | Number | Habitat and activity                                         | Surveyor |
|-------|-------------------------------------|------------|-------|--------------|--------|--------------------------------------------------------------|----------|
| ET001 | Hen Harrier Roost Survey;<br>HHVP2  | 06/12/2021 | 16:19 | Little Egret | 1      | cutover bog; travelling                                      | JK       |
| ET002 | Hen Harrier Roost Survey;<br>HHVP3  | 19/12/2023 | 16:32 | Little Egret | 1      | bogs; travelling                                             | LDV      |
| ET003 | Hen Harrier Roost Survey;<br>HHVP4a | 08/01/2024 | 16:52 | Little Egret | 1      | bogs; flying                                                 | LDV      |
| ET004 | Hen Harrier Roost Survey;<br>HHVP3  | 26/11/2024 | 16:34 | Little Egret | 1      | upland blanket bog and depositing/lowland rivers; travelling | LDV      |





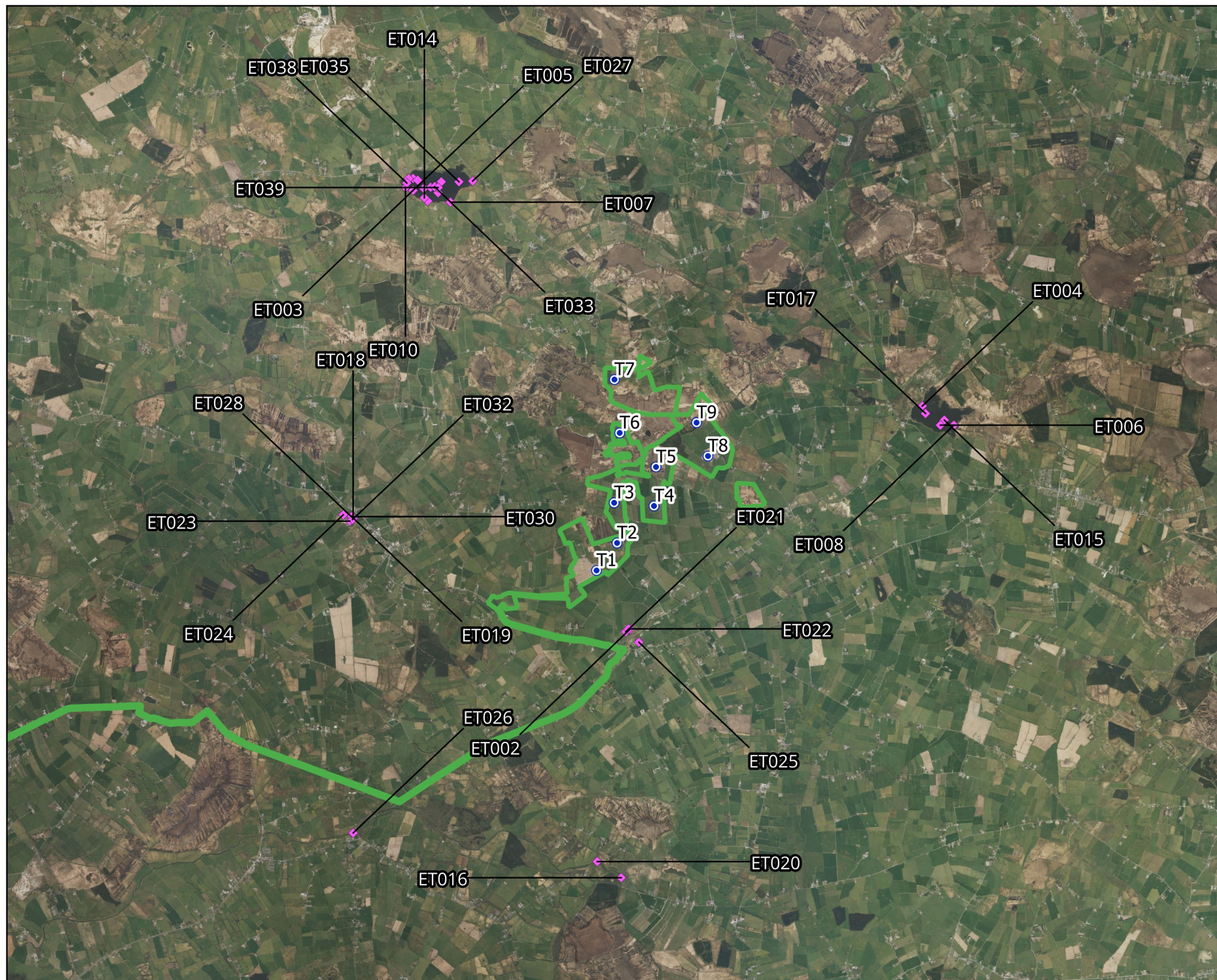
- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                          |             |
| Little Egret Vantage Point Survey                                                                                                                                      |             |
| Project Title                                                                                                                                                          |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                           |             |
| Drawn By                                                                                                                                                               | Checked By  |
| SD                                                                                                                                                                     | PC          |
| Project No.                                                                                                                                                            | Drawing No. |
| 190723-m                                                                                                                                                               | Fig 7-4-10  |
| Scale                                                                                                                                                                  | Date        |
| 1:35,000                                                                                                                                                               | 2025.09.18  |
| MKO Planning and Environmental Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |

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### Map Legend



EIAR Site Boundary



### Turbine Locations



Species Record



Drawing Title

## Little Egret Waterbird Distribution and Abundance Survey

|  |               |
|--|---------------|
|  | Project Title |
|--|---------------|

Cooloo Wind Farm, Co. Galway

Drawn By

SD

|            |  |
|------------|--|
| Checked By |  |
|------------|--|

PC

Project No. 190723-m

|             |            |
|-------------|------------|
| Drawing No. | Fig 7-4-11 |
|-------------|------------|

Scale  
1:75,000

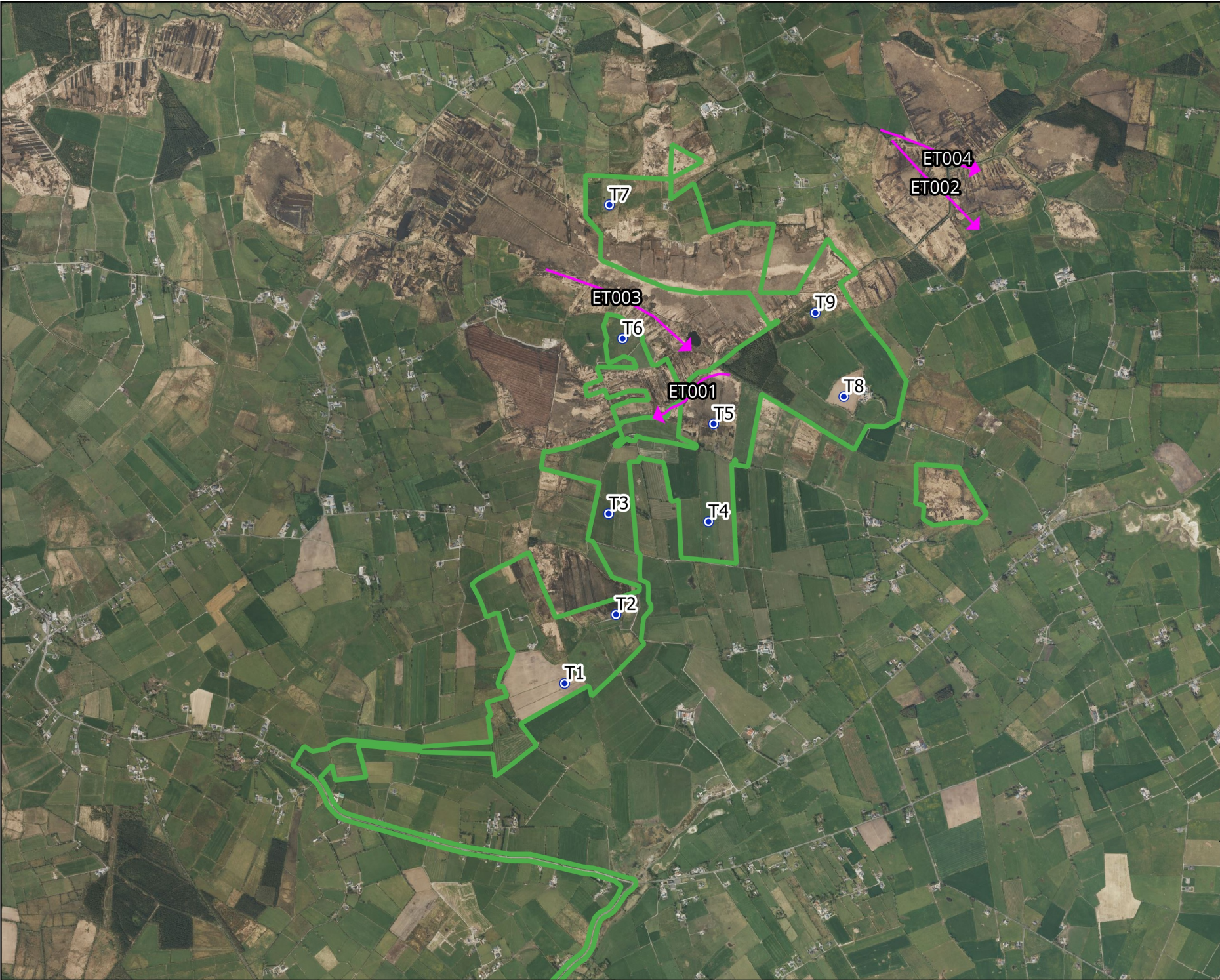
|      |            |
|------|------------|
| Date | 2025.09.18 |
|------|------------|



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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Little Egret<br>Incidental Records                                                                                                                                                                                                                                                       |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloolo Wind Farm, Co. Galway                                                                                                                                                                                                                                                           |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-12  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:30,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |



6.

## GREY WAGTAIL

Table 7 - 4 - 13 Grey wagtail vantage point survey data

| Ref.  | VP  | Date       | Time         | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                           | Surveyor |
|-------|-----|------------|--------------|--------------|--------|------------------------|--------|--------|--------|--------|------------------------------------------------------------------------------------------------|----------|
| GL001 | VP1 | 30/06/2021 | not recorded | Grey Wagtail | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                          | JK       |
| GL002 | VP2 | 10/04/2024 | 15:42        | Grey Wagtail | 1      | 36                     | 0      | 36     | 0      | 0      | lakes and ponds and improved grassland; travelling                                             | LDV      |
| GL003 | VP2 | 10/04/2024 | 16:17        | Grey Wagtail | 1      | 14                     | 10     | 4      | 0      | 0      | lakes and ponds; travelling                                                                    | LDV      |
| GL004 | VP2 | 03/05/2024 | 09:33        | Grey Wagtail | 1      | 13                     | 0      | 13     | 0      | 0      | lakes and ponds and improved grassland; travelling                                             | LDV      |
| GL005 | VP2 | 19/06/2024 | 13:12        | Grey Wagtail | 1      | 37                     | 0      | 37     | 0      | 0      | improved grassland; travelling                                                                 | LDV      |
| GL006 | VP2 | 12/03/2025 | 07:57        | Grey Wagtail | 1      | -                      | -      | -      | -      | -      | turloughs; perched, singing, perched on fence post in front of vp before dropping out of sight | PDC      |
| GL007 | VP2 | 12/03/2025 | 10:09        | Grey Wagtail | 1      | 11                     | 11     | 0      | 0      | 0      | turloughs; travelling, calling, dropped into undergrowth                                       | PDC      |

Table 7 - 4 - 14 Grey wagtail winter walkover survey data

| Ref.  | Date       | Time  | Transect | Species      | Number | Habitat and activity                                   | Surveyor |
|-------|------------|-------|----------|--------------|--------|--------------------------------------------------------|----------|
| GL001 | 01/11/2024 | 13:28 | T1       | Grey Wagtail | 1      | drainage ditches and hedgerows; travelling (wintering) | LDV      |

Table 7 - 4 - 15 Grey wagtail breeding walkover survey data

| Ref.  | Date       | Time  | Transect | Species      | Number | Habitat and activity                                                       | Surveyor |
|-------|------------|-------|----------|--------------|--------|----------------------------------------------------------------------------|----------|
| GL001 | 22/05/2024 | 07:52 | T1       | Grey Wagtail | 1      | improved grassland and hedgerows; calling (singing male; possible breeder) | LDV      |



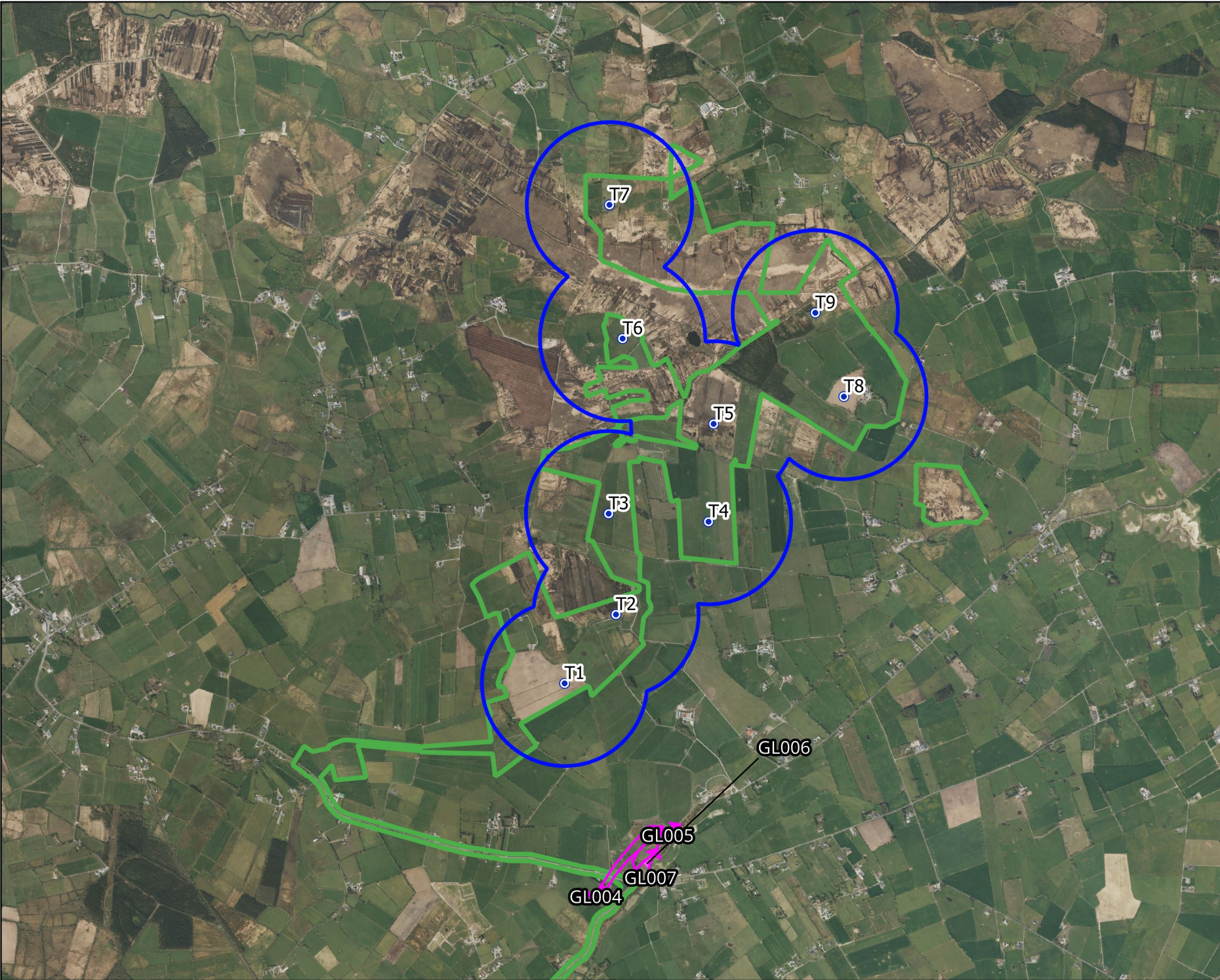
Table 7 - 4 - 16 Grey wagtail waterbird distribution and abundance survey data

| Ref.  | Location         | Date       | Time  | Species      | Number | Habitat and activity                       | Surveyor |
|-------|------------------|------------|-------|--------------|--------|--------------------------------------------|----------|
| GL001 | Gilkagh bridge   | 18/04/2024 | 11:54 | Grey Wagtail | 1      | depositing/lowland rivers; flying, perched | LDV      |
| GL002 | Cloonkeen bridge | 02/05/2024 | 09:13 | Grey Wagtail | 1      | eroding/upland rivers; perched             | LDV      |
| GL003 | Newtown bridge   | 19/09/2024 | 09:44 | Grey Wagtail | 1      | eroding/upland rivers; foraging            | CG       |
| GL004 | Gilkagh bridge   | 23/10/2024 | 08:40 | Grey Wagtail | 1      | depositing/lowland rivers; travelling      | LDV      |

Table 7 - 4 - 17 Grey wagtail incidental records

| Ref.  | Location                     | Date       | Time  | Species      | Number | Habitat and activity                                         | Surveyor |
|-------|------------------------------|------------|-------|--------------|--------|--------------------------------------------------------------|----------|
| GL001 | Breeding Raptor Survey; BR10 | 04/04/2024 | 14:13 | Grey Wagtail | 1      | watercourses and mixed broadleaved woodland; travelling      | LDV      |
| GL002 | Breeding Raptor Survey; BR10 | 04/04/2024 | 14:59 | Grey Wagtail | 2      | watercourses; travelling, calling                            | LDV      |
| GL003 | Breeding Raptor Survey; BR10 | 24/06/2024 | 12:18 | Grey Wagtail | 1      | improved grassland and eroding/upland rivers; travelling     | LDV      |
| GL004 | Breeding Raptor Survey; BR10 | 24/06/2024 | 13:34 | Grey Wagtail | 1      | improved grassland and eroding/upland rivers; travelling     | LDV      |
| GL005 | Breeding Raptor Survey; BR10 | 24/06/2024 | 14:30 | Grey Wagtail | 2      | eroding/upland rivers and improved grassland; travelling     | LDV      |
| GL006 | Breeding Raptor Survey; BR8  | 04/07/2024 | 15:35 | Grey Wagtail | 1      | drainage ditches; travelling                                 | LDV      |
| GL007 | Breeding Raptor Survey; BR10 | 25/07/2024 | 11:57 | Grey Wagtail | 1      | eroding/upland rivers and semi-natural grassland; travelling | LDV      |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



|                                                                                                                                                                                 |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                   |             |
| Grey Wagtail<br>Vantage Point Survey                                                                                                                                            |             |
| Project Title                                                                                                                                                                   |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                    |             |
| Drawn By                                                                                                                                                                        | Checked By  |
| SD                                                                                                                                                                              | PC          |
| Project No.                                                                                                                                                                     | Drawing No. |
| 190723-m                                                                                                                                                                        | Fig 7-4-13  |
| Scale                                                                                                                                                                           | Date        |
| 1:30,000                                                                                                                                                                        | 2025.09.18  |
| MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Grey Wagtail<br>Winter Walkover Survey                                                                                                                                                                                                                                   |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-14  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:27,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VW84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





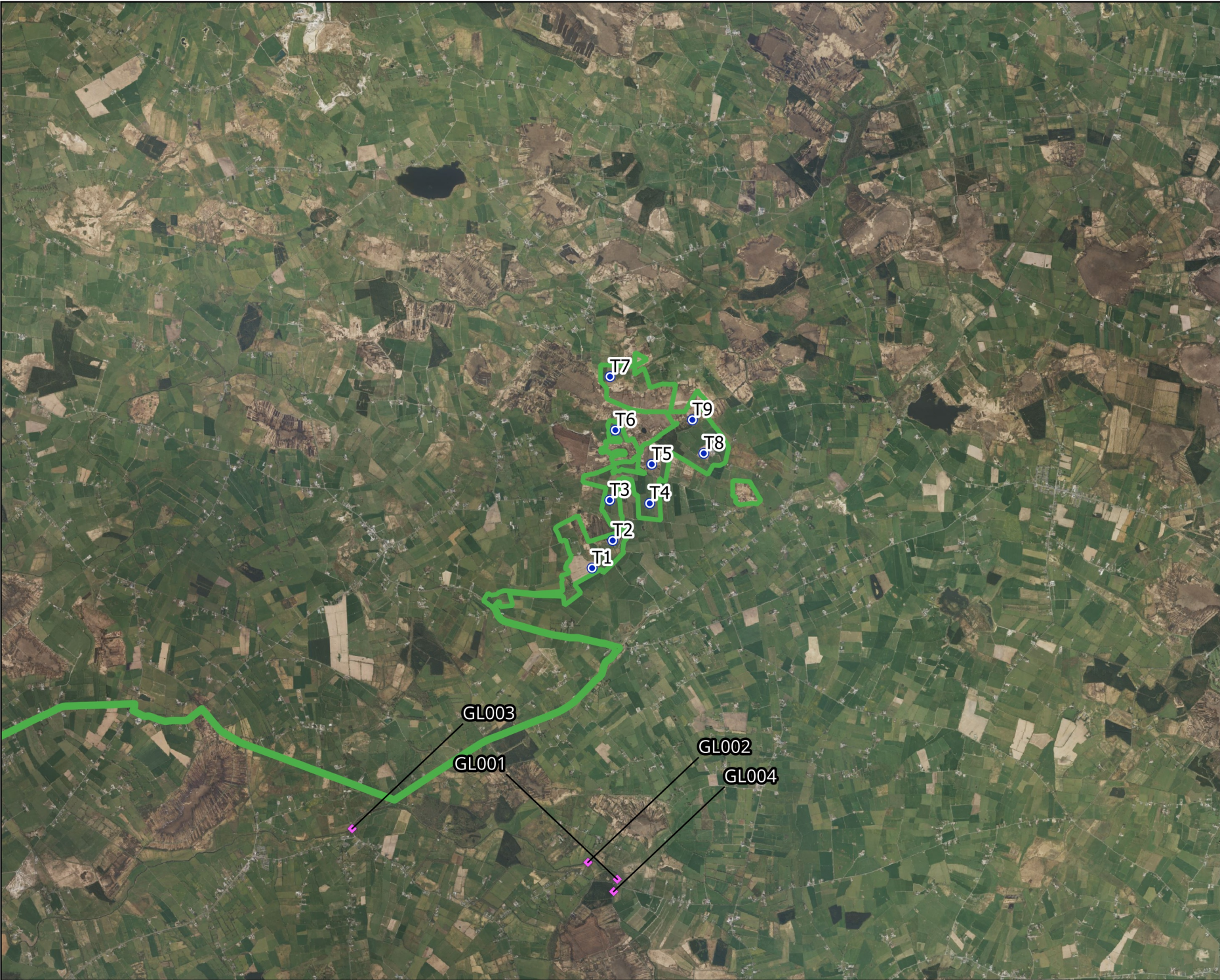
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Grey Wagtail<br>Breeding Walkover Survey                                                                                                                                                                                                                                                 |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Coolool Wind Farm, Co. Galway                                                                                                                                                                                                                                                            |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-15  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:22,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VW84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |





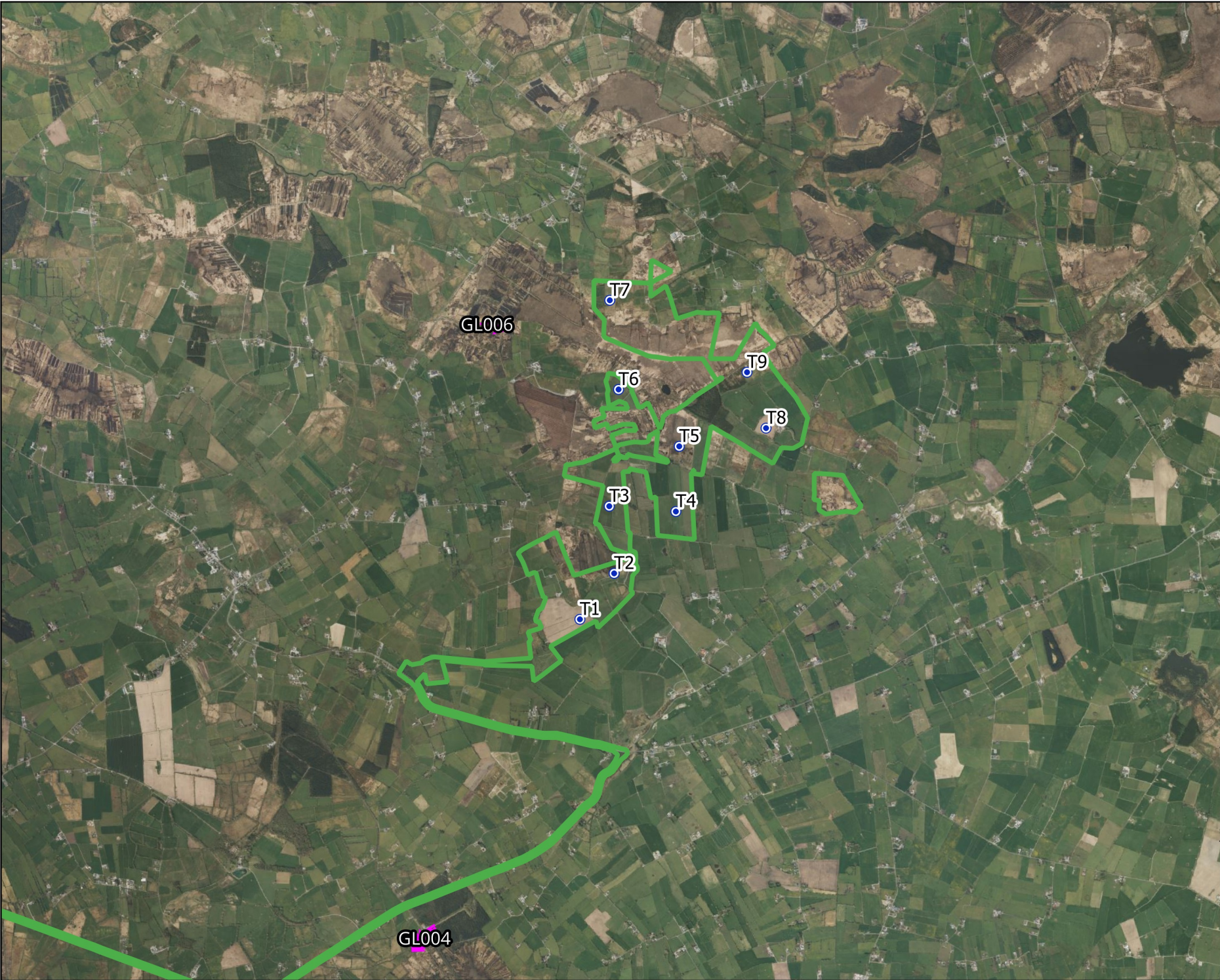
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Grey Wagtail<br>Waterbird Distribution and Abundance<br>Survey                                                                                                                                                                                                           |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-16  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:75,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Grey Wagtail<br>Incidental Records                                                                                                                                                                                                                                                       |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-17  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:45,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |



7.

# GOLDEN PLOVER

Table 7 - 4 - 18 Golden plover waterbird distribution and abundance survey data

| Ref.  | Location               | Date       | Time  | Species       | Number | Habitat and activity                                                                                                                                                                                                                                               | Surveyor |
|-------|------------------------|------------|-------|---------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| GP001 | Gorteenlahard Turlough | 22/10/2019 | 11:30 | Golden Plover | 800    | improved agricultural grassland, wet grassland and turloughs; flying , big flock over improved agricultural grassland and turlough, ascending/descending                                                                                                           | MP       |
| GP002 | Gorteenlahard Turlough | 22/10/2019 | 11:45 | Golden Plover | 60     | wet grassland and turloughs; terrestrial feeding/roosting, feeding on small islands within turlough or in nearby grasslands along with lapwing                                                                                                                     | MP       |
| GP003 | Gorteenlahard Turlough | 22/10/2019 | 12:15 | Golden Plover | 140    | improved agricultural grassland, wet grassland and turloughs; flying , flock flying over flooded area with couple of lapwing (5-6)                                                                                                                                 | MP       |
| GP004 | Derrinacrick lough     | 22/10/2019 | 13:15 | Golden Plover | 150    | lowland blanket bog and cutover bog; flying , flock flying over bog/cutbog                                                                                                                                                                                         | MP       |
| GP005 | Gorteenlahard turlough | 06/11/2019 | 11:30 | Golden Plover | 500    | turloughs, improved agricultural grassland and wet grassland; flying , flock of 400-500 flying over turlough and grassland, c.30 landed with lapwing                                                                                                               | MP       |
| GP006 | Levally Lough          | 06/11/2019 | 14:00 | Golden Plover | 20     | limestone/marl lakes and wet grassland; flying , flying south west                                                                                                                                                                                                 | MP       |
| GP007 | Gorteenlahard turlough | 20/11/2019 | 12:30 | Golden Plover | 60     | turloughs and wet grassland; flying, feeding, roosting, small flock circling over turlough. landed on bank                                                                                                                                                         | MP       |
| GP008 | Levally Lough          | 20/11/2019 | 14:15 | Golden Plover | 300    | limestone/marl lakes and wet grassland; terrestrial feeding/roosting, first spotted on bank with lapwing, more golden plover progressively landing. after 15min, all took off and circled over lough, some went north east, some landed again on bank/small island | MP       |
| GP009 | Levally Lough          | 05/12/2019 | 13:30 | Golden Plover | 15     | limestone/marl lakes; terrestrial feeding/roosting, roosting with lapwing on small stretch of grass                                                                                                                                                                | MP       |
| GP010 | Levally Lough          | 05/12/2019 | 14:00 | Golden Plover | 130    | limestone/marl lakes; terrestrial feeding/roosting, on same small island                                                                                                                                                                                           | MP       |
| GP011 | Horseleap Lough        | 19/12/2019 | 10:45 | Golden Plover | 300    | habitat not recorded; flying , circling over grassland at potential collision height and 15-25 then flew east out of sight                                                                                                                                         | MP       |
| GP012 | Levally Lough          | 19/12/2019 | 14:00 | Golden Plover | 600    | limestone/marl lakes; terrestrial feeding/roosting, north east of lough and circling over lough                                                                                                                                                                    | MP       |
| GP013 | Horseleap Lough        | 15/01/2020 | 11:00 | Golden Plover | 50     | bogs and improved agricultural grassland; flying , circling over grassland and bog                                                                                                                                                                                 | MP       |
| GP014 | Levally Lough          | 15/01/2020 | 13:45 | Golden Plover | 3      | limestone/marl lakes and improved agricultural grassland; flying, feeding, roosting, 3 golden plover spotted with lapwing flock                                                                                                                                    | MP       |

| Ref.  | Location               | Date       | Time         | Species       | Number | Habitat and activity                                                                                   | Surveyor |
|-------|------------------------|------------|--------------|---------------|--------|--------------------------------------------------------------------------------------------------------|----------|
| GP015 | Levally Lough          | 28/01/2020 | 15:00        | Golden Plover | 200    | improved agricultural grassland; terrestrial feeding/roosting, on grassland, with flock of lapwing     | MP       |
| GP016 | Levally Lough          | 28/04/2020 | not recorded | Golden Plover | 1      | turloughs; flying, heard calling                                                                       | JK       |
| GP017 | Levally Lough          | 23/10/2020 | 09:30        | Golden Plover | 35     | turloughs; flying                                                                                      | JK       |
| GP018 | Levally Lough          | 06/11/2020 | 12:02        | Golden Plover | 14     | turloughs; flying                                                                                      | JK       |
| GP019 | Levally Lough          | 17/11/2020 | 13:56        | Golden Plover | 570    | turloughs; flying and loafing                                                                          | JK       |
| GP020 | Gurteenlahard turlough | 17/11/2020 | 14:32        | Golden Plover | 450    | turloughs; loafing                                                                                     | JK       |
| GP021 | Horseleap Lough        | 08/12/2020 | not recorded | Golden Plover | 43     | improved agricultural grassland; two flocks, 13 dropped to fields, mapped: flights 2 (c.30) and 3 (13) | PT       |
| GP022 | Cooloo Mountain        | 08/12/2020 | not recorded | Golden Plover | 29     | improved agricultural grassland; feeding, mapped: location 6                                           | PT       |
| GP023 | Gorteenlahard Turlough | 08/12/2020 | not recorded | Golden Plover | 109    | improved agricultural grassland; roosting, map location 7                                              | PT       |
| GP024 | Levally Lough          | 08/12/2020 | not recorded | Golden Plover | 1      | habitat not recorded; flying                                                                           | PT       |
| GP025 | Levally Lough          | 22/12/2020 | not recorded | Golden Plover | 25     | grassland and marsh; roosting, mapped location 1                                                       | PT       |
| GP026 | Gorteenlahard Turlough | 22/12/2020 | not recorded | Golden Plover | 350    | improved agricultural grassland; roosting, preening, feeding, map location 5                           | PT       |
| GP027 | Levally Lough          | 07/01/2021 | 11:32        | Golden Plover | 3      | improved agricultural grassland; terrestrial                                                           | JK       |
| GP028 | Gurteenlahard turlough | 29/01/2021 | 15:05        | Golden Plover | 68     | turloughs; terrestrial                                                                                 | JK       |
| GP029 | Levally Lough          | 29/01/2021 | 16:36        | Golden Plover | 23     | turloughs; terrestrial, mixed in with lapwings                                                         | JK       |
| GP030 | Levally Lough          | 24/02/2021 | 15:02        | Golden Plover | 7      | turloughs; terrestrial                                                                                 | JK       |
| GP031 | Levally Lough          | 10/11/2021 | 14:03        | Golden Plover | 46     | turloughs; flying, mixed with lapwing. foraging in fields to south                                     | JK       |
| GP032 | Gurteenlahard turlough | 10/11/2021 | 14:57        | Golden Plover | 427    | turloughs; loafing                                                                                     | JK       |
| GP033 | Levally Lough          | 23/11/2021 | 13:43        | Golden Plover | 740    | turloughs; flying                                                                                      | JK       |



| Ref.  | Location               | Date       | Time  | Species       | Number | Habitat and activity                                                          | Surveyor |
|-------|------------------------|------------|-------|---------------|--------|-------------------------------------------------------------------------------|----------|
| GP034 | Gurteenlahard turlough | 23/11/2021 | 14:27 | Golden Plover | 27     | turloughs; terrestrial                                                        | JK       |
| GP035 | Levally Lough          | 03/12/2021 | 13:16 | Golden Plover | 80     | turloughs and improved agricultural grassland; terrestrial loafing            | JK       |
| GP036 | Levally Lough          | 16/12/2021 | 14:49 | Golden Plover | 60     | turloughs; terrestrial                                                        | JK       |
| GP037 | Levally Lough          | 11/01/2022 | 13:16 | Golden Plover | 1500   | turloughs and improved agricultural grassland; flying, terrestrial            | JK       |
| GP038 | Gurteenlahard turlough | 11/01/2022 | 14:23 | Golden Plover | 45     | turloughs; terrestrial                                                        | JK       |
| GP039 | Levally Lough          | 26/01/2022 | 14:10 | Golden Plover | 15     | turloughs; terrestrial                                                        | JK       |
| GP040 | Levally Lough          | 03/02/2022 | 12:09 | Golden Plover | 29     | turloughs; terrestrial                                                        | JK       |
| GP041 | Summerville lough      | 03/02/2022 | 12:57 | Golden Plover | 10     | mesotrophic lakes; flying                                                     | JK       |
| GP042 | Levally Lough          | 17/02/2022 | 16:28 | Golden Plover | 4      | turloughs; terrestrial                                                        | JK       |
| GP043 | Gurteenlahard turlough | 02/03/2022 | 10:11 | Golden Plover | 62     | turloughs and improved agricultural grassland; flying, circling               | ZE       |
| GP044 | Derrynagran            | 15/03/2022 | 11:29 | Golden Plover | 600    | improved agricultural grassland and conifer plantation; flying, circling      | ZE       |
| GP045 | Gorteelahard turlough  | 01/11/2023 | 12:49 | Golden Plover | 60     | turloughs; roosting                                                           | LDV      |
| GP046 | Levally Lough          | 21/11/2023 | 12:07 | Golden Plover | 15     | wet grassland and lakes and ponds; roosting near water                        | LDV      |
| GP047 | Levally Lough          | 05/12/2023 | 09:44 | Golden Plover | 5      | lakes and ponds and improved grassland; roosting on bank, mixed with lapwings | LDV      |
| GP048 | Gorteelahard turlough  | 05/12/2023 | 11:26 | Golden Plover | 2      | improved grassland and turloughs; roosting                                    | LDV      |
| GP049 | Carrownabo turlough    | 05/12/2023 | 12:00 | Golden Plover | 20     | turloughs and improved grassland; roosting on bank                            | LDV      |
| GP050 | Laughil                | 05/12/2023 | 12:02 | Golden Plover | 36     | improved grassland; foraging in field                                         | LDV      |
| GP051 | Levally Lough          | 19/12/2023 | 10:11 | Golden Plover | 23     | turloughs; flying                                                             | LDV      |
| GP052 | Gorteelahard turlough  | 19/12/2023 | 11:59 | Golden Plover | 800    | turloughs; flying around, sometimes roosting on banks                         | LDV      |
| GP053 | Gorteelahard turlough  | 04/01/2024 | 12:27 | Golden Plover | 15     | turloughs; roosting, mixed with lapwings                                      | LDV      |
| GP054 | Carrownabo turlough    | 04/01/2024 | 14:05 | Golden Plover | 500    | turloughs; roosting                                                           | LDV      |
| GP055 | Carrownabo turlough    | 23/01/2024 | 11:46 | Golden Plover | 38     | turloughs; flying                                                             | LDV      |
| GP056 | Carrowkeel             | 23/01/2024 | 12:16 | Golden Plover | 400    | improved grassland; roosting                                                  | LDV      |
| GP057 | Gurteenlahard turlough | 07/02/2024 | 11:57 | Golden Plover | 500    | turloughs and improved grassland; roosting, flying                            | LDV      |
| GP058 | Carrownabo turlough    | 07/02/2024 | 12:42 | Golden Plover | 300    | improved grassland and turloughs; roosting, flying                            | LDV      |
| GP059 | Carrownabo turlough    | 20/02/2024 | 13:19 | Golden Plover | 430    | turloughs; roosting, flying, 2 flocks                                         | LDV      |
| GP060 | Levally lough          | 23/10/2024 | 10:14 | Golden Plover | 500    | turloughs; travelling, roosting                                               | LDV      |
| GP061 | Barnaderg              | 13/11/2024 | 10:48 | Golden Plover | 3      | turloughs; travelling, landing, foraging                                      | LDV      |
| GP062 | Levally lough          | 13/11/2024 | 11:13 | Golden Plover | 70     | turloughs and improved agricultural grassland; circling, foraging             | LDV      |
| GP063 | Horseleap              | 26/11/2024 | 11:12 | Golden Plover | 35     | improved agricultural grassland; foraging, with lapwings                      | LDV      |
| GP064 | Horseleap              | 26/11/2024 | 11:14 | Golden Plover | 150    | improved agricultural grassland; foraging, with lapwings                      | LDV      |

| Ref.  | Location               | Date       | Time  | Species       | Number | Habitat and activity                                                                                                                         | Surveyor |
|-------|------------------------|------------|-------|---------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------|----------|
| GP065 | Gurteenlahard turlough | 26/11/2024 | 13:15 | Golden Plover | 80     | turloughs; roosting                                                                                                                          | LDV      |
| GP066 | Levally Lough          | 06/12/2024 | 09:49 | Golden Plover | 296    | turloughs; resting, foraging                                                                                                                 | PDC      |
| GP067 | Gurteenlahard Turlough | 06/12/2024 | 11:17 | Golden Plover | 102    | turloughs; foraging                                                                                                                          | PDC      |
| GP068 | Levally lough          | 16/12/2024 | 12:21 | Golden Plover | 2000   | lakes and ponds and improved agricultural grassland; circling, multiple sub flocks of several hundreds, sometimes roosting on shore of lough | LDV      |
| GP069 | Gurteenlahard turlough | 16/12/2024 | 13:41 | Golden Plover | 100    | turloughs; roosting                                                                                                                          | LDV      |
| GP070 | Gurteenlahard turlough | 09/01/2025 | 14:01 | Golden Plover | 11     | improved agricultural grassland; foraging                                                                                                    | LDV      |
| GP071 | Levally lough          | 29/01/2025 | 14:28 | Golden Plover | 150    | lakes and ponds; roosting                                                                                                                    | LDV      |
| GP072 | Cappadavock            | 25/02/2025 | 11:04 | Golden Plover | 120    | improved agricultural grassland; travelling, came up with lapwing. dropped before i had counted them accurately so count is best estimate.   | PDC      |
| GP073 | Levally lough          | 28/03/2025 | 16:10 | Golden Plover | 70     | lakes and ponds; circling, roosting                                                                                                          | LDV      |

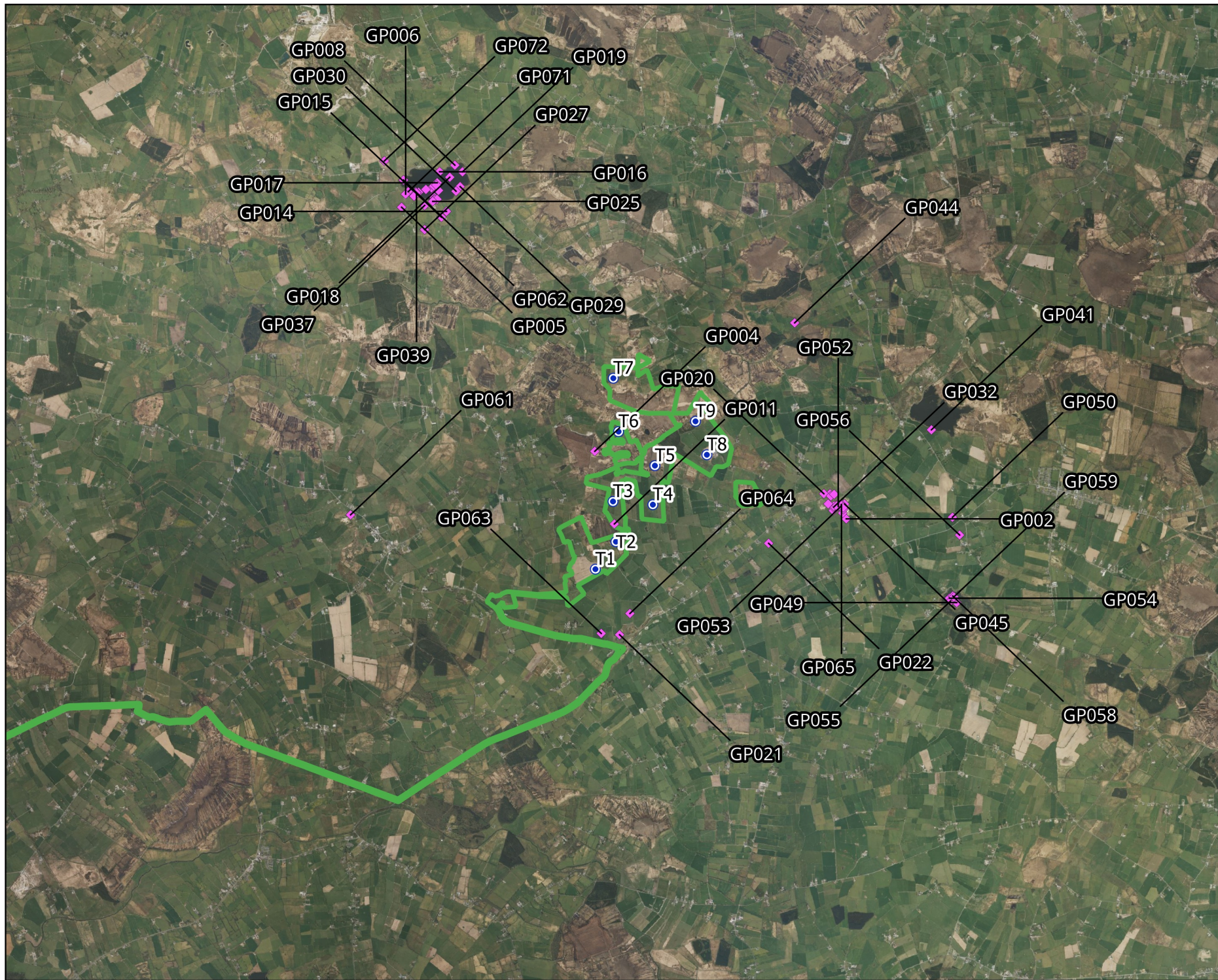
Table 7 - 4 - 19 Golden plover incidental records

| Ref.  | Location                              | Date       | Time  | Species       | Number | Habitat and activity                                                                         | Surveyor |
|-------|---------------------------------------|------------|-------|---------------|--------|----------------------------------------------------------------------------------------------|----------|
| GP001 | Hen Harrier Roost Survey; HHVP4       | 31/10/2019 | 16:02 | Golden Plover | 15     | lowland blanket bog; flying over bog toward south-east                                       | MP       |
| GP002 | Hen Harrier Roost Survey; HHVP4       | 14/10/2020 | 18:54 | Golden Plover | 13     | cutover bog; flying, first observed at potential collision height, lost view close to ground | JK       |
| GP003 | Hen Harrier Roost Survey; HHVP2       | 18/12/2020 | 16:35 | Golden Plover | 1      | habitat not recorded; heard only, location uncertain. not mapped                             | PT       |
| GP004 | Breeding Raptor Survey; BR1           | 12/04/2021 | 08:17 | Golden Plover | 85     | freshwater and conifer plantation; flying                                                    | JK       |
| GP005 | Hen Harrier Roost Survey; HHVP4       | 13/10/2021 | 18:48 | Golden Plover | 1      | cutover bog; travelling                                                                      | JK       |
| GP006 | Hen Harrier Roost Survey; HHVP1       | 21/10/2021 | 17:35 | Golden Plover | 3      | cutover bog; flying at potential collision height                                            | JK       |
| GP007 | Hen Harrier Roost Survey; HHVP1       | 21/10/2021 | 18:10 | Golden Plover | 18     | cutover bog; flying at potential collision height                                            | JK       |
| GP008 | Hen Harrier Roost Survey; HHVP1       | 21/10/2021 | 18:25 | Golden Plover | 8      | cutover bog; flying at potential collision height                                            | JK       |
| GP009 | Vantage Point Survey; Horseleap lough | 09/11/2021 | 14:01 | Golden Plover | 147    | improved agricultural grassland; foraging                                                    | JK       |



| Ref.  | Location                              | Date       | Time  | Species       | Number | Habitat and activity                                                                     | Surveyor |
|-------|---------------------------------------|------------|-------|---------------|--------|------------------------------------------------------------------------------------------|----------|
| GP010 | Hen Harrier Roost Survey;<br>Corralea | 09/10/2023 | 17:37 | Golden Plover | 60     | improved grassland; flying, approximate number                                           | LDV      |
| GP011 | Hen Harrier Roost Survey;<br>Corralea | 09/10/2023 | 18:16 | Golden Plover | 170    | improved grassland; flying, approximate number                                           | LDV      |
| GP012 | Hen Harrier Roost Survey;<br>HHVP4    | 19/10/2023 | 18:00 | Golden Plover | 100    | improved grassland and bogs; flying                                                      | LDV      |
| GP013 | Hen Harrier Roost Survey;<br>HHVP4    | 19/10/2023 | 18:55 | Golden Plover | 150    | improved grassland and bogs; flying                                                      | LDV      |
| GP014 | Hen Harrier Roost Survey;<br>HHVP1    | 07/12/2023 | 15:14 | Golden Plover | 240    | improved grassland; travelling                                                           | LDV      |
| GP015 | Hen Harrier Roost Survey;<br>HHVP4    | 20/02/2024 | 16:57 | Golden Plover | 2500   | bogs and improved grassland; flying, huge flock of multiple smaller groups of 300+ birds | LDV      |
| GP016 | Breeding Raptor Survey; BR8           | 03/04/2024 | 12:36 | Golden Plover | 47     | bogs and improved grassland; travelling                                                  | LDV      |





