

APPENDIX D – FIGURES

Figure 1 – Site location plan;

Figure 2 – Relevant designated sites;

Figure 3 – VP locations and viewsheds;

Figure 4 – Transect routes;

Figure 5 – Additional survey areas

Figure 6 – Flight observations from VP surveys for target species during the breeding season;

Figure 7 – Flight observations from VP surveys for target species during the non-breeding season; and

Figure 8 – Additional survey results.

552600 552800 553000 553200 553400 553600 553800 554000 554200 554400 554600 554800 555000 555200 555400 555600 555800 556000

627800
627600
627400
627200
627000
626800
626600
626400
626200
626000
625800
625600
625400
625200



- Legend:
- Site boundary
 - Hardstands
 - 110kV onsite substation
 - Temporary construction compound
 - Temporary spoil storage areas
 - Assembly area
 - Grid connection towers
 - Permanent spoil storage area (berm)
 - Grid connection cabling
 - Access tracks
 - Proposed turbine location
 - Met mast

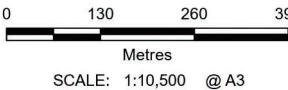


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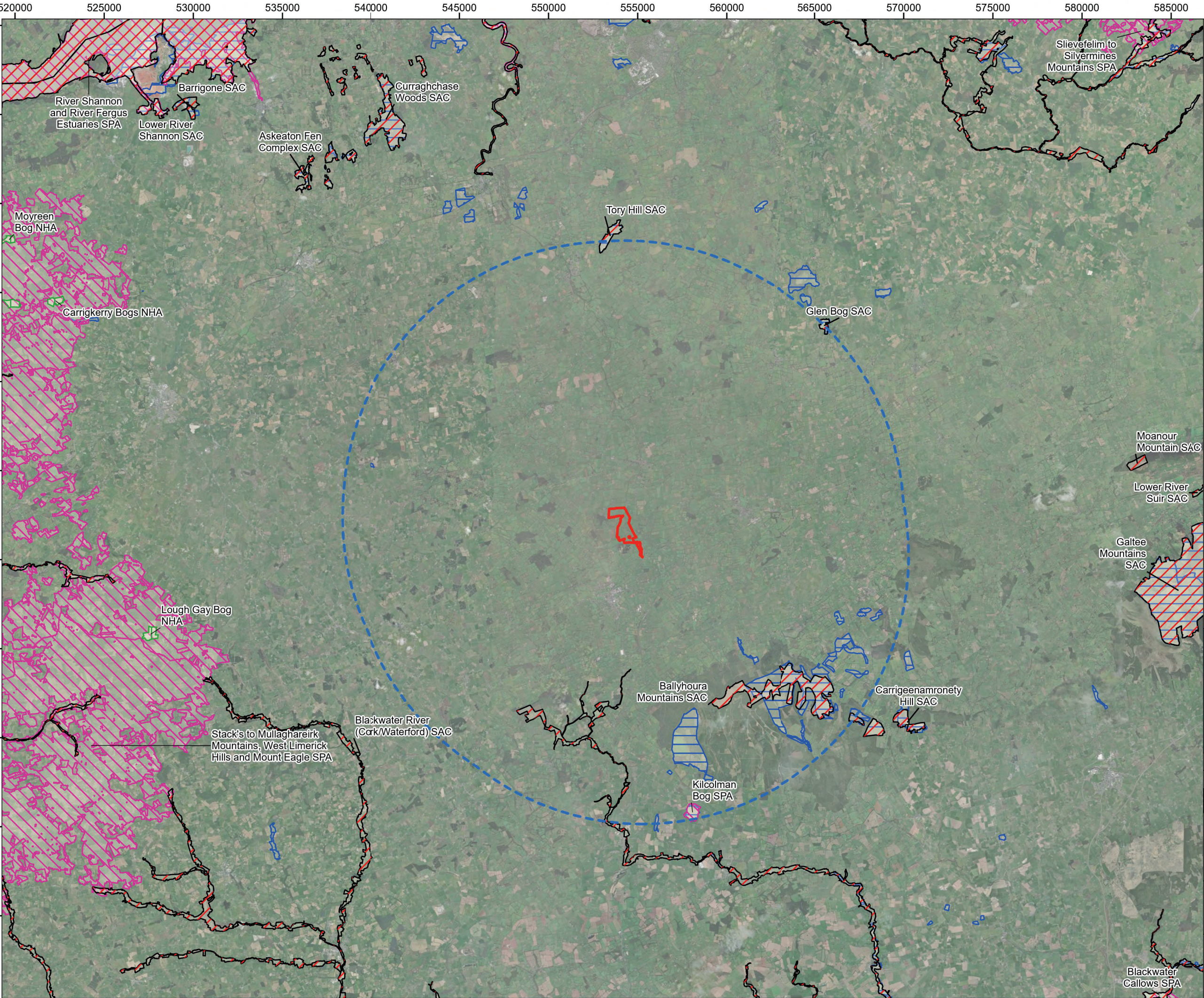
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TITLE: Figure 1:
Site Location Plan



REV 00



- Legend:
- Site boundary
 - Site 20km buffer
 - Special areas of conservation
 - Special protection areas
 - Natural heritage areas
 - Proposed natural heritage areas

