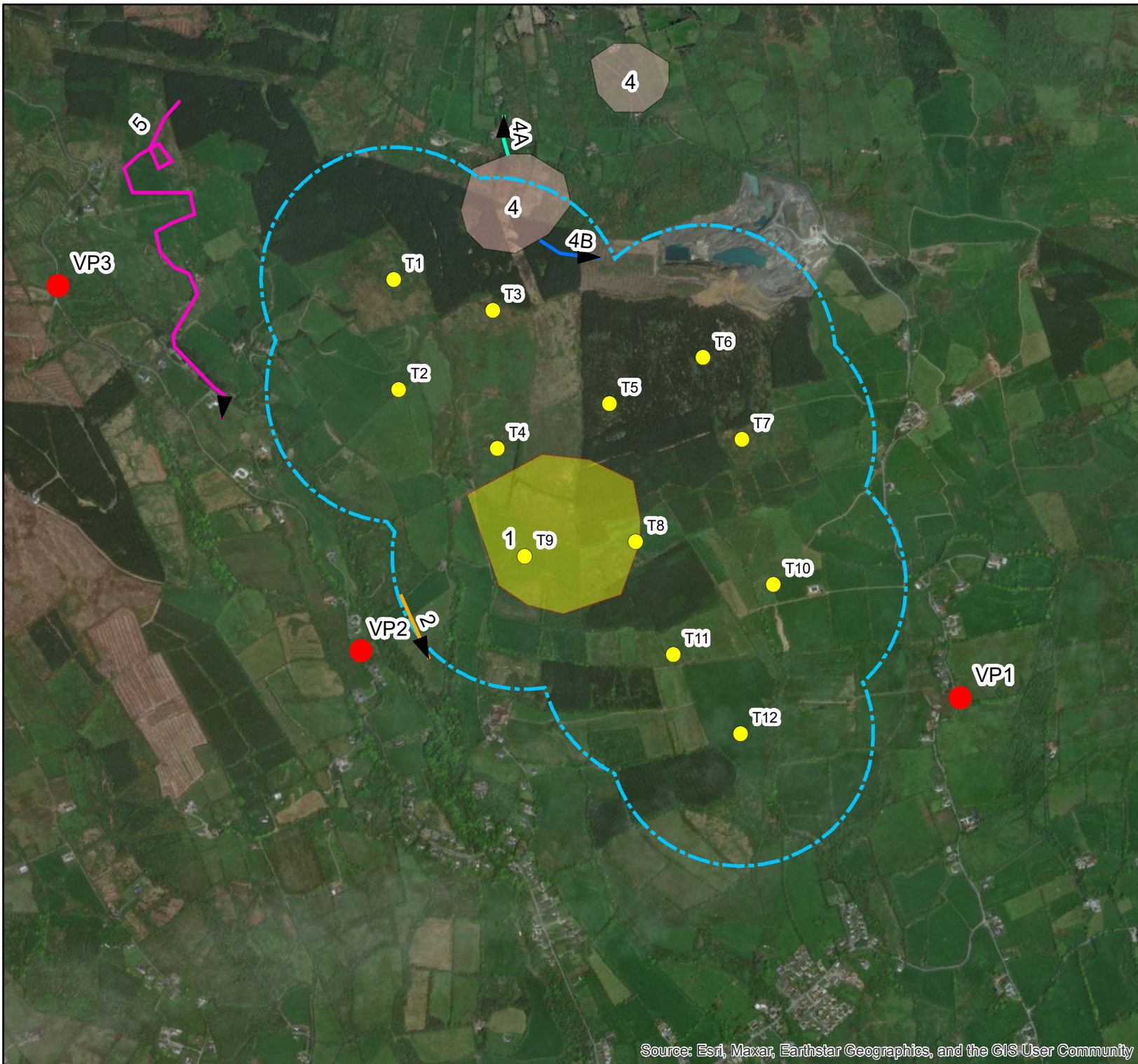


Appendix 7H

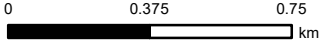
Flightpath Maps for Target Species Recorded during Vantage Point Surveys, October 2019 to September 2022, inclusive, MWP



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer
- Buzzard Flight Path**
- ▶ 2, 04/12/2019
- ▶ 4A, 11/03/2020
- ▶ 4B, 11/03/2020
- ▶ 5, 10/03/2020
- Buzzard Activity**
- 1, 06/11/2019
- 4, 11/03/2020