- Map Legend
-  EIAR Site Boundary
  -  Turbine Locations
  -  Species Record



Drawing Title  
Golden Plover  
Waterbird Distribution and Abundance  
Survey

Project Title  
Cooloo Wind Farm, Co. Galway

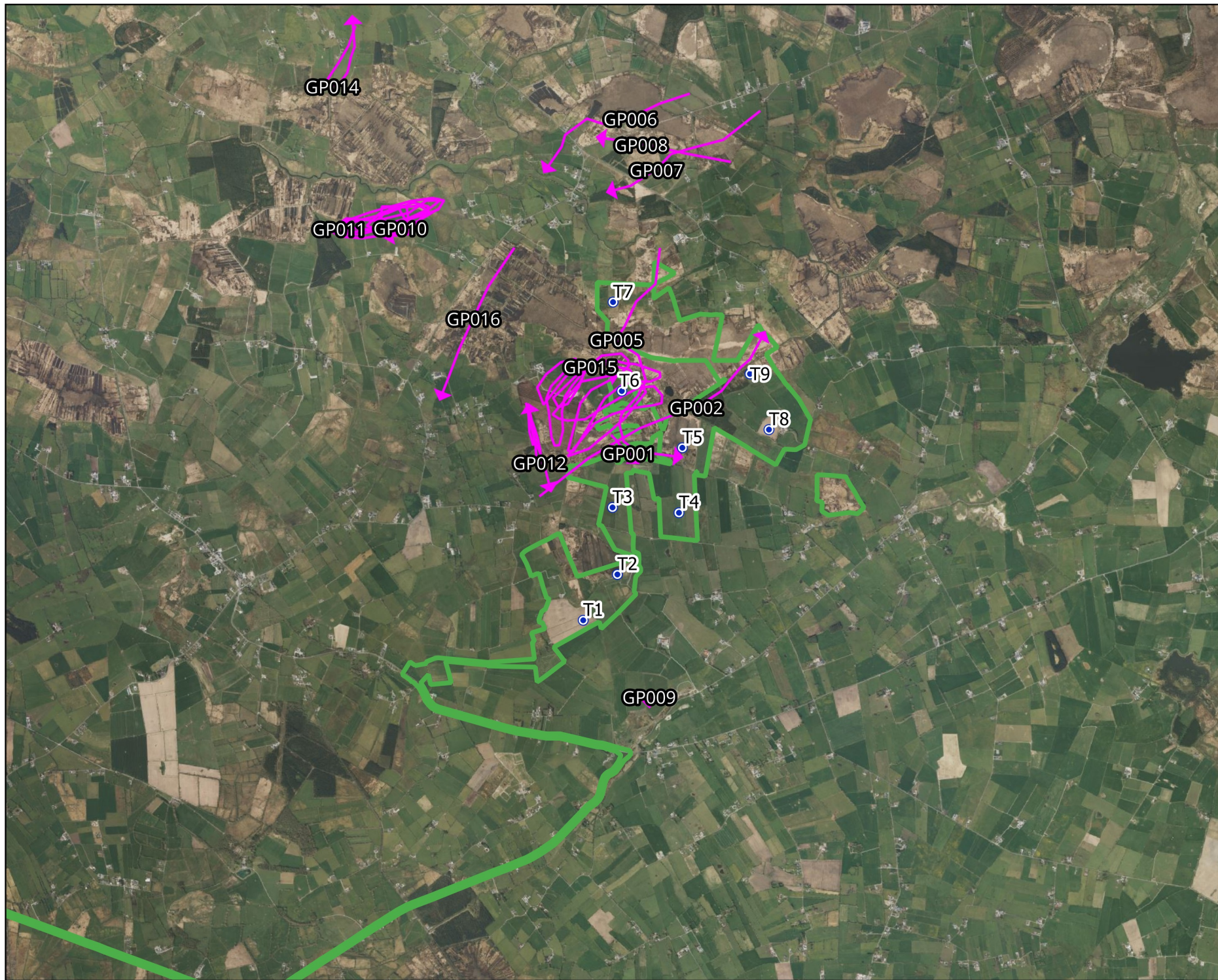
|                |                  |
|----------------|------------------|
| Drawn By<br>SD | Checked By<br>PC |
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|                         |                           |
|-------------------------|---------------------------|
| Project No.<br>190723-m | Drawing No.<br>Fig 7-4-18 |
|-------------------------|---------------------------|

|                   |                    |
|-------------------|--------------------|
| Scale<br>1:75,000 | Date<br>2025.09.18 |
|-------------------|--------------------|

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#### Map Legend

- EIAR Site Boundary
- Turbine Locations
- Species Record



Drawing Title

**Golden Plover  
Incidental Records**

Project Title

**Cooloo Wind Farm, Co. Galway**

Drawn By

**SD**

Checked By

**PC**

Project No.

**190723-m**

Drawing No.

**Fig 7-4-19**

Scale

**1:45,000**

Date

**2025.09.18**



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8.

## HEN HARRIER

Table 7 - 4 - 20 Hen harrier winter walkover data

| Ref.  | Date       | Time  | Transect    | Species     | Number | Habitat and activity                                                                                                                       | Surveyor |
|-------|------------|-------|-------------|-------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------|----------|
| HH001 | 20/12/2019 | 14:41 | 500M RADIUS | Hen Harrier | 1      | bogs and wet grassland; height 0-15, 50s, hunting over scrub/bog, changing directions. out of sight when she flew down to hunt (wintering) | MP       |
| HH002 | 03/03/2022 | 11:33 | 500M RADIUS | Hen Harrier | 1      | improved agricultural grassland and bogs; flying, circling, hunting, ringtail, circled by hooded crow for a while (wintering)              | ZE       |

Table 7 - 4 - 21 Hen harrier incidental records

| Ref.  | Location                                                        | Date       | Time  | Species     | Number | Habitat and activity                                                                                   | Surveyor |
|-------|-----------------------------------------------------------------|------------|-------|-------------|--------|--------------------------------------------------------------------------------------------------------|----------|
| HH001 | Waterbird Distribution and Abundance Survey; Derrynacrick Lough | 22/10/2019 | 12:40 | Hen Harrier | 1      | lowland blanket bog, cutover bog and scrub; flying , female hunting over bog/scrub. height<10 for 2s   | MP       |
| HH002 | Waterbird Distribution and Abundance Survey; Derrynacrick Lough | 22/10/2019 | 13:10 | Hen Harrier | 1      | lowland blanket bog, cutover bog and scrub; flying , female hunting over bog/scrub. height <10 for 40s | MP       |
| HH003 | Vantage Point Survey; Near HHVP4                                | 19/10/2021 | 10:32 | Hen Harrier | 1      | dry calcareous and neutral grassland; hunting, adult female                                            | JK       |
| HH004 | Waterbird Distribution and Abundance Survey; On site            | 29/09/2023 | 12:11 | Hen Harrier | 1      | bogs; hunting, ringtail hunting low over bog                                                           | ZOC      |
| HH005 | Vantage Point Survey; Trasternagh                               | 08/10/2024 | 13:16 | Hen Harrier | 1      | improved grassland; flushed, ringtail, flushed while driving to vp3, flew in the direction of the site | LDV      |





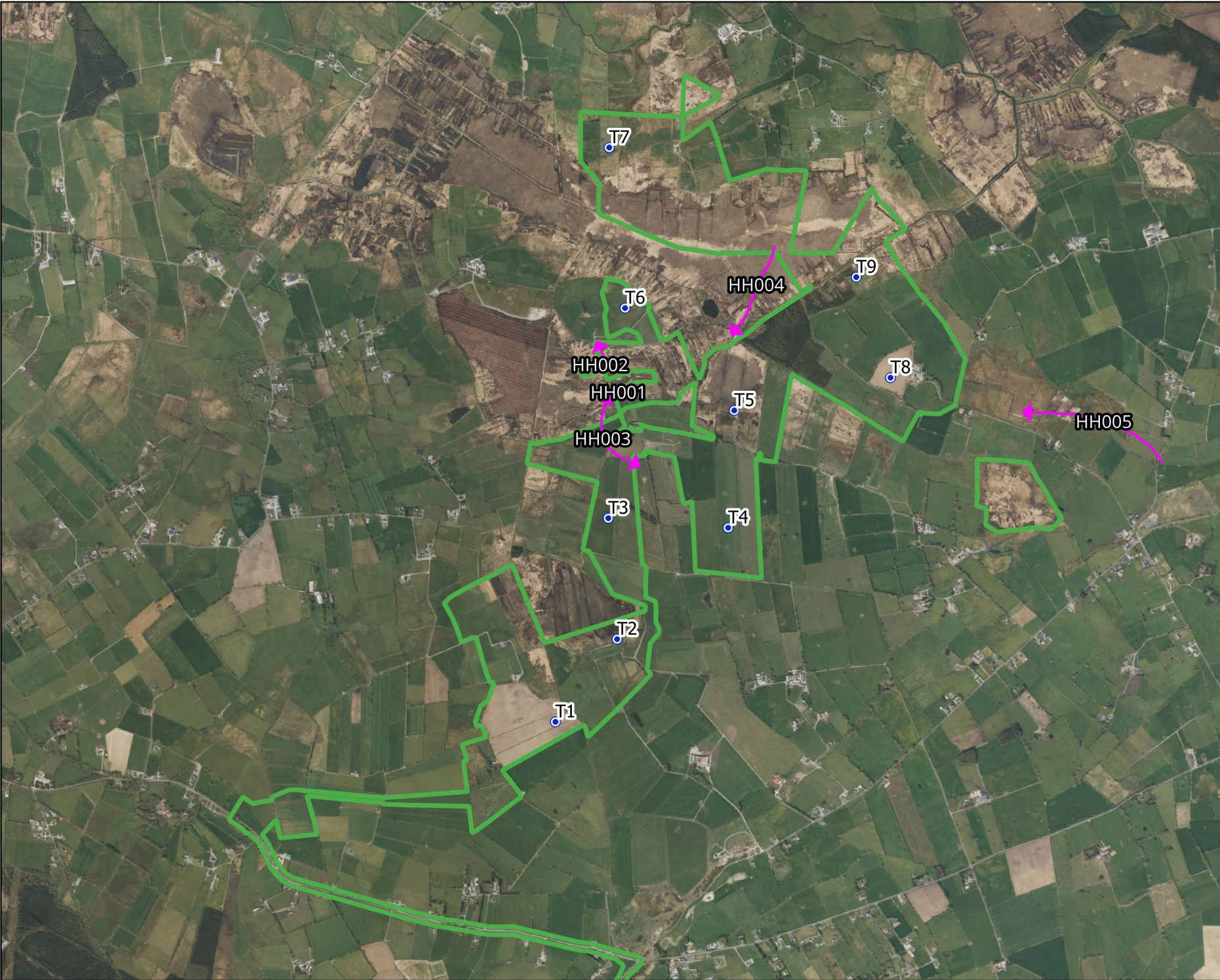
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Hen Harrier<br>Winter Walkover Survey                                                                                                                                                                                                                                    |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-20  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:22,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Hen Harrier<br>Incidental Records                                                                                                                                                                                                                                        |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-21  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:25,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VW84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |



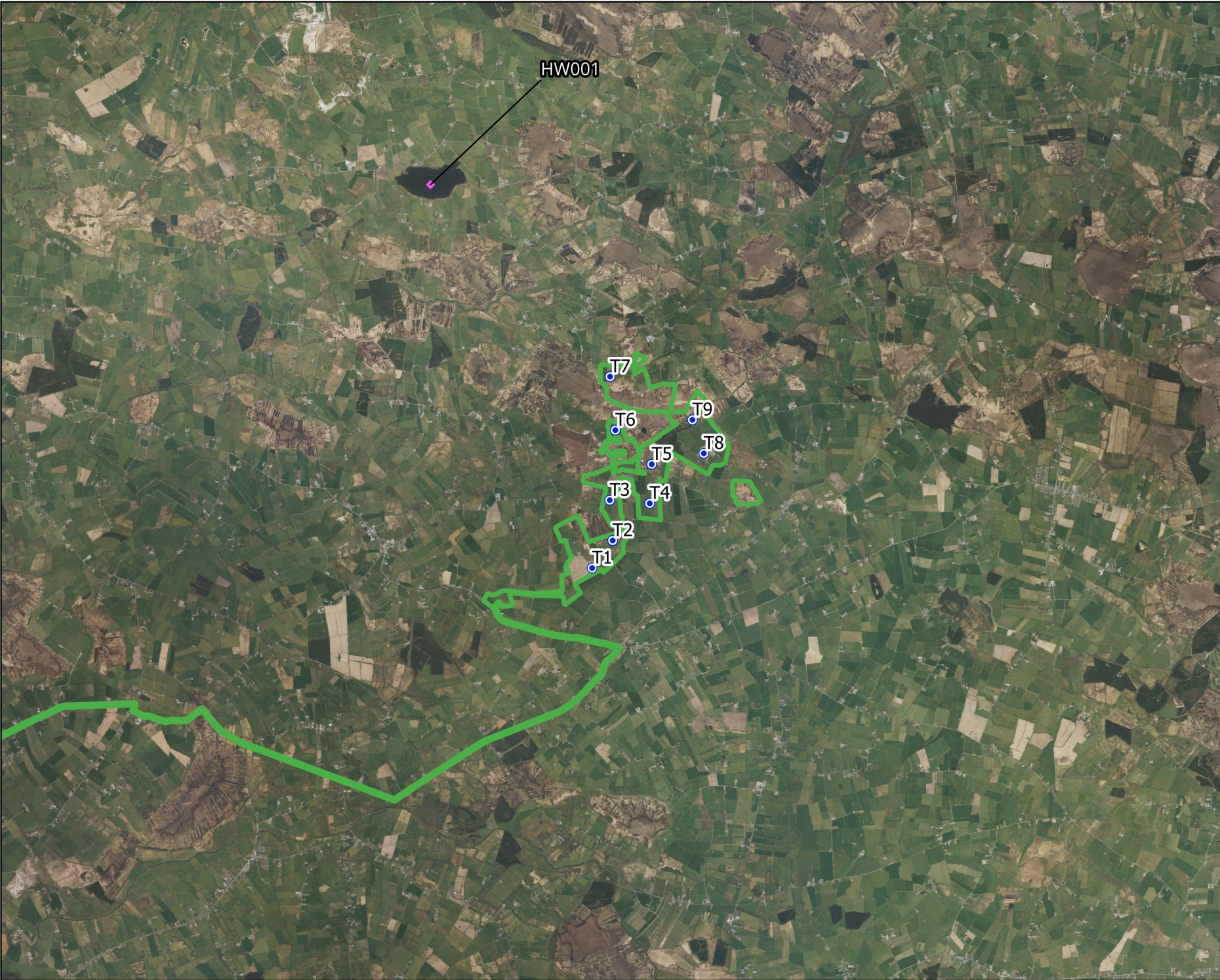
9.

## GREAT WHITE EGRET

Table 7 - 4 - 22 Great white egret waterbird distribution and abundance survey data

| Ref.  | Location      | Date       | Time  | Species           | Number | Habitat and activity | Surveyor |
|-------|---------------|------------|-------|-------------------|--------|----------------------|----------|
| HW001 | Levally lough | 13/11/2024 | 11:11 | Great White Egret | 1      | turloughs; foraging  | LDV      |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Great White Egret<br>Waterbird Distribution and Abundance<br>Survey                                                                                                                                                                                                      |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-22  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:75,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |



10.

## KESTREL

Table 7 - 4 - 23 Kestrel winter walkover survey data

| Ref.  | Date       | Time  | Transect    | Species | Number | Habitat and activity                                                                                                                                                                                                                           | Surveyor |
|-------|------------|-------|-------------|---------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| K.001 | 11/10/2019 | 10:00 | 500M RADIUS | Kestrel | 1      | improved agricultural grassland; hunting (wintering)                                                                                                                                                                                           | MP       |
| K.002 | 16/01/2020 | 13:45 | 500M RADIUS | Kestrel | 1      | bogs; potential collision height, height <15, 60s. kestrel chasing peregrine falcon in the air. peregrine falcon landed on bog. kestrel continued to attack it from the air a couple of times before flying off east, unsuccessful (wintering) | MP       |
| K.003 | 04/03/2020 | 11:55 | 500M RADIUS | Kestrel | 1      | lowland blanket bog; spotted perched on tree overlooking bog (wintering)                                                                                                                                                                       | MP       |
| K.004 | 01/02/2022 | 15:19 | 500M RADIUS | Kestrel | 1      | cutover bog; hunting (wintering)                                                                                                                                                                                                               | JK       |
| K.005 | 03/03/2022 | 15:49 | 500M RADIUS | Kestrel | 1      | bogs; hunting, female perched on tree, hovered over the bog and dived into the bog vegetation (wintering)                                                                                                                                      | ZE       |
| K.006 | 14/11/2023 | 10:54 | 500M RADIUS | Kestrel | 1      | improved grassland and bogs; hunting (wintering)                                                                                                                                                                                               | LDV      |
| K.007 | 07/03/2024 | 12:19 | 500M RADIUS | Kestrel | 1      | improved grassland, bogs and semi-natural woodland; hunting (wintering)                                                                                                                                                                        | LDV      |
| K.008 | 07/03/2024 | 12:20 | 500M RADIUS | Kestrel | 1      | bogs; hunting (wintering)                                                                                                                                                                                                                      | LDV      |
| K.009 | 07/03/2024 | 14:04 | 500M RADIUS | Kestrel | 1      | improved grassland; hunting (wintering)                                                                                                                                                                                                        | LDV      |
| K.010 | 07/03/2024 | 14:06 | 500M RADIUS | Kestrel | 1      | bogs; hunting, male (wintering)                                                                                                                                                                                                                | LDV      |
| K.011 | 07/03/2024 | 14:08 | 500M RADIUS | Kestrel | 1      | bogs; hunting (wintering)                                                                                                                                                                                                                      | LDV      |
| K.012 | 07/03/2024 | 15:45 | 500M RADIUS | Kestrel | 1      | bogs and improved grassland; travelling (wintering)                                                                                                                                                                                            | LDV      |
| K.013 | 07/03/2024 | 15:46 | 500M RADIUS | Kestrel | 1      | bogs and improved grassland; hunting, was joined by another kestrel (wintering)                                                                                                                                                                | LDV      |
| K.014 | 04/10/2024 | 12:19 | T1          | Kestrel | 2      | improved grassland and semi-natural woodland; hunting, perched, male and female, perched in the same tree (wintering)                                                                                                                          | LDV      |
| K.015 | 01/11/2024 | 10:56 | T1          | Kestrel | 1      | improved grassland and hedgerows; flushed, travelling (wintering)                                                                                                                                                                              | LDV      |

| Ref.  | Date       | Time  | Transect | Species | Number | Habitat and activity                                                          | Surveyor |
|-------|------------|-------|----------|---------|--------|-------------------------------------------------------------------------------|----------|
| K.016 | 01/11/2024 | 14:09 | T1       | Kestrel | 1      | improved grassland and hedgerows; flushed, perched (wintering)                | LDV      |
| K.017 | 01/11/2024 | 14:21 | T1       | Kestrel | 1      | improved grassland; travelling (wintering)                                    | LDV      |
| K.018 | 01/11/2024 | 14:32 | T1       | Kestrel | 1      | improved grassland and cutover bog; travelling (wintering)                    | LDV      |
| K.019 | 01/11/2024 | 14:48 | T1       | Kestrel | 1      | improved grassland and bogs; travelling (wintering)                           | LDV      |
| K.020 | 12/03/2025 | 12:41 | T1       | Kestrel | 2      | bogs; hunting, male and female (wintering)                                    | LDV      |
| K.021 | 12/03/2025 | 14:36 | T1       | Kestrel | 1      | scrub/transitional woodland; travelling, perched, perched on tree (wintering) | LDV      |
| K.022 | 12/03/2025 | 14:56 | T1       | Kestrel | 1      | bogs; hunting (wintering)                                                     | LDV      |

Table 7 - 4 - 24 Kestrel breeding walkover survey data

| Ref.  | Date       | Time  | Transect    | Species | Number | Habitat and activity                                                                        | Surveyor |
|-------|------------|-------|-------------|---------|--------|---------------------------------------------------------------------------------------------|----------|
| K.001 | 11/05/2020 | 13:45 | 500M RADIUS | Kestrel | 1      | cutover bog; hunting, adult male (breeding status not recorded)                             | JK       |
| K.002 | 28/04/2021 | 16:40 | 500M RADIUS | Kestrel | 1      | cutover bog; hunting, male (suitable nesting habitat; possible breeder)                     | JK       |
| K.003 | 05/07/2021 | 11:21 | 500M RADIUS | Kestrel | 1      | lowland blanket bog and conifer plantation; hunting, adult female (summering; non-breeding) | JK       |
| K.004 | 05/07/2021 | 11:29 | 500M RADIUS | Kestrel | 1      | cutover bog; hunting (suitable nesting habitat; possible breeder)                           | JK       |
| K.005 | 11/04/2024 | 11:45 | T1          | Kestrel | 1      | bogs and improved grassland; hunting (suitable nesting habitat; possible breeder)           | LDV      |
| K.006 | 11/04/2024 | 12:51 | T1          | Kestrel | 1      | bogs and improved grassland; hunting (suitable nesting habitat; possible breeder)           | LDV      |
| K.007 | 23/07/2024 | 09:27 | T1          | Kestrel | 1      | semi-natural woodland; perched, juvenile (fledged young; confirmed breeding)                | LDV      |

Table 7 - 4 - 25 Kestrel breeding raptor survey data

| Ref.  | BR  | Date       | Time  | Species | Number | Habitat and activity               | Breeding status              | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------------------|------------------------------|----------|
| K.001 | BR1 | 14/06/2021 | 13:35 | Kestrel | 1      | lowland blanket bog, hunting, male | breeding status not recorded | JK       |
| K.002 | BR1 | 14/06/2021 | 13:50 | Kestrel | 1      | lowland blanket bog, hunting, male | breeding status not recorded | JK       |



| Ref.  | BR   | Date       | Time  | Species | Number | Habitat and activity                                                                          | Breeding status                            | Surveyor |
|-------|------|------------|-------|---------|--------|-----------------------------------------------------------------------------------------------|--------------------------------------------|----------|
| K.003 | BR4  | 25/06/2021 | 17:20 | Kestrel | 1      | cutover bog and conifer plantation, hunting                                                   | breeding status not recorded               | JK       |
| K.004 | BR2  | 08/07/2021 | 11:30 | Kestrel | 1      | cutover bog, hunting, juvenile bird. flying from perch to perch on telegraph poles            | breeding status not recorded               | JK       |
| K.005 | BR3  | 08/07/2021 | 14:46 | Kestrel | 1      | cutover bog, hunting, juvenile with similar moulting to bird seen at br2. possibly same bird. | breeding status not recorded               | JK       |
| K.006 | BR4  | 15/07/2021 | 14:35 | Kestrel | 1      | cutover bog, travelling, adult female                                                         | breeding status not recorded               | JK       |
| K.007 | BR8  | 03/04/2024 | 12:10 | Kestrel | 1      | hedgerows and bogs, perched                                                                   | suitable nesting habitat; possible breeder | LDV      |
| K.008 | BR8  | 03/04/2024 | 13:14 | Kestrel | 1      | scrub/transitional woodland and bogs, hunting                                                 | suitable nesting habitat; possible breeder | LDV      |
| K.009 | BR3  | 11/04/2024 | 14:30 | Kestrel | 1      | bogs and conifer plantation, hunting                                                          | suitable nesting habitat; possible breeder | LDV      |
| K.010 | BR3  | 11/04/2024 | 15:04 | Kestrel | 1      | bogs and conifer plantation, hunting                                                          | suitable nesting habitat; possible breeder | LDV      |
| K.011 | BR9  | 16/04/2024 | 11:59 | Kestrel | 1      | conifer plantation, travelling                                                                | suitable nesting habitat; possible breeder | LDV      |
| K.012 | BR9  | 16/04/2024 | 13:28 | Kestrel | 1      | conifer plantation, travelling                                                                | suitable nesting habitat; possible breeder | LDV      |
| K.013 | BR9  | 16/04/2024 | 13:49 | Kestrel | 1      | bogs, improved grassland and conifer plantation, hunting                                      | suitable nesting habitat; possible breeder | LDV      |
| K.014 | BR7  | 10/05/2024 | 10:43 | Kestrel | 1      | recently-felled woodland and conifer plantation, hunting, male                                | suitable nesting habitat; possible breeder | CG       |
| K.015 | BR7  | 10/05/2024 | 11:50 | Kestrel | 1      | recently-felled woodland and improved agricultural grassland, hunting, male                   | suitable nesting habitat; possible breeder | CG       |
| K.016 | BR10 | 10/05/2024 | 12:38 | Kestrel | 1      | improved agricultural grassland, hunting, mobbed by a pair of buzzards while hunting          | suitable nesting habitat; possible breeder | CG       |
| K.017 | BR6  | 20/05/2024 | 05:30 | Kestrel | 1      | cutover bog and mixed conifer woodland, hunting, perching                                     | suitable nesting habitat; possible breeder | CG       |
| K.018 | BR8  | 20/05/2024 | 08:34 | Kestrel | 1      | cutover bog, hunting                                                                          | suitable nesting habitat; possible breeder | CG       |
| K.019 | BR3  | 21/06/2024 | 09:14 | Kestrel | 1      | bogs, hunting                                                                                 | suitable nesting habitat; possible breeder | LDV      |
| K.020 | BR3  | 21/06/2024 | 09:17 | Kestrel | 1      | semi-natural woodland, hunting                                                                | suitable nesting habitat; possible breeder | LDV      |

| Ref.  | BR  | Date       | Time  | Species | Number | Habitat and activity        | Breeding status                            | Surveyor |
|-------|-----|------------|-------|---------|--------|-----------------------------|--------------------------------------------|----------|
| K.021 | BR3 | 21/06/2024 | 09:22 | Kestrel | 1      | conifer plantation, hunting | suitable nesting habitat; possible breeder | LDV      |
| K.022 | BR8 | 04/07/2024 | 15:34 | Kestrel | 1      | cutover bog, hunting        | suitable nesting habitat; possible breeder | LDV      |

Table 7 - 4 - 26 Kestrel incidental records

| Ref.  | Location                                                        | Date       | Time         | Species | Number | Habitat and activity                                                                                                                           | Surveyor |
|-------|-----------------------------------------------------------------|------------|--------------|---------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| K.001 | Waterbird Distribution and Abundance Survey; Cooloo North       | 27/09/2019 | not recorded | Kestrel | 1      | habitat not recorded; flying and mobbed                                                                                                        | CD       |
| K.002 | Waterbird Distribution and Abundance Survey; Cooloo North       | 27/09/2019 | not recorded | Kestrel | 1      | turloughs; flying and perched on post- female                                                                                                  | CD       |
| K.003 | Hen Harrier Roost Survey; HHVP2                                 | 30/10/2019 | not recorded | Kestrel | 1      | habitat not recorded; seen at turn off for hhvp2b                                                                                              | CD       |
| K.004 | Hen Harrier Roost Survey; HHVP4                                 | 31/10/2019 | 16:45        | Kestrel | 1      | lowland blanket bog and cutover bog; soaring over bog                                                                                          | MP       |
| K.005 | Waterbird Distribution and Abundance Survey; Levally Lough      | 06/11/2019 | 14:00        | Kestrel | 1      | limestone/marl lakes; flying , flying over lough, mobbed by crows. when passing over lough, flock of c.50 frightened lapwing took off to south | MP       |
| K.006 | Hen Harrier Roost Survey; HHVP4                                 | 07/11/2019 | 15:50        | Kestrel | 1      | wet grassland and improved agricultural grassland; hunting, mobbed by crow                                                                     | MP       |
| K.007 | Waterbird Distribution and Abundance Survey; Levally Lough      | 28/01/2020 | 15:00        | Kestrel | 1      | improved agricultural grassland; flying , hovering                                                                                             | MP       |
| K.008 | Hen Harrier Roost Survey; HHVP1                                 | 28/01/2020 | 16:21        | Kestrel | 1      | bogs and wet grassland; hovering, flew north towards levally lough                                                                             | MP       |
| K.009 | Waterbird Distribution and Abundance Survey; Derrynacrick Lough | 19/03/2020 | 14:30        | Kestrel | 1      | improved agricultural grassland; flying , male, hovering                                                                                       | MP       |
| K.010 | Hen Harrier Roost Survey; HHVP1                                 | 09/10/2020 | 18:53        | Kestrel | 1      | improved agricultural grassland; hunting, agri-grassland                                                                                       | JK       |



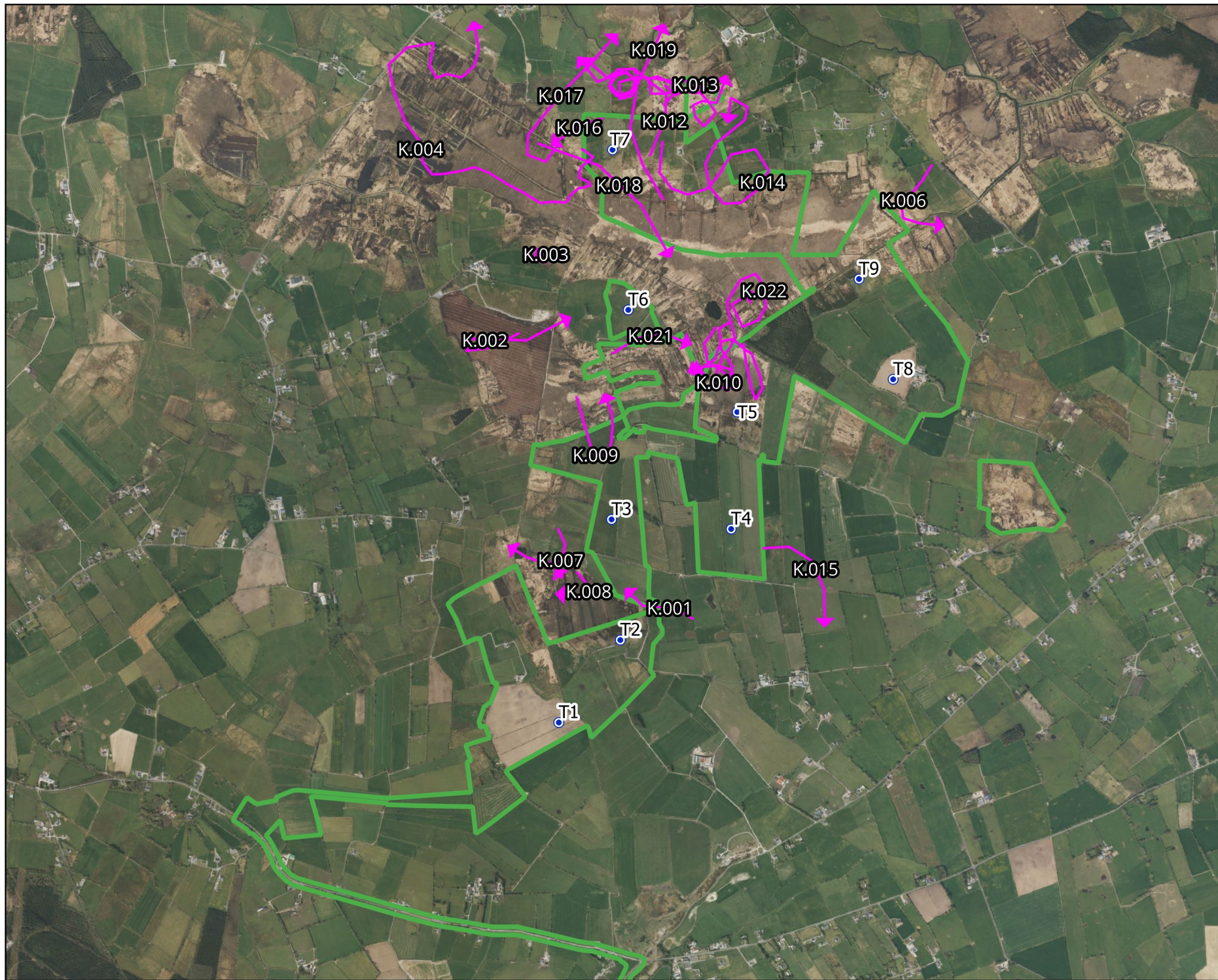
| Ref.  | Location                           | Date       | Time         | Species | Number | Habitat and activity                                                                                     | Surveyor |
|-------|------------------------------------|------------|--------------|---------|--------|----------------------------------------------------------------------------------------------------------|----------|
| K.011 | Hen Harrier Roost Survey; HHVP4    | 14/10/2020 | 18:57        | Kestrel | 1      | cutover bog; flying to roost, cutover                                                                    | JK       |
| K.012 | Hen Harrier Roost Survey; HHVP2    | 18/12/2020 | 15:36        | Kestrel | 1      | raised bog, cutover bog and improved agricultural grassland; hovering                                    | PT       |
| K.013 | Hen Harrier Roost Survey; HHVP2    | 18/12/2020 | 15:47        | Kestrel | 1      | raised bog; low direct flight                                                                            | PT       |
| K.014 | Hen Harrier Roost Survey; HHVP2    | 18/12/2020 | 16:05        | Kestrel | 1      | improved agricultural grassland; direct hunting flight                                                   | PT       |
| K.015 | Hen Harrier Roost Survey; HHVP2    | 18/12/2020 | 16:26        | Kestrel | 1      | improved agricultural grassland; hovering                                                                | PT       |
| K.016 | Hen Harrier Roost Survey; HHVP2    | 18/12/2020 | 16:33        | Kestrel | 1      | cutover bog; hovering                                                                                    | PT       |
| K.017 | Hen Harrier Roost Survey; HHVP2    | 14/01/2021 | 17:06        | Kestrel | 1      | conifer plantation; roosting, call heard from trees                                                      | JK       |
| K.018 | Vantage Point Survey; VP3          | 28/01/2021 | not recorded | Kestrel | 1      | habitat not recorded; female in flight behind vp, seen twice. hunting around cattle shed just behind vp. | PC       |
| K.019 | Hen Harrier Roost Survey; HHVP4    | 24/02/2021 | 17:40        | Kestrel | 2      | dry meadows and grassy verges and conifer plantation; travelling, pair                                   | JK       |
| K.020 | Vantage Point Survey; VP1          | 21/10/2021 | 16:58        | Kestrel | 1      | cutover bog; hunting                                                                                     | JK       |
| K.021 | Hen Harrier Roost Survey; HHVP1    | 21/10/2021 | 17:18        | Kestrel | 1      | conifer plantation; hunting                                                                              | JK       |
| K.022 | Hen Harrier Roost Survey; HHVP2    | 24/11/2021 | 15:30        | Kestrel | 1      | cutover bog; hunting male                                                                                | JK       |
| K.023 | Hen Harrier Roost Survey; Corralea | 09/10/2023 | 18:16        | Kestrel | 1      | improved grassland; hunting, male                                                                        | LDV      |
| K.024 | Hen Harrier Roost Survey; Corralea | 09/10/2023 | 18:42        | Kestrel | 1      | bogs and improved grassland; hunting                                                                     | LDV      |
| K.025 | Hen Harrier Roost Survey; Corralea | 09/10/2023 | 19:03        | Kestrel | 1      | semi-natural woodland; perched                                                                           | LDV      |
| K.026 | Hen Harrier Roost Survey; HHVP4    | 19/10/2023 | 18:00        | Kestrel | 1      | bogs and scrub/transitional woodland; hunting                                                            | LDV      |
| K.027 | Hen Harrier Roost Survey; HHVP2    | 01/11/2023 | 16:03        | Kestrel | 1      | improved grassland and bogs; travelling                                                                  | LDV      |

| Ref.  | Location                                                        | Date       | Time  | Species | Number | Habitat and activity                                                                        | Surveyor |
|-------|-----------------------------------------------------------------|------------|-------|---------|--------|---------------------------------------------------------------------------------------------|----------|
| K.028 | Hen Harrier Roost Survey; HHVP2                                 | 01/11/2023 | 16:54 | Kestrel | 1      | bogs; hunting                                                                               | LDV      |
| K.029 | Vantage Point Survey; VP1                                       | 03/11/2023 | 13:03 | Kestrel | 1      | bogs and scrub/transitional woodland; hunting                                               | LDV      |
| K.030 | Hen Harrier Roost Survey; HHVP1                                 | 06/11/2023 | 16:15 | Kestrel | 1      | bogs; travelling                                                                            | LDV      |
| K.031 | Hen Harrier Roost Survey; HHVP1                                 | 06/11/2023 | 16:57 | Kestrel | 1      | bogs; hunting                                                                               | LDV      |
| K.032 | Hen Harrier Roost Survey; HHVP4                                 | 14/11/2023 | 15:28 | Kestrel | 1      | scrub/transitional woodland, bogs and improved grassland; hunting                           | LDV      |
| K.033 | Waterbird Distribution and Abundance Survey; Summerville lough  | 21/11/2023 | 09:58 | Kestrel | 1      | lakes and ponds; travelling                                                                 | LDV      |
| K.034 | Hen Harrier Roost Survey; HHVP3                                 | 21/11/2023 | 16:22 | Kestrel | 1      | improved grassland; hunting                                                                 | LDV      |
| K.035 | Hen Harrier Roost Survey; HHVP2                                 | 15/12/2023 | 15:26 | Kestrel | 1      | bogs; travelling, male                                                                      | LDV      |
| K.036 | Hen Harrier Roost Survey; HHVP3                                 | 07/02/2024 | 16:01 | Kestrel | 1      | bogs and linear woodland/scrub; travelling, perched                                         | LDV      |
| K.037 | Hen Harrier Roost Survey; HHVP3                                 | 07/02/2024 | 16:03 | Kestrel | 1      | bogs; hunting                                                                               | LDV      |
| K.038 | Hen Harrier Roost Survey; HHVP3                                 | 07/02/2024 | 16:23 | Kestrel | 1      | bogs; travelling                                                                            | LDV      |
| K.039 | Waterbird Distribution and Abundance Survey; Cornacartan bridge | 20/02/2024 | 11:54 | Kestrel | 1      | improved grassland; flushed                                                                 | LDV      |
| K.040 | Waterbird Distribution and Abundance Survey; Cooloo             | 01/03/2024 | 14:06 | Kestrel | 1      | improved grassland and bogs; hunting                                                        | LDV      |
| K.041 | Waterbird Distribution and Abundance Survey; Cooloo lough       | 07/08/2024 | 14:08 | Kestrel | 1      | improved agricultural grassland and bogs; travelling                                        | MH       |
| K.042 | Vantage Point Survey; VP3                                       | 08/10/2024 | 15:17 | Kestrel | 1      | improved grassland; travelling                                                              | LDV      |
| K.043 | Hen Harrier Roost Survey; HHVP4a                                | 14/10/2024 | 18:35 | Kestrel | 1      | scrub/transitional woodland; hunting                                                        | LDV      |
| K.044 | Hen Harrier Roost Survey; HHVP3                                 | 26/11/2024 | 15:26 | Kestrel | 1      | improved agricultural grassland and upland blanket bog; mobbing, mobbing a peregrine falcon | LDV      |



| Ref.  | Location                                                             | Date       | Time  | Species | Number | Habitat and activity                                                                                                                                  | Surveyor |
|-------|----------------------------------------------------------------------|------------|-------|---------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| K.045 | Vantage Point Survey;<br>Cloondahamper                               | 03/12/2024 | 11:30 | Kestrel | 1      | bogs and linear woodland/scrub; perched, travelling, dropped into bush, joined by second kestrel                                                      | PDC      |
| K.046 | Vantage Point Survey;<br>Cloondahamper                               | 03/12/2024 | 11:31 | Kestrel | 1      | bogs and linear woodland/scrub; travelling, perched, came from behind treeline, dropped into bush with first kestrel                                  | PDC      |
| K.047 | Vantage Point Survey; VP3                                            | 12/12/2024 | 14:31 | Kestrel | 1      | improved agricultural grassland and linear woodland/scrub; perched, travelling, male, spotted whilst perched on treetop behind vp before he flew off. | PDC      |
| K.048 | Hen Harrier Roost Survey;<br>HHVP3                                   | 08/01/2025 | 16:26 | Kestrel | 1      | bogs; travelling, was perched before                                                                                                                  | LDV      |
| K.049 | Waterbird Distribution and<br>Abundance Survey; Summerville<br>lough | 29/01/2025 | 11:05 | Kestrel | 1      | lakes and ponds, bogs and highly modified/non-native woodland;<br>mobbing, mobbing a raven                                                            | LDV      |
| K.050 | Hen Harrier Roost Survey;<br>HHVP1a                                  | 04/02/2025 | 17:01 | Kestrel | 1      | cutover bog; commuting                                                                                                                                | CG       |





#### Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title

Kestrel  
Winter Walkover Survey

Project Title

Cooloo Wind Farm, Co. Galway

Drawn By

SD

Checked By

PC

Project No.

190723-m

Drawing No.