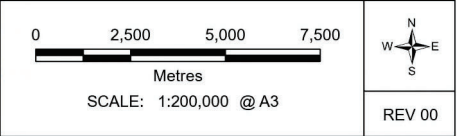


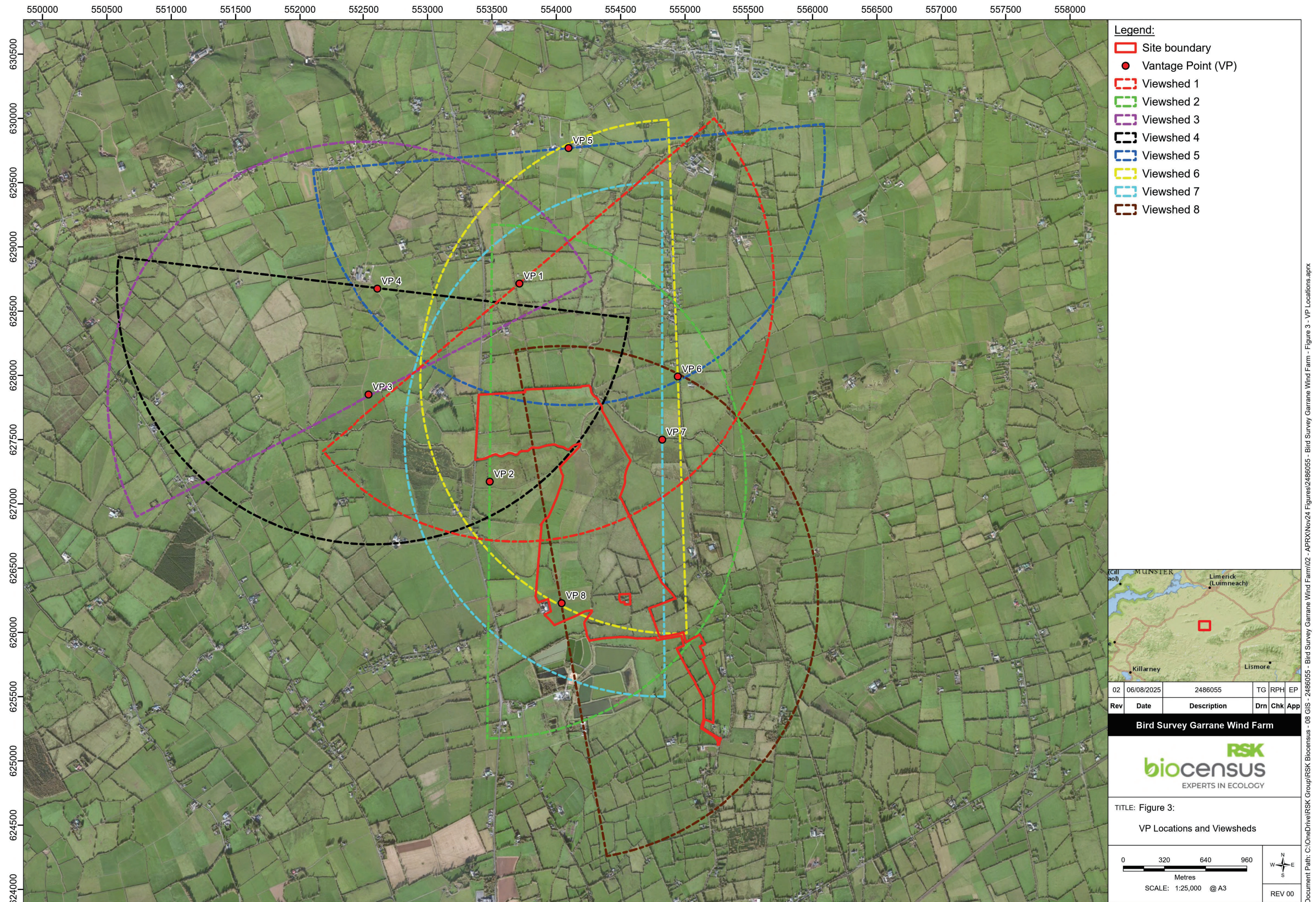
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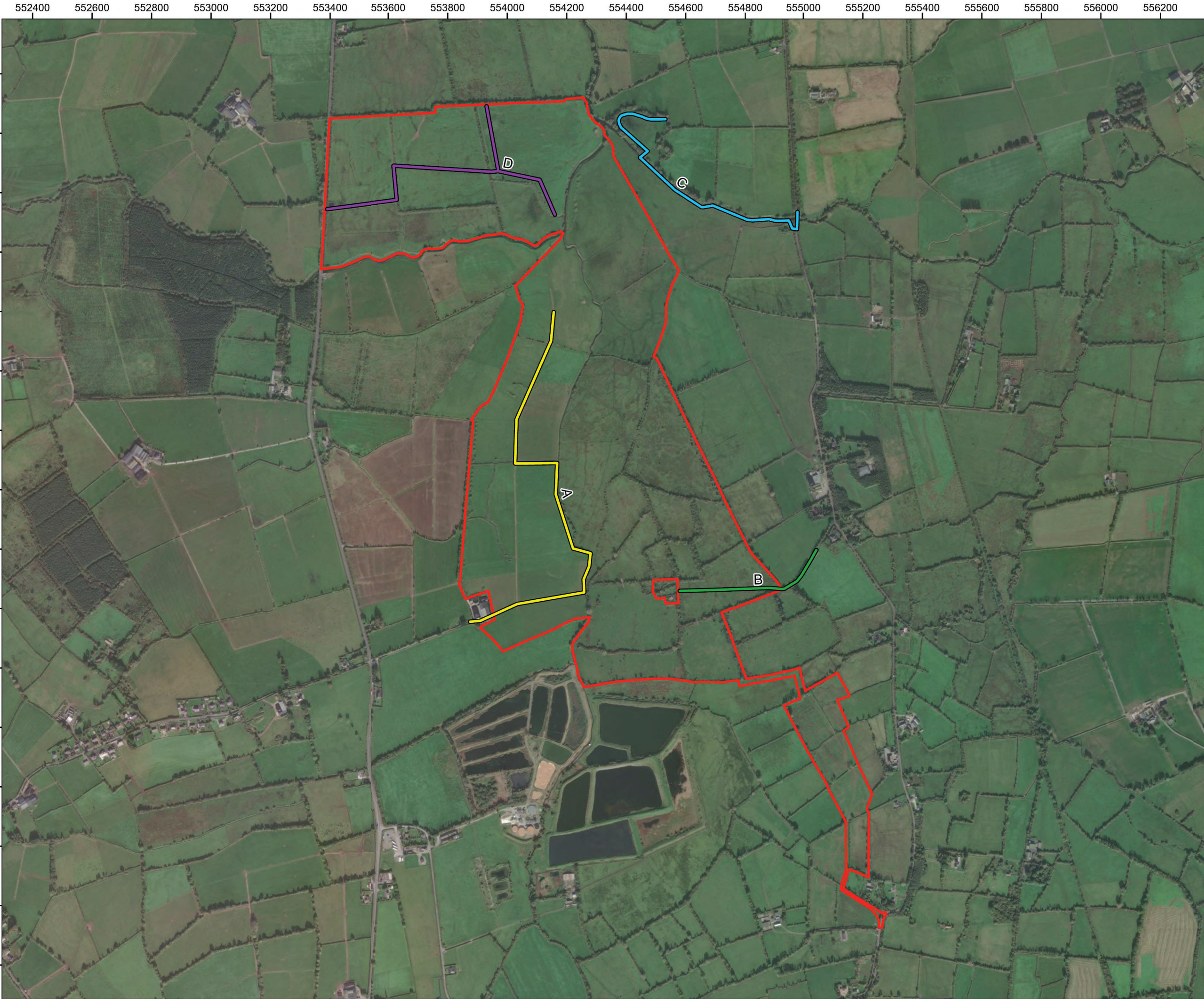
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TITLE: Figure 2:
Designated Sites







Legend:

Site boundary

Transect Route

A

B

C

D

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EXPERTS IN ECOLOGY

TITLE: Figure 4:

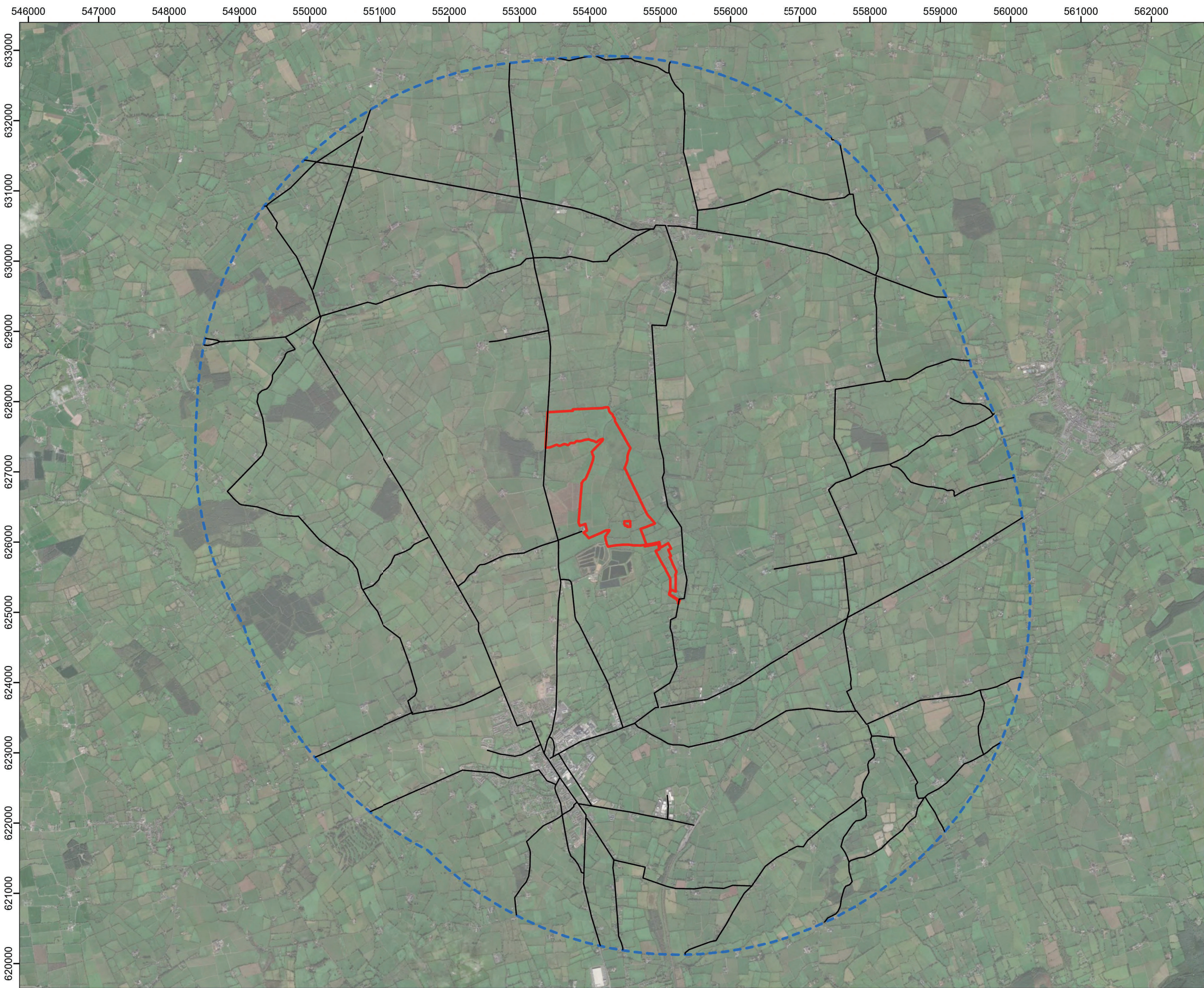
Transect Routes

0 150 300 450

Metres

SCALE: 1:12,000 @ A3

REV 00



Legend:

- Site boundary
- 5km survey area
- Roads

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EXPERTS IN ECOLOGY

TITLE: Figure 5a:

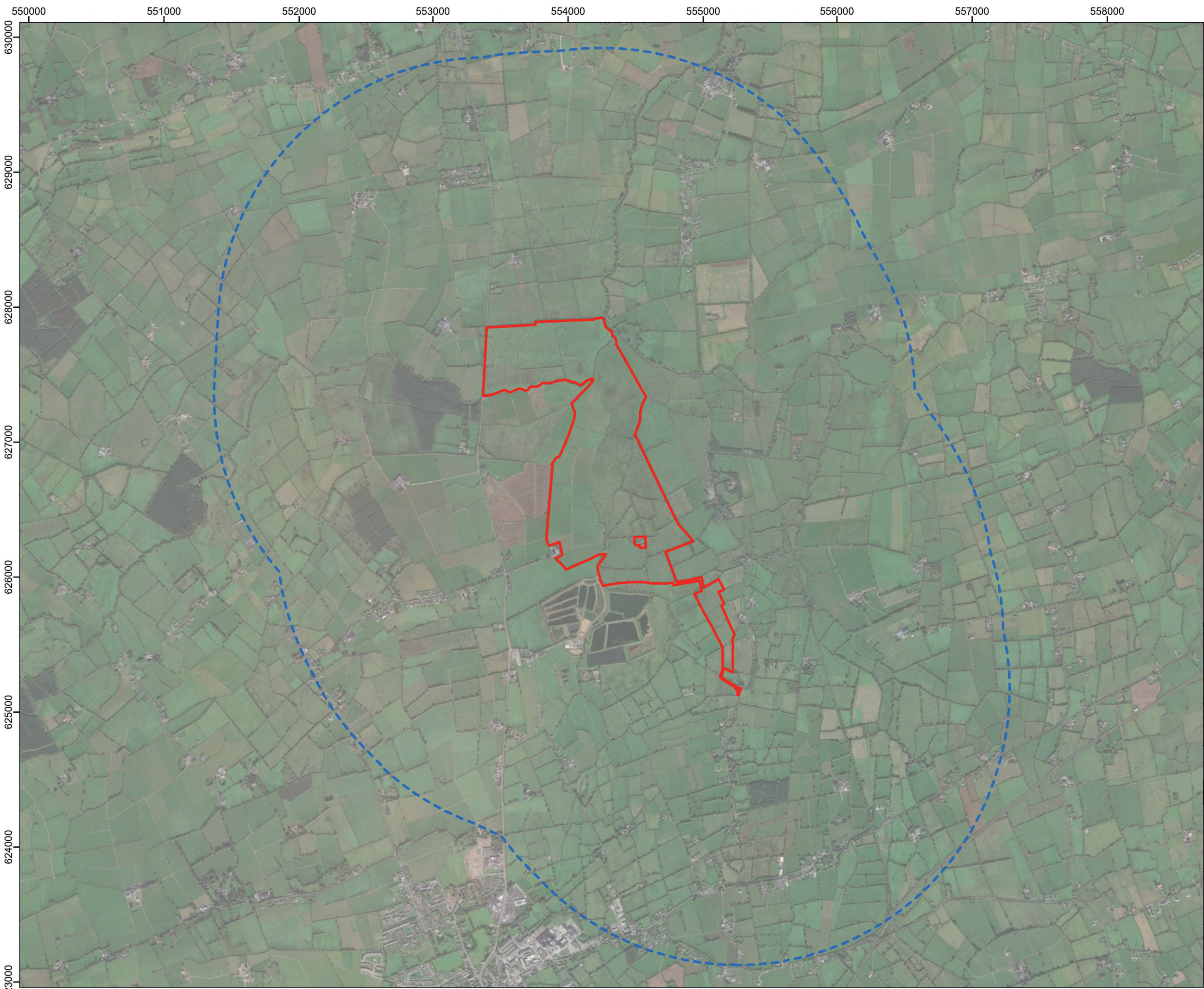
Additional Survey Area
Hinterland

0 625 1,250 1,875

Metres

SCALE: 1:50,000 @ A3

REV 00



Legend:

- Site boundary
- Site 2km buffer

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EXPERTS IN ECOLOGY

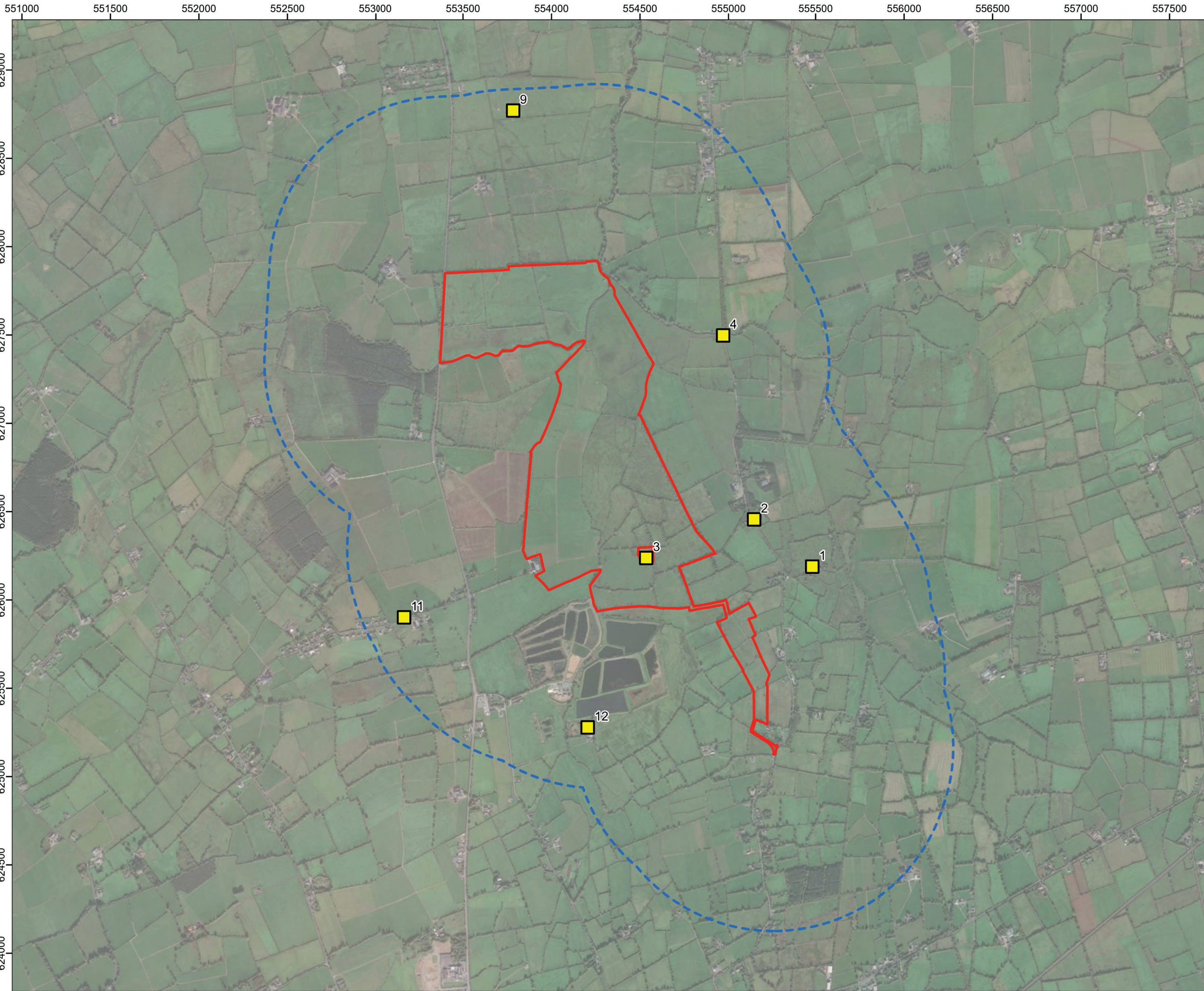
TITLE: Figure 5b:
Additional Survey Area
Raptors

0330660990

Metres

SCALE: 1:26,000 @ A3

REV 00



Legend:

- Site boundary
- 1km site buffer
- Barn owl site location

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EXPERTS IN ECOLOGY

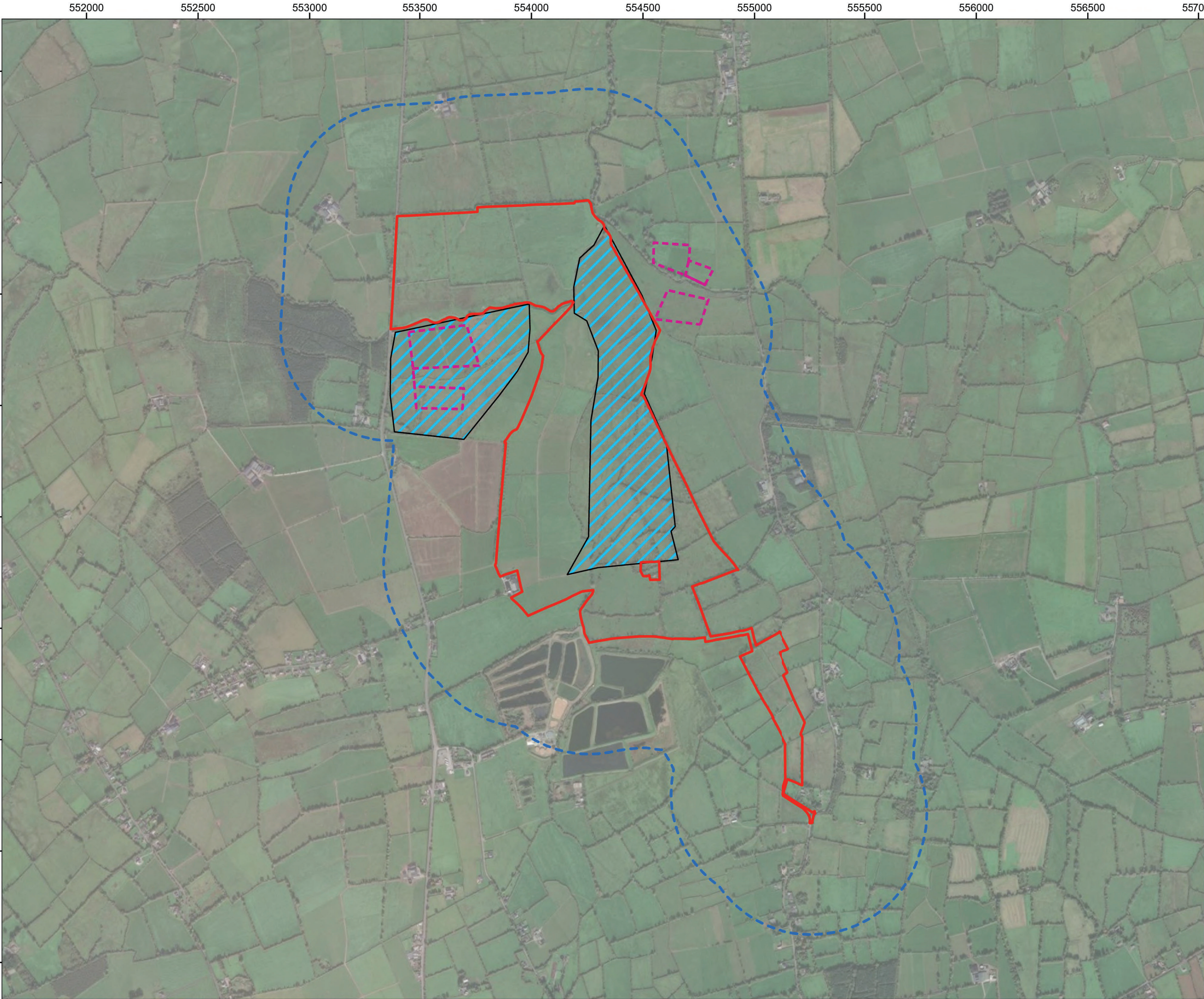
TITLE: Figure 5c:
Additional Survey Area
Barn Owl