Fig 7-4-23

Scale

1:25,000

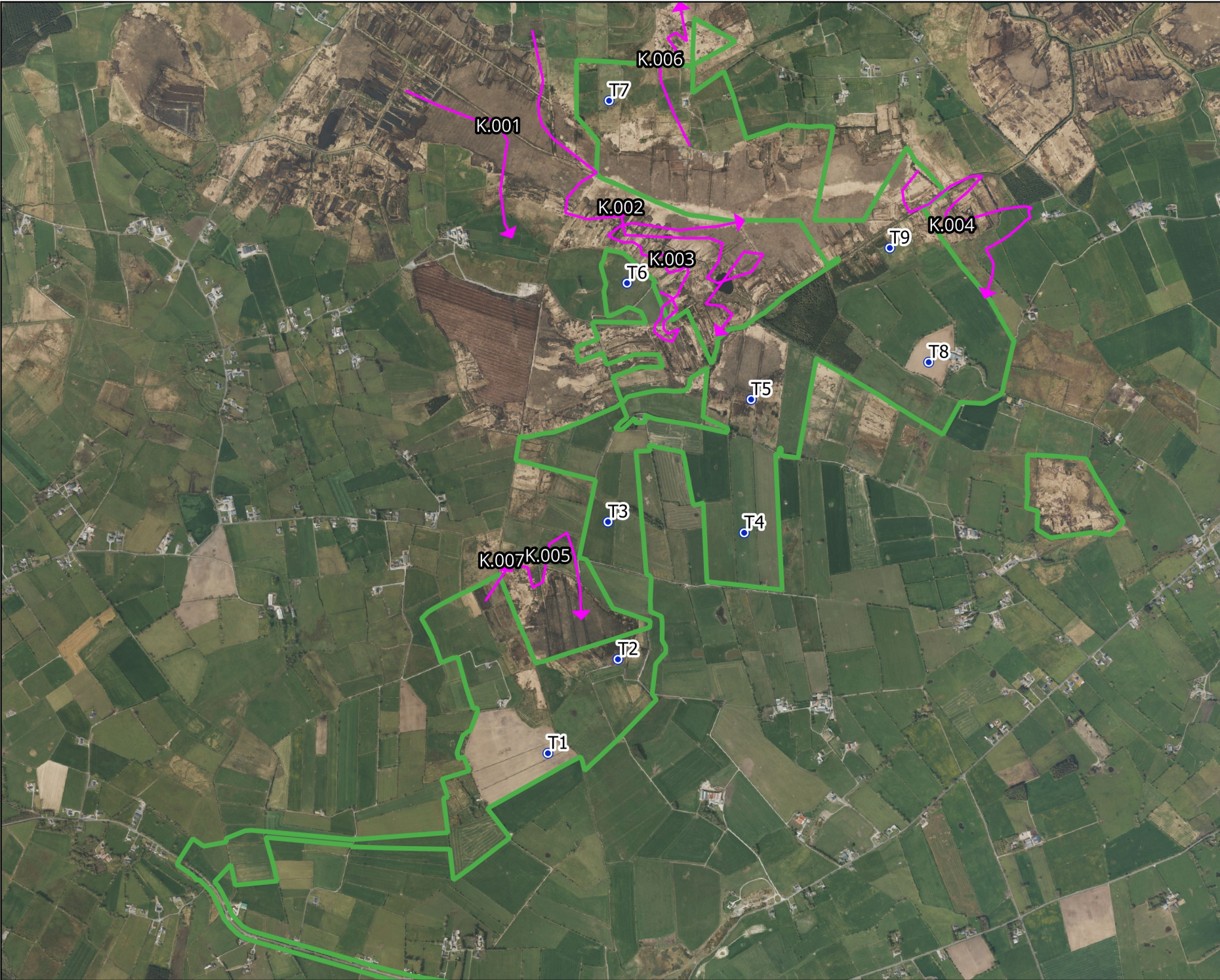
Date

2025.09.18



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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title

**Kestrel  
Breeding Walkover Survey**

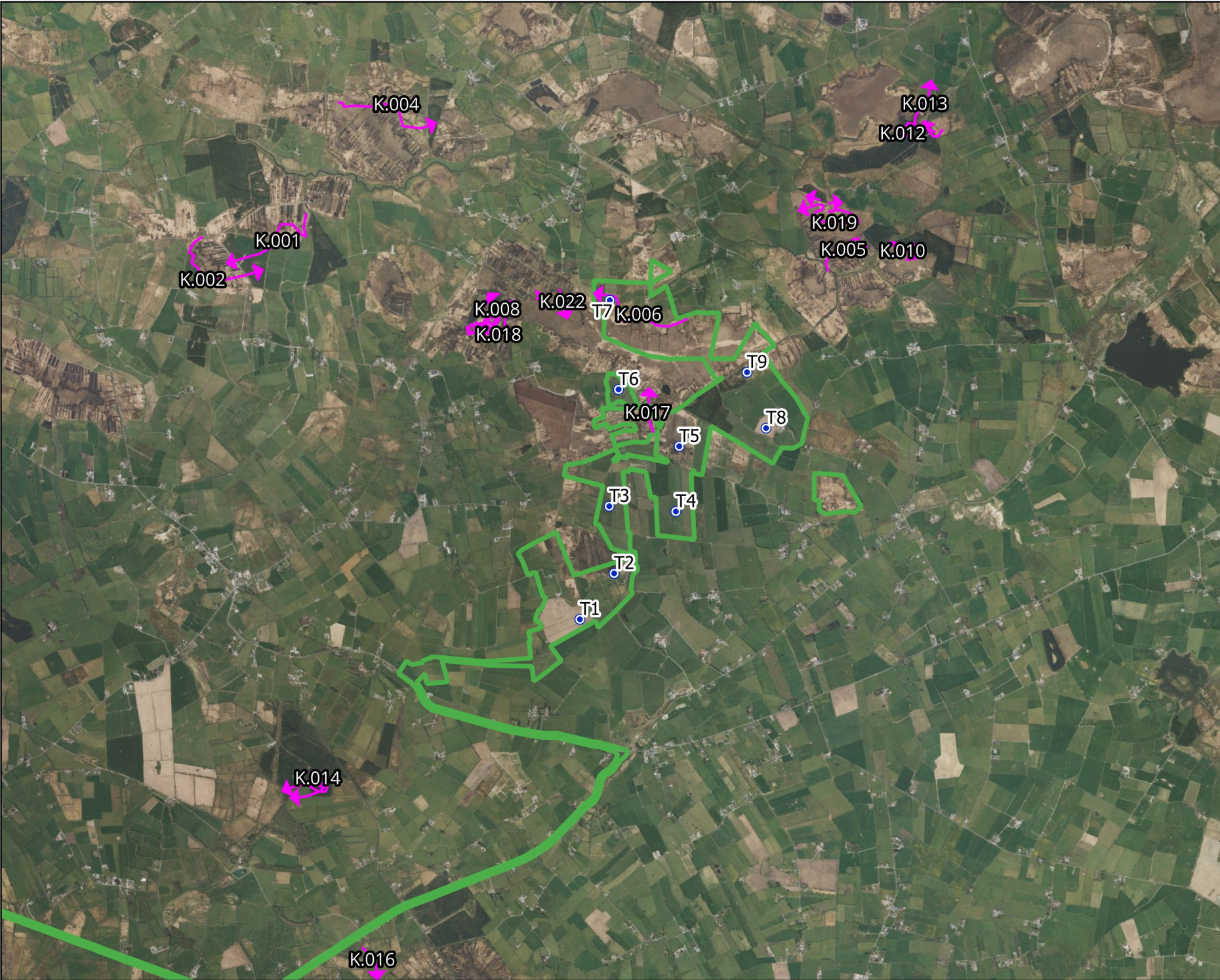
Project Title

**Cooloo Wind Farm, Co. Galway**

|             |          |             |            |
|-------------|----------|-------------|------------|
| Drawn By    | SD       | Checked By  | PC         |
| Project No. | 190723-m | Drawing No. | Fig 7-4-24 |
| Scale       | 1:22,000 | Date        | 2025.09.18 |

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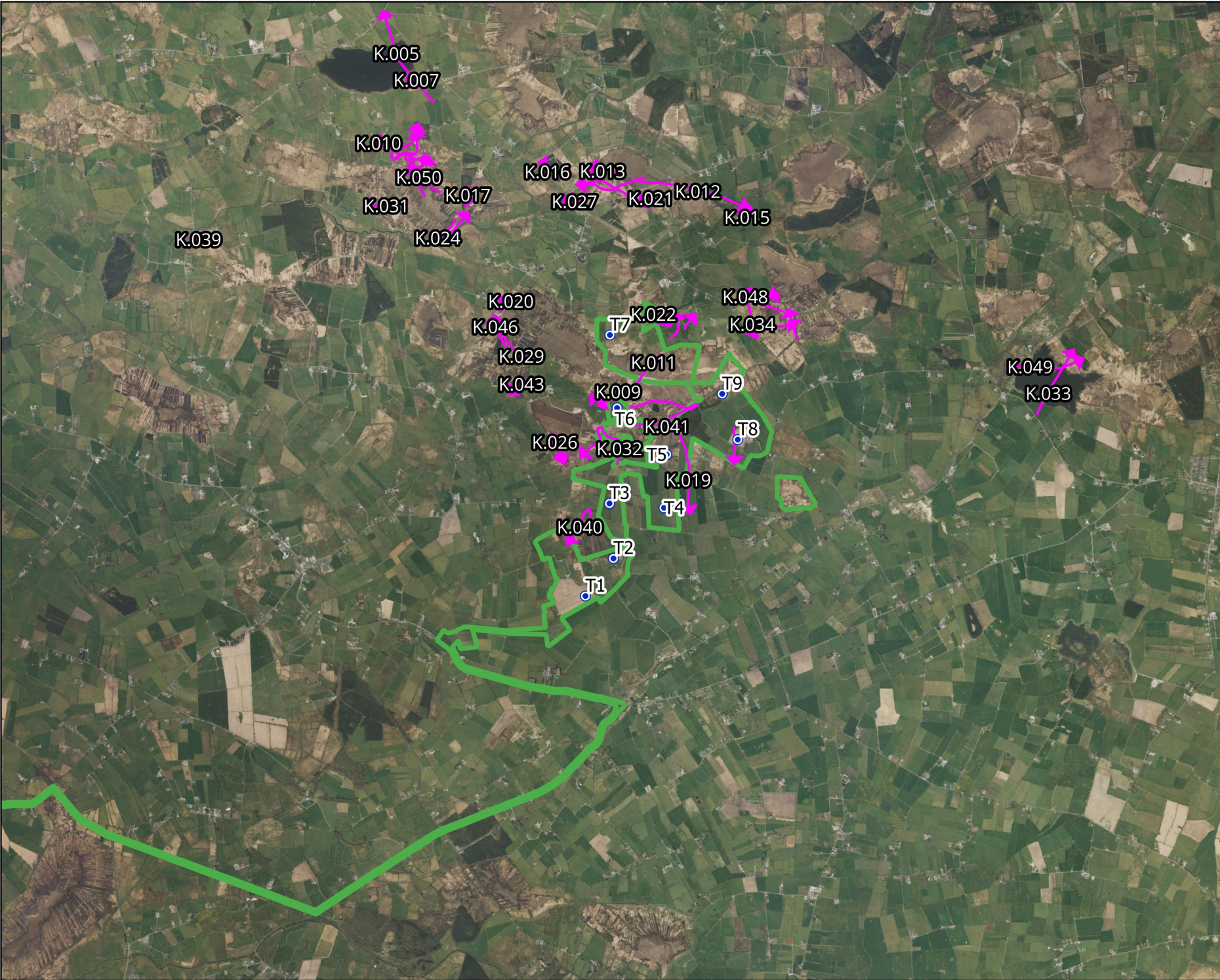
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Kestrel Breeding Raptor Survey                                                                                                                                                                                                                                                           |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-25  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:45,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Kestrel<br>Incidental Records                                                                                                                                                                                                                                            |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-26  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:55,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |



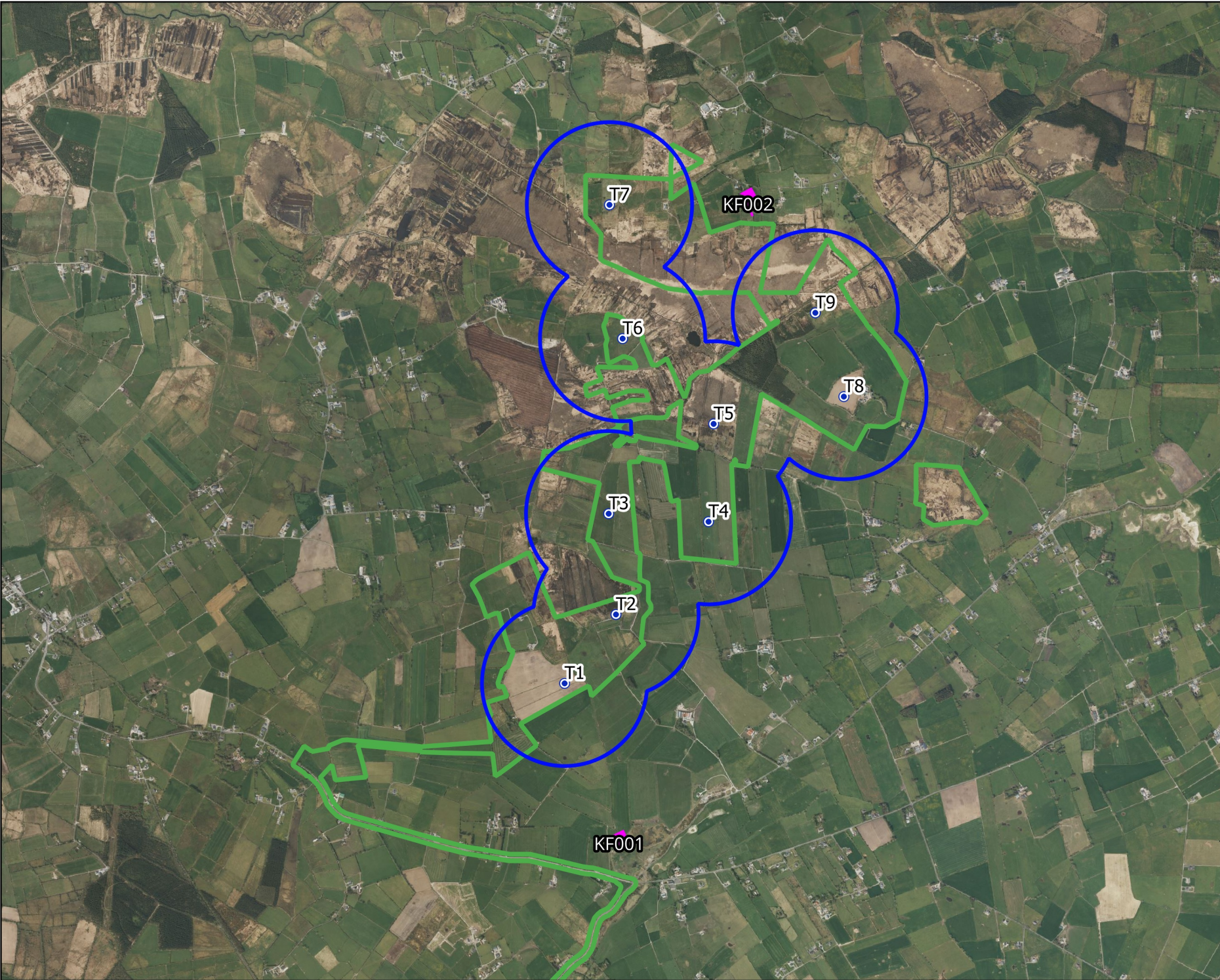
11.

## KINGFISHER

Table 7 - 4 - 27 Kingfisher vantage point survey data

| Ref.  | VP  | Date       | Time  | Species    | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                      | Surveyor |
|-------|-----|------------|-------|------------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------------------------|----------|
| KF001 | VP2 | 15/11/2023 | 13:29 | Kingfisher | 1      | 4                      | 4      | 0      | 0      | 0      | lakes and ponds and linear woodland/scrub; travelling     | LDV      |
| KF002 | VP3 | 17/11/2023 | 07:14 | Kingfisher | 1      | 5                      | 5      | 0      | 0      | 0      | improved grassland and short rotation coppice; travelling | LDV      |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record



|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                          |             |
| Kingfisher<br>Vantage Point Survey                                                                                                                                     |             |
| Project Title                                                                                                                                                          |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                           |             |
| Drawn By                                                                                                                                                               | Checked By  |
| SD                                                                                                                                                                     | PC          |
| Project No.                                                                                                                                                            | Drawing No. |
| 190723-m                                                                                                                                                               | Fig 7-4-27  |
| Scale                                                                                                                                                                  | Date        |
| 1:30,000                                                                                                                                                               | 2025.09.18  |
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12.

# LAPWING

Table 7 - 4 - 28 Lapwing waterbird distribution and abundance survey data

| Ref.  | Location                     | Date       | Time         | Species | Number | Habitat and activity                                                                                                                                 | Surveyor |
|-------|------------------------------|------------|--------------|---------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| L.001 | Cooloo South                 | 27/09/2019 | not recorded | Lapwing | 16     | improved agricultural grassland; flying over wet improved agricultural grassland field                                                               | CD       |
| L.002 | Cooloo East                  | 27/09/2019 | not recorded | Lapwing | 9      | turloughs; feeding                                                                                                                                   | CD       |
| L.003 | Cooloo North                 | 27/09/2019 | not recorded | Lapwing | 90     | turloughs; roosting                                                                                                                                  | CD       |
| L.004 | Flooded area Horseleap Lough | 08/10/2019 | 09:45        | Lapwing | 1      | turloughs; above water , flying south over water                                                                                                     | MP       |
| L.005 | Flooded area Horseleap Lough | 08/10/2019 | 09:58        | Lapwing | 27     | turloughs and improved agricultural grassland; terrestrial feeding/roosting, feeding by lake, took off and flew south                                | MP       |
| L.006 | Summerville lough            | 08/10/2019 | 11:58        | Lapwing | 28     | turloughs and improved agricultural grassland; above water , flying south over lough and improved agricultural grassland                             | MP       |
| L.007 | Levally lough                | 08/10/2019 | 14:35        | Lapwing | 45     | turloughs and improved agricultural grassland; terrestrial , in grassland, south of lough                                                            | MP       |
| L.008 | Levally lough                | 08/10/2019 | 15:15        | Lapwing | 76     | turloughs; wading feeding/roosting, flew from s with flock of curlew. landed west of lough, feeding/roosting                                         | MP       |
| L.009 | Levally lough                | 22/10/2019 | 09:45        | Lapwing | 21     | turloughs; flying, feeding, roosting, took off and flew south                                                                                        | MP       |
| L.010 | Summerville lough            | 22/10/2019 | 10:45        | Lapwing | 3      | limestone/marl lakes; flying , flying south                                                                                                          | MP       |
| L.011 | Summerville lough            | 22/10/2019 | 11:00        | Lapwing | 40     | improved agricultural grassland; flying , flock over improved agricultural grassland, flew south                                                     | MP       |
| L.012 | Gorteenlahard Turlough       | 22/10/2019 | 11:45        | Lapwing | 130    | wet grassland and turloughs; terrestrial feeding/roosting, feeding on small islands within turlough or in nearby grasslands along with golden plover | MP       |
| L.013 | Gorteenlahard turlough       | 06/11/2019 | 11:30        | Lapwing | 160    | turloughs and improved agricultural grassland; terrestrial feeding/roosting, flock landed on turlough banks with c.30 golden plover                  | MP       |
| L.014 | Summerville lough            | 06/11/2019 | 12:30        | Lapwing | 80     | improved agricultural grassland; terrestrial feeding/roosting, feeding in grassland                                                                  | MP       |



| Ref.  | Location               | Date       | Time         | Species | Number | Habitat and activity                                                                                                                                               | Surveyor |
|-------|------------------------|------------|--------------|---------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| L.015 | Levally Lough          | 06/11/2019 | 14:00        | Lapwing | 70     | limestone/marl lakes and wet grassland; terrestrial feeding/roosting, feeding north of lough                                                                       | MP       |
| L.016 | Levally Lough          | 06/11/2019 | 14:00        | Lapwing | 40     | limestone/marl lakes and wet grassland; flying , flying south                                                                                                      | MP       |
| L.017 | Levally Lough          | 06/11/2019 | 14:00        | Lapwing | 50     | limestone/marl lakes; flying , took off on kestrel approach                                                                                                        | MP       |
| L.018 | Horseleap Lough        | 20/11/2019 | 10:45        | Lapwing | 5      | limestone/marl lakes and improved agricultural grassland; flying , flying north east over lough and improved agricultural grassland                                | MP       |
| L.019 | Derrinacrick lough     | 20/11/2019 | 11:15        | Lapwing | 10     | bogs and improved agricultural grassland; flying , flying north east over bog and grassland                                                                        | MP       |
| L.020 | Levally Lough          | 20/11/2019 | 13:45        | Lapwing | 35     | wet grassland; flying , flying above wet grassland, spotted on the way to lough levally while driving                                                              | MP       |
| L.021 | Levally Lough          | 20/11/2019 | 14:00        | Lapwing | 1      | limestone/marl lakes; terrestrial feeding/roosting, on west side                                                                                                   | MP       |
| L.022 | Levally Lough          | 20/11/2019 | 14:15        | Lapwing | 130    | limestone/marl lakes and wet grassland; terrestrial feeding/roosting, roosting/feeding on west side of the lough with golden plover                                | MP       |
| L.023 | Gorteenlahard turlough | 20/11/2019 | not recorded | Lapwing | 2      | improved agricultural grassland and wet grassland; terrestrial feeding/roosting                                                                                    | MP       |
| L.024 | Gorteenlahard Turlough | 05/12/2019 | 11:45        | Lapwing | 25     | turloughs; terrestrial feeding/roosting, feeding on grassland                                                                                                      | MP       |
| L.025 | Levally Lough          | 05/12/2019 | 13:30        | Lapwing | 10     | limestone/marl lakes; terrestrial feeding/roosting                                                                                                                 | MP       |
| L.026 | Levally Lough          | 05/12/2019 | 13:30        | Lapwing | 6      | limestone/marl lakes; flying , over lough to north, out of sight                                                                                                   | MP       |
| L.027 | Levally Lough          | 05/12/2019 | 14:00        | Lapwing | 120    | limestone/marl lakes; terrestrial feeding/roosting, on same small island                                                                                           | MP       |
| L.028 | Horseleap Lough        | 19/12/2019 | 10:30        | Lapwing | 8      | limestone/marl lakes; terrestrial feeding/roosting, on lough bank                                                                                                  | MP       |
| L.029 | Gorteenlahard Turlough | 19/12/2019 | 12:15        | Lapwing | 90     | turloughs and improved agricultural grassland; terrestrial feeding/roosting                                                                                        | MP       |
| L.030 | Levally Lough          | 19/12/2019 | 14:00        | Lapwing | 400    | limestone/marl lakes; terrestrial feeding/roosting                                                                                                                 | MP       |
| L.031 | Gorteenlahard Turlough | 15/01/2020 | 11:45        | Lapwing | 1      | limestone/marl lakes, improved agricultural grassland and wet grassland; terrestrial feeding/roosting, alone on bank, struggling to keep steady in the strong wind | MP       |
| L.032 | Summerville lough      | 15/01/2020 | 13:00        | Lapwing | 50     | limestone/marl lakes; flying , small flock circling over lough. landed in bank during heavy shower                                                                 | MP       |
| L.033 | Levally Lough          | 15/01/2020 | 13:45        | Lapwing | 140    | limestone/marl lakes and improved agricultural grassland; flying, feeding, roosting, came flying from south, circled and landed on banks and adjacent grassland    | MP       |

| Ref.  | Location               | Date       | Time         | Species | Number | Habitat and activity                                                                                                                                        | Surveyor |
|-------|------------------------|------------|--------------|---------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| L.034 | Horseleap Lough        | 28/01/2020 | 10:45        | Lapwing | 2      | limestone/marl lakes and improved agricultural grassland; flying , circling over lough. landed on bank                                                      | MP       |
| L.035 | Horseleap Lough        | 28/01/2020 | 10:45        | Lapwing | 20     | improved agricultural grassland; flying , circling over grassland in the distance (north)                                                                   | MP       |
| L.036 | Summerville lough      | 28/01/2020 | 13:30        | Lapwing | 1      | limestone/marl lakes and improved agricultural grassland; terrestrial feeding/roosting, on bank                                                             | MP       |
| L.037 | Levally Lough          | 28/01/2020 | 15:00        | Lapwing | 70     | improved agricultural grassland; terrestrial feeding/roosting, on grassland with flock of golden plover                                                     | MP       |
| L.038 | Horseleap Lough        | 07/02/2020 | 11:15        | Lapwing | 187    | limestone/marl lakes and improved agricultural grassland; terrestrial feeding/roosting, roosting by lough. circled over it several times and landed again   | MP       |
| L.039 | Gorteenlahard Turlough | 07/02/2020 | 13:00        | Lapwing | 1      | turloughs and improved agricultural grassland; terrestrial feeding/roosting, just the one                                                                   | MP       |
| L.040 | Summerville lough      | 07/02/2020 | 14:00        | Lapwing | 200    | limestone/marl lakes and wet grassland; terrestrial feeding/roosting, coming from north, circling over lough and landing on bank, up and down several times | MP       |
| L.041 | Levally Lough          | 07/02/2020 | 15:00        | Lapwing | 130    | limestone/marl lakes; terrestrial feeding/roosting                                                                                                          | MP       |
| L.042 | Horseleap Lough        | 21/02/2020 | 11:00        | Lapwing | 29     | limestone/marl lakes and improved agricultural grassland; terrestrial feeding/roosting                                                                      | MP       |
| L.043 | Horseleap Lough        | 05/03/2020 | 12:00        | Lapwing | 5      | limestone/marl lakes; terrestrial feeding/roosting                                                                                                          | MP       |
| L.044 | Levally Lough          | 05/03/2020 | 15:00        | Lapwing | 40     | limestone/marl lakes; terrestrial feeding/roosting                                                                                                          | MP       |
| L.045 | Horseleap Lough        | 19/03/2020 | 13:45        | Lapwing | 5      | limestone/marl lakes; terrestrial feeding/roosting                                                                                                          | MP       |
| L.046 | Levally Lough          | 19/03/2020 | 16:00        | Lapwing | 16     | limestone/marl lakes; terrestrial feeding/roosting                                                                                                          | MP       |
| L.047 | Levally Lough          | 20/04/2020 | not recorded | Lapwing | 1      | turloughs; terrestrial                                                                                                                                      | JK       |
| L.048 | Horseleap Lough        | 28/04/2020 | not recorded | Lapwing | 1      | turloughs; terrestrial, breeding                                                                                                                            | JK       |
| L.049 | Levally Lough          | 28/04/2020 | not recorded | Lapwing | 3      | turloughs; terrestrial                                                                                                                                      | JK       |



| Ref.  | Location               | Date       | Time         | Species | Number | Habitat and activity                                                                                                                    | Surveyor |
|-------|------------------------|------------|--------------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| L.050 | Horseleap Lough        | 18/05/2020 | not recorded | Lapwing | 1      | turloughs; terrestrial                                                                                                                  | JK       |
| L.051 | Levally Lough          | 18/05/2020 | not recorded | Lapwing | 2      | limestone/marl lakes; flying, pair                                                                                                      | JK       |
| L.052 | Levally Lough          | 04/08/2020 | not recorded | Lapwing | 135    | turloughs; terrestrial                                                                                                                  | JK       |
| L.053 | Levally Lough          | 21/08/2020 | not recorded | Lapwing | 60     | turloughs; terrestrial, loafing                                                                                                         | JK       |
| L.054 | Summerville lough      | 01/09/2020 | not recorded | Lapwing | 1      | improved grassland; loafing, heard not seen                                                                                             | JK       |
| L.055 | Levally Lough          | 14/09/2020 | not recorded | Lapwing | 130    | limestone/marl lakes; flying                                                                                                            | JK       |
| L.056 | Levally Lough          | 14/09/2020 | not recorded | Lapwing | 130    | turloughs; flying                                                                                                                       | JK       |
| L.057 | Summerville lough      | 05/10/2020 | 11:05        | Lapwing | 34     | limestone/marl lakes; flying                                                                                                            | JK       |
| L.058 | Levally Lough          | 05/10/2020 | 11:42        | Lapwing | 72     | turloughs; loafing                                                                                                                      | JK       |
| L.059 | Levally Lough          | 23/10/2020 | 09:30        | Lapwing | 210    | turloughs; flying, loafing, approximate count                                                                                           | JK       |
| L.060 | Levally Lough          | 06/11/2020 | 11:58        | Lapwing | 173    | improved agricultural grassland; loafing                                                                                                | JK       |
| L.061 | Levally Lough          | 06/11/2020 | 12:04        | Lapwing | 300    | turloughs; flying                                                                                                                       | JK       |
| L.062 | Levally Lough          | 17/11/2020 | 13:57        | Lapwing | 140    | turloughs; flying                                                                                                                       | JK       |
| L.063 | Gurteenlahard turlough | 17/11/2020 | 14:34        | Lapwing | 160    | turloughs; loafing                                                                                                                      | JK       |
| L.064 | Gurteenlahard turlough | 17/11/2020 | 14:43        | Lapwing | 109    | turloughs; terrestrial                                                                                                                  | JK       |
| L.065 | Horseleap Lough        | 08/12/2020 | not recorded | Lapwing | 15     | lakes and ponds, improved agricultural grassland and reed and large sedge swamps; flew from horseleap lough to fields, mapped: flight 1 | PT       |

| Ref.  | Location               | Date       | Time         | Species | Number | Habitat and activity                                                                                                                    | Surveyor |
|-------|------------------------|------------|--------------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------|----------|
| L.066 | Gorteenlahard Turlough | 08/12/2020 | not recorded | Lapwing | 58     | improved agricultural grassland; 30 roosting, c.28 feeding, map location 7                                                              | PT       |
| L.067 | Levally Lough          | 08/12/2020 | not recorded | Lapwing | 70     | improved agricultural grassland; c.56 in flight, 14 roosting terrestrial, mapped: c.23 (location 9), 14 (location 10), 33 (location 11) | PT       |
| L.068 | Levally Lough          | 22/12/2020 | not recorded | Lapwing | 170    | grassland and marsh and lakes and ponds; roosting, mapped location 1                                                                    | PT       |
| L.069 | Gorteenlahard Turlough | 22/12/2020 | not recorded | Lapwing | 93     | improved agricultural grassland; feeding, roosting, preening, map location 5                                                            | PT       |
| L.070 | Horseleap Lough        | 22/12/2020 | not recorded | Lapwing | 47     | improved agricultural grassland; feeding, map location 6                                                                                | PT       |
| L.071 | Levally Lough          | 07/01/2021 | 11:31        | Lapwing | 3      | improved agricultural grassland; terrestrial                                                                                            | JK       |
| L.072 | Horseleap Lough        | 29/01/2021 | 14:50        | Lapwing | 128    | turloughs; terrestrial                                                                                                                  | JK       |
| L.073 | Gurteenlahard turlough | 29/01/2021 | 15:06        | Lapwing | 78     | turloughs; terrestrial                                                                                                                  | JK       |
| L.074 | Levally Lough          | 29/01/2021 | 16:30        | Lapwing | 217    | turloughs; terrestrial                                                                                                                  | JK       |
| L.075 | Gurteenlahard turlough | 08/02/2021 | 15:46        | Lapwing | 12     | turloughs; terrestrial                                                                                                                  | JK       |
| L.076 | Levally Lough          | 24/02/2021 | 15:02        | Lapwing | 6      | turloughs; terrestrial                                                                                                                  | JK       |
| L.077 | Summerville lough      | 08/03/2021 | 16:25        | Lapwing | 5      | mesotrophic lakes; terrestrial, estimated count                                                                                         | JK       |
| L.078 | Levally Lough          | 08/03/2021 | 16:56        | Lapwing | 15     | turloughs; terrestrial                                                                                                                  | JK       |
| L.079 | Levally Lough          | 26/03/2021 | 14:36        | Lapwing | 2      | turloughs and improved agricultural grassland; terrestrial                                                                              | JK       |
| L.080 | Levally Lough          | 07/04/2021 | 14:47        | Lapwing | 2      | amenity grassland (improved); terrestrial                                                                                               | JK       |
| L.081 | Levally Lough          | 18/05/2021 | 14:15        | Lapwing | 1      | wet grassland, turloughs and improved agricultural grassland; feeding, standing on wet grassy margin pecking at ground                  | SOB      |
| L.082 | Levally Lough          | 25/08/2021 | 16:17        | Lapwing | 6      | turloughs; terrestrial                                                                                                                  | JK       |
| L.083 | Summerville lough      | 23/09/2021 | 17:11        | Lapwing | 155    | mesotrophic lakes; flying                                                                                                               | JK       |
| L.084 | Levally Lough          | 10/11/2021 | 14:01        | Lapwing | 378    | turloughs; flying                                                                                                                       | JK       |
| L.085 | Gurteenlahard turlough | 10/11/2021 | 14:58        | Lapwing | 74     | turloughs; loafing                                                                                                                      | JK       |
| L.086 | Levally Lough          | 23/11/2021 | 13:44        | Lapwing | 376    | turloughs; flying                                                                                                                       | JK       |
| L.087 | Horseleap Lough        | 23/11/2021 | 14:19        | Lapwing | 6      | turloughs; terrestrial                                                                                                                  | JK       |



| Ref.  | Location               | Date       | Time  | Species | Number | Habitat and activity                                                            | Surveyor |
|-------|------------------------|------------|-------|---------|--------|---------------------------------------------------------------------------------|----------|
| L.088 | Gurteenlahard turlough | 23/11/2021 | 14:25 | Lapwing | 36     | improved agricultural grassland; terrestrial                                    | JK       |
| L.089 | Levally Lough          | 03/12/2021 | 13:14 | Lapwing | 385    | improved agricultural grassland and turloughs; terrestrial loafing              | JK       |
| L.090 | Levally Lough          | 03/12/2021 | 13:18 | Lapwing | 85     | turloughs; flying                                                               | JK       |
| L.091 | Summerville lough      | 03/12/2021 | 14:44 | Lapwing | 19     | mesotrophic lakes and improved agricultural grassland; terrestrial              | JK       |
| L.092 | Horseleap Lough        | 03/12/2021 | 15:12 | Lapwing | 52     | improved agricultural grassland; terrestrial                                    | JK       |
| L.093 | Horseleap Lough        | 16/12/2021 | 13:11 | Lapwing | 390    | turloughs; flying                                                               | JK       |
| L.094 | Horseleap Lough        | 16/12/2021 | 13:33 | Lapwing | 1      | turloughs; terrestrial                                                          | JK       |
| L.095 | Gurteenlahard turlough | 16/12/2021 | 13:47 | Lapwing | 243    | turloughs; terrestrial                                                          | JK       |
| L.096 | Levally Lough          | 16/12/2021 | 14:31 | Lapwing | 77     | turloughs; terrestrial                                                          | JK       |
| L.097 | Levally Lough          | 16/12/2021 | 14:48 | Lapwing | 540    | turloughs; terrestrial                                                          | JK       |
| L.098 | Levally Lough          | 11/01/2022 | 13:17 | Lapwing | 48     | turloughs and improved agricultural grassland; flying, terrestrial              | JK       |
| L.099 | Horseleap Lough        | 11/01/2022 | 14:06 | Lapwing | 270    | improved agricultural grassland; flying                                         | JK       |
| L.100 | Gurteenlahard turlough | 11/01/2022 | 14:23 | Lapwing | 190    | turloughs; flying                                                               | JK       |
| L.101 | Levally Lough          | 26/01/2022 | 14:10 | Lapwing | 110    | turloughs; terrestrial                                                          | JK       |
| L.102 | Gurteenlahard turlough | 26/01/2022 | 15:28 | Lapwing | 7      | turloughs; terrestrial                                                          | JK       |
| L.103 | Horseleap Lough        | 26/01/2022 | 15:32 | Lapwing | 130    | improved agricultural grassland; flying                                         | JK       |
| L.104 | Levally Lough          | 03/02/2022 | 12:10 | Lapwing | 280    | turloughs; terrestrial                                                          | JK       |
| L.105 | Horseleap Lough        | 03/02/2022 | 12:46 | Lapwing | 269    | turloughs and improved agricultural grassland; flying                           | JK       |
| L.106 | Gurteenlahard turlough | 17/02/2022 | 15:12 | Lapwing | 31     | turloughs; terrestrial                                                          | JK       |
| L.107 | Levally Lough          | 02/03/2022 | 15:22 | Lapwing | 4      | lakes and ponds and improved agricultural grassland; feeding                    | ZE       |
| L.108 | Levally Lough          | 02/03/2022 | 15:30 | Lapwing | 40     | improved agricultural grassland, lakes and ponds and conifer plantation; flying | ZE       |
| L.109 | Horseleap Lough        | 15/03/2022 | 12:22 | Lapwing | 2      | lakes and ponds, swamps and improved agricultural grassland; circling, feeding  | ZE       |
| L.110 | Levally Lough          | 15/03/2022 | 13:49 | Lapwing | 50     | improved agricultural grassland, lakes and ponds and swamps; flying             | ZE       |
| L.111 | Levally Lough          | 15/03/2022 | 13:50 | Lapwing | 4      | improved agricultural grassland and lakes and ponds; flying feeding             | ZE       |
| L.112 | Levally Lough          | 11/08/2023 | 14:02 | Lapwing | 31     | improved agricultural grassland; roosting                                       | ZOC      |
| L.113 | Levally Lough          | 29/08/2023 | 12:30 | Lapwing | 26     | improved grassland; roosting                                                    | ZOC      |
| L.114 | Levally Lough          | 14/09/2023 | 14:10 | Lapwing | 4      | turloughs; roosting                                                             | ZOC      |
| L.115 | Levally Lough          | 29/09/2023 | 14:00 | Lapwing | 31     | turloughs and reed and large sedge swamps; roosting                             | ZOC      |
| L.116 | Levally Lough          | 03/10/2023 | 08:55 | Lapwing | 8      | turloughs; foraging                                                             | LDV      |
| L.117 | Levally Lough          | 19/10/2023 | 12:42 | Lapwing | 4      | turloughs; roosting                                                             | LDV      |

| Ref.  | Location               | Date       | Time  | Species | Number | Habitat and activity                                                            | Surveyor |
|-------|------------------------|------------|-------|---------|--------|---------------------------------------------------------------------------------|----------|
| L.118 | Curraghreen            | 01/11/2023 | 09:58 | Lapwing | 120    | improved grassland; flying west                                                 | LDV      |
| L.119 | Levally Lough          | 01/11/2023 | 10:24 | Lapwing | 150    | turloughs and improved grassland; roosting on the shore, in 2 groups, 70 and 60 | LDV      |
| L.120 | Summerville lough      | 01/11/2023 | 11:59 | Lapwing | 6      | lakes and ponds; roosting                                                       | LDV      |
| L.121 | Gorteenlahard turlough | 01/11/2023 | 12:50 | Lapwing | 300    | turloughs; roosting                                                             | LDV      |
| L.122 | Horseleap Lough        | 01/11/2023 | 13:09 | Lapwing | 18     | lakes and ponds; flying east                                                    | LDV      |
| L.123 | Cooloo mountain        | 21/11/2023 | 08:53 | Lapwing | 65     | improved grassland; flying, flying north                                        | LDV      |
| L.124 | Gorteenlahard turlough | 21/11/2023 | 09:16 | Lapwing | 92     | turloughs and improved grassland; roosting near water                           | LDV      |
| L.125 | Summerville lough      | 21/11/2023 | 09:57 | Lapwing | 63     | semi-natural woodland; flying                                                   | LDV      |
| L.126 | Carrownabo turlough    | 21/11/2023 | 10:27 | Lapwing | 36     | wet grassland and turloughs; roosting near water                                | LDV      |
| L.127 | Barnaderg turlough     | 21/11/2023 | 11:32 | Lapwing | 120    | improved grassland; travelling, travelling east                                 | LDV      |
| L.128 | Levally Lough          | 21/11/2023 | 12:07 | Lapwing | 145    | wet grassland and lakes and ponds; roosting near water                          | LDV      |
| L.129 | Levally Lough          | 05/12/2023 | 09:44 | Lapwing | 200    | lakes and ponds and improved grassland; roosting on bank                        | LDV      |
| L.130 | Summerville lough      | 05/12/2023 | 10:28 | Lapwing | 2      | lakes and ponds; flying                                                         | LDV      |
| L.131 | Carrownabo turlough    | 05/12/2023 | 12:00 | Lapwing | 12     | turloughs; roosting on bank                                                     | LDV      |
| L.132 | Laughil                | 05/12/2023 | 12:02 | Lapwing | 28     | improved grassland; foraging in field                                           | LDV      |
| L.133 | Carrownabo turlough    | 05/12/2023 | 12:03 | Lapwing | 37     | improved grassland; foraging in field                                           | LDV      |
| L.134 | Coolwoneen             | 05/12/2023 | 14:22 | Lapwing | 15     | improved grassland; foraging in field                                           | LDV      |
| L.135 | Levally Lough          | 19/12/2023 | 10:08 | Lapwing | 300    | turloughs; flying around                                                        | LDV      |
| L.136 | Carrownabo turlough    | 19/12/2023 | 11:15 | Lapwing | 400    | turloughs; flying around                                                        | LDV      |
| L.137 | Gorteenlahard turlough | 19/12/2023 | 12:01 | Lapwing | 500    | turloughs; foraging                                                             | LDV      |
| L.138 | Cornacartan bridge     | 04/01/2024 | 09:57 | Lapwing | 90     | improved grassland; flying                                                      | LDV      |
| L.139 | Levally Lough          | 04/01/2024 | 10:26 | Lapwing | 110    | lakes and ponds; flying                                                         | LDV      |
| L.140 | Gorteenlahard turlough | 04/01/2024 | 12:27 | Lapwing | 60     | turloughs; roosting                                                             | LDV      |
| L.141 | Laughil                | 04/01/2024 | 13:29 | Lapwing | 150    | improved grassland; roosting, flying                                            | LDV      |
| L.142 | Carrownabo turlough    | 04/01/2024 | 14:07 | Lapwing | 250    | turloughs; roosting, flying                                                     | LDV      |
| L.143 | Templemoyle turlough   | 23/01/2024 | 10:50 | Lapwing | 37     | turloughs; roosting                                                             | LDV      |
| L.144 | Gorteenlahard turlough | 23/01/2024 | 11:11 | Lapwing | 6      | turloughs; roosting                                                             | LDV      |
| L.145 | Carrownabo turlough    | 23/01/2024 | 11:47 | Lapwing | 39     | turloughs; flying                                                               | LDV      |
| L.146 | Carrowkeel             | 23/01/2024 | 12:17 | Lapwing | 20     | improved grassland; roosting                                                    | LDV      |
| L.147 | Horseleap Lough        | 07/02/2024 | 09:48 | Lapwing | 120    | lakes and ponds; roosting                                                       | LDV      |
| L.148 | Summerville lough      | 07/02/2024 | 11:27 | Lapwing | 90     | lakes and ponds and improved grassland; flying                                  | LDV      |



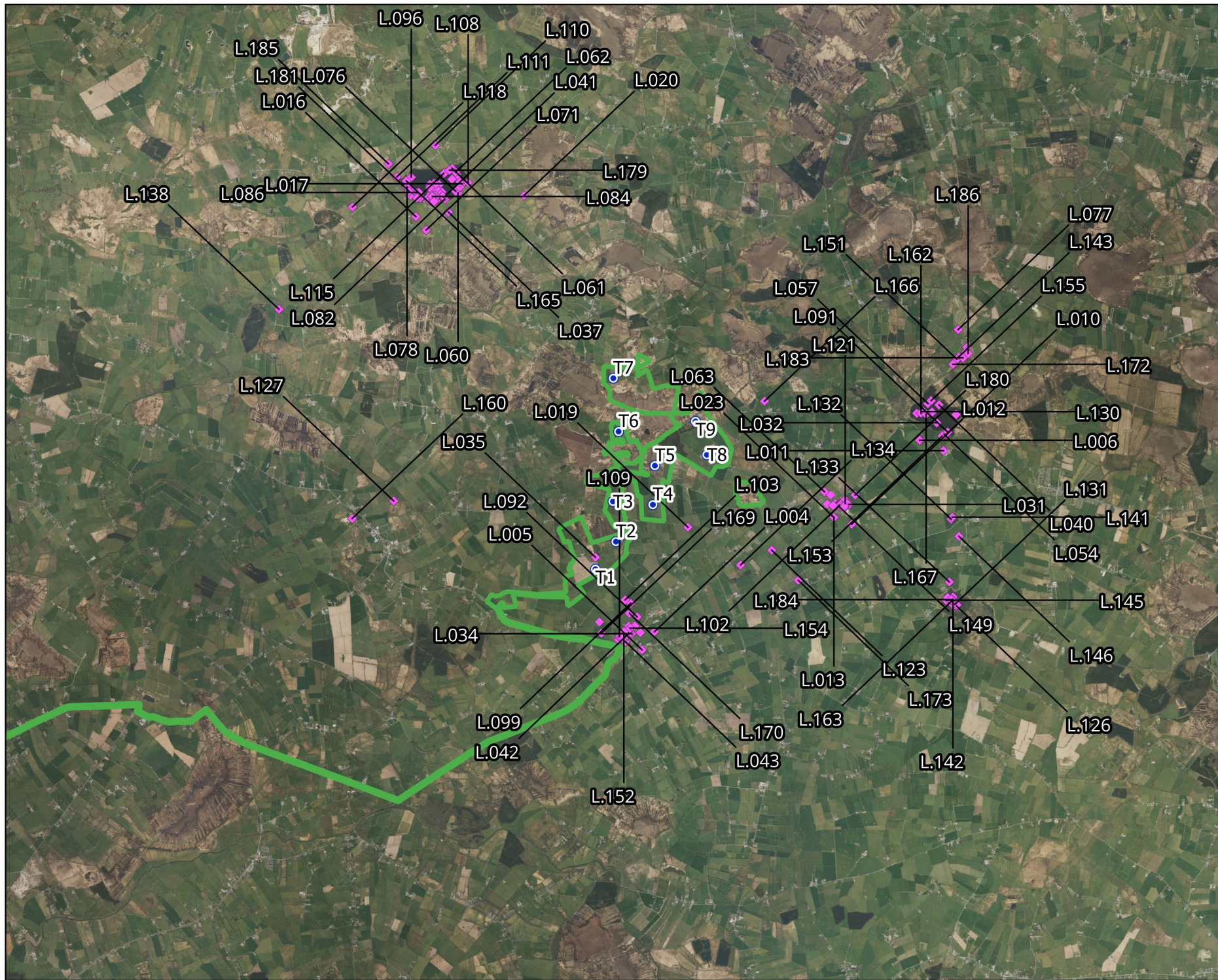
| Ref.  | Location               | Date       | Time  | Species | Number | Habitat and activity                                                                                                                                          | Surveyor |
|-------|------------------------|------------|-------|---------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| L.149 | Gurteenlahard turlough | 07/02/2024 | 11:57 | Lapwing | 150    | turloughs; roosting, flying                                                                                                                                   | LDV      |
| L.150 | Carrownabo turlough    | 07/02/2024 | 12:41 | Lapwing | 700    | improved grassland and turloughs; roosting, flying                                                                                                            | LDV      |
| L.151 | Templemoyle turlough   | 20/02/2024 | 12:58 | Lapwing | 4      | turloughs; roosting                                                                                                                                           | LDV      |
| L.152 | Horseleap lough        | 02/05/2024 | 09:30 | Lapwing | 1      | lakes and ponds; flying, flying away from the lough                                                                                                           | LDV      |
| L.153 | Summerville Lough      | 04/09/2024 | 10:33 | Lapwing | 225    | mesotrophic lakes and improved agricultural grassland; commuting, circling, flock circled the lake and surrounding fields for several minutes before settling | CG       |
| L.154 | Horseleap Lough        | 19/09/2024 | 10:23 | Lapwing | 39     | turloughs; commuting, roosting                                                                                                                                | CG       |
| L.155 | Summerville lough      | 19/09/2024 | 10:37 | Lapwing | 41     | mesotrophic lakes; roosting                                                                                                                                   | CG       |
| L.156 | Levally Lough          | 19/09/2024 | 13:07 | Lapwing | 71     | turloughs; roosting                                                                                                                                           | CG       |
| L.157 | Horseleap lough        | 01/10/2024 | 09:56 | Lapwing | 40     | improved grassland; circling                                                                                                                                  | LDV      |
| L.158 | Summerville lough      | 01/10/2024 | 11:23 | Lapwing | 2      | lakes and ponds; roosting                                                                                                                                     | LDV      |
| L.159 | Horseleap lough        | 23/10/2024 | 09:14 | Lapwing | 18     | lakes and ponds; travelling                                                                                                                                   | LDV      |
| L.160 | Barnaderg              | 23/10/2024 | 09:32 | Lapwing | 5      | turloughs; roosting, foraging                                                                                                                                 | LDV      |
| L.161 | Levally lough          | 23/10/2024 | 10:14 | Lapwing | 250    | turloughs; travelling, roosting                                                                                                                               | LDV      |
| L.162 | Summerville turlough   | 23/10/2024 | 11:34 | Lapwing | 160    | lakes and ponds; travelling, roosting                                                                                                                         | LDV      |
| L.163 | Carrownabo turlough    | 23/10/2024 | 12:21 | Lapwing | 130    | turloughs; travelling                                                                                                                                         | LDV      |
| L.164 | Horseleap lough        | 13/11/2024 | 10:34 | Lapwing | 8      | lakes and ponds; roosting                                                                                                                                     | LDV      |
| L.165 | Levally lough          | 13/11/2024 | 11:14 | Lapwing | 35     | turloughs and improved agricultural grassland; circling, foraging                                                                                             | LDV      |
| L.166 | Trasternagh north      | 13/11/2024 | 11:39 | Lapwing | 28     | improved agricultural grassland; circling                                                                                                                     | LDV      |
| L.167 | Summerville lough      | 13/11/2024 | 12:53 | Lapwing | 200    | lakes and ponds; circling                                                                                                                                     | LDV      |
| L.168 | Horseleap lough        | 26/11/2024 | 11:02 | Lapwing | 17     | lakes and ponds; roosting                                                                                                                                     | LDV      |
| L.169 | Horseleap              | 26/11/2024 | 11:13 | Lapwing | 8      | improved agricultural grassland; foraging, with golden plover                                                                                                 | LDV      |
| L.170 | Horseleap              | 26/11/2024 | 11:15 | Lapwing | 15     | improved agricultural grassland; foraging, with golden plover                                                                                                 | LDV      |
| L.171 | Gurteenlahard turlough | 26/11/2024 | 13:14 | Lapwing | 250    | turloughs; roosting                                                                                                                                           | LDV      |
| L.172 | Templemoyle            | 26/11/2024 | 13:42 | Lapwing | 3      | turloughs; roosting                                                                                                                                           | LDV      |
| L.173 | Mullaghmore north      | 26/11/2024 | 14:34 | Lapwing | 26     | improved agricultural grassland and turloughs; roosting                                                                                                       | LDV      |
| L.174 | Levally Lough          | 06/12/2024 | 09:49 | Lapwing | 96     | turloughs; resting, foraging                                                                                                                                  | PDC      |
| L.175 | Templemoyle turlough   | 06/12/2024 | 10:21 | Lapwing | 87     | turloughs; resting, foraging                                                                                                                                  | PDC      |
| L.176 | Gurteenlahard Turlough | 06/12/2024 | 11:18 | Lapwing | 117    | turloughs; foraging                                                                                                                                           | PDC      |
| L.177 | Levally lough          | 16/12/2024 | 12:23 | Lapwing | 1000   | lakes and ponds and improved agricultural grassland; circling, multiple sub flocks of several hundreds, sometimes roosting on shore of lough                  | LDV      |

| Ref.  | Location               | Date       | Time  | Species | Number | Habitat and activity                                                                   | Surveyor |
|-------|------------------------|------------|-------|---------|--------|----------------------------------------------------------------------------------------|----------|
| L.178 | Gurteenlahard turlough | 16/12/2024 | 13:40 | Lapwing | 400    | turloughs; roosting, circling                                                          | LDV      |
| L.179 | Levally lough          | 09/01/2025 | 12:59 | Lapwing | 70     | turloughs; roosting                                                                    | LDV      |
| L.180 | Gurteenlahard turlough | 09/01/2025 | 14:02 | Lapwing | 18     | improved agricultural grassland; foraging                                              | LDV      |
| L.181 | Levally lough          | 29/01/2025 | 14:28 | Lapwing | 40     | lakes and ponds; roosting                                                              | LDV      |
| L.182 | Levally Lough          | 14/02/2025 | 09:19 | Lapwing | 66     | turloughs; foraging, resting                                                           | PDC      |
| L.183 | Templemoyle Turlough   | 14/02/2025 | 09:47 | Lapwing | 67     | turloughs; resting, foraging                                                           | PDC      |
| L.184 | Carrownabo Turlough    | 14/02/2025 | 10:49 | Lapwing | 77     | turloughs; resting, flushed                                                            | PDC      |
| L.185 | Cappadavock            | 25/02/2025 | 11:03 | Lapwing | 23     | improved agricultural grassland; travelling, came up from and dropped back into fields | PDC      |
| L.186 | Templemoyle Turlough   | 25/02/2025 | 11:05 | Lapwing | 2      | turloughs; travelling                                                                  | PDC      |
| L.187 | Carrownabo Turlough    | 25/02/2025 | 12:22 | Lapwing | 11     | turloughs; resting                                                                     | PDC      |
| L.188 | Templemoyle turlough   | 11/03/2025 | 15:15 | Lapwing | 6      | turloughs; resting                                                                     | LDV      |
| L.189 | Carrownabo turlough    | 11/03/2025 | 15:46 | Lapwing | 2      | turloughs; foraging                                                                    | LDV      |
| L.190 | Levally lough          | 28/03/2025 | 16:11 | Lapwing | 14     | lakes and ponds; roosting                                                              | LDV      |

Table 7 - 4 - 29 Lapwing incidental records

| Ref.  | Location                              | Date       | Time  | Species | Number | Habitat and activity                                                                                                     | Surveyor |
|-------|---------------------------------------|------------|-------|---------|--------|--------------------------------------------------------------------------------------------------------------------------|----------|
| L.001 | Hen Harrier Roost Survey; HHVP1       | 06/11/2019 | 15:40 | Lapwing | 50     | limestone/marl lakes, wet grassland and bogs; flock by levally lough, 10 of which flew south over bog, approximate count | MP       |
| L.002 | Hen Harrier Roost Survey; HHVP4       | 07/11/2019 | 15:28 | Lapwing | 280    | wet grassland and improved agricultural grassland; circling in the distance, east of hhvp, estimated count 250-280       | MP       |
| L.003 | Breeding Raptor Survey; BR1           | 17/07/2020 | 10:20 | Lapwing | 74     | limestone/marl lakes; flying and loafing, mix of adults and juveniles                                                    | JK       |
| L.004 | Hen Harrier Roost Survey; HHVP1       | 09/10/2020 | 18:48 | Lapwing | 110    | improved agricultural grassland; flying                                                                                  | JK       |
| L.005 | Vantage Point Survey; Horseleap lough | 09/11/2021 | 14:02 | Lapwing | 243    | improved agricultural grassland; foraging                                                                                | JK       |
| L.006 | Vantage Point Survey; Horseleap lough | 09/03/2022 | 16:15 | Lapwing | 14     | lakes and ponds and improved agricultural grassland; flying, observed during break                                       | ZE       |
| L.007 | Vantage Point Survey; Tigreenaun      | 18/11/2024 | 13:57 | Lapwing | 85     | improved agricultural grassland; circling                                                                                | LDV      |





#### Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



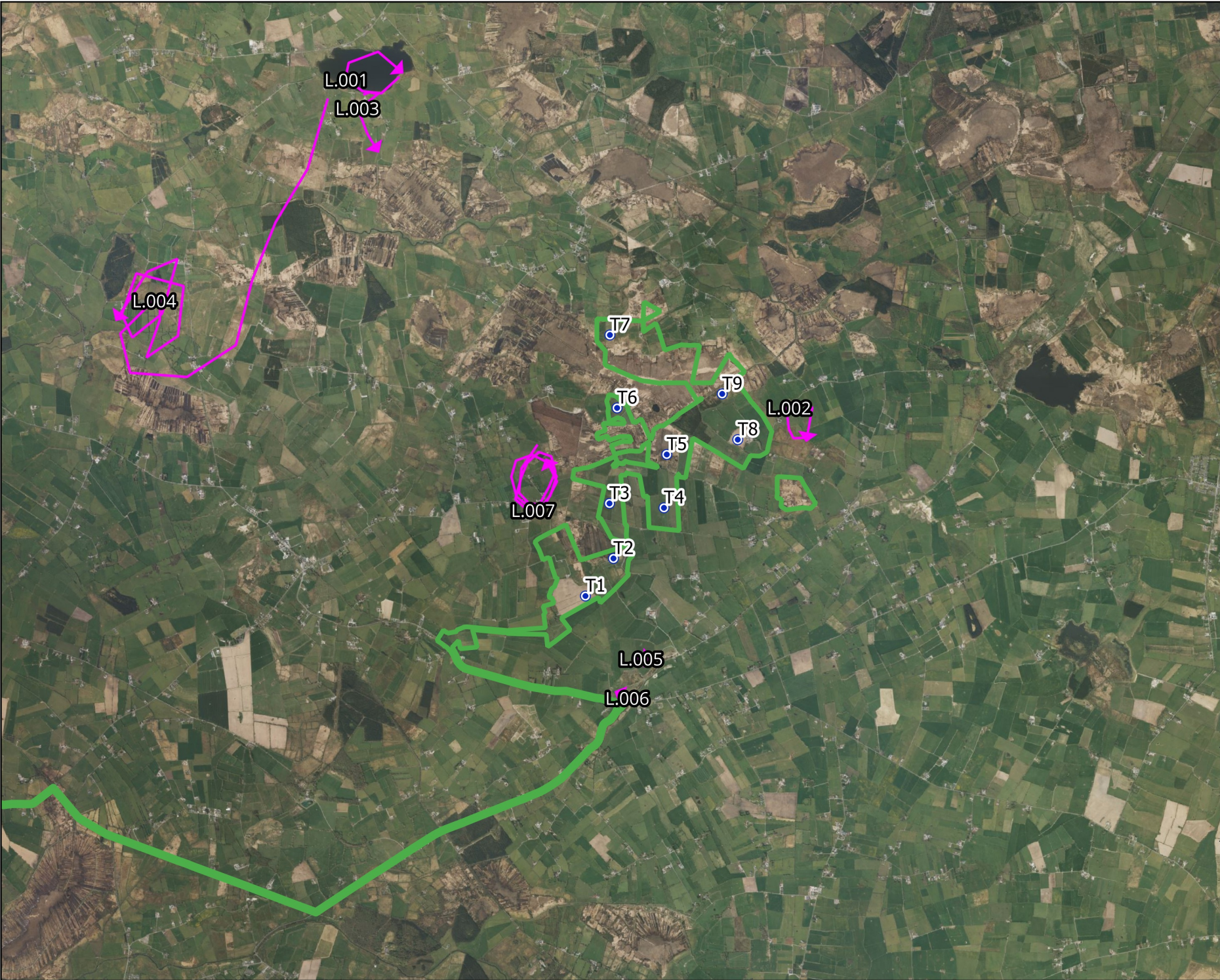
Drawing Title  
Lapwing  
Waterbird Distribution and Abundance  
Survey

Project Title  
Cooloo Wind Farm, Co. Galway

|                         |                           |
|-------------------------|---------------------------|
| Drawn By<br>SD          | Checked By<br>PC          |
| Project No.<br>190723-m | Drawing No.<br>Fig 7-4-28 |
| Scale<br>1:75,000       | Date<br>2025.09.18        |

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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Lapwing<br>Incidental Records                                                                                                                                                                                                                                            |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-29  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:55,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |



13.

## LONG-EARED OWL

Table 7 - 4 - 30 Long-eared owl incidental records

| Ref.  | Location                  | Date       | Time  | Species        | Number | Habitat and activity                       | Surveyor |
|-------|---------------------------|------------|-------|----------------|--------|--------------------------------------------|----------|
| LE001 | Vantage Point Survey; VP1 | 30/03/2021 | 06:20 | Long-eared Owl | 1      | cutover bog; crossing road in front of car | JK       |





Map Legend

- EIAR Site Boundary
- Turbine Locations
- Species Record



Drawing Title

Long-eared Owl  
Incidental Records

Project Title

Cooloo Wind Farm, Co. Galway

|             |          |             |            |
|-------------|----------|-------------|------------|
| Drawn By    | SD       | Checked By  | PC         |
| Project No. | 190723-m | Drawing No. | Fig 7-4-30 |
| Scale       | 1:20,000 | Date        | 2025.09.18 |

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14.

## MERLIN

Table 7 - 4 - 31 Merlin vantage point survey data

| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                        | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ML001 | VP2 | 24/10/2019 | 16:56 | Merlin  | 1      | 8                      | 8      | 0      | 0      | 0      | wet grassland and woodland and scrub; flying, hunting, flew right over my head, following hedgerow/gate                                     | MP       |
| ML002 | VP1 | 12/12/2020 | 10:50 | Merlin  | 2      | 25                     | 25     | 0      | 0      | 0      | raised bog and cutover bog; initially interacting; flight by male, followed 30 seconds later by female; both landed on bog, height to 3m    | PT       |
| ML003 | VP1 | 12/12/2020 | 10:54 | Merlin  | 1      | 30                     | 30     | 0      | 0      | 0      | cutover bog and raised bog; flew from perch on bog, height 1-5m                                                                             | PT       |
| ML004 | VP1 | 12/12/2020 | 10:54 | Merlin  | 1      | 55                     | 25     | 10     | 20     | 0      | raised bog, woodland and scrub and improved agricultural grassland; flew from perch on bog, height 1m ascending to 30m                      | PT       |
| ML005 | VP1 | 12/12/2020 | 12:21 | Merlin  | 1      | 20                     | 20     | 0      | 0      | 0      | raised bog; landed in small tree, height 2m                                                                                                 | PT       |
| ML006 | VP1 | 12/12/2020 | 12:23 | Merlin  | 1      | 75                     | 75     | 0      | 0      | 0      | cutover bog; hunting; paused to chase small passerine, probably reed bunting; landed in tree, height 1-12m                                  | PT       |
| ML007 | VP1 | 12/12/2020 | 12:27 | Merlin  | 1      | 50                     | 50     | 0      | 0      | 0      | cutover bog and improved agricultural grassland; direct hunting flight from tree towards starlings/thrushes feeding on pasture, height 1-8m | PT       |

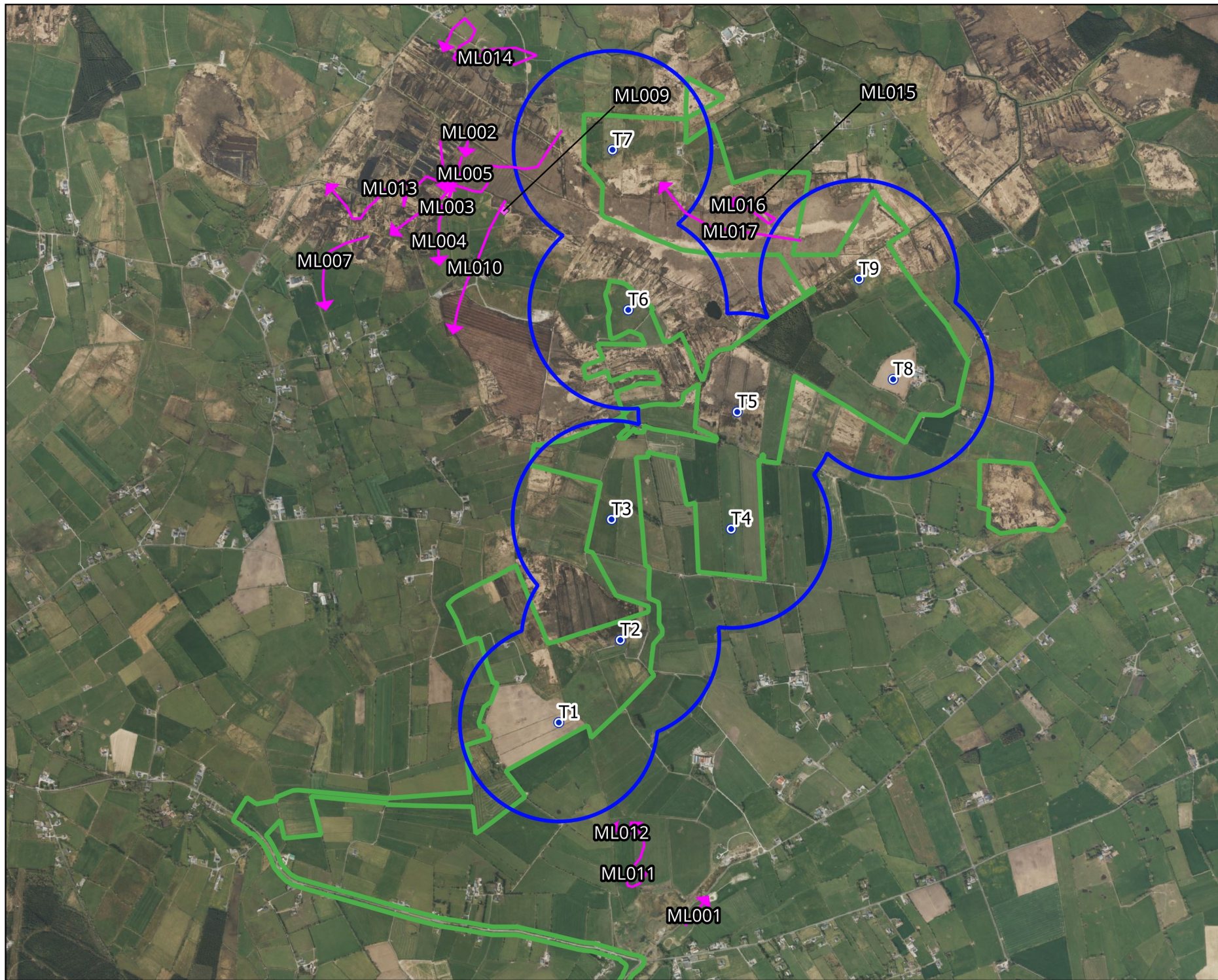
| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                                                                                                                              | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| ML008 | VP1 | 12/12/2020 | 12:59 | Merlin  | 1      | 40                     | 40     | 0      | 0      | 0      | cutover bog and raised bog; interacting with kestrel initially (kestrel with prey), landed on bog briefly, height to 10m, kestrel just behind vp (at start of merlin flight line), briefly landed with prey on cutover bog, not seen subsequently | PT       |
| ML009 | VP1 | 12/12/2020 | 13:29 | Merlin  | 1      | -                      | -      | -      | -      | -      | raised bog and scrub; perched in tree, preening; remained to end of first three hour survey, no flight                                                                                                                                            | PT       |
| ML010 | VP1 | 12/12/2020 | 14:16 | Merlin  | 1      | 55                     | 55     | 0      | 0      | 0      | raised bog, scrub and improved agricultural grassland; perched in tree since 1400, height 2-15m                                                                                                                                                   | PT       |
| ML011 | VP2 | 14/12/2020 | 11:33 | Merlin  | 1      | 55                     | 55     | 0      | 0      | 0      | conifer plantation and improved agricultural grassland; flying around spruces then across pasture to perch on bush                                                                                                                                | PT       |
| ML012 | VP2 | 14/12/2020 | 11:36 | Merlin  | 1      | 10                     | 10     | 0      | 0      | 0      | improved agricultural grassland; low flight, lost to view behind high ground                                                                                                                                                                      | PT       |
| ML013 | VP1 | 13/01/2022 | 13:44 | Merlin  | 1      | 180                    | 160    | 20     | 0      | 0      | cutover bog; hunting                                                                                                                                                                                                                              | JK       |
| ML014 | VP1 | 13/01/2022 | 14:48 | Merlin  | 1      | 20                     | 20     | 0      | 0      | 0      | cutover bog; hunting, female                                                                                                                                                                                                                      | JK       |
| ML015 | VP3 | 21/02/2024 | 13:25 | Merlin  | 1      | -                      | -      | -      | -      | -      | bogs; perched                                                                                                                                                                                                                                     | LDV      |
| ML016 | VP3 | 21/02/2024 | 13:26 | Merlin  | 1      | 17                     | 17     | 0      | 0      | 0      | bogs; hunting                                                                                                                                                                                                                                     | LDV      |
| ML017 | VP3 | 09/05/2024 | 10:44 | Merlin  | 1      | 26                     | 0      | 0      | 26     | 0      | bogs; mobbed, chased by raven                                                                                                                                                                                                                     | LDV      |



Table 7 - 4 - 32 Merlin winter walkover survey data

| Ref.  | Date       | Time  | Transect       | Species | Number | Habitat and activity                                       | Surveyor |
|-------|------------|-------|----------------|---------|--------|------------------------------------------------------------|----------|
| ML001 | 04/02/2021 | 11:32 | 500M<br>RADIUS | Merlin  | 1      | wet willow-alder-ash woodland; hunting, female (wintering) | JK       |
| ML002 | 01/02/2022 | 16:32 | 500M<br>RADIUS | Merlin  | 1      | improved agricultural grassland; hunting (wintering)       | JK       |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



|                                                                                                                                                                                 |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                   |             |
| Merlin<br>Vantage Point Survey                                                                                                                                                  |             |
| Project Title                                                                                                                                                                   |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                    |             |
| Drawn By                                                                                                                                                                        | Checked By  |
| SD                                                                                                                                                                              | PC          |
| Project No.                                                                                                                                                                     | Drawing No. |
| 190723-m                                                                                                                                                                        | Fig 7-4-31  |
| Scale                                                                                                                                                                           | Date        |
| 1:25,000                                                                                                                                                                        | 2025.09.18  |
| MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VW84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Merlin                                                                                                                                                                                                                                                                   |             |
| Winter Walkover Survey                                                                                                                                                                                                                                                   |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-32  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:25,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |



15.

## MEADOW PIPIT

Table 7 - 4 - 33 Meadow pipit vantage point survey data

| Ref.  | VP  | Date       | Time         | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity  | Surveyor |
|-------|-----|------------|--------------|--------------|--------|------------------------|--------|--------|--------|--------|-----------------------|----------|
| MP001 | VP1 | 16/10/2019 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | MP       |
| MP002 | VP3 | 15/04/2020 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| MP003 | VP3 | 23/06/2020 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| MP004 | VP3 | 24/07/2020 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| MP005 | VP1 | 03/09/2020 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| MP006 | VP2 | 14/12/2020 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | PT       |
| MP007 | VP1 | 12/01/2021 | 11:00        | Meadow Pipit | 11     | -                      | -      | -      | -      | -      | cutover bog; present  | JK       |
| MP008 | VP3 | 28/01/2021 | not recorded | Meadow Pipit | 5      | -                      | -      | -      | -      | -      | not recorded; present | PC       |
| MP009 | VP3 | 24/03/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| MP010 | VP3 | 06/04/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |



| Ref.  | VP  | Date       | Time         | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                 | Surveyor |
|-------|-----|------------|--------------|--------------|--------|------------------------|--------|--------|--------|--------|--------------------------------------------------------------------------------------------------------------------------------------|----------|
| MP011 | VP1 | 16/04/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                                                                | JK       |
| MP012 | VP2 | 16/04/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                                                                | JK       |
| MP013 | VP3 | 12/05/2021 | not recorded | Meadow Pipit | 12     | -                      | -      | -      | -      | -      | not recorded; present, peak count                                                                                                    | JK       |
| MP014 | VP1 | 24/05/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                                                                | JK       |
| MP015 | VP3 | 15/06/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                                                                | JK       |
| MP016 | VP1 | 30/06/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                                                                | JK       |
| MP017 | VP1 | 30/06/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                                                                | JK       |
| MP018 | VP2 | 20/07/2021 | 13:05        | Meadow Pipit | 1      | 15                     | 15     | 0      | 0      | 0      | improved agricultural grassland; foraging in wet area of reed bed., pair walking and foraging in a wet area of the reed bed/dry lake | SJ       |
| MP019 | VP1 | 19/08/2021 | not recorded | Meadow Pipit | 8      | -                      | -      | -      | -      | -      | not recorded; present, peak count                                                                                                    | JK       |
| MP020 | VP3 | 23/08/2021 | not recorded | Meadow Pipit | 15     | -                      | -      | -      | -      | -      | not recorded; present, peak count                                                                                                    | JK       |

| Ref.  | VP  | Date       | Time         | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                    | Surveyor |
|-------|-----|------------|--------------|--------------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------------------------------------------------------|----------|
| MP021 | VP1 | 20/09/2021 | not recorded | Meadow Pipit | 17     | -                      | -      | -      | -      | -      | not recorded; present, peak count                                                       | JK       |
| MP022 | VP1 | 12/10/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                   | JK       |
| MP023 | VP3 | 19/10/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                   | JK       |
| MP024 | VP1 | 09/11/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                   | JK       |
| MP025 | VP2 | 10/11/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                   | JK       |
| MP026 | VP3 | 16/11/2021 | not recorded | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                                   | JK       |
| MP027 | VP3 | 04/03/2022 | 13:52        | Meadow Pipit | 2      | 16                     | 16     | 0      | 0      | 0      | improved agricultural grassland; flying singing                                         | ZE       |
| MP028 | VP3 | 04/03/2022 | 18:06        | Meadow Pipit | 2      | 7                      | 7      | 0      | 0      | 0      | improved agricultural grassland and bogs; flying, calling                               | ZE       |
| MP029 | VP1 | 08/03/2022 | 15:10        | Meadow Pipit | 1      | 10                     | 10     | 0      | 0      | 0      | bogs; flying, calling                                                                   | ZE       |
| MP030 | VP1 | 08/03/2022 | 16:40        | Meadow Pipit | 1      | 5                      | 5      | 0      | 0      | 0      | bogs; flying                                                                            | ZE       |
| MP031 | VP1 | 08/03/2022 | 18:31        | Meadow Pipit | 2      | 5                      | 5      | 0      | 0      | 0      | bogs; flying                                                                            | ZE       |
| MP032 | VP2 | 09/03/2022 | 13:05        | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | improved agricultural grassland and lakes and ponds; perching, feeding                  | ZE       |
| MP033 | VP2 | 09/03/2022 | 14:28        | Meadow Pipit | 1      | 7                      | 7      | 0      | 0      | 0      | improved agricultural grassland and lakes and ponds; flying, perched on a tree and sing | ZE       |



| Ref.  | VP  | Date       | Time  | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                    | Surveyor |
|-------|-----|------------|-------|--------------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------------------------------------------------------|----------|
| MP034 | VP2 | 09/03/2022 | 14:30 | Meadow Pipit | 1      | 69                     | 69     | 0      | 0      | 0      | improved agricultural grassland and lakes and ponds; flying, flew back where it started | ZE       |
| MP035 | VP2 | 09/03/2022 | 16:55 | Meadow Pipit | 1      | 9                      | 9      | 0      | 0      | 0      | improved agricultural grassland and lakes and ponds; flying, calling                    | ZE       |
| MP036 | VP2 | 23/10/2023 | 17:05 | Meadow Pipit | 35     | 28                     | 0      | 0      | 28     | 0      | improved grassland; travelling                                                          | LDV      |
| MP037 | VP2 | 15/11/2023 | 10:00 | Meadow Pipit | 12     | 10                     | 0      | 10     | 0      | 0      | improved grassland and lakes and ponds; travelling                                      | LDV      |
| MP038 | VP3 | 16/04/2024 | 18:48 | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | hedgerows and bogs; calling, travelling, throughout survey                              | LDV      |
| MP039 | VP1 | 01/05/2024 | 08:42 | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | bogs; displaying, throughout the survey                                                 | LDV      |
| MP040 | VP3 | 09/05/2024 | 09:28 | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | bogs; calling, heard not seen                                                           | LDV      |
| MP041 | VP3 | 26/06/2024 | 07:39 | Meadow Pipit | 4      | -                      | -      | -      | -      | -      | bogs, improved grassland and hedgerows; flying around                                   | LDV      |
| MP042 | VP2 | 09/07/2024 | 11:18 | Meadow Pipit | 1      | 18                     | 18     | 0      | 0      | 0      | improved agricultural grassland; travelling                                             | MH       |
| MP043 | VP2 | 09/07/2024 | 13:59 | Meadow Pipit | 1      | 32                     | 32     | 0      | 0      | 0      | improved agricultural grassland; travelling                                             | MH       |
| MP044 | VP1 | 10/07/2024 | 11:09 | Meadow Pipit | 3      | 42                     | 42     | 0      | 0      | 0      | bogs; displaying                                                                        | MH       |
| MP045 | VP1 | 10/07/2024 | 14:50 | Meadow Pipit | 1      | 14                     | 14     | 0      | 0      | 0      | bogs; travelling                                                                        | MH       |
| MP046 | VP1 | 10/07/2024 | 16:30 | Meadow Pipit | 1      | 19                     | 19     | 0      | 0      | 0      | bogs; travelling                                                                        | MH       |
| MP047 | VP1 | 10/07/2024 | 16:50 | Meadow Pipit | 1      | 19                     | 0      | 19     | 0      | 0      | bogs; travelling                                                                        | MH       |
| MP048 | VP1 | 02/08/2024 | 16:07 | Meadow Pipit | 1      | 17                     | 17     | 0      | 0      | 0      | bogs; travelling                                                                        | MH       |
| MP049 | VP1 | 02/08/2024 | 20:37 | Meadow Pipit | 1      | 15                     | 15     | 0      | 0      | 0      | bogs; travelling                                                                        | MH       |

| Ref.  | VP  | Date       | Time  | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                      | Surveyor |
|-------|-----|------------|-------|--------------|--------|------------------------|--------|--------|--------|--------|---------------------------------------------------------------------------|----------|
| MP050 | VP2 | 09/08/2024 | 12:28 | Meadow Pipit | 1      | 17                     | 0      | 17     | 0      | 0      | improved agricultural grassland; travelling                               | MH       |
| MP051 | VP3 | 12/08/2024 | 11:05 | Meadow Pipit | 1      | 15                     | 15     | 0      | 0      | 0      | improved agricultural grassland; travelling                               | MH       |
| MP052 | VP3 | 12/08/2024 | 12:22 | Meadow Pipit | 1      | 18                     | 18     | 0      | 0      | 0      | improved agricultural grassland; travelling                               | MH       |
| MP053 | VP3 | 12/08/2024 | 12:42 | Meadow Pipit | 3      | 22                     | 0      | 22     | 0      | 0      | improved agricultural grassland; travelling, calling                      | MH       |
| MP054 | VP1 | 19/09/2024 | 12:42 | Meadow Pipit | 32     | -                      | -      | -      | -      | -      | cutover bog; flitting, travelling, seen throughout                        | CC       |
| MP055 | VP3 | 25/09/2024 | 12:30 | Meadow Pipit | 13     | -                      | -      | -      | -      | -      | treelines; flitting, seen throughout                                      | CC       |
| MP056 | VP1 | 02/10/2024 | 17:23 | Meadow Pipit | 16     | -                      | -      | -      | -      | -      | bogs; calling, throughout the survey                                      | LDV      |
| MP057 | VP1 | 18/11/2024 | 13:17 | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | bogs; flitting                                                            | LDV      |
| MP058 | VP3 | 20/11/2024 | 13:31 | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | bogs and hedgerows; flitting                                              | LDV      |
| MP059 | VP2 | 29/11/2024 | 17:16 | Meadow Pipit | 35     | -                      | -      | -      | -      | -      | lakes and ponds and improved agricultural grassland; travelling, flitting | LDV      |
| MP060 | VP3 | 12/12/2024 | 12:45 | Meadow Pipit | 1      | -                      | -      | -      | -      | -      | wet grassland and linear woodland/scrub; calling, flitting                | PDC      |
| MP061 | VP1 | 07/01/2025 | 13:04 | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | bogs; flitting                                                            | LDV      |
| MP062 | VP2 | 23/01/2025 | 13:32 | Meadow Pipit | 17     | -                      | -      | -      | -      | -      | improved agricultural grassland; travelling, flitting                     | LDV      |
| MP063 | VP3 | 31/01/2025 | 13:49 | Meadow Pipit | 10     | -                      | -      | -      | -      | -      | hedgerows and semi-natural grassland; flitting                            | LDV      |
| MP064 | VP2 | 06/02/2025 | 17:41 | Meadow Pipit | 4      | -                      | -      | -      | -      | -      | hedgerows; flitting                                                       | LDV      |
| MP065 | VP1 | 26/02/2025 | 12:32 | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | bogs; flitting                                                            | PDC      |



| Ref.  | VP  | Date       | Time  | Species      | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity | Surveyor |
|-------|-----|------------|-------|--------------|--------|------------------------|--------|--------|--------|--------|----------------------|----------|
| MP066 | VP1 | 04/03/2025 | 11:25 | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | bogs; displaying     | LDV      |
| MP067 | VP3 | 13/03/2025 | 12:28 | Meadow Pipit | 2      | -                      | -      | -      | -      | -      | bogs; displaying     | LDV      |

Table 7 - 4 - 34 Meadow pipit winter walkover survey data

| Ref.  | Date       | Time         | Transect    | Species      | Number | Habitat and activity                                                            | Surveyor |
|-------|------------|--------------|-------------|--------------|--------|---------------------------------------------------------------------------------|----------|
| MP001 | 11/10/2019 | not recorded | 500M RADIUS | Meadow Pipit | 3      | not recorded; calling flying (wintering)                                        | MP       |
| MP002 | 04/02/2021 | not recorded | 500M RADIUS | Meadow Pipit | 1      | not recorded; (wintering)                                                       | JK       |
| MP003 | 02/03/2021 | not recorded | 500M RADIUS | Meadow Pipit | 1      | not recorded; present (wintering)                                               | JK       |
| MP004 | 13/10/2021 | not recorded | 500M RADIUS | Meadow Pipit | 1      | not recorded; present (wintering)                                               | JK       |
| MP005 | 03/03/2022 | 10:32        | 500M RADIUS | Meadow Pipit | 4      | bogs and improved agricultural grassland; flying, perching, singing (wintering) | ZE       |
| MP006 | 03/03/2022 | 11:12        | 500M RADIUS | Meadow Pipit | 1      | bogs; flying, singing (wintering)                                               | ZE       |
| MP007 | 03/03/2022 | 12:43        | 500M RADIUS | Meadow Pipit | 4      | bogs; flying, calling (wintering)                                               | ZE       |
| MP008 | 03/03/2022 | 12:49        | 500M RADIUS | Meadow Pipit | 1      | bogs; perching, singing (wintering)                                             | ZE       |
| MP009 | 03/03/2022 | 14:40        | 500M RADIUS | Meadow Pipit | 2      | bogs; flying, calling (wintering)                                               | ZE       |
| MP010 | 03/03/2022 | 15:15        | 500M RADIUS | Meadow Pipit | 1      | bogs and improved agricultural grassland; flying, calling (wintering)           | ZE       |

| Ref.  | Date       | Time  | Transect    | Species      | Number | Habitat and activity                                                      | Surveyor |
|-------|------------|-------|-------------|--------------|--------|---------------------------------------------------------------------------|----------|
| MP011 | 03/03/2022 | 15:35 | 500M RADIUS | Meadow Pipit | 1      | improved agricultural grassland and bogs; perching, singing (wintering)   | ZE       |
| MP012 | 12/10/2023 | 09:57 | 500M RADIUS | Meadow Pipit | 2      | linear woodland/scrub and improved grassland; flying (wintering)          | LDV      |
| MP013 | 12/10/2023 | 10:44 | 500M RADIUS | Meadow Pipit | 1      | improved grassland and linear woodland/scrub; flying (wintering)          | LDV      |
| MP014 | 12/10/2023 | 11:11 | 500M RADIUS | Meadow Pipit | 25     | improved grassland; flying (wintering)                                    | LDV      |
| MP015 | 12/10/2023 | 11:57 | 500M RADIUS | Meadow Pipit | 10     | improved grassland and bogs; flying (wintering)                           | LDV      |
| MP016 | 14/11/2023 | 09:50 | 500M RADIUS | Meadow Pipit | 3      | improved grassland; travelling (wintering)                                | LDV      |
| MP017 | 14/11/2023 | 12:19 | 500M RADIUS | Meadow Pipit | 24     | improved grassland; travelling (wintering)                                | LDV      |
| MP018 | 07/03/2024 | 12:29 | 500M RADIUS | Meadow Pipit | 2      | improved grassland; displaying (courtship and display; probable breeding) | LDV      |
| MP019 | 07/03/2024 | 14:06 | 500M RADIUS | Meadow Pipit | 3      | hedgerows and improved grassland; flying (wintering)                      | LDV      |
| MP020 | 01/11/2024 | 13:28 | T1          | Meadow Pipit | 4      | cutover bog; flitting (wintering)                                         | LDV      |
| MP021 | 10/01/2025 | 10:38 | T1          | Meadow Pipit | 2      | bogs; flitting (wintering)                                                | LDV      |
| MP022 | 10/01/2025 | 11:31 | T1          | Meadow Pipit | 1      | improved agricultural grassland; flitting (wintering)                     | LDV      |
| MP023 | 12/03/2025 | 14:41 | T1          | Meadow Pipit | 8      | improved agricultural grassland; travelling (wintering)                   | LDV      |
| MP024 | 12/03/2025 | 16:42 | T1          | Meadow Pipit | 13     | improved agricultural grassland and hedgerows; travelling (wintering)     | LDV      |



Table 7 - 4 - 35 Meadow pipit breeding walkover survey data

| Ref.  | Date       | Time         | Transect    | Species      | Number | Habitat and activity                                                                               | Surveyor |
|-------|------------|--------------|-------------|--------------|--------|----------------------------------------------------------------------------------------------------|----------|
| MP001 | 21/04/2020 | not recorded | 500M RADIUS | Meadow Pipit | 1      | habitat not recorded; present (breeding status not recorded)                                       | JK       |
| MP002 | 03/06/2020 | not recorded | 500M RADIUS | Meadow Pipit | 1      | habitat not recorded; present (breeding status not recorded)                                       | JK       |
| MP003 | 09/07/2020 | not recorded | 500M RADIUS | Meadow Pipit | 1      | habitat not recorded; present (breeding status not recorded)                                       | JK       |
| MP004 | 09/07/2020 | not recorded | 500M RADIUS | Meadow Pipit | 1      | habitat not recorded; present (breeding status not recorded)                                       | JK       |
| MP005 | 05/07/2021 | not recorded | 500M RADIUS | Meadow Pipit | 1      | habitat not recorded; present (breeding status not recorded)                                       | JK       |
| MP006 | 05/07/2021 | not recorded | 500M RADIUS | Meadow Pipit | 18     | habitat not recorded; present, peak count (breeding status not recorded)                           | JK       |
| MP007 | 22/05/2024 | 06:50        | T1          | Meadow Pipit | 2      | hedgerows; calling (singing male; possible breeder)                                                | LDV      |
| MP008 | 22/05/2024 | 09:31        | T1          | Meadow Pipit | 1      | hedgerows and improved grassland; calling (singing male; possible breeder)                         | LDV      |
| MP009 | 18/06/2024 | 08:13        | T1          | Meadow Pipit | 2      | hedgerows and improved grassland; travelling (suitable nesting habitat; possible breeder)          | LDV      |
| MP010 | 18/06/2024 | 08:59        | T1          | Meadow Pipit | 1      | hedgerows and improved grassland; travelling, perched (suitable nesting habitat; possible breeder) | LDV      |
| MP011 | 23/07/2024 | 09:26        | T1          | Meadow Pipit | 4      | hedgerows and improved grassland; flitting (singing male; possible breeder)                        | LDV      |
| MP012 | 23/07/2024 | 09:27        | T1          | Meadow Pipit | 2      | hedgerows and improved grassland; travelling (singing male; possible breeder)                      | LDV      |
| MP013 | 23/07/2024 | 11:06        | T1          | Meadow Pipit | 2      | hedgerows and improved grassland; flushed (suitable nesting habitat; possible breeder)             | LDV      |