0250500750

Metres

SCALE: 1:20,000 @ A3

REV 00



- Legend:
- Site boundary
 - 500m site buffer
 - Wader survey area
 - Wader transect

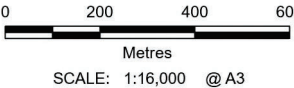


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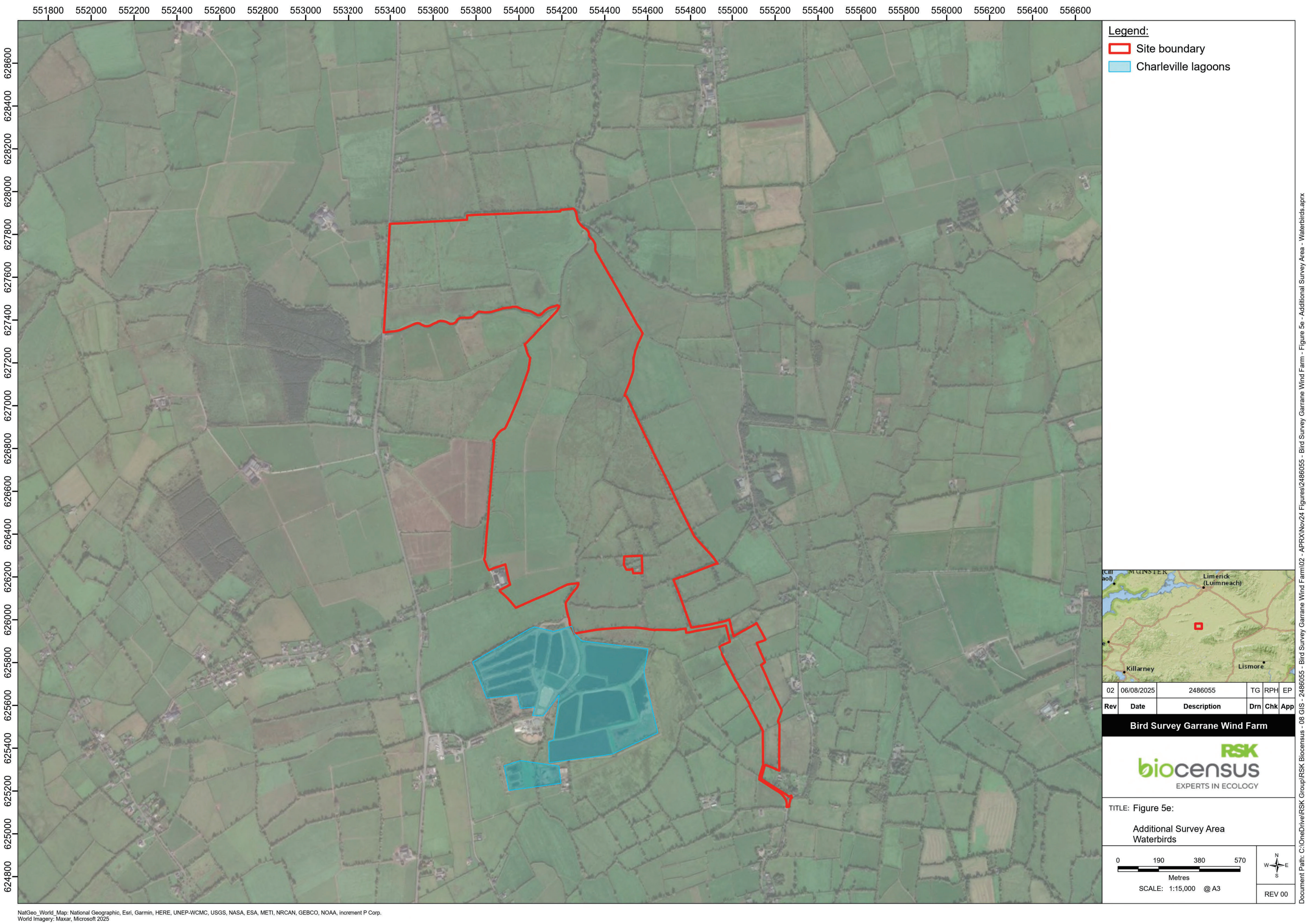
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TITLE: Figure 5d:
Additional Survey Area
Waders



REV 00



Legend:

Site boundary

Charleville lagoons

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EXPERTS IN ECOLOGY

TITLE: Figure 5e:

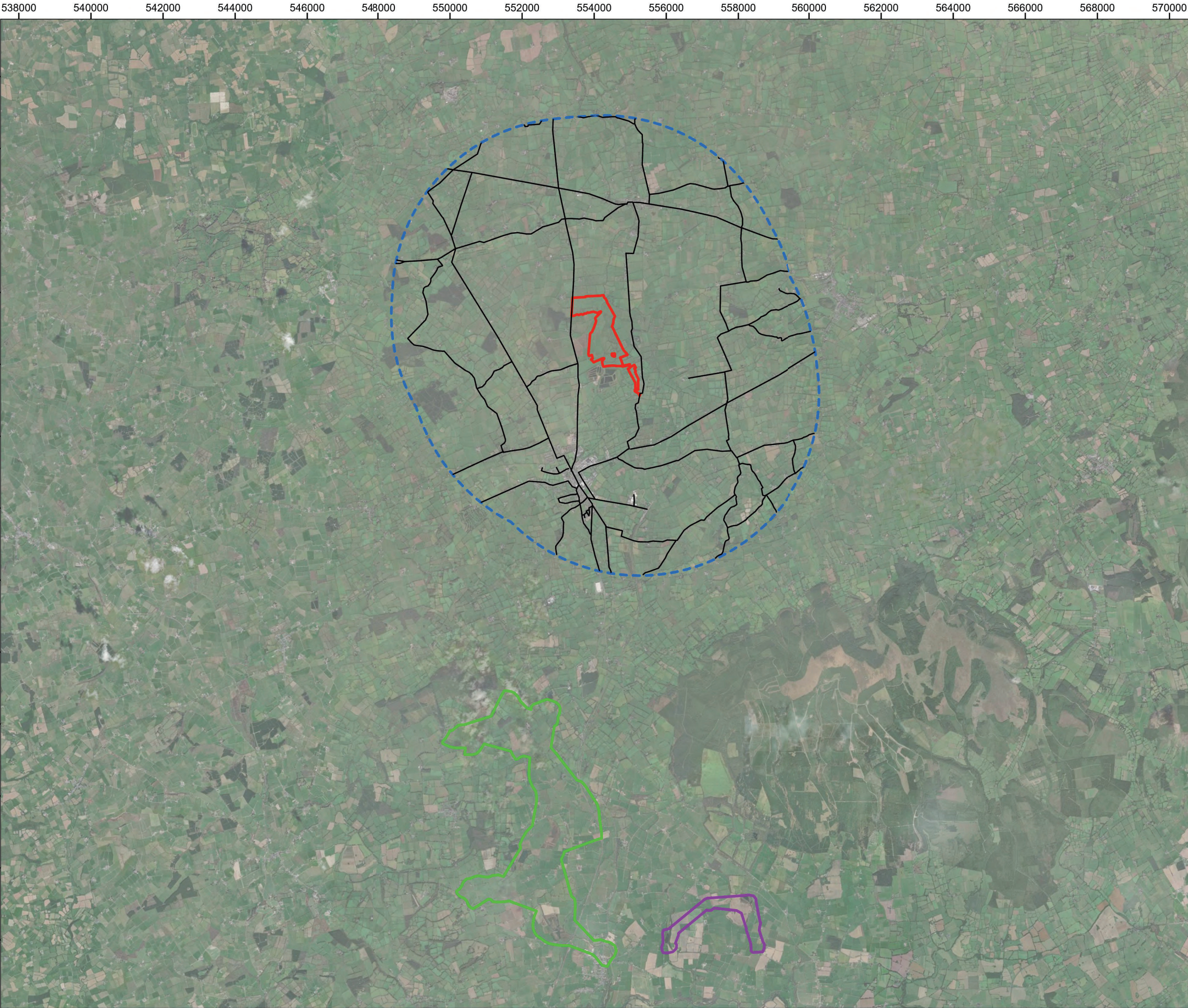
Additional Survey Area
Waterbirds

0190380570

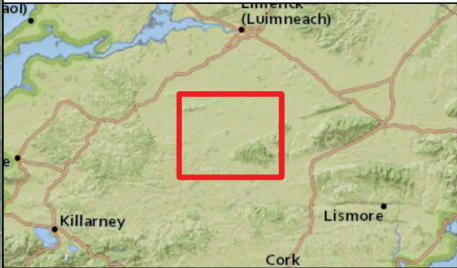
Metres

SCALE: 1:15,000 @ A3

REV 00



- Legend:
- Site boundary
 - 5km site buffer
 - Roads within 5km
 - Whooper Swan Survey Areas
 - Churchtown
 - Kilcolman wildfowl reserve

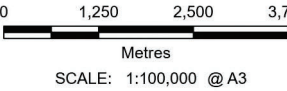


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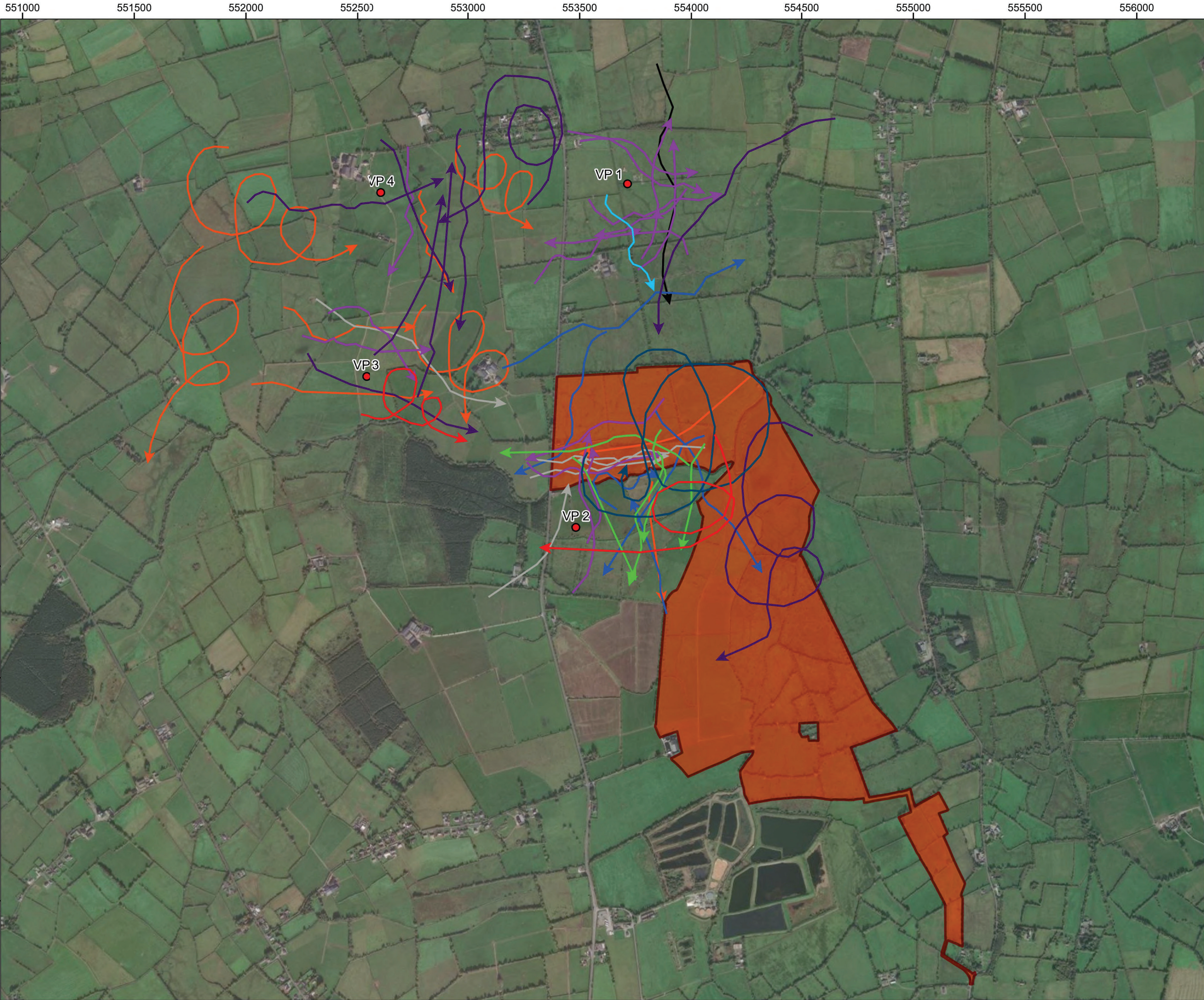
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TITLE: Figure 5f:
Additional Survey Area
Whooper Swan