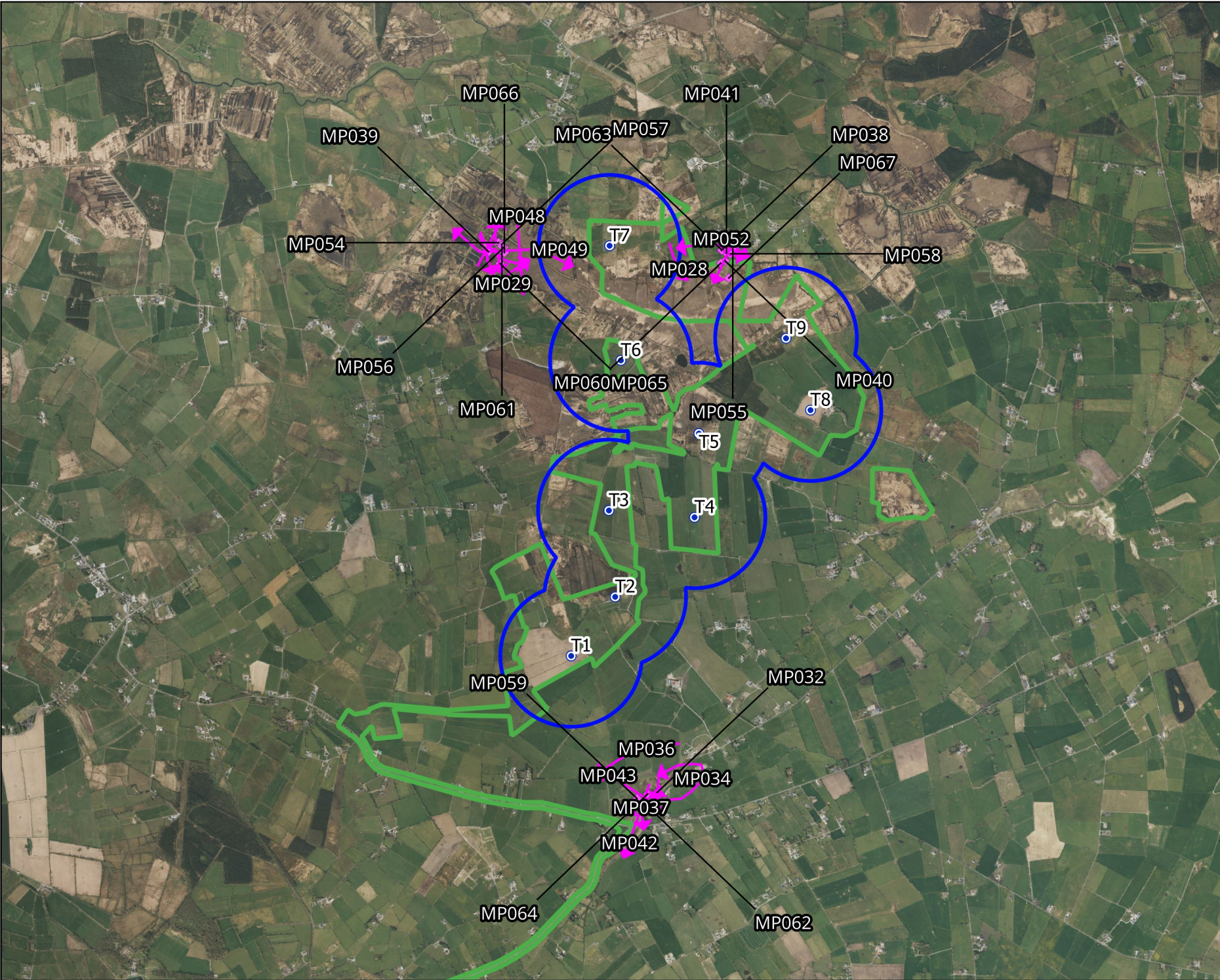
Table 7 - 4 - 36 Meadow pipit incidental records

| Ref.  | Location                                                                     | Date       | Time         | Species      | Number | Habitat and activity                                                   | Surveyor |
|-------|------------------------------------------------------------------------------|------------|--------------|--------------|--------|------------------------------------------------------------------------|----------|
| MP001 | Breeding Raptor Survey; BR1                                                  | 22/04/2020 | not recorded | Meadow Pipit | 1      | habitat not recorded; present                                          | JK       |
| MP002 | Breeding Raptor Survey; BR4                                                  | 28/04/2020 | not recorded | Meadow Pipit | 1      | habitat not recorded; present                                          | JK       |
| MP003 | Hen Harrier Roost Survey; HHVP2                                              | 19/02/2021 | not recorded | Meadow Pipit | 1      | habitat not recorded; present                                          | JK       |
| MP004 | Hen Harrier Roost Survey; HHVP4                                              | 24/02/2021 | not recorded | Meadow Pipit | 1      | habitat not recorded; present                                          | JK       |
| MP005 | Hen Harrier Roost Survey; Corralea - HHVP1                                   | 01/03/2022 | 17:06        | Meadow Pipit | 1      | bogs and improved agricultural grassland; flying east                  | ZE       |
| MP006 | Hen Harrier Roost Survey; Cloondahamper                                      | 02/03/2022 | 17:02        | Meadow Pipit | 12     | cutover bog and improved agricultural grassland; flying                | ZE       |
| MP007 | Hen Harrier Roost Survey; Trasternagh north HHVP3                            | 14/03/2022 | 07:47        | Meadow Pipit | 1      | bogs; flying calling                                                   | ZE       |
| MP008 | Hen Harrier Roost Survey; Trasternagh north                                  | 14/03/2022 | 08:02        | Meadow Pipit | 2      | bogs; flying calling                                                   | ZE       |
| MP009 | Hen Harrier Roost Survey; HHVP4 Derrynacrick lough                           | 14/03/2022 | 17:38        | Meadow Pipit | 10     | bogs; perched on tree, flying                                          | ZE       |
| MP010 | Waterbird Distribution and Abundance Survey; Derrinacrick lough Cloonascragh | 15/03/2022 | 10:33        | Meadow Pipit | 2      | bogs and improved agricultural grassland; flying, calling              | ZE       |
| MP011 | Waterbird Distribution and Abundance Survey; Derrinacrick lough Derrubaaun   | 15/03/2022 | 10:34        | Meadow Pipit | 10     | bogs and improved agricultural grassland; flying                       | ZE       |
| MP012 | Hen Harrier Roost Survey; Corralea                                           | 09/10/2023 | 18:29        | Meadow Pipit | 23     | bogs; flying, calling                                                  | LDV      |
| MP013 | Hen Harrier Roost Survey; Corralea                                           | 09/10/2023 | 18:29        | Meadow Pipit | 1      | bogs and linear woodland/scrub; calling, calling throughout the survey | LDV      |



| Ref.  | Location                                              | Date       | Time  | Species      | Number | Habitat and activity                                             | Surveyor |
|-------|-------------------------------------------------------|------------|-------|--------------|--------|------------------------------------------------------------------|----------|
| MP014 | Hen Harrier Roost Survey; HHVP2                       | 16/10/2023 | 19:11 | Meadow Pipit | 1      | bogs; calling, calling throughout the survey                     | LDV      |
| MP015 | Hen Harrier Roost Survey; HHVP4                       | 19/10/2023 | 17:56 | Meadow Pipit | 9      | improved grassland, scrub/transitional woodland and bogs; flying | LDV      |
| MP016 | Hen Harrier Roost Survey; HHVP4                       | 19/10/2023 | 18:18 | Meadow Pipit | 15     | bogs and improved grassland; flying                              | LDV      |
| MP017 | Hen Harrier Roost Survey; HHVP3                       | 25/01/2024 | 15:49 | Meadow Pipit | 8      | bogs; flitting                                                   | CG       |
| MP018 | Waterbird Distribution and Abundance Survey; Barnderg | 15/03/2024 | 12:29 | Meadow Pipit | 1      | improved grassland; calling                                      | LDV      |
| MP019 | Breeding Raptor Survey; BR8                           | 03/04/2024 | 12:41 | Meadow Pipit | 2      | bogs; calling, throughout the survey                             | LDV      |
| MP020 | Breeding Raptor Survey; BR10                          | 04/04/2024 | 15:52 | Meadow Pipit | 2      | improved grassland; flying around                                | LDV      |
| MP021 | Breeding Raptor Survey; BR6                           | 18/04/2024 | 18:39 | Meadow Pipit | 2      | bogs; displaying                                                 | LDV      |
| MP022 | Breeding Raptor Survey; BR8                           | 06/06/2024 | 12:04 | Meadow Pipit | 1      | bogs; flying                                                     | LDV      |
| MP023 | Breeding Raptor Survey; BR6                           | 21/06/2024 | 06:50 | Meadow Pipit | 4      | bogs; calling                                                    | LDV      |
| MP024 | Breeding Raptor Survey; BR8                           | 04/07/2024 | 14:34 | Meadow Pipit | 4      | bogs; calling                                                    | LDV      |
| MP025 | Hen Harrier Roost Survey; HHVP2                       | 13/11/2024 | 08:14 | Meadow Pipit | 2      | bogs; flitting                                                   | LDV      |
| MP026 | Hen Harrier Roost Survey; HHVP1a                      | 13/12/2024 | 16:49 | Meadow Pipit | 6      | bogs; flitting                                                   | LDV      |
| MP027 | Hen Harrier Roost Survey; HHVP2                       | 16/12/2024 | 09:23 | Meadow Pipit | 6      | upland blanket bog; flitting                                     | LDV      |
| MP028 | Hen Harrier Roost Survey; HHVP1a                      | 10/01/2025 | 10:20 | Meadow Pipit | 2      | bogs; flitting                                                   | LDV      |
| MP029 | Hen Harrier Roost Survey; HHVP3                       | 18/03/2025 | 19:22 | Meadow Pipit | 2      | bogs; flitting, displaying                                       | LDV      |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



|                                                                                                                                                                                 |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                   |             |
| Meadow Pipit<br>Vantage Point Survey                                                                                                                                            |             |
| Project Title                                                                                                                                                                   |             |
| Coolool Wind Farm, Co. Galway                                                                                                                                                   |             |
| Drawn By                                                                                                                                                                        | Checked By  |
| SD                                                                                                                                                                              | PC          |
| Project No.                                                                                                                                                                     | Drawing No. |
| 190723-m                                                                                                                                                                        | Fig 7-4-33  |
| Scale                                                                                                                                                                           | Date        |
| 1:35,000                                                                                                                                                                        | 2025.09.18  |
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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title

Meadow Pipit  
Winter Walkover Survey

Project Title

Cooloo Wind Farm, Co. Galway

Drawn By

SD

Checked By

PC

Project No.

190723-m

Drawing No.

Fig 7-4-34

Scale

1:25,000

Date

2025.09.18



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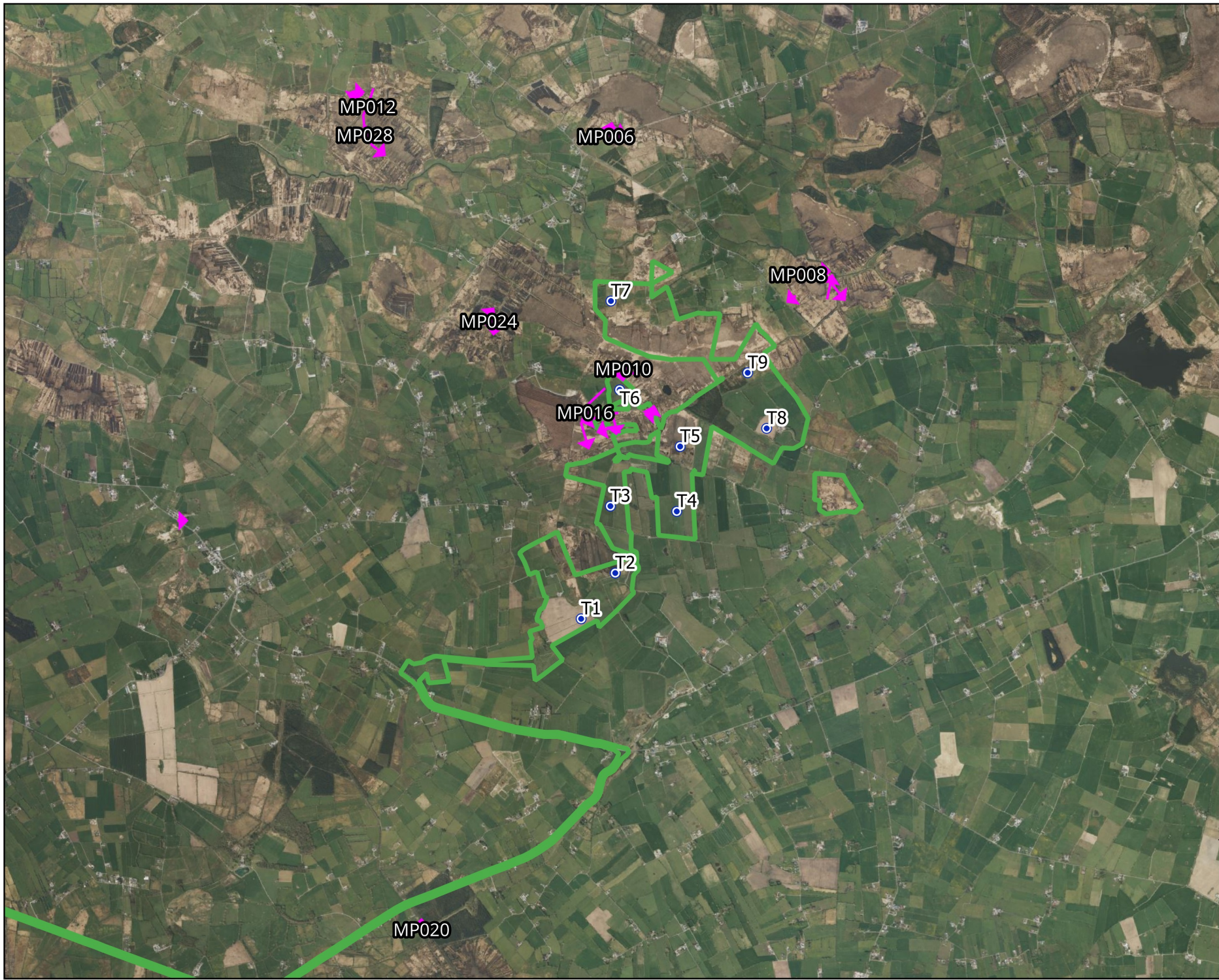
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Meadow Pipit<br>Breeding Walkover Survey                                                                                                                                                                                                                                                 |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-35  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:22,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Meadow Pipit<br>Incidental Records                                                                                                                                                                                                                                                       |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-36  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:45,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
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16.

## PEREGRINE FALCON

Table 7 - 4 - 37 Peregrine falcon vantage point survey data

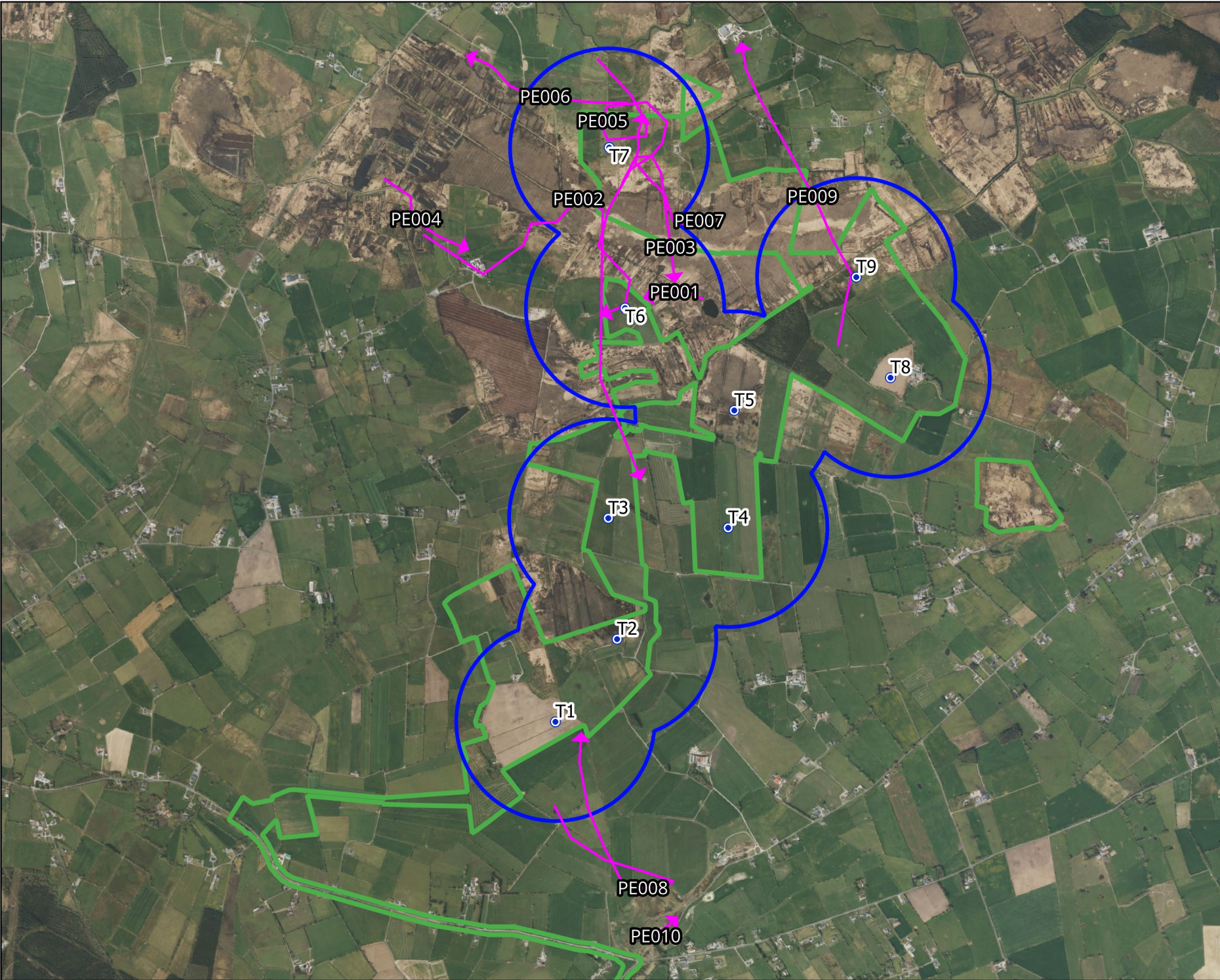
| Ref.  | VP  | Date       | Time  | Species          | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                                              | Surveyor |
|-------|-----|------------|-------|------------------|--------|------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| PE001 | VP3 | 16/12/2019 | 14:21 | Peregrine Falcon | 1      | 5                      | 5      | 0      | 0      | 0      | bogs; glimpse flying just over bog towards west                                                                                                                   | MP       |
| PE002 | VP1 | 17/01/2020 | 10:39 | Peregrine Falcon | 1      | 360                    | 0      | 120    | 240    | 0      | improved agricultural grassland and bogs; flew to perch on tree. took off after struggling on the branches. hunting behaviour. out of sight south in the distance | MP       |
| PE003 | VP1 | 17/01/2020 | 13:16 | Peregrine Falcon | 1      | 240                    | 5      | 185    | 50     | 0      | bogs; hunting. down and up twice, still hunting - missed. out of sight south behind trees                                                                         | MP       |
| PE004 | VP1 | 08/06/2020 | 11:15 | Peregrine Falcon | 1      | 7                      | 7      | 0      | 0      | 0      | cutover bog; hunting corvids                                                                                                                                      | JK       |
| PE005 | VP1 | 08/06/2020 | 11:40 | Peregrine Falcon | 1      | 40                     | 0      | 10     | 30     | 0      | cutover bog; soaring, adult female                                                                                                                                | JK       |
| PE006 | VP3 | 20/10/2021 | 15:53 | Peregrine Falcon | 1      | 60                     | 0      | 30     | 30     | 0      | cutover bog; hunting and travelling                                                                                                                               | JK       |
| PE007 | VP3 | 19/01/2022 | 15:11 | Peregrine Falcon | 1      | 30                     | 10     | 20     | 0      | 0      | cutover bog; travelling                                                                                                                                           | JK       |
| PE008 | VP2 | 20/10/2023 | 14:51 | Peregrine Falcon | 1      | 62                     | 0      | 20     | 42     | 0      | improved grassland; hunting mallard                                                                                                                               | LDV      |
| PE009 | VP3 | 25/10/2023 | 13:17 | Peregrine Falcon | 1      | 128                    | 0      | 0      | 128    | 0      | improved grassland and bogs; hunting, hunting a thrush                                                                                                            | LDV      |
| PE010 | VP2 | 12/03/2025 | 08:09 | Peregrine Falcon | 1      | 12                     | 12     | 0      | 0      | 0      | turloughs; gliding, adult female, from size. didn't see where she came from, just appeared over the vp. lost behind treeline.                                     | PDC      |



Table 7 - 4 - 38 Peregrine falcon winter walkover survey data

| Ref.  | Date       | Time  | Transect       | Species          | Number | Habitat and activity                                                                                                                                                                                                                                                                                                                       | Surveyor |
|-------|------------|-------|----------------|------------------|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| PE001 | 16/01/2020 | 13:45 | 500M<br>RADIUS | Peregrine Falcon | 1      | bogs; potential collision height to height 0, 60+60s. chased by kestrel, landed on bog still mobbed by kestrel. kestrel flew off. peregrine falcon started to eat prey (unseen until then), struggling to stay steady due to prey moving or strong wind. finished prey. stayed on ground for c.20min before flying off to east (wintering) | MP       |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Peregrine Falcon<br>Vantage Point Survey                                                                                                                                                                                                                                 |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-37  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:25,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Peregrine Falcon Winter Walkover Survey                                                                                                                                                                                                                                                  |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-38  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:25,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
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17.

## POCHARD

Table 7 - 4 - 39 Pochard waterbird distribution and abundance survey data

| Ref.  | Location            | Date       | Time  | Species | Number | Habitat and activity | Surveyor |
|-------|---------------------|------------|-------|---------|--------|----------------------|----------|
| PO001 | Carrownabo turlough | 01/03/2024 | 15:35 | Pochard | 2      | turloughs; foraging  | LDV      |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title  
Pochard  
Waterbird Distribution and Abundance  
Survey

Project Title  
Cooloo Wind Farm, Co. Galway

|                |                  |
|----------------|------------------|
| Drawn By<br>SD | Checked By<br>PC |
|----------------|------------------|

|                         |                           |
|-------------------------|---------------------------|
| Project No.<br>190723-m | Drawing No.<br>Fig 7-4-39 |
|-------------------------|---------------------------|

|                   |                    |
|-------------------|--------------------|
| Scale<br>1:55,000 | Date<br>2025.09.18 |
|-------------------|--------------------|

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18.

## REDWING

Table 7 - 4 - 40 Redwing vantage point survey data

| Ref.  | VP  | Date       | Time         | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity  | Surveyor |
|-------|-----|------------|--------------|---------|--------|------------------------|--------|--------|--------|--------|-----------------------|----------|
| RE001 | VP3 | 29/10/2019 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | MP       |
| RE002 | VP1 | 12/12/2020 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | PT       |
| RE003 | VP2 | 14/12/2020 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | PT       |
| RE004 | VP3 | 16/12/2020 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | PT       |
| RE005 | VP3 | 28/01/2021 | not recorded | Redwing | 41     | -                      | -      | -      | -      | -      | not recorded; present | PC       |
| RE006 | VP2 | 15/10/2021 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| RE007 | VP3 | 19/10/2021 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| RE008 | VP1 | 09/11/2021 | 13:10        | Redwing | 320    | 100                    | 50     | 50     | 0      | 0      | cutover bog; flying   | JK       |
| RE009 | VP1 | 09/11/2021 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |
| RE010 | VP2 | 10/11/2021 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present | JK       |



| Ref.  | VP  | Date       | Time         | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                | Surveyor |
|-------|-----|------------|--------------|---------|--------|------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------|----------|
| RE011 | VP3 | 16/11/2021 | not recorded | Redwing | 1      | -                      | -      | -      | -      | -      | not recorded; present                                                               | JK       |
| RE012 | VP2 | 15/11/2023 | 08:31        | Redwing | 40     | 25                     | 0      | 25     | 0      | 0      | improved grassland; travelling                                                      | LDV      |
| RE013 | VP2 | 15/11/2023 | 11:31        | Redwing | 24     | 37                     | 0      | 37     | 0      | 0      | improved grassland; travelling                                                      | LDV      |
| RE014 | VP3 | 14/12/2023 | 15:44        | Redwing | 28     | -                      | -      | -      | -      | -      | improved grassland and bogs; foraging in surroundings fields                        | LDV      |
| RE015 | VP3 | 30/01/2024 | 07:58        | Redwing | 1      | -                      | -      | -      | -      | -      | improved grassland; calling                                                         | LDV      |
| RE016 | VP3 | 30/01/2024 | 08:59        | Redwing | 17     | -                      | -      | -      | -      | -      | linear woodland/scrub; foraging                                                     | LDV      |
| RE017 | VP3 | 20/11/2024 | 13:31        | Redwing | 18     | -                      | -      | -      | -      | -      | improved agricultural grassland and bogs; travelling, multiple flocks of 5-18 birds | LDV      |
| RE018 | VP2 | 29/11/2024 | 12:27        | Redwing | 100    | -                      | -      | -      | -      | -      | improved agricultural grassland; foraging                                           | LDV      |
| RE019 | VP1 | 03/12/2024 | 14:33        | Redwing | 47     | -                      | -      | -      | -      | -      | improved agricultural grassland; foraging, moving around the fields                 | PDC      |
| RE020 | VP3 | 12/12/2024 | 12:44        | Redwing | 11     | -                      | -      | -      | -      | -      | wet grassland and linear woodland/scrub; foraging                                   | PDC      |
| RE021 | VP3 | 31/01/2025 | 13:49        | Redwing | 12     | -                      | -      | -      | -      | -      | semi-natural grassland; foraging, calling                                           | LDV      |
| RE022 | VP2 | 06/02/2025 | 17:41        | Redwing | 12     | -                      | -      | -      | -      | -      | improved grassland; foraging                                                        | LDV      |
| RE023 | VP3 | 20/02/2025 | 18:27        | Redwing | 30     | -                      | -      | -      | -      | -      | improved agricultural grassland and bogs; singing, travelling                       | LDV      |
| RE024 | VP3 | 13/03/2025 | 12:30        | Redwing | 20     | -                      | -      | -      | -      | -      | improved agricultural grassland; calling, foraging                                  | LDV      |

Table 7 - 4 - 41 Redwing winter walkover survey data

| Ref.  | Date       | Time         | Transect    | Species | Number | Habitat and activity                                          | Surveyor |
|-------|------------|--------------|-------------|---------|--------|---------------------------------------------------------------|----------|
| RE001 | 04/02/2021 | not recorded | 500M RADIUS | Redwing | 1      | not recorded; present (wintering)                             | JK       |
| RE002 | 02/03/2021 | not recorded | 500M RADIUS | Redwing | 1      | not recorded; present (wintering)                             | JK       |
| RE003 | 13/10/2021 | not recorded | 500M RADIUS | Redwing | 1      | not recorded; present (wintering)                             | JK       |
| RE004 | 12/10/2023 | 09:56        | 500M RADIUS | Redwing | 21     | improved grassland; foraging (wintering)                      | LDV      |
| RE005 | 12/10/2023 | 12:00        | 500M RADIUS | Redwing | 4      | improved grassland and bogs; flushed (wintering)              | LDV      |
| RE006 | 12/10/2023 | 13:03        | 500M RADIUS | Redwing | 10     | improved grassland; foraging (wintering)                      | LDV      |
| RE007 | 14/11/2023 | 12:47        | 500M RADIUS | Redwing | 38     | improved grassland; travelling (wintering)                    | LDV      |
| RE008 | 26/01/2024 | 09:47        | 500M RADIUS | Redwing | 18     | linear woodland/scrub; perched (wintering)                    | LDV      |
| RE009 | 26/01/2024 | 10:57        | 500M RADIUS | Redwing | 22     | improved grassland; foraging (wintering)                      | LDV      |
| RE010 | 26/01/2024 | 12:38        | 500M RADIUS | Redwing | 3      | improved grassland; flying (wintering)                        | LDV      |
| RE011 | 26/01/2024 | 12:38        | 500M RADIUS | Redwing | 10     | improved grassland; flying (wintering)                        | LDV      |
| RE012 | 26/01/2024 | 13:54        | 500M RADIUS | Redwing | 5      | improved grassland; flying (wintering)                        | LDV      |
| RE013 | 07/03/2024 | 12:21        | 500M RADIUS | Redwing | 7      | improved grassland and hedgerows; flying, perched (wintering) | LDV      |
| RE014 | 07/03/2024 | 14:07        | 500M RADIUS | Redwing | 4      | semi-natural woodland; calling (wintering)                    | LDV      |
| RE015 | 01/11/2024 | 10:52        | T1          | Redwing | 14     | improved grassland and hedgerows; travelling (wintering)      | LDV      |



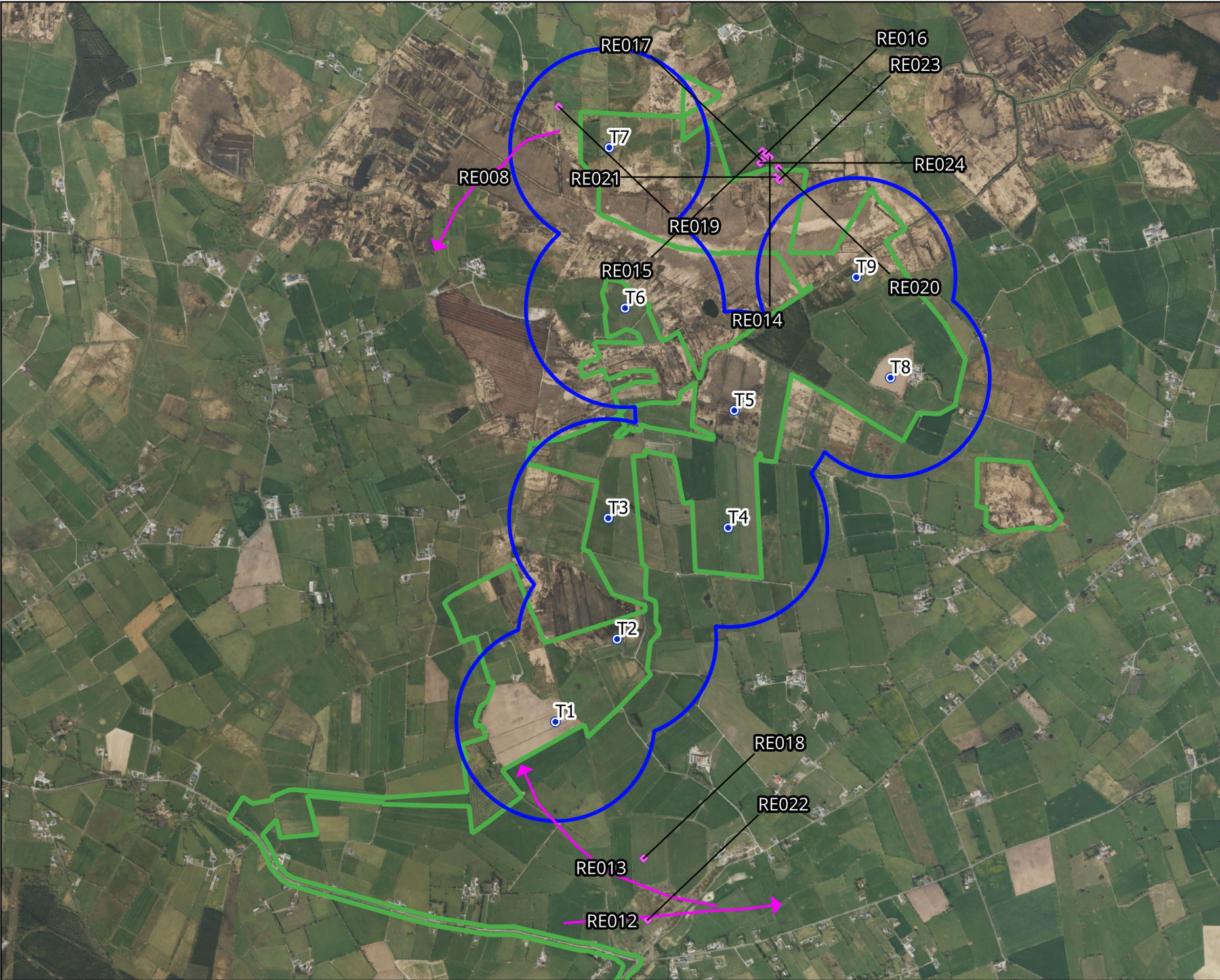
| Ref.  | Date       | Time  | Transect | Species | Number | Habitat and activity                                                   | Surveyor |
|-------|------------|-------|----------|---------|--------|------------------------------------------------------------------------|----------|
| RE016 | 10/01/2025 | 11:32 | T1       | Redwing | 16     | improved agricultural grassland; foraging (wintering)                  | LDV      |
| RE017 | 10/01/2025 | 12:12 | T1       | Redwing | 22     | improved agricultural grassland; foraging, with fieldfares (wintering) | LDV      |
| RE018 | 10/01/2025 | 13:01 | T1       | Redwing | 36     | improved agricultural grassland; foraging, with fieldfares (wintering) | LDV      |
| RE019 | 10/01/2025 | 13:49 | T1       | Redwing | 2      | improved agricultural grassland; foraging (wintering)                  | LDV      |
| RE020 | 10/01/2025 | 13:49 | T1       | Redwing | 10     | improved agricultural grassland and hedgerows; foraging (wintering)    | LDV      |
| RE021 | 10/01/2025 | 14:26 | T1       | Redwing | 19     | improved agricultural grassland; foraging, with fieldfares (wintering) | LDV      |

Table 7 - 4 - 42 Redwing incidental records

| Ref.  | Location                                                   | Date       | Time         | Species | Number | Habitat and activity                                                    | Surveyor |
|-------|------------------------------------------------------------|------------|--------------|---------|--------|-------------------------------------------------------------------------|----------|
| RE001 | Hen Harrier Roost Survey; HHVP4                            | 24/02/2021 | not recorded | Redwing | 1      | habitat not recorded; present                                           | JK       |
| RE002 | Hen Harrier Roost Survey; HHVP1                            | 09/11/2021 | 16:34        | Redwing | 45     | cutover bog; flying to roost                                            | JK       |
| RE003 | Waterbird Distribution and Abundance Survey; Levally lough | 05/12/2023 | 09:46        | Redwing | 12     | improved grassland; in field                                            | LDV      |
| RE004 | Waterbird Distribution and Abundance Survey; Cooloo        | 04/01/2024 | 11:23        | Redwing | 40     | improved grassland and linear woodland/scrub; flying                    | LDV      |
| RE005 | Hen Harrier Roost Survey; HHVP4a                           | 08/01/2024 | 17:03        | Redwing | 20     | improved grassland; foraging, flying                                    | LDV      |
| RE006 | Hen Harrier Roost Survey; HHVP4                            | 20/02/2024 | 16:36        | Redwing | 4      | scrub/transitional woodland and bogs; flying, perched                   | LDV      |
| RE007 | Hen Harrier Roost Survey; HHVP1a                           | 01/11/2024 | 16:46        | Redwing | 36     | cutover bog; travelling, mixed with fieldfares                          | LDV      |
| RE008 | Waterbird Distribution and Abundance Survey; Cooloo        | 26/11/2024 | 12:52        | Redwing | 80     | improved agricultural grassland and hedgerows; flushed                  | LDV      |
| RE009 | Hen Harrier Roost Survey; HHVP4                            | 02/12/2024 | 15:13        | Redwing | 70     | improved agricultural grassland; foraging, with fieldfare and starlings | LDV      |
| RE010 | Hen Harrier Roost Survey; HHVP4a                           | 06/01/2025 | 15:26        | Redwing | 36     | improved agricultural grassland; foraging, with fieldfare               | LDV      |

| Ref.  | Location                            | Date       | Time  | Species | Number | Habitat and activity                        | Surveyor |
|-------|-------------------------------------|------------|-------|---------|--------|---------------------------------------------|----------|
| RE011 | Hen Harrier Roost Survey;<br>HHVP4a | 19/02/2025 | 16:28 | Redwing | 22     | improved agricultural grassland; travelling | LDV      |



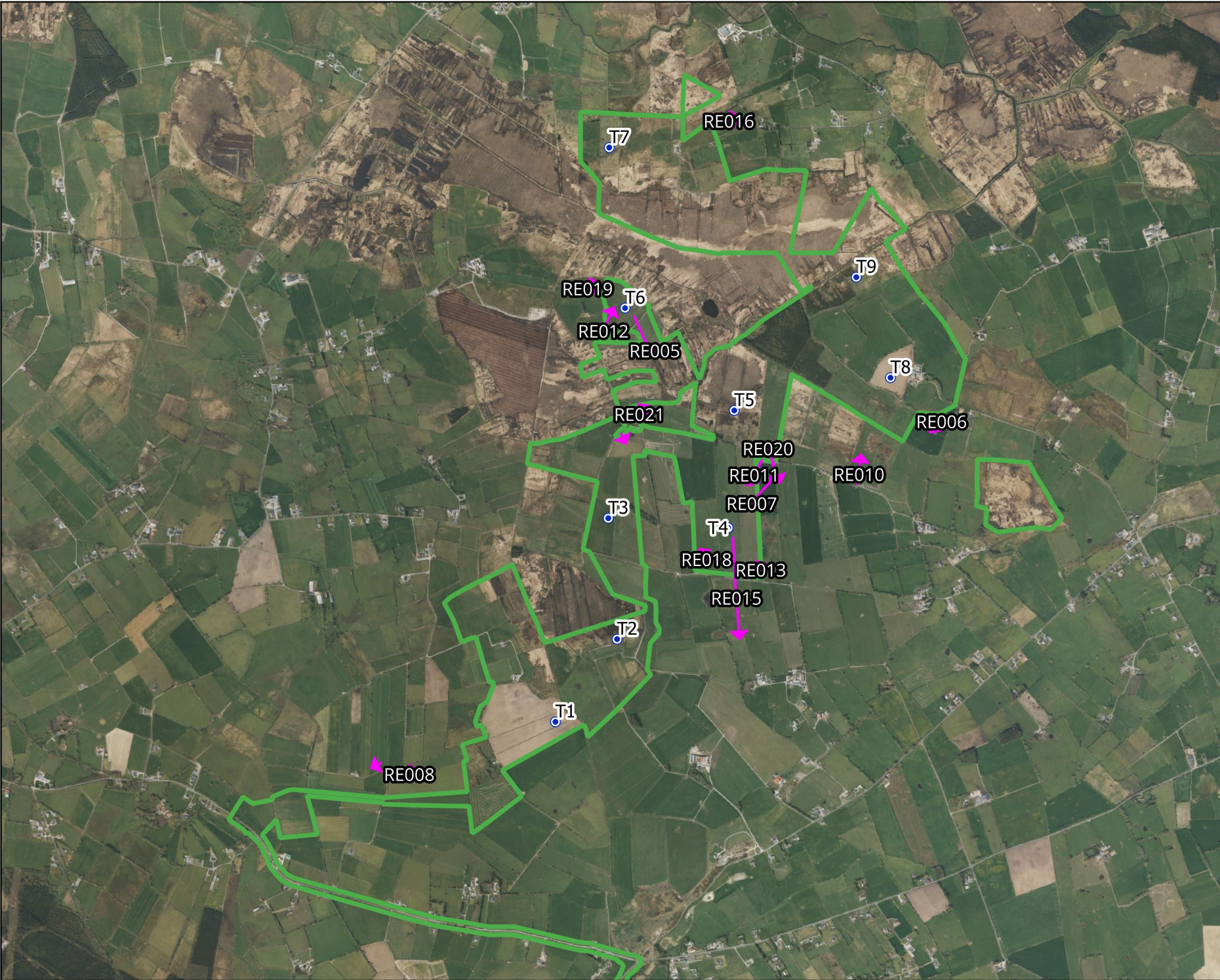


- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



|                                                                                                                                                                                 |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                   |             |
| Redwing<br>Vantage Point Survey                                                                                                                                                 |             |
| Project Title                                                                                                                                                                   |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                    |             |
| Drawn By                                                                                                                                                                        | Checked By  |
| SD                                                                                                                                                                              | PC          |
| Project No.                                                                                                                                                                     | Drawing No. |
| 190723-m                                                                                                                                                                        | Fig 7-4-40  |
| Scale                                                                                                                                                                           | Date        |
| 1:25,000                                                                                                                                                                        | 2025.09.18  |
| MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VW84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





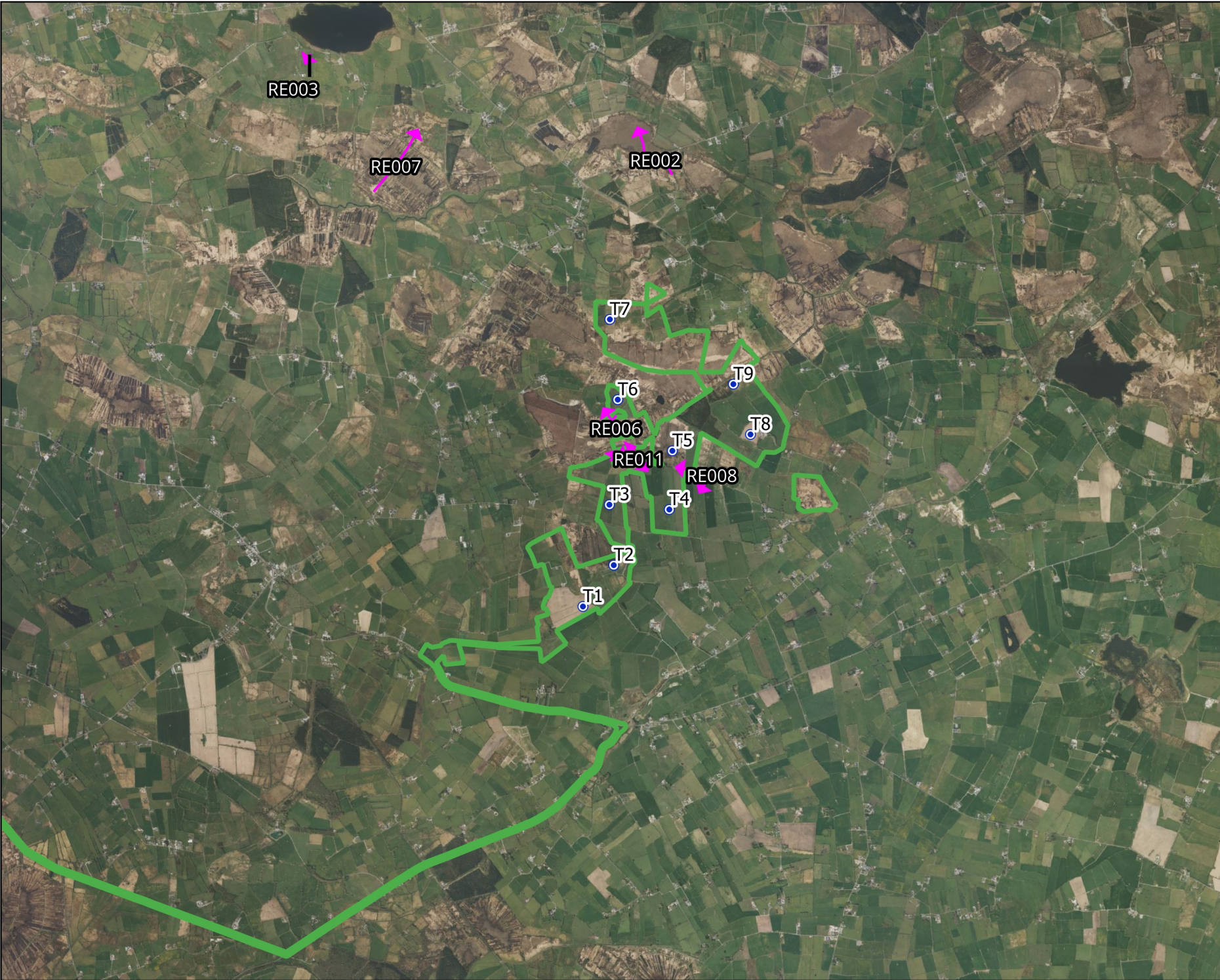
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Redwing<br>Winter Walkover Survey                                                                                                                                                                                                                                        |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-41  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:25,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Redwing<br>Incidental Records                                                                                                                                                                                                                                                            |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-42  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:50,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |



19.

# SPARROWHAWK

Table 7 - 4 - 43 Sparrowhawk vantage point survey data

| Ref.  | VP  | Date       | Time  | Species     | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                                                                                                                                                                                                            | Surveyor |
|-------|-----|------------|-------|-------------|--------|------------------------|--------|--------|--------|--------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SH001 | VP2 | 24/10/2019 | 17:14 | Sparrowhawk | 1      | 37                     | 0      | 37     | 0      | 0      | improved agricultural grassland and wet grassland; circling. big sparrowhawk, out of sight behind hillside                                                                                                                                                                                                                      | MP       |
| SH002 | VP3 | 15/11/2019 | 09:50 | Sparrowhawk | 1      | 55                     | 20     | 35     | 0      | 0      | cutover bog and conifer plantation; chasing in circle a passerine. managed to catch it, carries in its talons before being attacked by a buzzard trying to steal the prey! sparrowhawk lost tail feathers on the attack. both flew off at high speed and in many twists behind forestry, the prey still with the sparrowhawk... | MP       |
| SH003 | VP1 | 17/01/2020 | 11:00 | Sparrowhawk | 1      | 50                     | 0      | 0      | 50     | 0      | bogs and improved agricultural grassland; hunting. flew west                                                                                                                                                                                                                                                                    | MP       |
| SH004 | VP2 | 21/01/2020 | 09:54 | Sparrowhawk | 1      | 35                     | 0      | 20     | 15     | 0      | improved agricultural grassland; flying from north east to south west. perched on tree for 30s. then continued towards south west direction                                                                                                                                                                                     | MP       |
| SH005 | VP1 | 09/04/2020 | 19:45 | Sparrowhawk | 1      | 20                     | 20     | 0      | 0      | 0      | cutover bog; hunting, male (young bird)                                                                                                                                                                                                                                                                                         | JK       |
| SH006 | VP1 | 08/05/2020 | 05:55 | Sparrowhawk | 1      | 5                      | 0      | 5      | 0      | 0      | lowland blanket bog and scattered tress and parkland; perched on top of tree. took off mobbed by passerines                                                                                                                                                                                                                     | MP       |
| SH007 | VP1 | 27/08/2020 | 20:40 | Sparrowhawk | 1      | 20                     | 20     | 0      | 0      | 0      | cutover bog; travelling, adult male                                                                                                                                                                                                                                                                                             | JK       |
| SH008 | VP2 | 14/12/2020 | 14:06 | Sparrowhawk | 1      | 35                     | 35     | 0      | 0      | 0      | reed and large sedge swamps and improved agricultural grassland; flew to perch in willow                                                                                                                                                                                                                                        | PT       |
| SH009 | VP2 | 14/12/2020 | 14:22 | Sparrowhawk | 1      | 25                     | 25     | 0      | 0      | 0      | reed and large sedge swamps and improved agricultural grassland; flew to fence post behind lough, height 1-2m                                                                                                                                                                                                                   | PT       |



| Ref.  | VP  | Date       | Time  | Species     | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                  | Surveyor |
|-------|-----|------------|-------|-------------|--------|------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------------------------|----------|
| SH010 | VP2 | 14/12/2020 | 14:23 | Sparrowhawk | 1      | 20                     | 20     | 0      | 0      | 0      | improved agricultural grassland and hedgerows; flew to perch along field boundary                     | PT       |
| SH011 | VP2 | 14/12/2020 | 14:25 | Sparrowhawk | 1      | 2                      | 2      | 0      | 0      | 0      | hedgerows; low flight                                                                                 | PT       |
| SH012 | VP2 | 14/12/2020 | 15:15 | Sparrowhawk | 1      | 15                     | 15     | 0      | 0      | 0      | reed and large sedge swamps and lakes and ponds; flew to perch in tree                                | PT       |
| SH013 | VP3 | 16/12/2020 | 14:16 | Sparrowhawk | 1      | 20                     | 15     | 5      | 0      | 0      | conifer plantation; direct flight, height 20m dropping to 3m                                          | PT       |
| SH014 | VP3 | 05/03/2021 | 18:05 | Sparrowhawk | 1      | 60                     | 60     | 0      | 0      | 0      | improved agricultural grassland; travelling, adult male                                               | JK       |
| SH015 | VP1 | 30/06/2021 | 15:58 | Sparrowhawk | 1      | 360                    | 60     | 100    | 50     | 150    | lowland blanket bog; travelling & soaring, adult female in moult. soared high until obstructed by sun | JK       |
| SH016 | VP3 | 20/10/2021 | 16:01 | Sparrowhawk | 1      | 40                     | 40     | 0      | 0      | 0      | dry calcareous and neutral grassland and cutover bog; hunting                                         | JK       |
| SH017 | VP1 | 03/11/2023 | 08:10 | Sparrowhawk | 1      | 30                     | 30     | 0      | 0      | 0      | bogs; travelling, perched for a few seconds                                                           | LDV      |
| SH018 | VP3 | 17/11/2023 | 07:36 | Sparrowhawk | 1      | 17                     | 17     | 0      | 0      | 0      | improved grassland and bogs; travelling                                                               | LDV      |
| SH019 | VP3 | 17/11/2023 | 07:43 | Sparrowhawk | 1      | -                      | -      | -      | -      | -      | linear woodland/scrub; perched                                                                        | LDV      |
| SH020 | VP1 | 11/12/2023 | 14:37 | Sparrowhawk | 1      | 36                     | 10     | 26     | 0      | 0      | bogs; travelling                                                                                      | LDV      |
| SH021 | VP2 | 12/12/2023 | 11:24 | Sparrowhawk | 1      | -                      | -      | -      | -      | -      | linear woodland/scrub; perched in hedgerow                                                            | LDV      |
| SH022 | VP1 | 11/01/2024 | 11:33 | Sparrowhawk | 1      | 29                     | 10     | 19     | 0      | 0      | bogs; flying, mobbing, mobbing a kestrel                                                              | LDV      |
| SH023 | VP2 | 12/01/2024 | 12:14 | Sparrowhawk | 1      | 14                     | 14     | 0      | 0      | 0      | lakes and ponds; flying                                                                               | LDV      |
| SH024 | VP3 | 30/01/2024 | 11:34 | Sparrowhawk | 1      | 87                     | 87     | 0      | 0      | 0      | bogs and linear woodland/scrub; flying, perched, only perched a few seconds                           | LDV      |

| Ref.  | VP  | Date       | Time  | Species     | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                          | Surveyor |
|-------|-----|------------|-------|-------------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------------------------------------------------------------|----------|
| SH025 | VP3 | 21/02/2024 | 16:19 | Sparrowhawk | 1      | 35                     | 35     | 0      | 0      | 0      | improved grassland and bogs; travelling                                                       | LDV      |
| SH026 | VP2 | 14/03/2024 | 11:48 | Sparrowhawk | 1      | 62                     | 50     | 12     | 0      | 0      | improved grassland and hedgerows; travelling, perched, perched for 6min                       | LDV      |
| SH027 | VP1 | 01/05/2024 | 08:53 | Sparrowhawk | 1      | 22                     | 22     | 0      | 0      | 0      | bogs; travelling                                                                              | LDV      |
| SH028 | VP2 | 03/05/2024 | 11:25 | Sparrowhawk | 1      | 19                     | 19     | 0      | 0      | 0      | improved grassland and hedgerows; travelling                                                  | LDV      |
| SH029 | VP3 | 09/05/2024 | 09:56 | Sparrowhawk | 1      | 6                      | 6      | 0      | 0      | 0      | improved grassland and hedgerows; travelling                                                  | LDV      |
| SH030 | VP2 | 19/06/2024 | 10:14 | Sparrowhawk | 1      | 15                     | 15     | 0      | 0      | 0      | lakes and ponds and hedgerows; travelling, male                                               | LDV      |
| SH031 | VP2 | 19/06/2024 | 14:22 | Sparrowhawk | 1      | 139                    | 0      | 0      | 139    | 0      | improved grassland; travelling, female                                                        | LDV      |
| SH032 | VP2 | 09/07/2024 | 16:56 | Sparrowhawk | 1      | 21                     | 21     | 0      | 0      | 0      | improved agricultural grassland; travelling, immature female                                  | MH       |
| SH033 | VP3 | 26/07/2024 | 13:37 | Sparrowhawk | 1      | 17                     | 17     | 0      | 0      | 0      | lowland blanket bog and hedgerows; travelling                                                 | LDV      |
| SH034 | VP1 | 02/10/2024 | 15:49 | Sparrowhawk | 1      | 16                     | 16     | 0      | 0      | 0      | hedgerows and drainage ditches; travelling, dived into the vegetation near the drainage ditch | LDV      |
| SH035 | VP2 | 03/10/2024 | 14:02 | Sparrowhawk | 1      | 32                     | 32     | 0      | 0      | 0      | improved grassland and hedgerows; travelling                                                  | LDV      |
| SH036 | VP2 | 06/11/2024 | 12:15 | Sparrowhawk | 1      | 14                     | 14     | 0      | 0      | 0      | hedgerows; hunting, perched, hunting a passerinne, perched a few seconds                      | LDV      |
| SH037 | VP2 | 29/11/2024 | 13:09 | Sparrowhawk | 1      | 81                     | 0      | 0      | 81     | 0      | improved agricultural grassland; mobbed, mobbed by hooded crow                                | LDV      |
| SH038 | VP2 | 29/11/2024 | 15:57 | Sparrowhawk | 1      | 16                     | 16     | 0      | 0      | 0      | lakes and ponds; travelling, male                                                             | LDV      |
| SH039 | VP3 | 31/01/2025 | 13:07 | Sparrowhawk | 1      | 68                     | 20     | 48     | 0      | 0      | bogs and improved agricultural grassland; travelling                                          | LDV      |
| SH040 | VP3 | 13/03/2025 | 08:46 | Sparrowhawk | 1      | 83                     | 0      | 83     | 0      | 0      | bogs; travelling, landed in trees                                                             | LDV      |



Table 7 - 4 - 44 Sparrowhawk winter walkover survey data

| Ref.  | Date       | Time  | Transect    | Species     | Number | Habitat and activity                                                                                                                            | Surveyor |
|-------|------------|-------|-------------|-------------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SH001 | 11/10/2019 | 15:45 | 500M RADIUS | Sparrowhawk | 1      | bogs; female hunting, mobbed by 5 hooded crow (wintering)                                                                                       | MP       |
| SH002 | 04/03/2020 | 16:02 | 500M RADIUS | Sparrowhawk | 1      | improved agricultural grassland; mobbing circling buzzard. after 2min of bullying, sparrowhawk flew off, buzzard continued circling (wintering) | MP       |
| SH003 | 06/10/2020 | 16:40 | 500M RADIUS | Sparrowhawk | 1      | cutover bog; hunting, female (wintering)                                                                                                        | JK       |
| SH004 | 06/10/2020 | 17:37 | 500M RADIUS | Sparrowhawk | 1      | cutover bog; flying, female (wintering)                                                                                                         | JK       |
| SH005 | 04/02/2021 | 11:10 | 500M RADIUS | Sparrowhawk | 1      | cutover bog; male hunting reed buntings (wintering)                                                                                             | JK       |
| SH006 | 02/03/2021 | 13:20 | 500M RADIUS | Sparrowhawk | 1      | amenity grassland (improved); hunting, adult male (wintering)                                                                                   | JK       |
| SH007 | 14/11/2023 | 13:03 | 500M RADIUS | Sparrowhawk | 1      | improved grassland and bogs; travelling, male (wintering)                                                                                       | LDV      |
| SH008 | 26/01/2024 | 09:45 | 500M RADIUS | Sparrowhawk | 1      | linear woodland/scrub; flushed (wintering)                                                                                                      | LDV      |
| SH009 | 04/10/2024 | 10:39 | T1          | Sparrowhawk | 1      | improved grassland and hedgerows; travelling (wintering)                                                                                        | LDV      |

Table 7 - 4 - 45 Sparrowhawk breeding walkover survey data

| Ref.  | Date       | Time  | Transect    | Species     | Number | Habitat and activity                                                               | Surveyor |
|-------|------------|-------|-------------|-------------|--------|------------------------------------------------------------------------------------|----------|
| SH001 | 05/07/2021 | 11:30 | 500M RADIUS | Sparrowhawk | 1      | cutover bog; travelling, adult female (suitable nesting habitat; possible breeder) | JK       |

Table 7 - 4 - 46 Sparrowhawk breeding raptor survey data

| Ref.  | BR  | Date       | Time  | Species     | Number | Habitat and activity             | Breeding status              | Surveyor |
|-------|-----|------------|-------|-------------|--------|----------------------------------|------------------------------|----------|
| SH001 | BR3 | 13/05/2020 | 08:10 | Sparrowhawk | 1      | cutover bog, hunting, adult male | breeding status not recorded | JK       |
| SH002 | BR1 | 09/06/2020 | 12:15 | Sparrowhawk | 1      | cutover bog, hunting, adult male | breeding status not recorded | JK       |
| SH003 | BR2 | 07/04/2021 | 16:43 | Sparrowhawk | 1      | cutover bog, hunting male        | breeding status not recorded | JK       |

| Ref.  | BR   | Date       | Time  | Species     | Number | Habitat and activity                                           | Breeding status                            | Surveyor |
|-------|------|------------|-------|-------------|--------|----------------------------------------------------------------|--------------------------------------------|----------|
| SH004 | BR10 | 04/04/2024 | 14:30 | Sparrowhawk | 1      | improved grassland and conifer plantation, travelling          | suitable nesting habitat; possible breeder | LDV      |
| SH005 | BR10 | 04/04/2024 | 15:02 | Sparrowhawk | 1      | scrub/transitional woodland and improved grassland, travelling | suitable nesting habitat; possible breeder | LDV      |
| SH006 | BR7  | 10/04/2024 | 12:19 | Sparrowhawk | 1      | recently-felled woodland, travelling, perching                 | suitable nesting habitat; possible breeder | LDV      |
| SH007 | BR6  | 03/07/2024 | 21:17 | Sparrowhawk | 1      | bogs and scrub/transitional woodland, travelling               | suitable nesting habitat; possible breeder | LDV      |

Table 7 - 4 - 47 Sparrowhawk incidental records

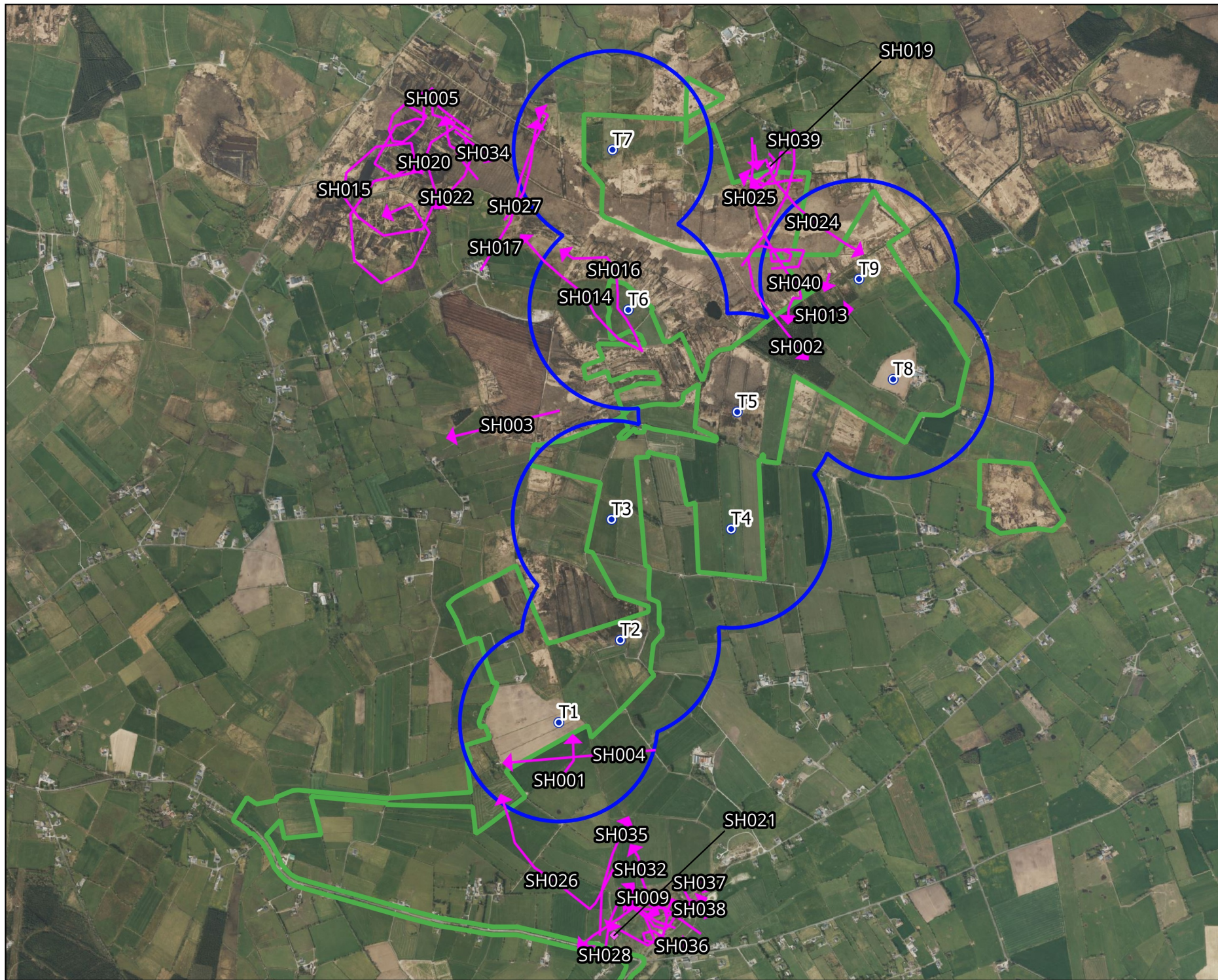
| Ref.  | Location                                                        | Date       | Time         | Species     | Number | Habitat and activity                                                                                                                                                                                           | Surveyor |
|-------|-----------------------------------------------------------------|------------|--------------|-------------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SH001 | Waterbird Distribution and Abundance Survey; Cooloo North       | 27/09/2019 | not recorded | Sparrowhawk | 1      | improved agricultural grassland; flying and mobbed                                                                                                                                                             | CD       |
| SH002 | Waterbird Distribution and Abundance Survey; Derrynacrick Lough | 22/10/2019 | 13:45        | Sparrowhawk | 1      | scrub; flying , female hunting in scrub                                                                                                                                                                        | MP       |
| SH003 | Hen Harrier Roost Survey; HHVP3                                 | 31/10/2019 | 16:46        | Sparrowhawk | 1      | habitat not recorded; seen just flying real low over young birches, crossed road. perched in tree on bog and flew off low                                                                                      | CD       |
| SH004 | Hen Harrier Roost Survey; HHVP1                                 | 07/02/2020 | 16:40        | Sparrowhawk | 1      | bogs; potential collision height. flew south-west                                                                                                                                                              | MP       |
| SH005 | Hen Harrier Roost Survey; HHVP3                                 | 13/02/2020 | 17:54        | Sparrowhawk | 1      | bogs; female spotted perched on tree at 16:30. stayed there for over an hour, tidying her feathers and observing from perch, overlooking bog. finally took off 20min after sunset, directly down to the ground | MP       |
| SH006 | Waterbird Distribution and Abundance Survey; Derrynacrick Lough | 19/03/2020 | 14:46        | Sparrowhawk | 1      | improved agricultural grassland; flying , female, cut in front of the car driving back                                                                                                                         | MP       |
| SH007 | Waterbird Distribution and Abundance Survey; Levally Lough      | 06/11/2020 | 12:10        | Sparrowhawk | 1      | turloughs; hunting                                                                                                                                                                                             | JK       |
| SH008 | Hen Harrier Roost Survey; HHVP2                                 | 25/11/2020 | 16:41        | Sparrowhawk | 2      | cutover bog; travelling                                                                                                                                                                                        | JK       |



| Ref.  | Location                                                   | Date       | Time  | Species     | Number | Habitat and activity                                                                                                                           | Surveyor |
|-------|------------------------------------------------------------|------------|-------|-------------|--------|------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SH009 | Hen Harrier Roost Survey; HHVP2                            | 18/12/2020 | 16:42 | Sparrowhawk | 1      | improved agricultural grassland; perched on post until 16:42, not seen in flight                                                               | PT       |
| SH010 | Hen Harrier Roost Survey; HHVP3                            | 20/12/2020 | 15:06 | Sparrowhawk | 1      | improved agricultural grassland, cutover bog and treelines; direct low fast hunting flight targeting redwings and starlings feeding on pasture | PT       |
| SH011 | Hen Harrier Roost Survey; HHVP3                            | 20/12/2020 | 15:29 | Sparrowhawk | 1      | cutover bog and treelines; direct flight                                                                                                       | PT       |
| SH012 | Hen Harrier Roost Survey; HHVP3                            | 20/12/2020 | 15:30 | Sparrowhawk | 1      | cutover bog, treelines and raised bog; perched in tree before flying                                                                           | PT       |
| SH013 | Hen Harrier Roost Survey; HHVP3                            | 01/02/2021 | 15:50 | Sparrowhawk | 1      | cutover bog; travelling, cutover, adult female                                                                                                 | JK       |
| SH014 | Hen Harrier Roost Survey; HHVP2                            | 29/03/2021 | 20:25 | Sparrowhawk | 1      | cutover bog and conifer plantation; flying                                                                                                     | JK       |
| SH015 | Waterbird Distribution and Abundance Survey; Cornacartan   | 11/08/2023 | 13:22 | Sparrowhawk | 1      | improved agricultural grassland; flight, flushed from perch as driving by                                                                      | ZOC      |
| SH016 | Hen Harrier Roost Survey; HHVP2                            | 16/10/2023 | 17:45 | Sparrowhawk | 1      | linear woodland/scrub and bogs; flying                                                                                                         | LDV      |
| SH017 | Hen Harrier Roost Survey; HHVP4                            | 05/12/2023 | 16:20 | Sparrowhawk | 1      | improved grassland and linear woodland/scrub; travelling                                                                                       | LDV      |
| SH018 | Hen Harrier Roost Survey; HHVP4                            | 05/12/2023 | 16:24 | Sparrowhawk | 1      | linear woodland/scrub; travelling                                                                                                              | LDV      |
| SH019 | Waterbird Distribution and Abundance Survey; Levally lough | 04/01/2024 | 10:29 | Sparrowhawk | 1      | lakes and ponds and improved grassland; flying, perched, perched a few seconds                                                                 | LDV      |
| SH020 | Hen Harrier Roost Survey; HHVP2                            | 30/01/2024 | 17:22 | Sparrowhawk | 1      | bogs; commuting, perching                                                                                                                      | CG       |
| SH021 | Waterbird Distribution and Abundance Survey; Cornacartan   | 07/02/2024 | 10:11 | Sparrowhawk | 1      | improved grassland and conifer plantation; travelling                                                                                          | LDV      |
| SH022 | Waterbird Distribution and Abundance Survey; Derren        | 15/03/2024 | 11:39 | Sparrowhawk | 1      | conifer plantation; travelling                                                                                                                 | LDV      |
| SH023 | Waterbird Distribution and Abundance Survey; Carrownabo    | 02/05/2024 | 12:50 | Sparrowhawk | 1      | conifer plantation and improved grassland; travelling                                                                                          | LDV      |
| SH024 | Hen Harrier Roost Survey; HHVP4a                           | 07/11/2024 | 16:43 | Sparrowhawk | 1      | improved grassland and hedgerows; travelling                                                                                                   | LDV      |
| SH025 | Waterbird Distribution and Abundance Survey; Barnaderg     | 13/11/2024 | 10:49 | Sparrowhawk | 1      | improved agricultural grassland; flushed                                                                                                       | LDV      |

| Ref.  | Location                                                       | Date       | Time  | Species     | Number | Habitat and activity                                        | Surveyor |
|-------|----------------------------------------------------------------|------------|-------|-------------|--------|-------------------------------------------------------------|----------|
| SH026 | Waterbird Distribution and Abundance Survey; Summerville lough | 13/11/2024 | 12:55 | Sparrowhawk | 1      | lakes and ponds and semi-natural woodland; travelling, male | LDV      |
| SH027 | Hen Harrier Roost Survey; HHVP3                                | 08/01/2025 | 16:59 | Sparrowhawk | 1      | bogs; flushed, travelling, flushed by merlin                | LDV      |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                          |             |
| Sparrowhawk Vantage Point Survey                                                                                                                                       |             |
| Project Title                                                                                                                                                          |             |
| Coolool Wind Farm, Co. Galway                                                                                                                                          |             |
| Drawn By                                                                                                                                                               | Checked By  |
| SD                                                                                                                                                                     | PC          |
| Project No.                                                                                                                                                            | Drawing No. |
| 190723-m                                                                                                                                                               | Fig 7-4-43  |
| Scale                                                                                                                                                                  | Date        |
| 1:25,000                                                                                                                                                               | 2025.09.18  |
| MKO Planning and Environmental Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Sparrowhawk<br>Winter Walkover Survey                                                                                                                                                                                                                                    |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-44  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:25,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

- EIAR Site Boundary
- Turbine Locations
- Species Record



Drawing Title

**Sparrowhawk  
Breeding Walkover Survey**

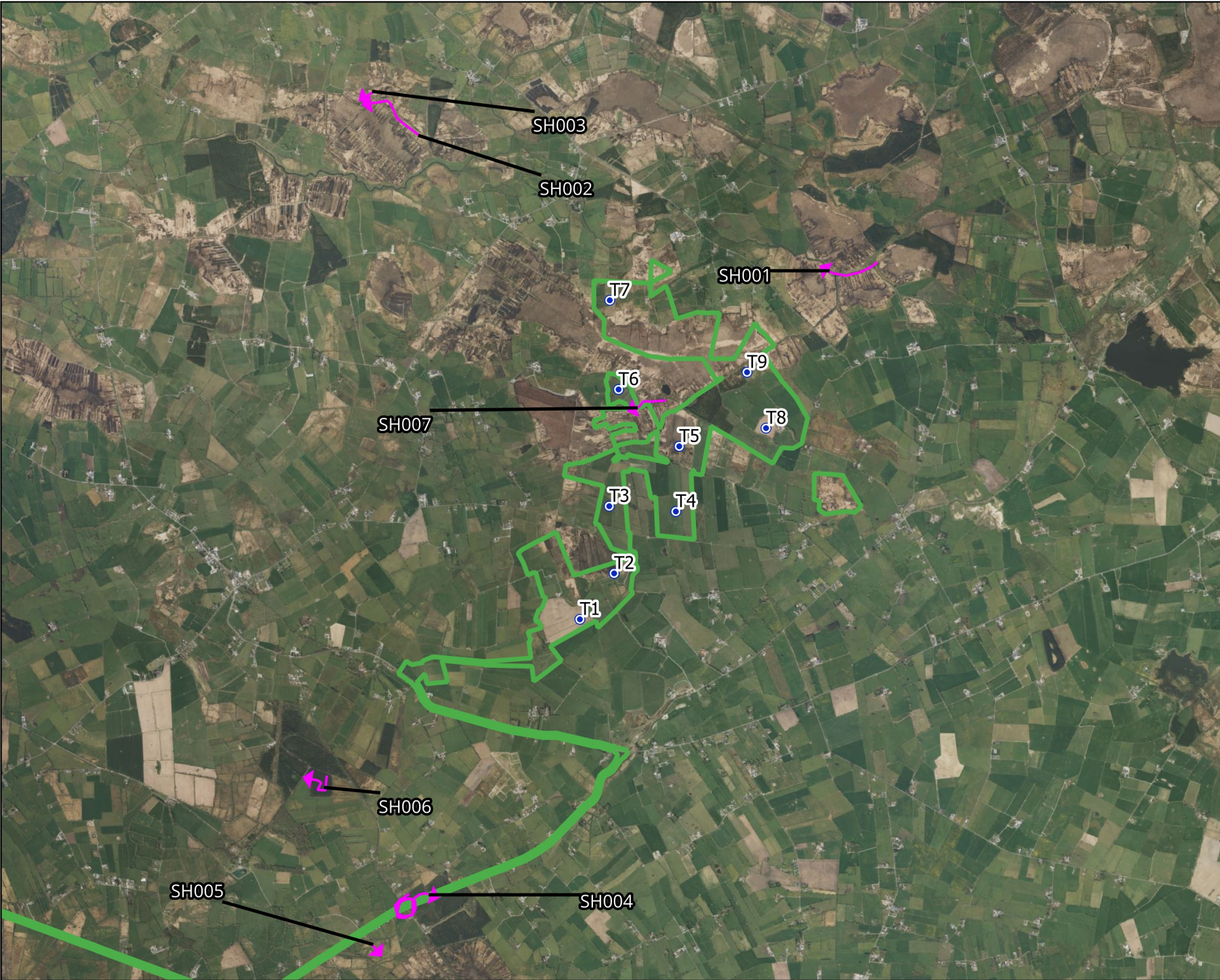
Project Title

**Cooloo Wind Farm, Co. Galway**

|             |          |             |            |
|-------------|----------|-------------|------------|
| Drawn By    | SD       | Checked By  | PC         |
| Project No. | 190723-m | Drawing No. | Fig 7-4-45 |
| Scale       | 1:22,000 | Date        | 2025.09.18 |

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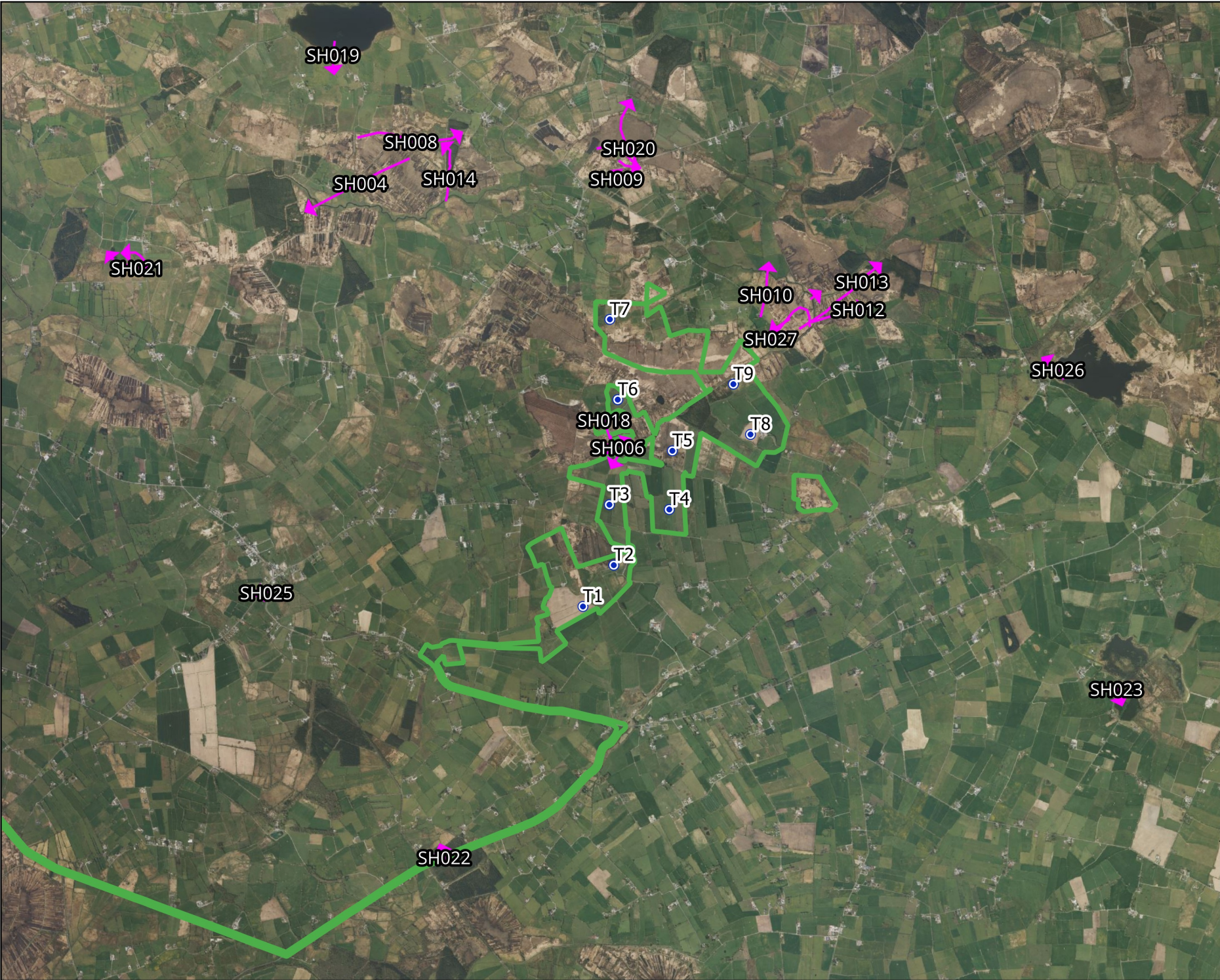
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Sparrowhawk Breeding Raptor Survey                                                                                                                                                                                                                                                       |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-46  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:45,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |





Map Legend

- EIAR Site Boundary
- Turbine Locations
- Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Sparrowhawk<br>Incidental Records                                                                                                                                                                                                                                                        |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-47  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:50,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |



20.

## SWIFT

Table 7 - 4 - 48 Swift vantage point survey data

| Ref.  | VP  | Date       | Time         | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                    | Surveyor |
|-------|-----|------------|--------------|---------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------|----------|
| SI001 | VP1 | 30/06/2021 | not recorded | Swift   | 1      | -                      | -      | -      | -      | -      | not recorded; present                   | JK       |
| SI002 | VP3 | 26/06/2024 | 07:13        | Swift   | 1      | 61                     | 0      | 0      | 61     | 0      | improved grassland and bogs; travelling | LDV      |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record



|                                                                                                                                                                                 |             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                   |             |
| Swift<br>Vantage Point Survey                                                                                                                                                   |             |
| Project Title                                                                                                                                                                   |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                    |             |
| Drawn By                                                                                                                                                                        | Checked By  |
| SD                                                                                                                                                                              | PC          |
| Project No.                                                                                                                                                                     | Drawing No. |
| 190723-m                                                                                                                                                                        | Fig 7-4-48  |
| Scale                                                                                                                                                                           | Date        |
| 1:25,000                                                                                                                                                                        | 2025.09.18  |
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21.

## SNIPE

Table 7 - 4 - 49 Snipe vantage point survey data

| Ref.  | VP  | Date       | Time         | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                                                       | Surveyor |
|-------|-----|------------|--------------|---------|--------|------------------------|--------|--------|--------|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SN001 | VP2 | 24/10/2019 | 13:05        | Snipe   | 1      | 7                      | 7      | 0      | 0      | 0      | turloughs and reed and large sedge swamps; flushed, out of sight in reeds                                                                                                  | MP       |
| SN002 | VP3 | 29/10/2019 | 11:46        | Snipe   | 1      | 11                     | 11     | 0      | 0      | 0      | wet grassland and bogs; flushed off grassland to bog                                                                                                                       | MP       |
| SN003 | VP3 | 15/11/2019 | 07:20        | Snipe   | 2      | 10                     | 10     | 0      | 0      | 0      | wet grassland; flushed off wet grassland                                                                                                                                   | MP       |
| SN004 | VP1 | 06/12/2019 | 10:35        | Snipe   | 1      | 11                     | 11     | 0      | 0      | 0      | bogs; suddenly flushed from bog to west                                                                                                                                    | MP       |
| SN005 | VP2 | 21/01/2020 | 10:02        | Snipe   | 14     | 180                    | 0      | 0      | 180    | 0      | improved agricultural grassland and limestone/marl lakes; coming from north west, alarm call once, circled over vp a couple of times and out of sight south west in clouds | MP       |
| SN006 | VP1 | 09/04/2020 | 19:02        | Snipe   | 6      | 250                    | 10     | 10     | 200    | 30     | cutover bog; chipping                                                                                                                                                      | JK       |
| SN007 | VP2 | 14/04/2020 | 19:46        | Snipe   | 1      | 30                     | 2      | 2      | 26     | 0      | improved grassland; travelling                                                                                                                                             | JK       |
| SN008 | VP2 | 14/04/2020 | 19:59        | Snipe   | 13     | 200                    | 0      | 0      | 180    | 20     | improved grassland; circling, 4 birds initially, additional birds joining throughout flight                                                                                | JK       |
| SN009 | VP2 | 14/04/2020 | 20:01        | Snipe   | 4      | 30                     | 5      | 25     | 0      | 0      | improved grassland; chipping                                                                                                                                               | JK       |
| SN010 | VP3 | 23/06/2020 | 13:04        | Snipe   | 1      | 250                    | 0      | 200    | 50     | 0      | cutover bog; drumming                                                                                                                                                      | JK       |
| SN011 | VP3 | 23/06/2020 | 16:25        | Snipe   | 1      | 70                     | 40     | 30     | 0      | 0      | cutover bog; drumming                                                                                                                                                      | JK       |
| SN012 | VP3 | 20/11/2020 | not recorded | Snipe   | 2      | 10                     | 10     | 0      | 0      | 0      | cutover bog; flushed                                                                                                                                                       | JK       |



| Ref.  | VP  | Date       | Time         | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                                                         | Surveyor |
|-------|-----|------------|--------------|---------|--------|------------------------|--------|--------|--------|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SN013 | VP3 | 20/11/2020 | not recorded | Snipe   | 12     | 20                     | 10     | 10     | 0      | 0      | cutover bog; flushed by hen harrier                                                                                                                                          | JK       |
| SN014 | VP1 | 12/12/2020 | 15:08        | Snipe   | 3      | 45                     | 5      | 5      | 35     | 0      | cutover bog; probably flushed up by tractor on bog; dropped back down to bog, height 30m                                                                                     | PT       |
| SN015 | VP1 | 12/12/2020 | 16:55        | Snipe   | 1      | -                      | -      | -      | -      | -      | cutover bog; flying, heard only, mapped location approximate                                                                                                                 | PT       |
| SN016 | VP1 | 12/12/2020 | 16:57        | Snipe   | 2      | -                      | -      | -      | -      | -      | cutover bog and raised bog; flying, heard only, mapped location approximate                                                                                                  | PT       |
| SN017 | VP2 | 14/12/2020 | 14:06        | Snipe   | 25     | 30                     | 10     | 10     | 10     | 0      | reed and large sedge swamps, lakes and ponds and grassland and marsh; flying in various directions, mostly east/south east/south, flushed by sparrowhawk, height up to c.35m | PT       |
| SN018 | VP2 | 14/12/2020 | 14:46        | Snipe   | 1      | 10                     | 2      | 3      | 5      | 0      | improved agricultural grassland and reed and large sedge swamps; flying, landed in pasture, height 30m                                                                       | PT       |
| SN019 | VP3 | 16/12/2020 | 10:50        | Snipe   | 1      | 15                     | 15     | 0      | 0      | 0      | improved agricultural grassland; flying, flushed at vp, height 1m                                                                                                            | PT       |
| SN020 | VP3 | 16/12/2020 | 12:00        | Snipe   | 1      | 5                      | 5      | 0      | 0      | 0      | raised bog; flying, flushed by hen harrier                                                                                                                                   | PT       |
| SN021 | VP3 | 16/12/2020 | 14:53        | Snipe   | 1      | 5                      | 5      | 0      | 0      | 0      | bogs; flying, flushed by hen harrier                                                                                                                                         | PT       |
| SN022 | VP2 | 04/02/2021 | 13:31        | Snipe   | 1      | -                      | -      | -      | -      | -      | lakes and ponds; heard calling                                                                                                                                               | CD       |
| SN023 | VP2 | 04/02/2021 | 15:08        | Snipe   | 1      | 5                      | 5      | 0      | 0      | 0      | lakes and ponds; flushed by little egret and lands again                                                                                                                     | CD       |
| SN024 | VP2 | 04/02/2021 | 18:10        | Snipe   | 1      | -                      | -      | -      | -      | -      | scrub/transitional woodland; calling                                                                                                                                         | CD       |
| SN025 | VP3 | 24/03/2021 | 07:06        | Snipe   | 5      | 15                     | 15     | 0      | 0      | 0      | cutover bog; flying                                                                                                                                                          | JK       |

| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                 | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|------------------------------------------------------|----------|
| SN026 | VP2 | 06/04/2021 | 16:09 | Snipe   | 3      | -                      | -      | -      | -      | -      | turloughs; flushed, individuals occasionally flushed | JK       |
| SN027 | VP1 | 12/10/2021 | 07:48 | Snipe   | 1      | 30                     | 10     | 20     | 0      | 0      | cutover bog; flushed                                 | JK       |
| SN028 | VP1 | 12/10/2021 | 09:25 | Snipe   | 1      | 10                     | 10     | 0      | 0      | 0      | cutover bog; flying and calling                      | JK       |
| SN029 | VP1 | 12/10/2021 | 09:31 | Snipe   | 1      | 10                     | 10     | 0      | 0      | 0      | cutover bog; flushed                                 | JK       |
| SN030 | VP2 | 15/10/2021 | 11:51 | Snipe   | 1      | 10                     | 10     | 0      | 0      | 0      | turloughs; flying in to land                         | JK       |
| SN031 | VP3 | 19/10/2021 | 09:04 | Snipe   | 21     | 200                    | 150    | 25     | 25     | 0      | cutover bog; flying around before landing on bog     | JK       |
| SN032 | VP3 | 19/10/2021 | 09:06 | Snipe   | 18     | 250                    | 100    | 50     | 100    | 0      | cutover bog; flying around before landing on bog     | JK       |
| SN033 | VP3 | 19/10/2021 | 09:09 | Snipe   | 15     | 50                     | 10     | 35     | 5      | 0      | cutover bog; flying around before landing on bog     | JK       |
| SN034 | VP3 | 19/10/2021 | 09:32 | Snipe   | 6      | 20                     | 20     | 0      | 0      | 0      | cutover bog; flying                                  | JK       |
| SN035 | VP3 | 19/10/2021 | 09:36 | Snipe   | 8      | 40                     | 40     | 0      | 0      | 0      | cutover bog; flying                                  | JK       |
| SN036 | VP3 | 19/10/2021 | 09:41 | Snipe   | 40     | 250                    | 0      | 150    | 100    | 0      | cutover bog; flying                                  | JK       |
| SN037 | VP3 | 19/10/2021 | 09:46 | Snipe   | 16     | 60                     | 0      | 10     | 50     | 0      | cutover bog; travelling                              | JK       |
| SN038 | VP2 | 19/11/2021 | 13:35 | Snipe   | 1      | 10                     | 10     | 0      | 0      | 0      | turloughs; flushed                                   | JK       |
| SN039 | VP2 | 19/11/2021 | 14:00 | Snipe   | 1      | 10                     | 10     | 0      | 0      | 0      | turloughs; flushed                                   | JK       |
| SN040 | VP1 | 22/11/2021 | 15:03 | Snipe   | 1      | 10                     | 10     | 0      | 0      | 0      | cutover bog; flushed                                 | JK       |
| SN041 | VP2 | 02/12/2021 | 12:11 | Snipe   | 3      | -                      | -      | -      | -      | -      | turloughs; flushed briefly from reeds                | JK       |



| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                             | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|----------------------------------------------------------------------------------|----------|
| SN042 | VP2 | 02/12/2021 | 14:20 | Snipe   | 5      | 30                     | 30     | 0      | 0      | 0      | turloughs; flying                                                                | JK       |
| SN043 | VP2 | 14/12/2021 | 09:21 | Snipe   | 60     | 200                    | 100    | 50     | 50     | 0      | turloughs; flushed                                                               | JK       |
| SN044 | VP1 | 02/02/2022 | 08:19 | Snipe   | 2      | 60                     | 10     | 50     | 0      | 0      | cutover bog; travelling                                                          | JK       |
| SN045 | VP2 | 23/02/2022 | 08:35 | Snipe   | 1      | 10                     | 10     | 0      | 0      | 0      | turloughs; flying                                                                | JK       |
| SN046 | VP3 | 04/03/2022 | 19:20 | Snipe   | 2      | 5                      | 5      | 0      | 0      | 0      | improved agricultural grassland and bogs; flying                                 | ZE       |
| SN047 | VP1 | 05/10/2023 | 14:18 | Snipe   | 2      | 10                     | 0      | 0      | 15     | 0      | improved grassland and bogs; travelling, spotted while observing the hen harrier | LDV      |
| SN048 | VP2 | 20/10/2023 | 13:42 | Snipe   | 14     | 251                    | 0      | 0      | 251    | 0      | improved grassland; travelling                                                   | LDV      |
| SN049 | VP2 | 20/10/2023 | 14:05 | Snipe   | 3      | 57                     | 5      | 15     | 37     | 0      | improved grassland and freshwater marsh; travelling, landed in marsh             | LDV      |
| SN050 | VP3 | 25/10/2023 | 14:16 | Snipe   | 1      | 85                     | 0      | 0      | 85     | 0      | bogs; travelling                                                                 | LDV      |
| SN051 | VP3 | 25/10/2023 | 15:35 | Snipe   | 3      | 85                     | 0      | 0      | 85     | 0      | bogs; travelling                                                                 | LDV      |
| SN052 | VP1 | 03/11/2023 | 08:27 | Snipe   | 3      | 106                    | 0      | 0      | 106    | 0      | bogs; travelling                                                                 | LDV      |
| SN053 | VP2 | 15/11/2023 | 11:52 | Snipe   | 33     | 24                     | 3      | 7      | 14     | 0      | lakes and ponds and improved grassland; travelling, calling                      | LDV      |
| SN054 | VP2 | 15/11/2023 | 11:53 | Snipe   | 1      | 68                     | 3      | 7      | 58     | 0      | lakes and ponds and improved grassland; travelling                               | LDV      |
| SN055 | VP2 | 15/11/2023 | 12:11 | Snipe   | 1      | 19                     | 19     | 0      | 0      | 0      | lakes and ponds; travelling and calling                                          | LDV      |
| SN056 | VP1 | 11/12/2023 | 13:08 | Snipe   | 2      | 48                     | 5      | 5      | 38     | 0      | bogs; travelling                                                                 | LDV      |
| SN057 | VP1 | 11/12/2023 | 13:36 | Snipe   | 1      | 76                     | 0      | 0      | 76     | 0      | bogs; travelling                                                                 | LDV      |

| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                               | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|----------------------------------------------------|----------|
| SN058 | VP2 | 12/12/2023 | 14:41 | Snipe   | 7      | 59                     | 20     | 20     | 19     | 0      | lakes and ponds and improved grassland; travelling | LDV      |
| SN059 | VP2 | 12/12/2023 | 14:43 | Snipe   | 12     | 84                     | 84     | 0      | 0      | 0      | lakes and ponds; travelling                        | LDV      |
| SN060 | VP3 | 21/02/2024 | 13:47 | Snipe   | 1      | 26                     | 6      | 10     | 10     | 0      | bogs; travelling                                   | LDV      |
| SN061 | VP1 | 13/03/2024 | 11:02 | Snipe   | 2      | 18                     | 0      | 0      | 18     | 0      | bogs; travelling                                   | LDV      |
| SN062 | VP3 | 21/03/2024 | 05:59 | Snipe   | 1      | -                      | -      | -      | -      | -      | bogs; drumming                                     | LDV      |
| SN063 | VP3 | 09/05/2024 | 05:12 | Snipe   | 3      | -                      | -      | -      | -      | -      | bogs; multiple birds drumming                      | LDV      |
| SN064 | VP3 | 26/06/2024 | 06:58 | Snipe   | 1      | -                      | -      | -      | -      | -      | bogs; drumming                                     | LDV      |
| SN065 | VP3 | 26/06/2024 | 07:12 | Snipe   | 2      | 157                    | 0      | 57     | 100    | 0      | bogs; flying                                       | LDV      |
| SN066 | VP3 | 26/06/2024 | 07:38 | Snipe   | 1      | -                      | -      | -      | -      | -      | bogs; drumming                                     | LDV      |
| SN067 | VP2 | 11/09/2024 | 08:06 | Snipe   | 1      | -                      | -      | -      | -      | -      | turloughs; calling, heard while following lapwing  | CC       |
| SN068 | VP2 | 11/09/2024 | 08:09 | Snipe   | 2      | 47                     | 0      | 47     | 0      | 0      | turloughs; travelling                              | CC       |
| SN069 | VP2 | 11/09/2024 | 08:14 | Snipe   | 2      | 50                     | 25     | 25     | 0      | 0      | turloughs; travelling                              | CC       |
| SN070 | VP2 | 11/09/2024 | 08:18 | Snipe   | 11     | 71                     | 50     | 21     | 0      | 0      | turloughs; travelling                              | CC       |
| SN071 | VP2 | 11/09/2024 | 08:29 | Snipe   | 1      | 42                     | 10     | 32     | 0      | 0      | turloughs; travelling                              | CC       |
| SN072 | VP2 | 11/09/2024 | 08:49 | Snipe   | 5      | 81                     | 20     | 20     | 41     | 0      | turloughs; travelling                              | CC       |
| SN073 | VP2 | 11/09/2024 | 11:09 | Snipe   | 2      | 12                     | 12     | 0      | 0      | 0      | turloughs; travelling                              | CC       |



| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                     | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|--------------------------------------------------------------------------|----------|
| SN074 | VP1 | 19/09/2024 | 11:00 | Snipe   | 1      | 58                     | 0      | 0      | 58     | 0      | cutover bog; travelling                                                  | CC       |
| SN075 | VP1 | 19/09/2024 | 11:09 | Snipe   | 1      | 27                     | 10     | 17     | 0      | 0      | cutover bog; travelling, landed on bog                                   | CC       |
| SN076 | VP3 | 25/09/2024 | 07:30 | Snipe   | 1      | -                      | -      | -      | -      | -      | cutover bog and improved agricultural grassland; calling, heard not seen | CC       |
| SN077 | VP3 | 25/09/2024 | 08:40 | Snipe   | 4      | 72                     | 10     | 62     | 0      | 0      | cutover bog and improved agricultural grassland; travelling              | CC       |
| SN078 | VP3 | 25/09/2024 | 11:03 | Snipe   | 1      | 12                     | 12     | 0      | 0      | 0      | cutover bog and improved agricultural grassland; travelling              | CC       |
| SN079 | VP3 | 25/09/2024 | 11:51 | Snipe   | 2      | 19                     | 0      | 0      | 19     | 0      | wet grassland and cutover bog; travelling, calling                       | CC       |
| SN080 | VP2 | 03/10/2024 | 14:00 | Snipe   | 1      | 17                     | 17     | 0      | 0      | 0      | lakes and ponds; travelling                                              | LDV      |
| SN081 | VP2 | 03/10/2024 | 17:54 | Snipe   | 1      | 89                     | 5      | 5      | 79     | 0      | lakes and ponds and improved grassland; travelling                       | LDV      |
| SN082 | VP3 | 08/10/2024 | 18:34 | Snipe   | 2      | 40                     | 0      | 0      | 40     | 0      | bogs and improved grassland; travelling                                  | LDV      |
| SN083 | VP3 | 08/10/2024 | 19:35 | Snipe   | 5      | -                      | -      | -      | -      | -      | bogs; calling, heard not seen                                            | LDV      |
| SN084 | VP2 | 06/11/2024 | 11:09 | Snipe   | 1      | 58                     | 10     | 20     | 28     | 0      | lakes and ponds; travelling                                              | LDV      |
| SN085 | VP2 | 06/11/2024 | 11:14 | Snipe   | 2      | 65                     | 10     | 10     | 45     | 0      | lakes and ponds; travelling                                              | LDV      |
| SN086 | VP2 | 06/11/2024 | 11:44 | Snipe   | 1      | 22                     | 12     | 10     | 0      | 0      | lakes and ponds; travelling                                              | LDV      |
| SN087 | VP2 | 06/11/2024 | 12:53 | Snipe   | 1      | 8                      | 8      | 0      | 0      | 0      | lakes and ponds; travelling                                              | LDV      |
| SN088 | VP2 | 29/11/2024 | 13:19 | Snipe   | 1      | 7                      | 7      | 0      | 0      | 0      | lakes and ponds; flushed                                                 | LDV      |
| SN089 | VP2 | 29/11/2024 | 17:16 | Snipe   | 2      | -                      | -      | -      | -      | -      | lakes and ponds; calling, heard not seen                                 | LDV      |

| Ref.  | VP  | Date       | Time  | Species | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                       | Surveyor |
|-------|-----|------------|-------|---------|--------|------------------------|--------|--------|--------|--------|--------------------------------------------|----------|
| SN090 | VP2 | 06/02/2025 | 14:02 | Snipe   | 14     | -                      | -      | -      | -      | -      | lakes and ponds; foraging                  | LDV      |
| SN091 | VP1 | 04/03/2025 | 11:34 | Snipe   | 2      | 10                     | 5      | 5      | 0      | 0      | bogs; flushed, flushed by hunting ringtail | LDV      |
| SN092 | VP3 | 13/03/2025 | 06:08 | Snipe   | 2      | -                      | -      | -      | -      | -      | bogs; drumming, heard not seen             | LDV      |

Table 7 - 4 - 50 Snipe winter walkover survey data

| Ref.  | Date       | Time  | Transect    | Species | Number | Habitat and activity                                               | Surveyor |
|-------|------------|-------|-------------|---------|--------|--------------------------------------------------------------------|----------|
| SN001 | 11/10/2019 | 10:15 | 500M RADIUS | Snipe   | 15     | bogs; flying in flock over bog (wintering)                         | MP       |
| SN002 | 11/10/2019 | 10:35 | 500M RADIUS | Snipe   | 4      | wet grassland; flushed from wet grassland, flew to bog (wintering) | MP       |
| SN003 | 11/10/2019 | 10:50 | 500M RADIUS | Snipe   | 2      | wet grassland; flushed from wet grassland, flew to bog (wintering) | MP       |
| SN004 | 11/10/2019 | 11:55 | 500M RADIUS | Snipe   | 4      | bogs; flushed from bog to west (wintering)                         | MP       |
| SN005 | 11/10/2019 | 11:57 | 500M RADIUS | Snipe   | 2      | bogs; flushed from bog to east (wintering)                         | MP       |
| SN006 | 11/10/2019 | 12:31 | 500M RADIUS | Snipe   | 4      | bogs; flushed from bog (wintering)                                 | MP       |
| SN007 | 20/12/2019 | 10:38 | 500M RADIUS | Snipe   | 1      | bogs; height 0-15, 10s, flew south west over bog (wintering)       | MP       |
| SN008 | 20/12/2019 | 10:50 | 500M RADIUS | Snipe   | 1      | bogs; height 0-15, 15s, flew south west over bog (wintering)       | MP       |
| SN009 | 20/12/2019 | 12:20 | 500M RADIUS | Snipe   | 1      | bogs; height 0-15, 10s, flew east over bog (wintering)             | MP       |



| Ref.  | Date       | Time  | Transect       | Species | Number | Habitat and activity                                       | Surveyor |
|-------|------------|-------|----------------|---------|--------|------------------------------------------------------------|----------|
| SN010 | 20/12/2019 | 12:25 | 500M<br>RADIUS | Snipe   | 1      | bogs; height 0-15, 10s, flew west over bog (wintering)     | MP       |
| SN011 | 20/12/2019 | 13:35 | 500M<br>RADIUS | Snipe   | 1      | bogs; height 0-15, 10s, flushed north (wintering)          | MP       |
| SN012 | 20/12/2019 | 13:38 | 500M<br>RADIUS | Snipe   | 1      | bogs; height 0-15, 10s, flushed north (wintering)          | MP       |
| SN013 | 20/12/2019 | 14:02 | 500M<br>RADIUS | Snipe   | 1      | bogs; height 0-10, 10s, flushed west (wintering)           | MP       |
| SN014 | 16/01/2020 | 13:40 | 500M<br>RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                  | MP       |
| SN015 | 16/01/2020 | 14:07 | 500M<br>RADIUS | Snipe   | 2      | bogs; flushed (wintering)                                  | MP       |
| SN016 | 16/01/2020 | 14:08 | 500M<br>RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                  | MP       |
| SN017 | 16/01/2020 | 16:07 | 500M<br>RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                  | MP       |
| SN018 | 16/01/2020 | 16:09 | 500M<br>RADIUS | Snipe   | 4      | bogs; flushed (wintering)                                  | MP       |
| SN019 | 16/01/2020 | 16:20 | 500M<br>RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                  | MP       |
| SN020 | 16/01/2020 | 16:21 | 500M<br>RADIUS | Snipe   | 5      | bogs; flushed (wintering)                                  | MP       |
| SN021 | 16/01/2020 | 16:36 | 500M<br>RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                  | MP       |
| SN022 | 04/03/2020 | 12:26 | 500M<br>RADIUS | Snipe   | 1      | lowland blanket bog; flushed (wintering)                   | MP       |
| SN023 | 04/03/2020 | 12:28 | 500M<br>RADIUS | Snipe   | 1      | lowland blanket bog; flushed (wintering)                   | MP       |
| SN024 | 04/03/2020 | 12:37 | 500M<br>RADIUS | Snipe   | 1      | lowland blanket bog; flushed (wintering)                   | MP       |
| SN025 | 04/03/2020 | 13:40 | 500M<br>RADIUS | Snipe   | 1      | wet grassland and lowland blanket bog; flushed (wintering) | MP       |
| SN026 | 14/01/2021 | 12:08 | 500M<br>RADIUS | Snipe   | 1      | cutover bog; flushed from bog (wintering)                  | JK       |

| Ref.  | Date       | Time  | Transect    | Species | Number | Habitat and activity                                              | Surveyor |
|-------|------------|-------|-------------|---------|--------|-------------------------------------------------------------------|----------|
| SN027 | 02/03/2021 | 13:56 | 500M RADIUS | Snipe   | 12     | cutover bog; flushed, total flushed during survey (wintering)     | JK       |
| SN028 | 03/03/2022 | 14:35 | 500M RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                         | ZE       |
| SN029 | 12/10/2023 | 11:56 | 500M RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                         | LDV      |
| SN030 | 12/10/2023 | 11:56 | 500M RADIUS | Snipe   | 1      | bogs; flushed (wintering)                                         | LDV      |
| SN031 | 14/11/2023 | 13:22 | 500M RADIUS | Snipe   | 2      | bogs and scrub/transitional woodland; flushed (wintering)         | LDV      |
| SN032 | 26/01/2024 | 10:17 | 500M RADIUS | Snipe   | 1      | linear woodland/scrub and improved grassland; flushed (wintering) | LDV      |
| SN033 | 26/01/2024 | 10:19 | 500M RADIUS | Snipe   | 3      | bogs; travelling (wintering)                                      | LDV      |
| SN034 | 07/03/2024 | 12:19 | 500M RADIUS | Snipe   | 1      | improved grassland; flushed (wintering)                           | LDV      |
| SN035 | 01/11/2024 | 13:27 | T1          | Snipe   | 1      | cutover bog; flushed (wintering)                                  | LDV      |
| SN036 | 12/03/2025 | 11:42 | T1          | Snipe   | 1      | bogs; flushed (wintering)                                         | LDV      |

Table 7 - 4 - 51 Snipe breeding walkover survey data

| Ref.  | Date       | Time  | Transect | Species | Number | Habitat and activity                                                               | Surveyor |
|-------|------------|-------|----------|---------|--------|------------------------------------------------------------------------------------|----------|
| SN001 | 11/04/2024 | 11:41 | T1       | Snipe   | 1      | bogs and improved grassland; drumming (suitable nesting habitat; possible breeder) | LDV      |
| SN002 | 22/05/2024 | 10:12 | T1       | Snipe   | 1      | bogs; flushed (suitable nesting habitat; possible breeder)                         | LDV      |
| SN003 | 23/07/2024 | 09:30 | T1       | Snipe   | 1      | bogs; flushed (suitable nesting habitat; possible breeder)                         | LDV      |



Table 7 - 4 - 52 Snipe waterbird distribution and abundance survey data

| Ref.  | Location                             | Date       | Time         | Species | Number | Habitat and activity                                                                                                                                            | Surveyor |
|-------|--------------------------------------|------------|--------------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SN001 | Cooloo East                          | 27/09/2019 | not recorded | Snipe   | 6      | turloughs; feeding                                                                                                                                              | CD       |
| SN002 | Levally lough                        | 08/10/2019 | 15:07        | Snipe   | 4      | turloughs; above water , flying frantically over lough, flew down reeds                                                                                         | MP       |
| SN003 | Levally lough                        | 22/10/2019 | 09:45        | Snipe   | 1      | turloughs; flying , heard calling/flying by loughside                                                                                                           | MP       |
| SN004 | Derrinacrick lough                   | 06/11/2019 | 10:30        | Snipe   | 3      | bogs; flying , flushed                                                                                                                                          | MP       |
| SN005 | Levally Lough                        | 07/02/2020 | 15:00        | Snipe   | 3      | limestone/marl lakes and improved agricultural grassland; flying , flew south                                                                                   | MP       |
| SN006 | Levally Lough                        | 05/03/2020 | 15:00        | Snipe   | 1      | improved agricultural grassland and wet grassland; flying , drumming, imporved agriculatural grassland south of lough                                           | MP       |
| SN007 | Gurteenlahard turlough               | 17/11/2020 | 14:45        | Snipe   | 1      | turloughs; flying                                                                                                                                               | JK       |
| SN008 | Horseleap Lough                      | 08/12/2020 | not recorded | Snipe   | 1      | reed and large sedge swamps; roosting                                                                                                                           | PT       |
| SN009 | Derrinacrick lough                   | 08/12/2020 | not recorded | Snipe   | 1      | habitat not recorded; flushed, only seen in flight                                                                                                              | PT       |
| SN010 | Summerville lough                    | 22/12/2020 | not recorded | Snipe   | 6      | lakes and ponds; flying                                                                                                                                         | PT       |
| SN011 | Gorteenlahard Turlough               | 22/12/2020 | not recorded | Snipe   | 1      | lakes and ponds; roosting, preening                                                                                                                             | PT       |
| SN012 | Horseleap Lough                      | 22/12/2020 | not recorded | Snipe   | 8      | reed and large sedge swamps; roosting, feeding                                                                                                                  | PT       |
| SN013 | Grange River Bridge near castlemoyle | 28/04/2021 | 15:51        | Snipe   | 1      | eroding/upland rivers and treelines; alarmed flying, disturbed by my arrival. location is just outside of 5km range. thought it was within range during survey. | SOB      |
| SN014 | Summerville lough                    | 06/10/2021 | 12:24        | Snipe   | 3      | mesotrophic lakes; flying                                                                                                                                       | JK       |
| SN015 | Doolough                             | 02/03/2022 | 11:54        | Snipe   | 1      | cutover bog; flushed                                                                                                                                            | ZE       |
| SN016 | Horseleap Lough                      | 02/03/2022 | 13:18        | Snipe   | 1      | lakes and ponds, swamps and improved agricultural grassland; flushed                                                                                            | ZE       |

| Ref.  | Location            | Date       | Time  | Species | Number | Habitat and activity                                                             | Surveyor |
|-------|---------------------|------------|-------|---------|--------|----------------------------------------------------------------------------------|----------|
| SN017 | Derrinacrick lough  | 15/03/2022 | 11:25 | Snipe   | 3      | cutover bog, improved agricultural grassland and mixed conifer woodland; flushed | ZE       |
| SN018 | Carrownabo turlough | 04/01/2024 | 14:08 | Snipe   | 12     | turloughs; roosting                                                              | LDV      |
| SN019 | Carrownabo turlough | 07/02/2024 | 12:41 | Snipe   | 2      | turloughs; roosting                                                              | LDV      |
| SN020 | Summerville Lough   | 04/09/2024 | 10:39 | Snipe   | 5      | mesotrophic lakes, wet grassland and scrub; commuting                            | CG       |
| SN021 | Levally Lough       | 04/09/2024 | 13:23 | Snipe   | 2      | eutrophic lakes and improved agricultural grassland; commuting                   | CG       |
| SN022 | Horseleap lough     | 09/01/2025 | 12:10 | Snipe   | 3      | lakes and ponds; flying                                                          | LDV      |
| SN023 | Horseleap Lough     | 25/02/2025 | 09:47 | Snipe   | 2      | lakes and ponds; flushed, not sure what flushed them                             | PDC      |

Table 7 - 4 - 53 Snipe incidental records

| Ref.  | Location                        | Date       | Time         | Species | Number | Habitat and activity                                                                                                                                                        | Surveyor |
|-------|---------------------------------|------------|--------------|---------|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SN001 | Hen Harrier Roost Survey; HHVP2 | 30/10/2019 | not recorded | Snipe   | 1      | habitat not recorded; flushed off bog on approach.                                                                                                                          | CD       |
| SN002 | Hen Harrier Roost Survey; HHVP4 | 31/10/2019 | 17:00        | Snipe   | 1      | lowland blanket bog and cutover bog; flying over scrub, bog                                                                                                                 | MP       |
| SN003 | Hen Harrier Roost Survey; HHVP3 | 31/10/2019 | 17:30        | Snipe   | 1      | habitat not recorded; heard calling                                                                                                                                         | CD       |
| SN004 | Breeding Raptor Survey; BR1     | 22/04/2020 | 11:50        | Snipe   | 1      | cutover bog; chipping                                                                                                                                                       | JK       |
| SN005 | Hen Harrier Roost Survey; HHVP4 | 14/10/2020 | 18:53        | Snipe   | 4      | cutover bog; flying at potential collision height, cutover                                                                                                                  | JK       |
| SN006 | Hen Harrier Roost Survey; HHVP2 | 21/10/2020 | 18:33        | Snipe   | 1      | cutover bog; flying                                                                                                                                                         | JK       |
| SN007 | Hen Harrier Roost Survey; HHVP3 | 30/11/2020 | not recorded | Snipe   | 1      | habitat not recorded; several heard (flight calls) during last 20 minutes. generally in the range 150-300 metres from the vps. exact location unknown, therefore not mapped | PT       |
| SN008 | Hen Harrier Roost Survey; HHVP1 | 08/12/2020 | not recorded | Snipe   | 1      | cutover bog; flying , flushed from bog pool                                                                                                                                 | PT       |
| SN009 | Hen Harrier Roost Survey; HHVP2 | 18/12/2020 | 16:59        | Snipe   | 1      | cutover bog and improved agricultural grassland; flying                                                                                                                     | PT       |



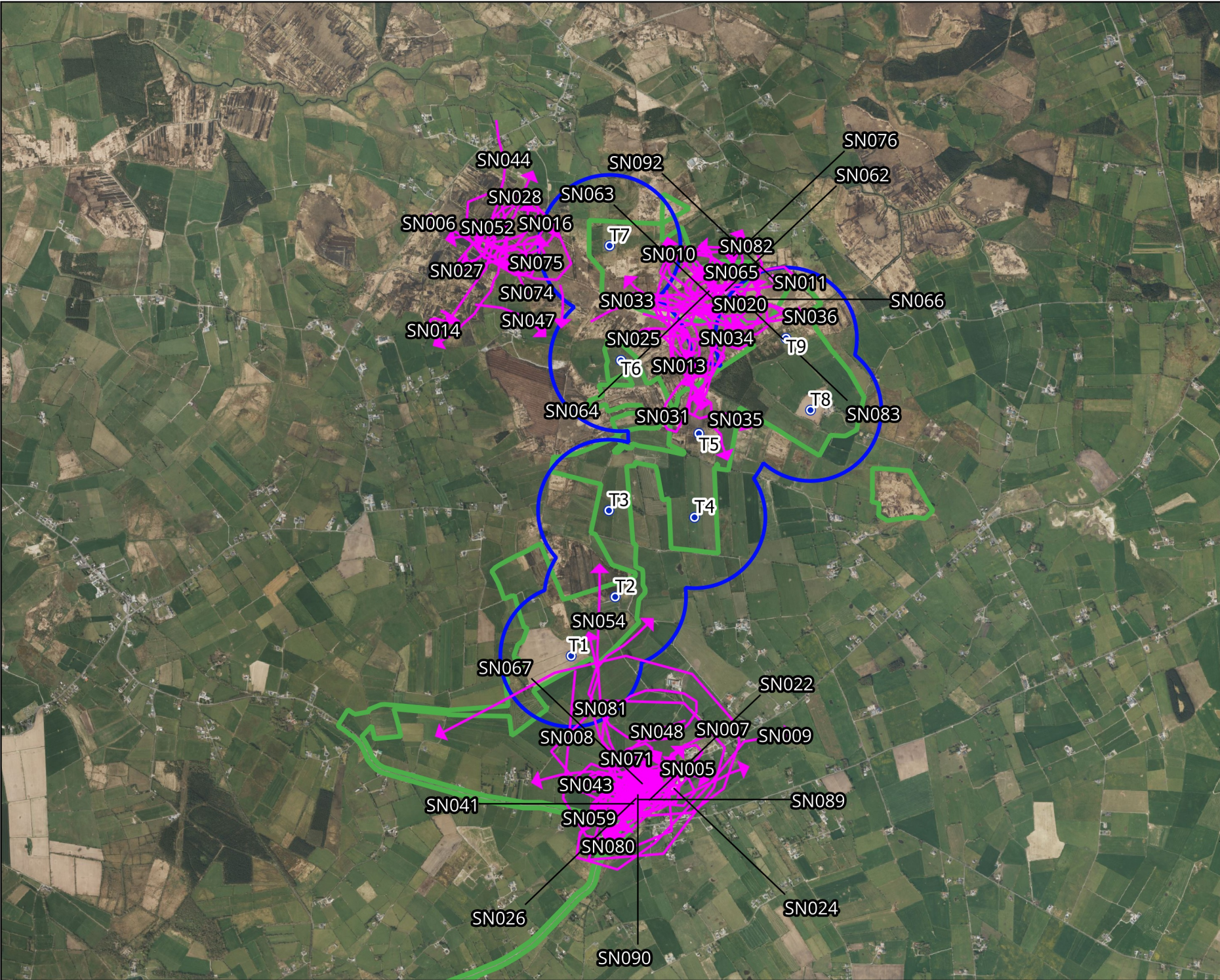
| Ref.  | Location                                      | Date       | Time  | Species | Number | Habitat and activity                                                                              | Surveyor |
|-------|-----------------------------------------------|------------|-------|---------|--------|---------------------------------------------------------------------------------------------------|----------|
| SN010 | Hen Harrier Roost Survey; HHVP2               | 18/12/2020 | 17:02 | Snipe   | 1      | habitat not recorded; flying, heard only (single flight call), location uncertain. not mapped     | PT       |
| SN011 | Hen Harrier Roost Survey; HHVP2               | 18/12/2020 | 17:05 | Snipe   | 1      | bogs; flying, heard only, approximate location mapped                                             | PT       |
| SN012 | Hen Harrier Roost Survey; HHVP2               | 18/12/2020 | 17:07 | Snipe   | 1      | habitat not recorded; flying, heard only. location uncertain, probably to north of vp. not mapped | PT       |
| SN013 | Hen Harrier Roost Survey; HHVP2               | 18/12/2020 | 17:10 | Snipe   | 1      | bogs; flying, heard only, approximate location mapped                                             | PT       |
| SN014 | Hen Harrier Roost Survey; HHVP3               | 20/12/2020 | 16:57 | Snipe   | 1      | habitat not recorded; flying, heard only (flight call), direction uncertain. not mapped           | PT       |
| SN015 | Hen Harrier Roost Survey; HHVP4               | 22/12/2020 | 16:59 | Snipe   | 1      | cutover bog; flying, heard only. mapped                                                           | PT       |
| SN016 | Hen Harrier Roost Survey; HHVP2               | 29/03/2021 | 20:30 | Snipe   | 5      | cutover bog; chipping                                                                             | JK       |
| SN017 | Breeding Raptor Survey; BR1                   | 06/05/2021 | 06:44 | Snipe   | 2      | cutover bog; chipping                                                                             | JK       |
| SN018 | Breeding Raptor Survey; BR1                   | 06/05/2021 | 07:25 | Snipe   | 1      | improved agricultural grassland and immature woodland; drumming                                   | JK       |
| SN019 | Breeding Raptor Survey; BR2                   | 08/07/2021 | 12:00 | Snipe   | 1      | cutover bog and dry calcareous and neutral grassland; drumming for duration of survey             | JK       |
| SN020 | Winter Walkover Survey; VP1                   | 13/10/2021 | 16:29 | Snipe   | 2      | cutover bog; flushed                                                                              | JK       |
| SN021 | Hen Harrier Roost Survey; HHVP4               | 15/12/2021 | 15:49 | Snipe   | 8      | cutover bog; flushed                                                                              | JK       |
| SN022 | Hen Harrier Roost Survey; Corralea - HHVP1    | 01/03/2022 | 18:46 | Snipe   | 1      | bogs and improved agricultural grassland; flying, possibly flushed                                | ZE       |
| SN023 | Hen Harrier Roost Survey; Cloondahamper HHVP2 | 02/03/2022 | 18:48 | Snipe   | 1      | cutover bog; calling, only heard                                                                  | ZE       |
| SN024 | Hen Harrier Roost Survey; Cloondahamper HHVP2 | 02/03/2022 | 18:53 | Snipe   | 1      | cutover bog and improved agricultural grassland; calling, only heard                              | ZE       |
| SN025 | Hen Harrier Roost Survey; Cloondahamper HHVP2 | 02/03/2022 | 19:13 | Snipe   | 1      | cutover bog; calling, only heard                                                                  | ZE       |
| SN026 | Vantage Point Survey; Horseleap lough         | 09/03/2022 | 12:50 | Snipe   | 4      | improved agricultural grassland and lakes and ponds; flying, on the way to vp2                    | ZE       |
| SN027 | Vantage Point Survey; Horseleap lough         | 09/03/2022 | 16:15 | Snipe   | 1      | improved agricultural grassland, lakes and ponds and swamps; flying, observed during break        | ZE       |

| Ref.  | Location                              | Date       | Time  | Species | Number | Habitat and activity                                      | Surveyor |
|-------|---------------------------------------|------------|-------|---------|--------|-----------------------------------------------------------|----------|
| SN028 | Hen Harrier Roost Survey;<br>HHVP4    | 14/03/2022 | 17:57 | Snipe   | 1      | bogs and improved agricultural grassland; calling         | ZE       |
| SN029 | Hen Harrier Roost Survey;<br>HHVP4    | 14/03/2022 | 19:07 | Snipe   | 1      | bogs and improved agricultural grassland; flying          | ZE       |
| SN030 | Hen Harrier Roost Survey;<br>hhvp4    | 14/03/2022 | 19:10 | Snipe   | 2      | bogs and conifer plantation; flying                       | ZE       |
| SN031 | Hen Harrier Roost Survey;<br>hhvp4    | 14/03/2022 | 19:32 | Snipe   | 2      | bogs; drumming, calling, singing                          | ZE       |
| SN032 | Hen Harrier Roost Survey;<br>Hhvp4    | 14/03/2022 | 19:40 | Snipe   | 1      | bogs and improved agricultural grassland; flying          | ZE       |
| SN033 | Hen Harrier Roost Survey;<br>Corralea | 09/10/2023 | 17:38 | Snipe   | 1      | bogs; flushed                                             | LDV      |
| SN034 | Hen Harrier Roost Survey;<br>Corralea | 09/10/2023 | 18:04 | Snipe   | 3      | bogs; flying                                              | LDV      |
| SN035 | Hen Harrier Roost Survey;<br>Corralea | 09/10/2023 | 19:30 | Snipe   | 1      | bogs; flying and calling, not seen but followed the calls | LDV      |
| SN036 | Hen Harrier Roost Survey;<br>HHVP4    | 19/10/2023 | 17:40 | Snipe   | 1      | bogs and scrub/transitional woodland; flying and calling  | LDV      |
| SN037 | Hen Harrier Roost Survey;<br>HHVP4    | 19/10/2023 | 19:08 | Snipe   | 1      | bogs and scrub/transitional woodland; flying              | LDV      |
| SN038 | Hen Harrier Roost Survey;<br>HHVP4    | 19/10/2023 | 19:09 | Snipe   | 1      | bogs; flying and calling                                  | LDV      |
| SN039 | Hen Harrier Roost Survey;<br>HHVP4    | 05/12/2023 | 16:43 | Snipe   | 1      | bogs and scrub/transitional woodland; flushed             | LDV      |
| SN040 | Hen Harrier Roost Survey;<br>HHVP1    | 07/12/2023 | 15:09 | Snipe   | 1      | bogs and improved grassland; travelling                   | LDV      |
| SN041 | Hen Harrier Roost Survey;<br>HHVP4a   | 08/01/2024 | 17:34 | Snipe   | 1      | improved grassland; flying                                | LDV      |
| SN042 | Hen Harrier Roost Survey;<br>hhvp1    | 22/01/2024 | 17:37 | Snipe   | 1      | bogs; calling                                             | CG       |
| SN043 | Hen Harrier Roost Survey;<br>HHVP3    | 25/01/2024 | 17:49 | Snipe   | 2      | bogs; flying, calling                                     | CG       |
| SN044 | Hen Harrier Roost Survey;<br>HHVP4    | 20/02/2024 | 18:29 | Snipe   | 1      | improved grassland and bogs; travelling                   | LDV      |
| SN045 | Hen Harrier Roost Survey;<br>HHVP4    | 20/02/2024 | 18:42 | Snipe   | 1      | bogs; drumming, heard not seen                            | LDV      |



| Ref.  | Location                         | Date       | Time  | Species | Number | Habitat and activity                                            | Surveyor |
|-------|----------------------------------|------------|-------|---------|--------|-----------------------------------------------------------------|----------|
| SN046 | Hen Harrier Roost Survey; HHVP2  | 07/03/2024 | 18:23 | Snipe   | 21     | bogs; travelling                                                | LDV      |
| SN047 | Breeding Raptor Survey; BR6      | 20/05/2024 | 05:22 | Snipe   | 1      | cutover bog; drumming, singing                                  | CG       |
| SN048 | Breeding Raptor Survey; BR6      | 21/06/2024 | 04:16 | Snipe   | 1      | bogs; drumming, heard not seen                                  | LDV      |
| SN049 | Breeding Raptor Survey; BR3      | 21/06/2024 | 07:38 | Snipe   | 1      | bogs; flushed                                                   | LDV      |
| SN050 | Breeding Raptor Survey; BR3      | 21/06/2024 | 07:47 | Snipe   | 1      | bogs; flying                                                    | LDV      |
| SN051 | Breeding Raptor Survey; BR3      | 21/06/2024 | 07:47 | Snipe   | 1      | bogs; travelling                                                | LDV      |
| SN052 | Breeding Raptor Survey; BR3      | 21/06/2024 | 08:32 | Snipe   | 1      | bogs; travelling                                                | LDV      |
| SN053 | Breeding Raptor Survey; BR3      | 21/06/2024 | 09:22 | Snipe   | 1      | bogs; drumming                                                  | LDV      |
| SN054 | Breeding Raptor Survey; BR6      | 03/07/2024 | 23:33 | Snipe   | 1      | bogs; calling, heard not seen                                   | LDV      |
| SN055 | Breeding Raptor Survey; BR6      | 03/07/2024 | 23:39 | Snipe   | 2      | bogs; calling, drumming, heard not seen                         | LDV      |
| SN056 | Breeding Raptor Survey; BR6      | 03/07/2024 | 23:50 | Snipe   | 1      | bogs; drumming, heard not seen                                  | LDV      |
| SN057 | Hen Harrier Roost Survey; HHVP1a | 07/10/2024 | 19:37 | Snipe   | 10     | bogs; calling, flying, at least 10, calling all around the hhvp | LDV      |
| SN058 | Hen Harrier Roost Survey; HHVP3  | 10/10/2024 | 19:20 | Snipe   | 1      | bogs and drainage ditches; travelling                           | LDV      |
| SN059 | Hen Harrier Roost Survey; HHVP4a | 14/10/2024 | 19:16 | Snipe   | 2      | bogs; calling                                                   | LDV      |
| SN060 | Hen Harrier Roost Survey; HHVP1a | 01/11/2024 | 17:31 | Snipe   | 6      | cutover bog; calling, heard not seen                            | LDV      |
| SN061 | Hen Harrier Roost Survey; HHVP2  | 13/11/2024 | 07:10 | Snipe   | 1      | bogs; calling, heard not seen                                   | LDV      |
| SN062 | Hen Harrier Roost Survey; HHVP2  | 05/01/2025 | 18:25 | Snipe   | 1      | cutover bog; calling                                            | CG       |
| SN063 | Hen Harrier Roost Survey; HHVP1a | 04/02/2025 | 18:03 | Snipe   | 2      | cutover bog; calling                                            | CG       |
| SN064 | Hen Harrier Roost Survey; HHVP1a | 28/03/2025 | 19:40 | Snipe   | 5      | bogs; drumming                                                  | LDV      |



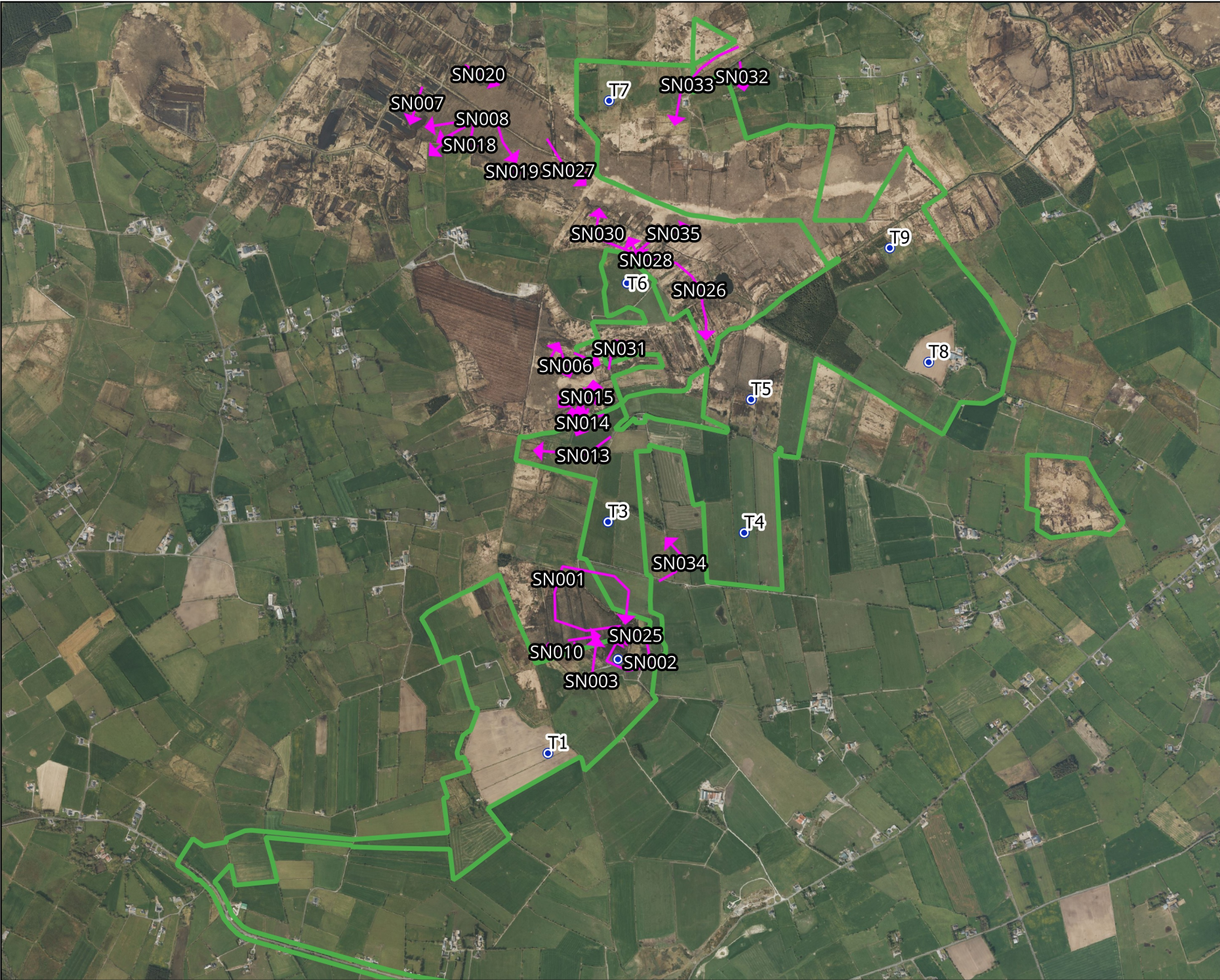


- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



|                                                                                                                                                                        |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                          |             |
| Snipe Vantage Point Survey                                                                                                                                             |             |
| Project Title                                                                                                                                                          |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                           |             |
| Drawn By                                                                                                                                                               | Checked By  |
| SD                                                                                                                                                                     | PC          |
| Project No.                                                                                                                                                            | Drawing No. |
| 190723-m                                                                                                                                                               | Fig 7-4-49  |
| Scale                                                                                                                                                                  | Date        |
| 1:35,000                                                                                                                                                               | 2025.09.18  |
| MKO Planning and Environmental Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Snipe Winter Walkover Survey                                                                                                                                                                                                                                             |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-50  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:22,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VW84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |





- Map Legend
- EIAR Site Boundary
  - Turbine Locations
  - Species Record



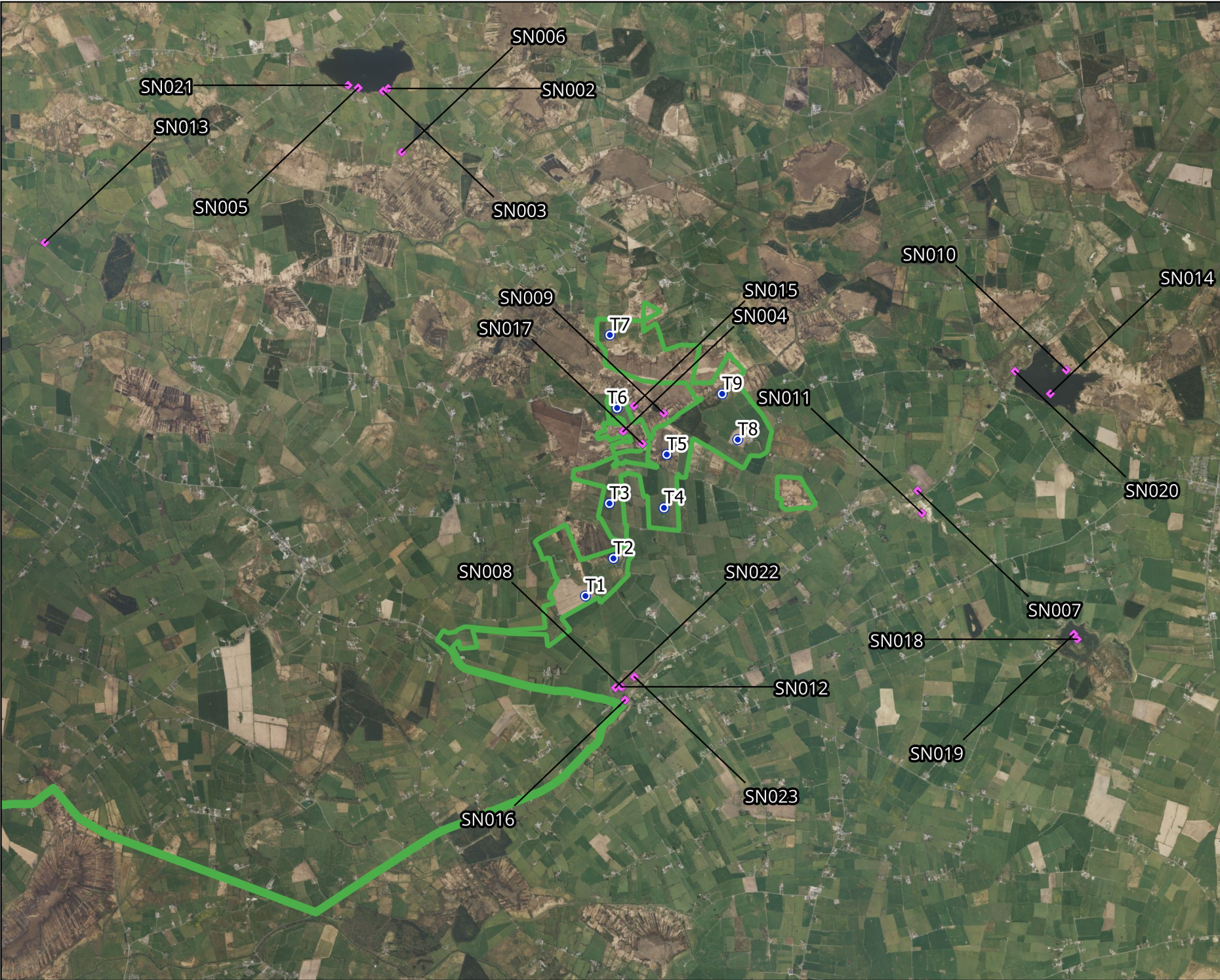
|                                |             |
|--------------------------------|-------------|
| Drawing Title                  |             |
| Snipe Breeding Walkover Survey |             |
| Project Title                  |             |
| Cooloo Wind Farm, Co. Galway   |             |
| Drawn By                       | Checked By  |
| SD                             | PC          |
| Project No.                    | Drawing No. |
| 190723-m                       | Fig 7-4-51  |
| Scale                          | Date        |
| 1:22,000                       | 2025.09.18  |



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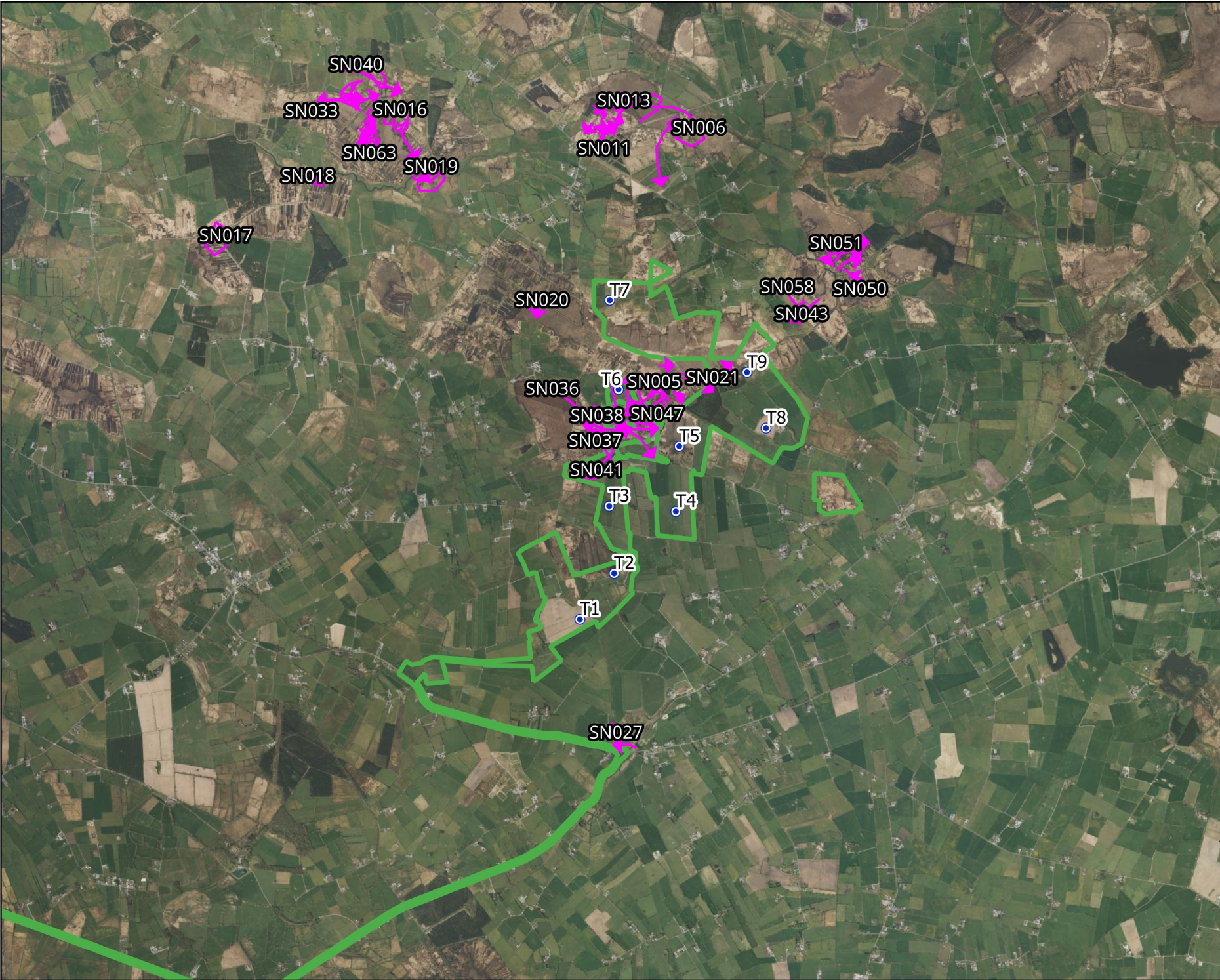
Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |          |                                                         |            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------|------------|
| Drawing Title                                                                                                                                                                                                                                                                            |          | Snipe<br>Waterbird Distribution and Abundance<br>Survey |            |
| Project Title                                                                                                                                                                                                                                                                            |          | Cooloo Wind Farm, Co. Galway                            |            |
| Drawn By                                                                                                                                                                                                                                                                                 | SD       | Checked By                                              | PC         |
| Project No.                                                                                                                                                                                                                                                                              | 190723-m | Drawing No.                                             | Fig 7-4-52 |
| Scale                                                                                                                                                                                                                                                                                    | 1:55,000 | Date                                                    | 2025.09.18 |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |          |                                                         |            |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                                          |             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                                            |             |
| Snipe<br>Incidental Records                                                                                                                                                                                                                                                              |             |
| Project Title                                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                                 | Fig 7-4-53  |
| Scale                                                                                                                                                                                                                                                                                    | Date        |
| 1:45,000                                                                                                                                                                                                                                                                                 | 2025.09.18  |
|  <div>MKO<br/>Planning and<br/>Environmental<br/>Consultants<br/>Tuam Road, Galway<br/>Ireland, H91 VV84<br/>+353 (0) 91 735611<br/>email: info@mkofireland.ie<br/>Website: ww.mkofireland.ie</div> |             |



22.