REV 00



- Legend:
- Site boundary
 - Vantage Point Location (VP)
 - MWP Summer 2021 Breeding Bird Species Flightlines
 - Black-headed gull
 - Buzzard
 - Cormorant
 - Grey heron
 - Kestrel
 - Lesser black-backed gull
 - Little egret
 - Mallard
 - Snipe
 - Sparrowhawk

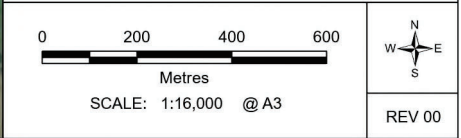


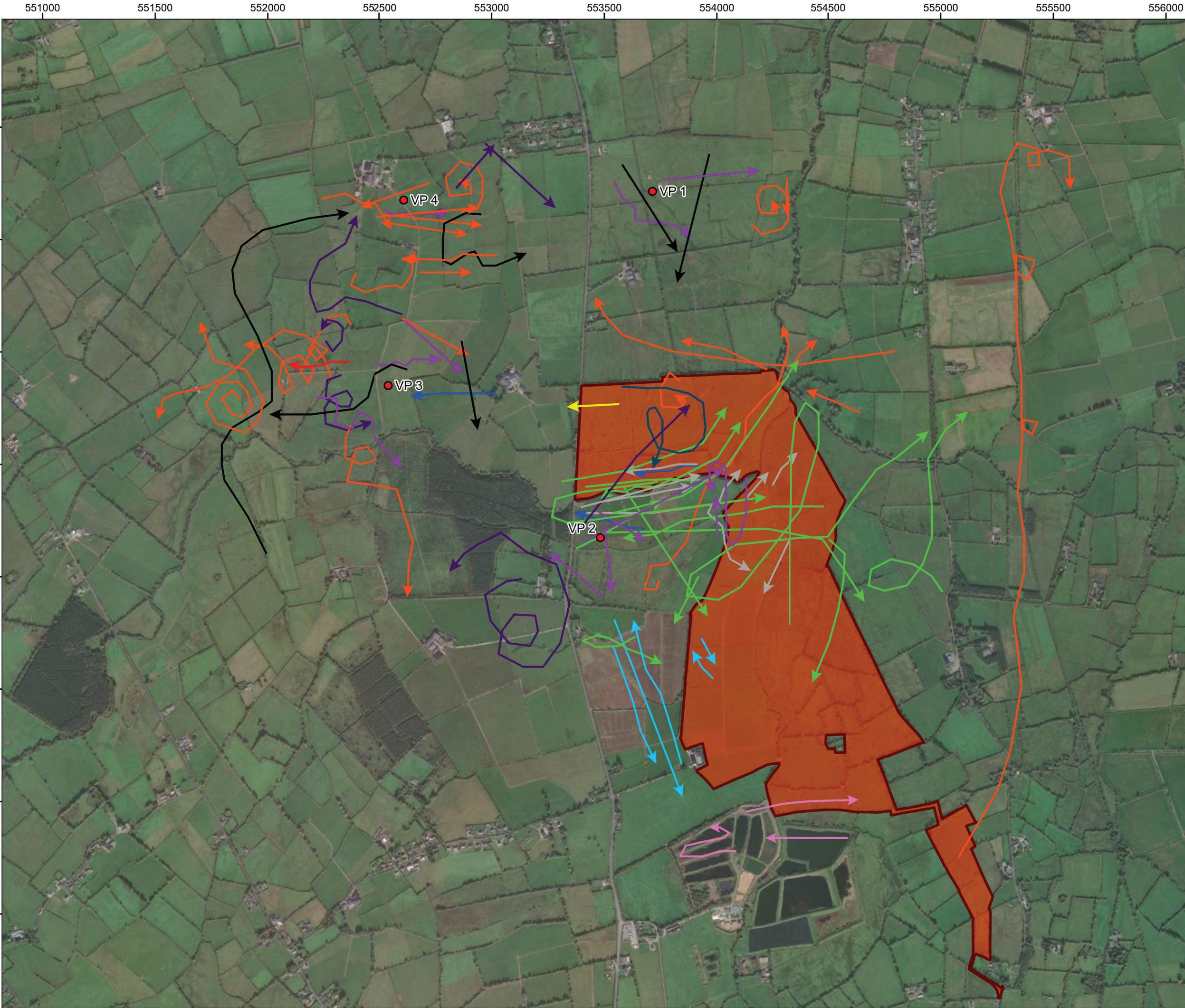
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TITLE: Figure 6a:
Flight Observations from VP Surveys
for Target Species during the
2021 Breeding Bird Season





- Legend:
- Site boundary
 - Vantage Point Location (VP)
- MWP Summer 2022 Breeding Bird Species Flightlines
- Black Headed Gull
 - Buzzard
 - Common gull
 - Cormorant
 - Golden plover
 - Grey heron
 - Kestrel
 - Lesser black-backed gull
 - Little egret
 - Mallard
 - Snipe
 - Sparrowhawk

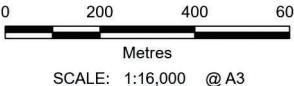


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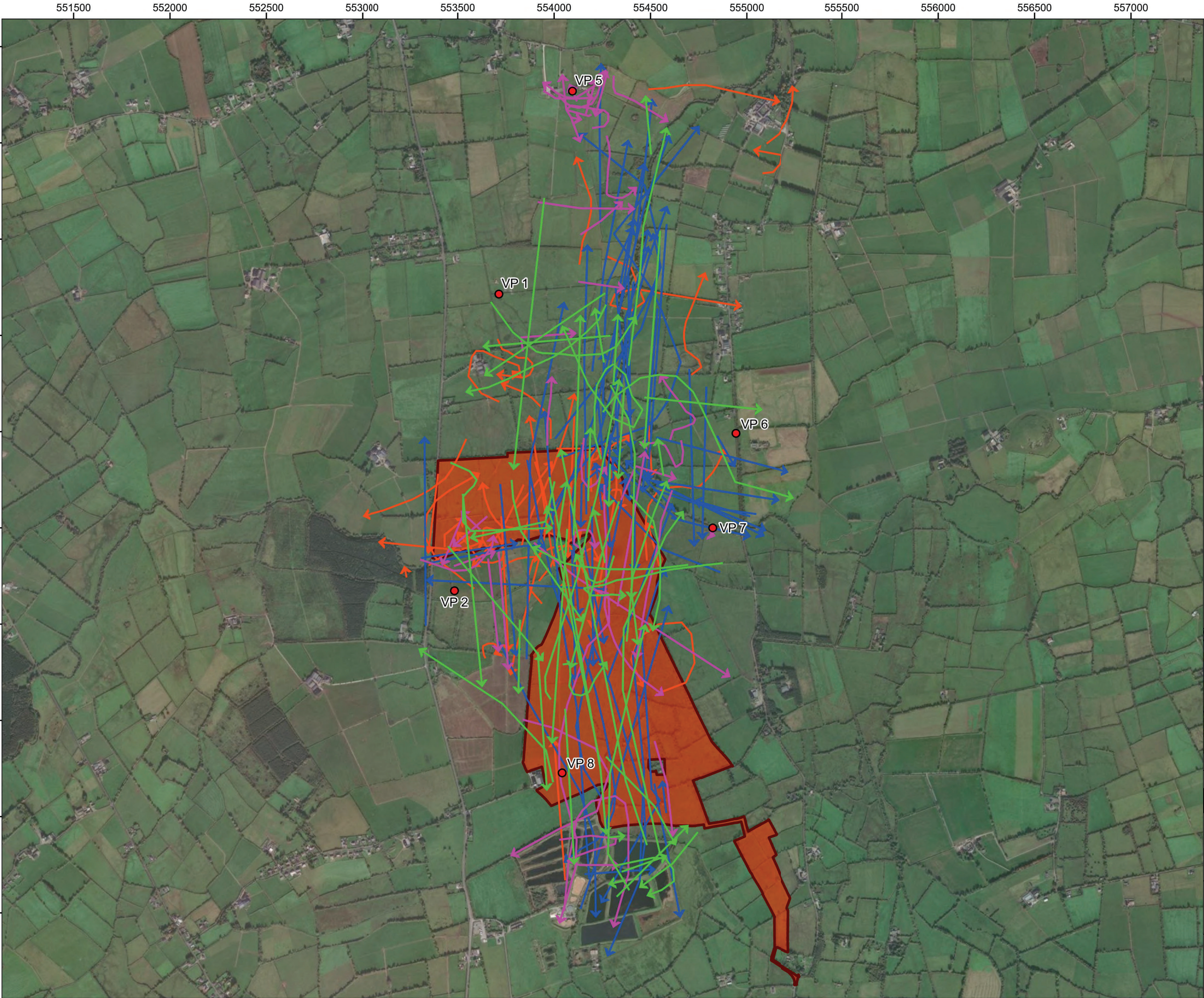
Bird Survey Garrane Wind Farm