# SHOVELER

Table 7 - 4 - 54 Shoveler vantage point survey data

| Ref.  | VP  | Date       | Time         | Species  | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                                                                                                                | Surveyor |
|-------|-----|------------|--------------|----------|--------|------------------------|--------|--------|--------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SV001 | VP2 | 24/10/2019 | 12:45        | Shoveler | 1      | 6                      | 6      | 0      | 0      | 0      | turloughs and reed and large sedge swamps; flying over horseleap lough with teal and mallard. landed in reeds.                                                                      | MP       |
| SV002 | VP2 | 14/11/2019 | 10:40        | Shoveler | 25     | 35                     | 0      | 35     | 0      | 0      | limestone/marl lakes; flock of mixed ducks took off from roost and flew over lough when tractor approached. c.25shoveler, c.30teal, c20mallard, c.15wigeon. flew back down to roost | MP       |
| SV003 | VP2 | 21/01/2020 | 09:07        | Shoveler | 20     | 40                     | 5      | 10     | 25     | 0      | limestone/marl lakes; flock of mix ducks (c.30 wigeon + c.20 shoveler) took off from lough and circled over it and reeds. landed in water again after 40s.                          | MP       |
| SV004 | VP2 | 20/10/2020 | not recorded | Shoveler | 4      | 15                     | 15     | 0      | 0      | 0      | turloughs; flying                                                                                                                                                                   | JK       |
| SV005 | VP2 | 25/11/2020 | 13:38        | Shoveler | 34     | -                      | -      | -      | -      | -      | turloughs; on water                                                                                                                                                                 | JK       |
| SV006 | VP2 | 27/11/2020 | 04:55        | Shoveler | 34     | -                      | -      | -      | -      | -      | turloughs; on water, feeding                                                                                                                                                        | JK       |
| SV007 | VP2 | 14/12/2020 | not recorded | Shoveler | 28     | -                      | -      | -      | -      | -      | lakes and ponds; on horseleap lough                                                                                                                                                 | PT       |
| SV008 | VP2 | 12/01/2021 | 08:55        | Shoveler | 4      | -                      | -      | -      | -      | -      | turloughs; on water                                                                                                                                                                 | JK       |
| SV009 | VP2 | 04/02/2021 | 12:47        | Shoveler | 11     | -                      | -      | -      | -      | -      | lakes and ponds; on water                                                                                                                                                           | CD       |
| SV010 | VP2 | 04/02/2021 | 15:38        | Shoveler | 4      | 70                     | 70     | 0      | 0      | 0      | lakes and ponds; flying around lake                                                                                                                                                 | CD       |
| SV011 | VP2 | 31/03/2021 | 07:08        | Shoveler | 4      | 4                      | 4      | 0      | 0      | 0      | turloughs; flying                                                                                                                                                                   | JK       |

| Ref.  | VP  | Date       | Time  | Species  | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity         | Surveyor |
|-------|-----|------------|-------|----------|--------|------------------------|--------|--------|--------|--------|------------------------------|----------|
| SV012 | VP2 | 15/10/2021 | 09:52 | Shoveler | 5      | -                      | -      | -      | -      | -      | turloughs; feeding           | JK       |
| SV013 | VP2 | 10/11/2021 | 15:43 | Shoveler | 39     | 240                    | 220    | 220    | 0      | 0      | turloughs; flushed           | JK       |
| SV014 | VP2 | 19/11/2021 | 13:35 | Shoveler | 53     | 200                    | 200    | 0      | 0      | 0      | turloughs; flying            | JK       |
| SV015 | VP2 | 19/11/2021 | 13:55 | Shoveler | 9      | 120                    | 10     | 10     | 100    | 0      | turloughs; flying            | JK       |
| SV016 | VP2 | 02/12/2021 | 12:10 | Shoveler | 31     | -                      | -      | -      | -      | -      | turloughs; on water          | JK       |
| SV017 | VP2 | 02/12/2021 | 12:46 | Shoveler | 17     | 80                     | 60     | 20     | 0      | 0      | turloughs; flushed           | JK       |
| SV018 | VP2 | 14/12/2021 | 09:13 | Shoveler | 39     | -                      | -      | -      | -      | -      | turloughs; feeding on water  | JK       |
| SV019 | VP2 | 14/12/2021 | 09:25 | Shoveler | 33     | 30                     | 15     | 15     | 0      | 0      | turloughs; flushed           | JK       |
| SV020 | VP2 | 12/01/2022 | 12:06 | Shoveler | 33     | -                      | -      | -      | -      | -      | turloughs; on water          | JK       |
| SV021 | VP2 | 28/01/2022 | 15:01 | Shoveler | 40     | -                      | -      | -      | -      | -      | turloughs; on water          | JK       |
| SV022 | VP2 | 08/02/2022 | 14:51 | Shoveler | 38     | -                      | -      | -      | -      | -      | turloughs; on water          | JK       |
| SV023 | VP2 | 23/02/2022 | 07:56 | Shoveler | 19     | -                      | -      | -      | -      | -      | turloughs; on water          | JK       |
| SV024 | VP2 | 09/03/2022 | 13:23 | Shoveler | 20     | -                      | -      | -      | -      | -      | lakes and ponds; feeding     | ZE       |
| SV025 | VP2 | 09/03/2022 | 16:35 | Shoveler | 23     | -                      | -      | -      | -      | -      | lakes and ponds; feeding     | ZE       |
| SV026 | VP2 | 20/10/2023 | 14:22 | Shoveler | 1      | 14                     | 14     | 0      | 0      | 0      | freshwater marsh; travelling | LDV      |
| SV027 | VP2 | 20/10/2023 | 14:27 | Shoveler | 4      | 39                     | 30     | 9      | 0      | 0      | freshwater marsh; travelling | LDV      |



| Ref.  | VP  | Date       | Time  | Species  | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                         | Surveyor |
|-------|-----|------------|-------|----------|--------|------------------------|--------|--------|--------|--------|----------------------------------------------|----------|
| SV028 | VP2 | 20/10/2023 | 14:29 | Shoveler | 9      | 42                     | 35     | 7      | 0      | 0      | freshwater marsh; travelling                 | LDV      |
| SV029 | VP2 | 23/10/2023 | 16:59 | Shoveler | 6      | 48                     | 48     | 0      | 0      | 0      | freshwater marsh; travelling                 | LDV      |
| SV030 | VP2 | 23/10/2023 | 17:05 | Shoveler | 3      | 49                     | 49     | 0      | 0      | 0      | freshwater marsh; travelling                 | LDV      |
| SV031 | VP2 | 23/10/2023 | 17:10 | Shoveler | 5      | 22                     | 10     | 12     | 0      | 0      | freshwater marsh; travelling                 | LDV      |
| SV032 | VP2 | 15/11/2023 | 07:19 | Shoveler | 2      | -                      | -      | -      | -      | -      | lakes and ponds; foraging on water           | LDV      |
| SV033 | VP2 | 15/11/2023 | 09:07 | Shoveler | 2      | 19                     | 19     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV034 | VP2 | 15/11/2023 | 09:11 | Shoveler | 2      | 23                     | 23     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV035 | VP2 | 15/11/2023 | 09:15 | Shoveler | 4      | 34                     | 10     | 24     | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV036 | VP2 | 15/11/2023 | 11:21 | Shoveler | 8      | 10                     | 10     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV037 | VP2 | 15/11/2023 | 13:05 | Shoveler | 4      | 42                     | 42     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV038 | VP2 | 15/11/2023 | 13:09 | Shoveler | 2      | 14                     | 14     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV039 | VP2 | 15/11/2023 | 13:13 | Shoveler | 3      | 10                     | 10     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV040 | VP2 | 15/11/2023 | 13:14 | Shoveler | 4      | 11                     | 11     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV041 | VP2 | 15/11/2023 | 13:22 | Shoveler | 4      | 54                     | 54     | 0      | 0      | 0      | lakes and ponds; travelling                  | LDV      |
| SV042 | VP2 | 12/12/2023 | 11:09 | Shoveler | 46     | -                      | -      | -      | -      | -      | lakes and ponds; foraging, stayed all survey | LDV      |
| SV043 | VP2 | 12/12/2023 | 14:40 | Shoveler | 32     | 47                     | 30     | 17     | 0      | 0      | lakes and ponds; travelling                  | LDV      |

| Ref.  | VP  | Date       | Time  | Species  | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                   | Surveyor |
|-------|-----|------------|-------|----------|--------|------------------------|--------|--------|--------|--------|--------------------------------------------------------|----------|
| SV044 | VP2 | 12/12/2023 | 14:55 | Shoveler | 8      | 53                     | 53     | 0      | 0      | 0      | lakes and ponds; travelling                            | LDV      |
| SV045 | VP2 | 12/01/2024 | 08:19 | Shoveler | 48     | -                      | -      | -      | -      | -      | lakes and ponds; foraging                              | LDV      |
| SV046 | VP2 | 12/01/2024 | 10:17 | Shoveler | 12     | 16                     | 16     | 0      | 0      | 0      | lakes and ponds; flying                                | LDV      |
| SV047 | VP2 | 12/01/2024 | 10:28 | Shoveler | 7      | 91                     | 10     | 10     | 61     | 0      | lakes and ponds; flying                                | LDV      |
| SV048 | VP2 | 12/01/2024 | 11:55 | Shoveler | 6      | 354                    | 54     | 100    | 200    | 0      | lakes and ponds; flying, scared away by tractor        | LDV      |
| SV049 | VP2 | 15/02/2024 | 12:07 | Shoveler | 44     | -                      | -      | -      | -      | -      | lakes and ponds; foraging, stayed during entire survey | LDV      |
| SV050 | VP2 | 15/02/2024 | 12:40 | Shoveler | 3      | 12                     | 10     | 2      | 0      | 0      | lakes and ponds; travelling                            | LDV      |
| SV051 | VP2 | 15/02/2024 | 16:06 | Shoveler | 3      | 16                     | 10     | 6      | 0      | 0      | lakes and ponds; travelling                            | LDV      |
| SV052 | VP2 | 15/02/2024 | 16:20 | Shoveler | 6      | 27                     | 20     | 7      | 0      | 0      | lakes and ponds; travelling                            | LDV      |
| SV053 | VP2 | 14/03/2024 | 06:32 | Shoveler | 18     | -                      | -      | -      | -      | -      | lakes and ponds; foraging                              | LDV      |
| SV054 | VP2 | 14/03/2024 | 07:20 | Shoveler | 1      | 36                     | 16     | 20     | 0      | 0      | lakes and ponds and improved grassland; travelling     | LDV      |
| SV055 | VP2 | 14/03/2024 | 08:14 | Shoveler | 2      | 67                     | 30     | 37     | 0      | 0      | lakes and ponds; travelling                            | LDV      |
| SV056 | VP2 | 14/03/2024 | 11:01 | Shoveler | 3      | 69                     | 20     | 49     | 0      | 0      | lakes and ponds; travelling                            | LDV      |
| SV057 | VP2 | 10/04/2024 | 14:43 | Shoveler | 2      | -                      | -      | -      | -      | -      | lakes and ponds; foraging                              | LDV      |
| SV058 | VP2 | 06/11/2024 | 07:19 | Shoveler | 2      | 36                     | 36     | 0      | 0      | 0      | lakes and ponds; travelling                            | LDV      |
| SV059 | VP2 | 06/11/2024 | 07:21 | Shoveler | 22     | -                      | -      | -      | -      | -      | lakes and ponds; swimming                              | LDV      |



| Ref.  | VP  | Date       | Time  | Species  | Number | Duration of flight (s) | Band 1 | Band 2 | Band 3 | Band 4 | Habitat and activity                                                                          | Surveyor |
|-------|-----|------------|-------|----------|--------|------------------------|--------|--------|--------|--------|-----------------------------------------------------------------------------------------------|----------|
| SV060 | VP2 | 29/11/2024 | 12:28 | Shoveler | 18     | -                      | -      | -      | -      | -      | lakes and ponds; foraging, roosting                                                           | LDV      |
| SV061 | VP2 | 29/11/2024 | 13:26 | Shoveler | 18     | 267                    | 100    | 167    | 0      | 0      | lakes and ponds; circling                                                                     | LDV      |
| SV062 | VP2 | 29/11/2024 | 13:30 | Shoveler | 4      | 12                     | 12     | 0      | 0      | 0      | lakes and ponds; travelling                                                                   | LDV      |
| SV063 | VP2 | 23/01/2025 | 07:53 | Shoveler | 52     | -                      | -      | -      | -      | -      | lakes and ponds; roosting, foraging                                                           | LDV      |
| SV064 | VP2 | 23/01/2025 | 09:35 | Shoveler | 1      | 17                     | 17     | 0      | 0      | 0      | improved agricultural grassland and lakes and ponds; travelling                               | LDV      |
| SV065 | VP2 | 06/02/2025 | 12:28 | Shoveler | 55     | -                      | -      | -      | -      | -      | lakes and ponds; foraging                                                                     | LDV      |
| SV066 | VP2 | 06/02/2025 | 12:30 | Shoveler | 44     | 550                    | 50     | 100    | 400    | 0      | lakes and ponds; travelling                                                                   | LDV      |
| SV067 | VP2 | 12/03/2025 | 07:32 | Shoveler | 28     | -                      | -      | -      | -      | -      | turloughs; foraging                                                                           | PDC      |
| SV068 | VP2 | 12/03/2025 | 10:11 | Shoveler | 7      | 28                     | 28     | 0      | 0      | 0      | turloughs; travelling, think these were new arrivals but hard to be sure. dropped onto lough. | PDC      |

Table 7 - 4 - 55 Shoveler waterbird distribution and abundance survey data

| Ref.  | Location        | Date       | Time  | Species  | Number | Habitat and activity                                                                                                                                                          | Surveyor |
|-------|-----------------|------------|-------|----------|--------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| SV001 | Horseleap Lough | 06/11/2019 | 09:30 | Shoveler | 17     | turloughs, reed and large sedge swamps and lakes and ponds; on water feeding/roosting, on lough at first, took off and flew over lough for 120s. landed in reeds with mallard | MP       |
| SV002 | Levally Lough   | 06/11/2019 | 14:00 | Shoveler | 12     | limestone/marl lakes; on water feeding/roosting, with other duck species                                                                                                      | MP       |
| SV003 | Horseleap Lough | 05/12/2019 | 10:30 | Shoveler | 1      | limestone/marl lakes; on water feeding/roosting, lough side (west) with other ducks                                                                                           | MP       |
| SV004 | Levally Lough   | 19/12/2019 | 14:00 | Shoveler | 10     | limestone/marl lakes; on water feeding/roosting                                                                                                                               | MP       |
| SV005 | Horseleap Lough | 15/01/2020 | 10:15 | Shoveler | 2      | limestone/marl lakes and turloughs; on water feeding/roosting, present on lough upon arrival                                                                                  | MP       |

| Ref.  | Location               | Date       | Time         | Species  | Number | Habitat and activity                                                                                             | Surveyor |
|-------|------------------------|------------|--------------|----------|--------|------------------------------------------------------------------------------------------------------------------|----------|
| SV006 | Horseleap Lough        | 28/01/2020 | 10:45        | Shoveler | 10     | limestone/marl lakes; on water feeding/roosting                                                                  | MP       |
| SV007 | Gorteenlahard Turlough | 28/01/2020 | 12:30        | Shoveler | 10     | turloughs; on water feeding/roosting                                                                             | MP       |
| SV008 | Horseleap Lough        | 21/02/2020 | 11:00        | Shoveler | 20     | limestone/marl lakes; on water feeding/roosting                                                                  | MP       |
| SV009 | Horseleap Lough        | 05/03/2020 | 12:00        | Shoveler | 14     | limestone/marl lakes; on water feeding/roosting                                                                  | MP       |
| SV010 | Horseleap Lough        | 19/03/2020 | 13:45        | Shoveler | 1      | limestone/marl lakes; on water feeding/roosting                                                                  | MP       |
| SV011 | Levally Lough          | 23/10/2020 | 09:33        | Shoveler | 28     | turloughs; feeding                                                                                               | JK       |
| SV012 | Gorteenlahard Turlough | 08/12/2020 | not recorded | Shoveler | 27     | lakes and ponds and improved agricultural grassland; 18 feeding on water, 9 roosting terrestrial, map location 7 | PT       |
| SV013 | Gorteenlahard Turlough | 22/12/2020 | not recorded | Shoveler | 53     | lakes and ponds; swimming, preening, map location 5                                                              | PT       |
| SV014 | Horseleap Lough        | 22/12/2020 | not recorded | Shoveler | 26     | lakes and ponds; roosting, feeding, map location 6                                                               | PT       |
| SV015 | Horseleap Lough        | 29/01/2021 | 14:51        | Shoveler | 8      | turloughs; on water                                                                                              | JK       |
| SV016 | Gurteenlahard turlough | 08/02/2021 | 15:48        | Shoveler | 7      | turloughs; on water                                                                                              | JK       |
| SV017 | Horseleap Lough        | 24/02/2021 | 14:18        | Shoveler | 16     | turloughs; on water                                                                                              | JK       |
| SV018 | Gurteenlahard turlough | 24/02/2021 | 16:00        | Shoveler | 14     | limestone/marl lakes; on water                                                                                   | JK       |
| SV019 | Horseleap Lough        | 07/04/2021 | 15:47        | Shoveler | 5      | turloughs; on water                                                                                              | JK       |
| SV020 | Horseleap Lough        | 06/10/2021 | 12:40        | Shoveler | 10     | turloughs; on water                                                                                              | JK       |
| SV021 | Horseleap Lough        | 19/10/2021 | 11:41        | Shoveler | 10     | turloughs; on water                                                                                              | JK       |
| SV022 | Horseleap Lough        | 10/11/2021 | 15:00        | Shoveler | 39     | turloughs; on water                                                                                              | JK       |
| SV023 | Horseleap Lough        | 23/11/2021 | 14:18        | Shoveler | 11     | turloughs; on water                                                                                              | JK       |
| SV024 | Gurteenlahard turlough | 23/11/2021 | 14:26        | Shoveler | 7      | turloughs; on water                                                                                              | JK       |
| SV025 | Gurteenlahard turlough | 03/12/2021 | 14:55        | Shoveler | 2      | turloughs; on water                                                                                              | JK       |
| SV026 | Horseleap Lough        | 03/12/2021 | 15:12        | Shoveler | 28     | turloughs; on water                                                                                              | JK       |
| SV027 | Horseleap Lough        | 16/12/2021 | 13:31        | Shoveler | 56     | turloughs; on water                                                                                              | JK       |
| SV028 | Summerville lough      | 16/12/2021 | 14:03        | Shoveler | 12     | mesotrophic lakes; on water, flew off before full count                                                          | JK       |
| SV029 | Summerville lough      | 16/12/2021 | 14:12        | Shoveler | 4      | turloughs; on water                                                                                              | JK       |
| SV030 | Horseleap Lough        | 11/01/2022 | 14:11        | Shoveler | 33     | turloughs; on water                                                                                              | JK       |
| SV031 | Summerville lough      | 11/01/2022 | 14:33        | Shoveler | 3      | mesotrophic lakes; on water                                                                                      | JK       |



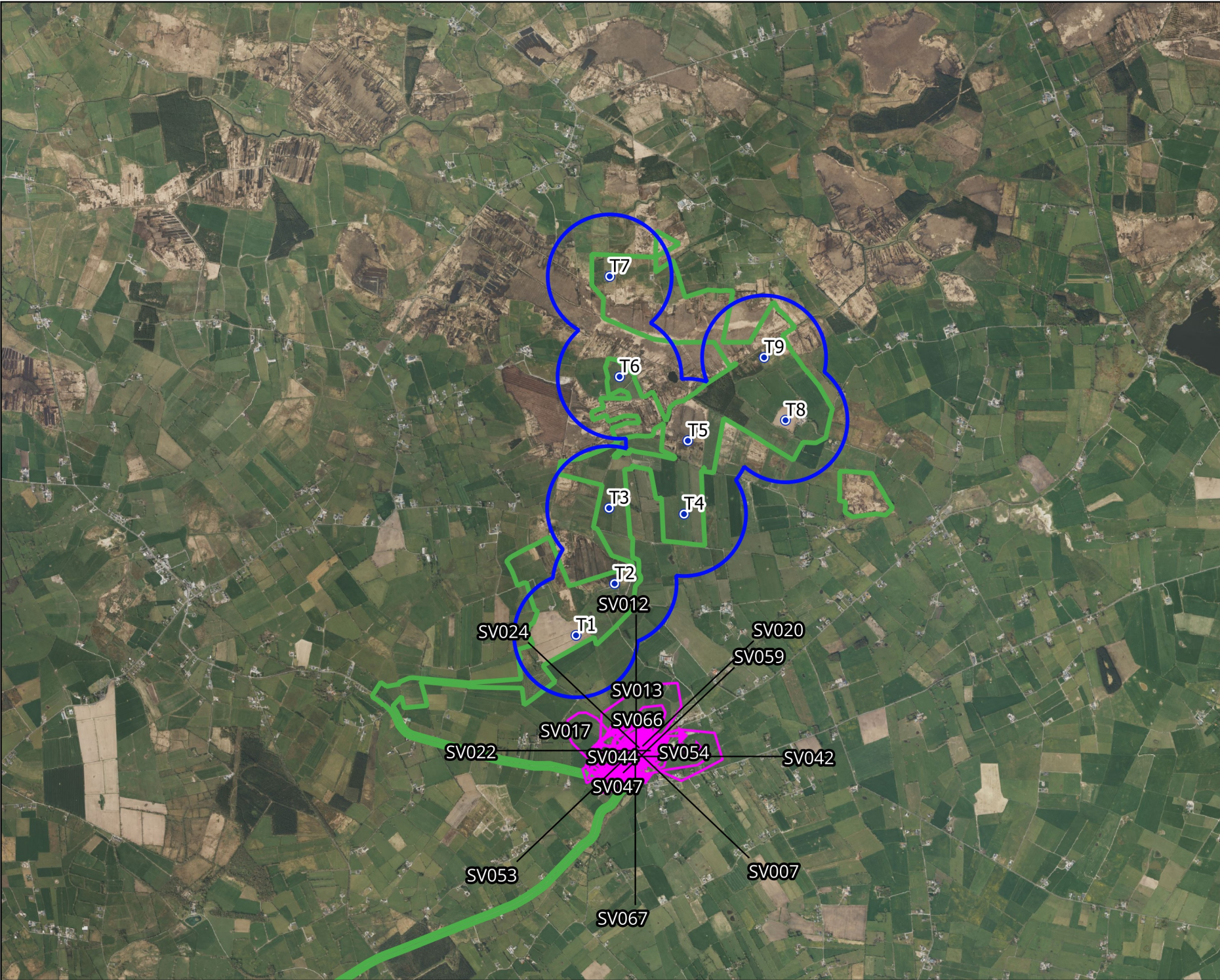
| Ref.  | Location               | Date       | Time  | Species  | Number | Habitat and activity                                                 | Surveyor |
|-------|------------------------|------------|-------|----------|--------|----------------------------------------------------------------------|----------|
| SV032 | Horseleap Lough        | 26/01/2022 | 15:33 | Shoveler | 27     | mesotrophic lakes; on water                                          | JK       |
| SV033 | Horseleap Lough        | 03/02/2022 | 12:56 | Shoveler | 16     | turloughs; on water                                                  | JK       |
| SV034 | Horseleap Lough        | 17/02/2022 | 15:12 | Shoveler | 4      | turloughs; on water                                                  | JK       |
| SV035 | Gurteenlahard turlough | 02/03/2022 | 10:14 | Shoveler | 2      | turloughs and improved agricultural grassland; feeding, swimming     | ZE       |
| SV036 | Horseleap Lough        | 02/03/2022 | 13:12 | Shoveler | 28     | lakes and ponds, swamps and improved agricultural grassland; feeding | ZE       |
| SV037 | Horseleap Lough        | 15/03/2022 | 12:16 | Shoveler | 10     | lakes and ponds, swamps and improved agricultural grassland; feeding | ZE       |
| SV038 | Horseleap Lough        | 15/03/2022 | 12:23 | Shoveler | 8      | lakes and ponds, swamps and improved agricultural grassland; feeding | ZE       |
| SV039 | Horseleap Lough        | 29/09/2023 | 12:51 | Shoveler | 2      | turloughs; on water                                                  | ZOC      |
| SV040 | Gurteenlahard turlough | 19/10/2023 | 13:57 | Shoveler | 4      | turloughs; foraging                                                  | LDV      |
| SV041 | Carrownabo turlough    | 19/12/2023 | 11:13 | Shoveler | 150    | turloughs; foraging                                                  | LDV      |
| SV042 | Horseleap Lough        | 04/01/2024 | 14:29 | Shoveler | 32     | lakes and ponds; foraging                                            | LDV      |
| SV043 | Carrownabo turlough    | 23/01/2024 | 11:42 | Shoveler | 26     | turloughs; foraging                                                  | LDV      |
| SV044 | Horseleap Lough        | 23/01/2024 | 12:47 | Shoveler | 38     | lakes and ponds; foraging, roosting                                  | LDV      |
| SV045 | Horseleap Lough        | 07/02/2024 | 09:46 | Shoveler | 44     | lakes and ponds; foraging                                            | LDV      |
| SV046 | Carrownabo turlough    | 07/02/2024 | 12:39 | Shoveler | 54     | turloughs; foraging                                                  | LDV      |
| SV047 | Horseleap Lough        | 20/02/2024 | 11:23 | Shoveler | 18     | lakes and ponds; foraging                                            | LDV      |
| SV048 | Gurteenlahard turlough | 20/02/2024 | 14:07 | Shoveler | 5      | turloughs; foraging                                                  | LDV      |
| SV049 | Horseleap Lough        | 01/03/2024 | 11:48 | Shoveler | 18     | lakes and ponds; foraging                                            | LDV      |
| SV050 | Gurteenlahard turlough | 01/03/2024 | 14:54 | Shoveler | 17     | turloughs; foraging                                                  | LDV      |
| SV051 | Carrownabo turlough    | 01/03/2024 | 15:33 | Shoveler | 11     | turloughs; foraging                                                  | LDV      |
| SV052 | Carrownabo turlough    | 15/03/2024 | 14:40 | Shoveler | 32     | turloughs; foraging                                                  | LDV      |
| SV053 | Horseleap lough        | 04/04/2024 | 10:23 | Shoveler | 36     | lakes and ponds; foraging, roosting                                  | LDV      |
| SV054 | Horseleap Lough        | 19/09/2024 | 10:23 | Shoveler | 15     | turloughs; foraging, flushed                                         | CG       |
| SV055 | Horseleap lough        | 23/10/2024 | 09:12 | Shoveler | 6      | lakes and ponds; travelling, foraging                                | LDV      |
| SV056 | Carrownabo turlough    | 23/10/2024 | 12:21 | Shoveler | 4      | turloughs; foraging                                                  | LDV      |
| SV057 | Horseleap lough        | 13/11/2024 | 10:34 | Shoveler | 2      | lakes and ponds; foraging                                            | LDV      |
| SV058 | Summerville lough      | 13/11/2024 | 12:55 | Shoveler | 2      | lakes and ponds; foraging                                            | LDV      |
| SV059 | Carrownabo turlough    | 13/11/2024 | 13:20 | Shoveler | 6      | turloughs; foraging                                                  | LDV      |
| SV060 | Horseleap lough        | 26/11/2024 | 11:02 | Shoveler | 6      | lakes and ponds; foraging                                            | LDV      |
| SV061 | Barnaderg              | 26/11/2024 | 11:35 | Shoveler | 2      | turloughs; foraging                                                  | LDV      |
| SV062 | Carrownabo turlough    | 26/11/2024 | 14:02 | Shoveler | 98     | turloughs; foraging                                                  | LDV      |
| SV063 | Horseleap Lough        | 06/12/2024 | 08:49 | Shoveler | 38     | turloughs; foraging                                                  | PDC      |

| Ref.  | Location             | Date       | Time  | Species  | Number | Habitat and activity                                                       | Surveyor |
|-------|----------------------|------------|-------|----------|--------|----------------------------------------------------------------------------|----------|
| SV064 | Horseleap Lough      | 06/12/2024 | 08:54 | Shoveler | 6      | improved agricultural grassland; foraging, on flooded field with mute swan | PDC      |
| SV065 | Levally Lough        | 06/12/2024 | 09:52 | Shoveler | 5      | turloughs; foraging                                                        | PDC      |
| SV066 | Horseleap lough      | 16/12/2024 | 10:52 | Shoveler | 30     | lakes and ponds; foraging, roosting                                        | LDV      |
| SV067 | Carrownabo turlough  | 16/12/2024 | 14:25 | Shoveler | 46     | turloughs; foraging, roosting                                              | LDV      |
| SV068 | Horseleap lough      | 09/01/2025 | 12:09 | Shoveler | 16     | lakes and ponds; foraging                                                  | LDV      |
| SV069 | Templemoyle turlough | 29/01/2025 | 11:13 | Shoveler | 12     | turloughs; foraging                                                        | LDV      |
| SV070 | Carrownabo turlough  | 29/01/2025 | 11:25 | Shoveler | 22     | turloughs; foraging                                                        | LDV      |
| SV071 | Horseleap lough      | 29/01/2025 | 12:11 | Shoveler | 16     | lakes and ponds; foraging                                                  | LDV      |
| SV072 | Horseleap Lough      | 14/02/2025 | 08:40 | Shoveler | 42     | lakes and ponds; foraging                                                  | PDC      |
| SV073 | Templemoyle Turlough | 14/02/2025 | 09:47 | Shoveler | 16     | turloughs; foraging                                                        | PDC      |
| SV074 | Carrownabo Turlough  | 14/02/2025 | 10:49 | Shoveler | 9      | turloughs; foraging                                                        | PDC      |
| SV075 | Horseleap Lough      | 25/02/2025 | 09:44 | Shoveler | 23     | lakes and ponds; foraging                                                  | PDC      |
| SV076 | Carrownabo Turlough  | 25/02/2025 | 12:24 | Shoveler | 12     | turloughs; foraging                                                        | PDC      |
| SV077 | Carrownabo turlough  | 11/03/2025 | 15:44 | Shoveler | 42     | turloughs; foraging                                                        | LDV      |
| SV078 | Horseleap lough      | 28/03/2025 | 13:18 | Shoveler | 28     | lakes and ponds; foraging                                                  | LDV      |
| SV079 | Levally lough        | 28/03/2025 | 16:11 | Shoveler | 4      | lakes and ponds; foraging                                                  | LDV      |

Table 7 - 4 - 56 Shoveler incidental records

| Ref.  | Location                              | Date       | Time  | Species  | Number | Habitat and activity                                                                        | Surveyor |
|-------|---------------------------------------|------------|-------|----------|--------|---------------------------------------------------------------------------------------------|----------|
| SV001 | Vantage Point Survey; Horseleap lough | 09/03/2022 | 16:15 | Shoveler | 15     | lakes and ponds, swamps and improved agricultural grassland; feeding, observed during break | ZE       |





- Map Legend
- EIAR Site Boundary
  - 500m Turbine Radius
  - Turbine Locations
  - Species Record
  - Species Record



Drawing Title

Shoveler  
Vantage Point Survey

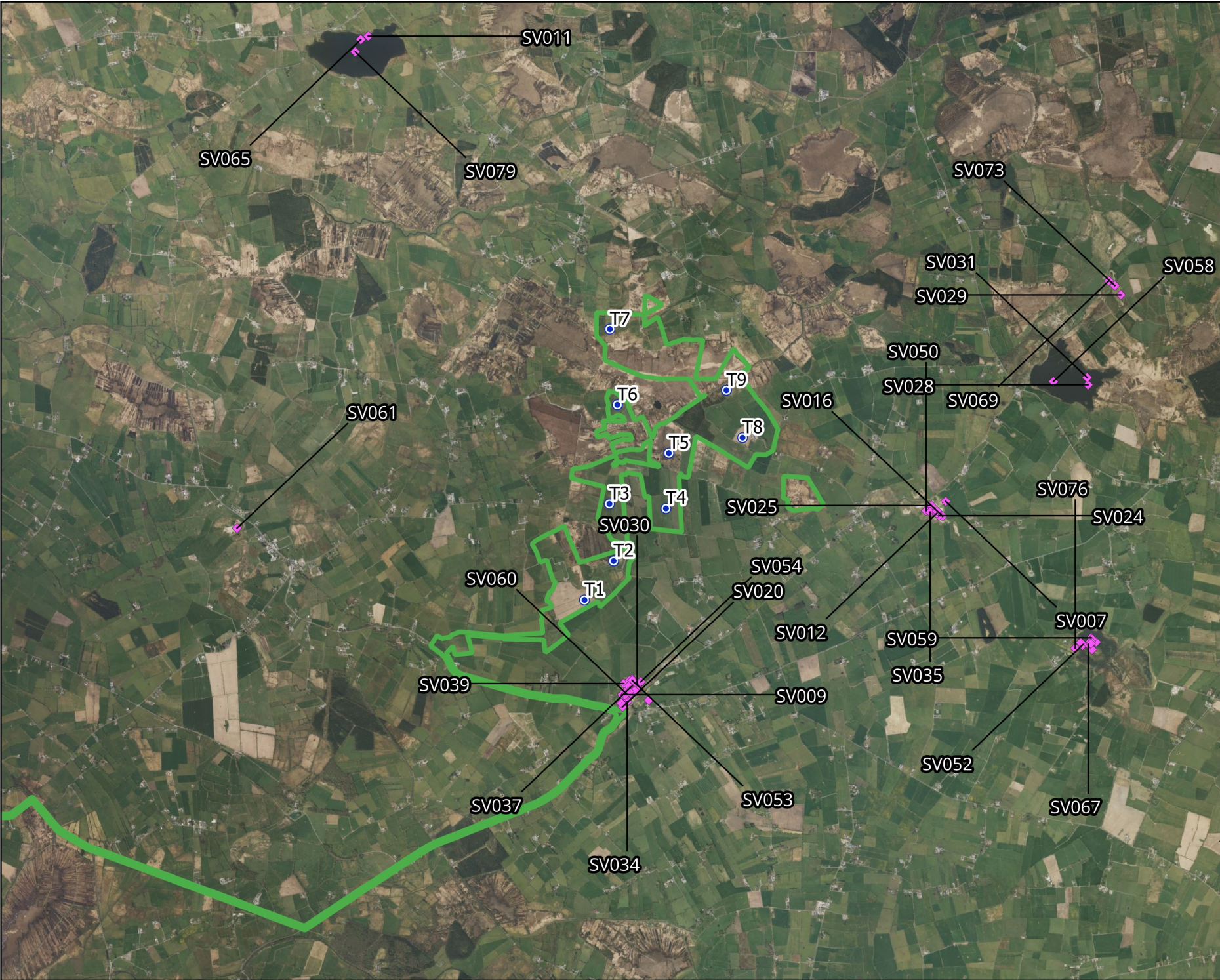
Project Title

Cooloo Wind Farm, Co. Galway

|             |          |             |            |
|-------------|----------|-------------|------------|
| Drawn By    | SD       | Checked By  | PC         |
| Project No. | 190723-m | Drawing No. | Fig 7-4-54 |
| Scale       | 1:40,000 | Date        | 2025.09.18 |

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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Shoveler<br>Waterbird Distribution and Abundance<br>Survey                                                                                                                                                                                                               |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-55  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:53,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
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Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



|                                                                                                                                                                                                                                                                          |             |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------|
| Drawing Title                                                                                                                                                                                                                                                            |             |
| Shoveler<br>Incidental Records                                                                                                                                                                                                                                           |             |
| Project Title                                                                                                                                                                                                                                                            |             |
| Cooloo Wind Farm, Co. Galway                                                                                                                                                                                                                                             |             |
| Drawn By                                                                                                                                                                                                                                                                 | Checked By  |
| SD                                                                                                                                                                                                                                                                       | PC          |
| Project No.                                                                                                                                                                                                                                                              | Drawing No. |
| 190723-m                                                                                                                                                                                                                                                                 | Fig 7-4-56  |
| Scale                                                                                                                                                                                                                                                                    | Date        |
| 1:25,000                                                                                                                                                                                                                                                                 | 2025.09.18  |
| <br>MKO<br>Planning and<br>Environmental<br>Consultants<br>Tuam Road, Galway<br>Ireland, H91 VV84<br>+353 (0) 91 735611<br>email: info@mkofireland.ie<br>Website: ww.mkofireland.ie |             |



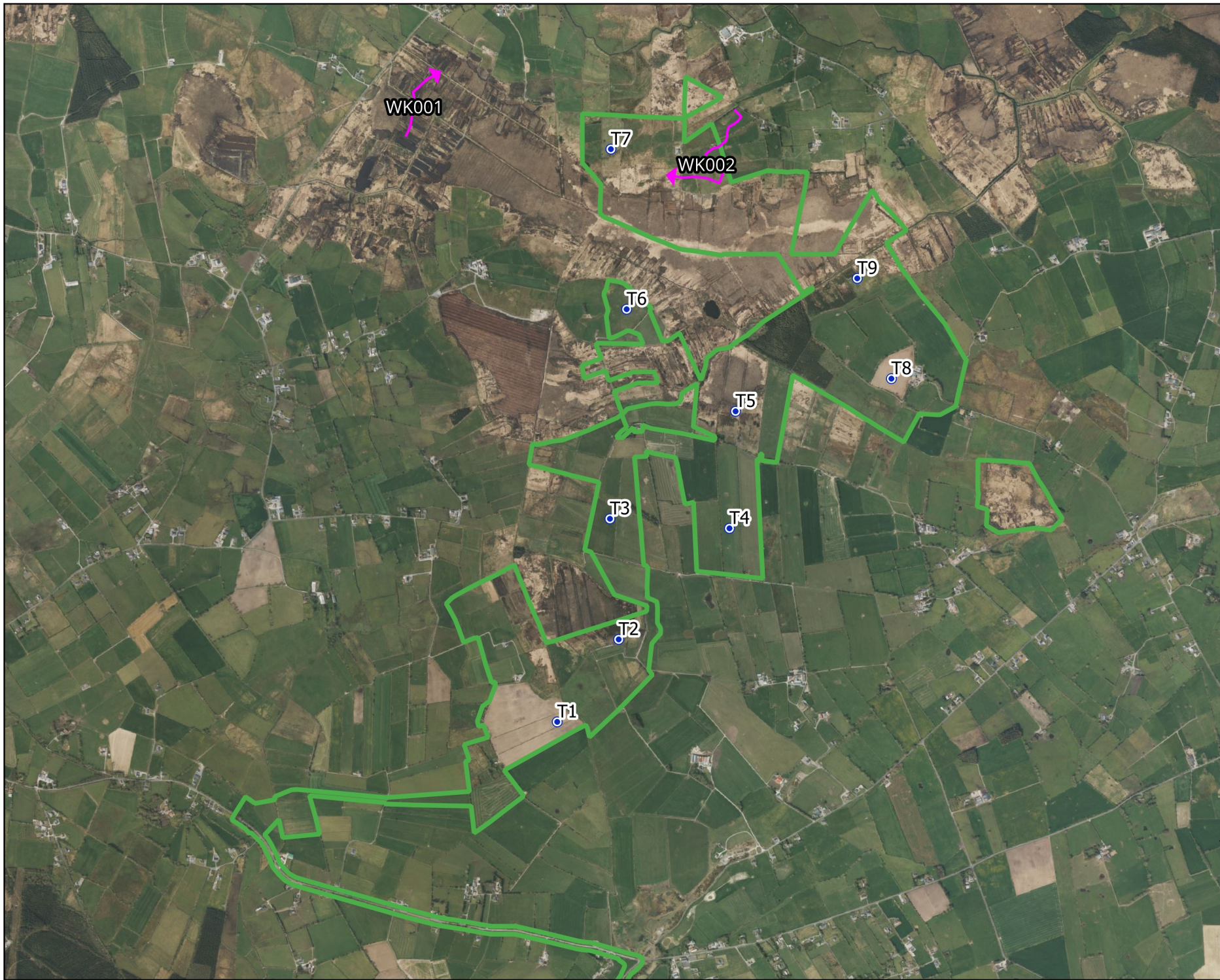
23.

## WOODCOCK

Table 7 - 4 - 57 Woodcock incidental records

| Ref.  | Location                           | Date       | Time  | Species  | Number | Habitat and activity | Surveyor |
|-------|------------------------------------|------------|-------|----------|--------|----------------------|----------|
| WK001 | Hen Harrier Roost Survey;<br>HHVP1 | 09/11/2021 | 17:19 | Woodcock | 2      | cutover bog; flying  | JK       |
| WK002 | Hen Harrier Roost Survey;<br>HHVP2 | 24/11/2021 | 17:15 | Woodcock | 2      | cutover bog; flying  | JK       |





Map Legend

-  EIAR Site Boundary
-  Turbine Locations
-  Species Record



Drawing Title

Woodcock  
Incidental Records

Project Title

Cooloo Wind Farm, Co. Galway

Drawn By

SD

Checked By

PC

Project No.

190723-m

Drawing No.

Fig 7-4-57

Scale

1:25,000

Date

2025.09.18



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