TITLE: Figure 6b:
Flight Observations from VP Surveys
for Target Species during the
2022 Breeding Bird Season



REV 00



- Legend:
- Site boundary
 - Vantage Point Location (VP)
- JM Summer 2023 Breeding Bird Species Flightlines
- Buzzard
 - Cormorant
 - Kestrel
 - Mallard

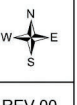
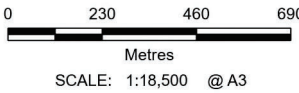


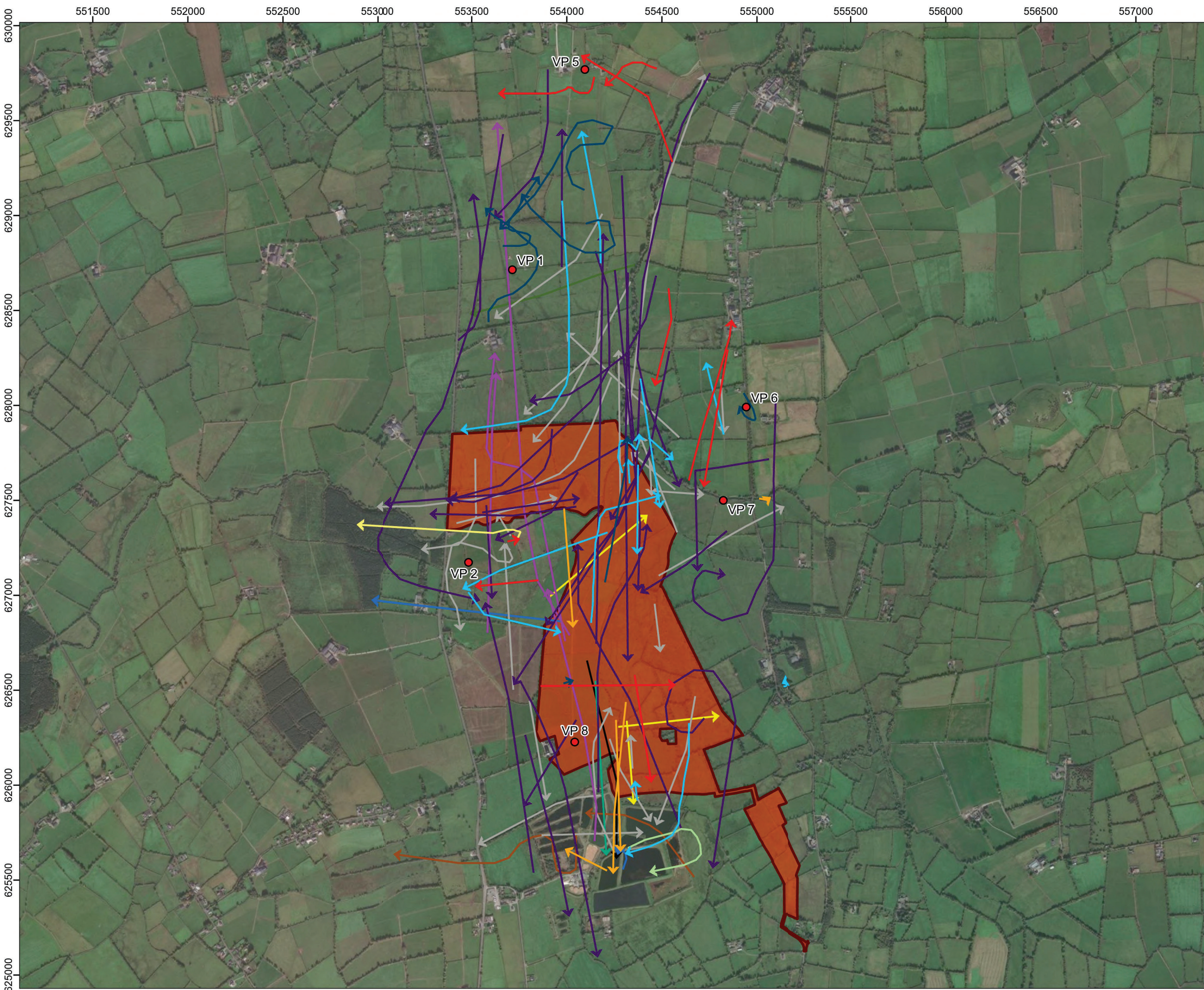
02	06/08/2025	2486055	TG	RPH	EP
Rev	Date	Description	Drn	Chk	App

Bird Survey Garrane Wind Farm



TITLE: Figure 6c (Page 1 of 2):
Flight Observations from VP Surveys
for Target Species during the
2023 Breeding Bird Season





- Legend:**
- Site boundary
 - Vantage Point Location (VP)
 - JM Summer 2023 Breeding Bird Species Flightlines**
 - Black-headed gull
 - Black-tailed godwit
 - Curlew
 - Gadwall
 - Golden plover
 - Great black-backed gull
 - Grey heron
 - Greylag goose
 - Lapwing
 - Lesser black-backed gull
 - Little egret
 - Mute swan
 - Snipe
 - Sparrowhawk
 - Yellow-legged gull



02	06/08/2025	2486055	TG	RPH	EP
Rev	Date	Description	Drn	Chk	App

Bird Survey Garrane Wind Farm



TITLE: Figure 6c (Page 2 of 2):
Flight Observations from VP Surveys
for Target Species during the
2023 Breeding Bird Season