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2019 - 2020
Map 1-1 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



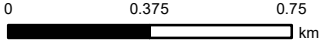
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer
- Cormorant Flight Path**
- ▶ 1, 10/03/2020

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

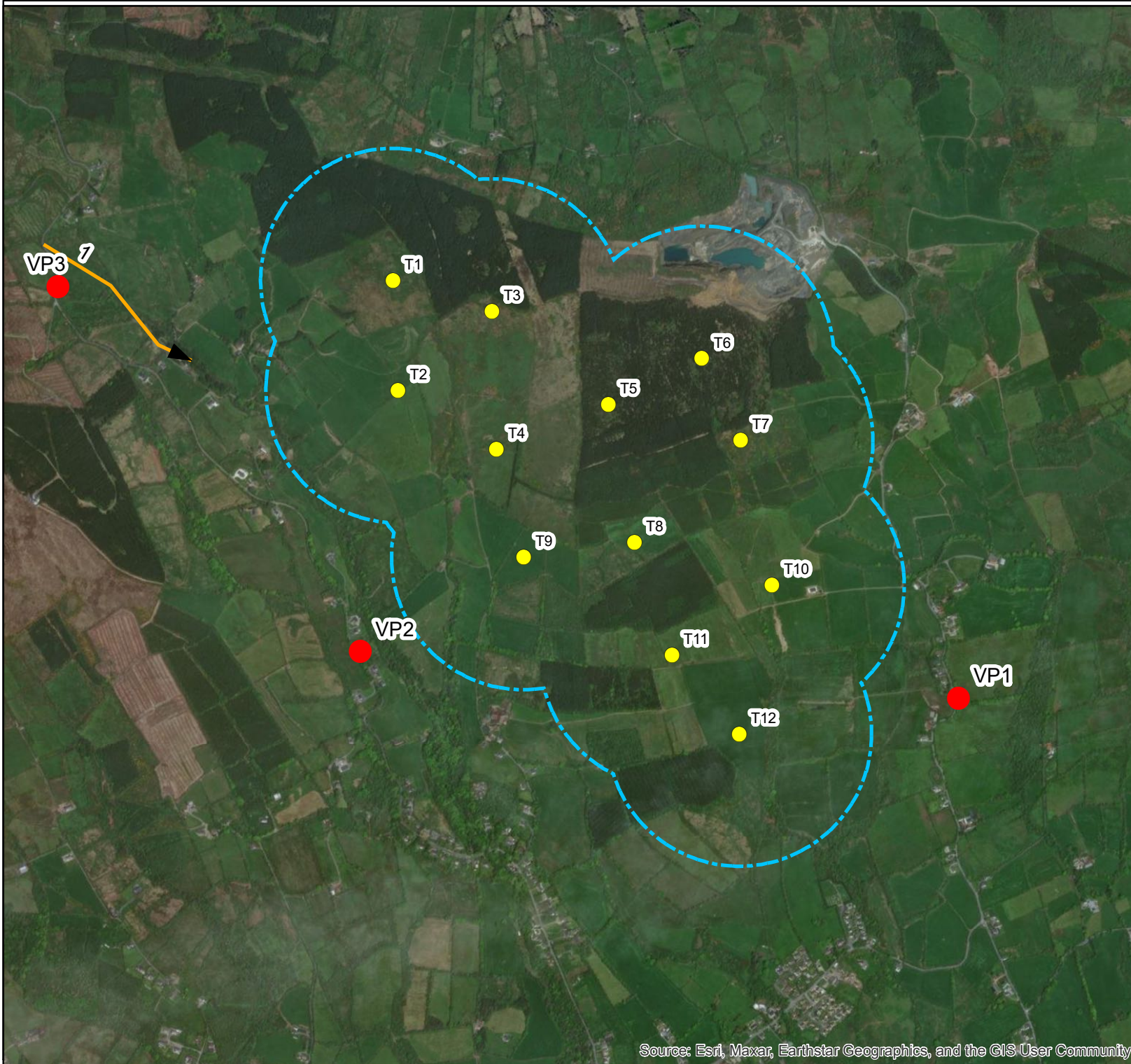
Drawing Title:
Winter Bird Survey 2019 - 2020
Map 2-1 Cormorant

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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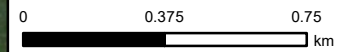
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer
- Hen Harrier Flight Path**
- ▶ 1, 10/03/2020

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Project Title:
Ballycar WF Bird Surveys

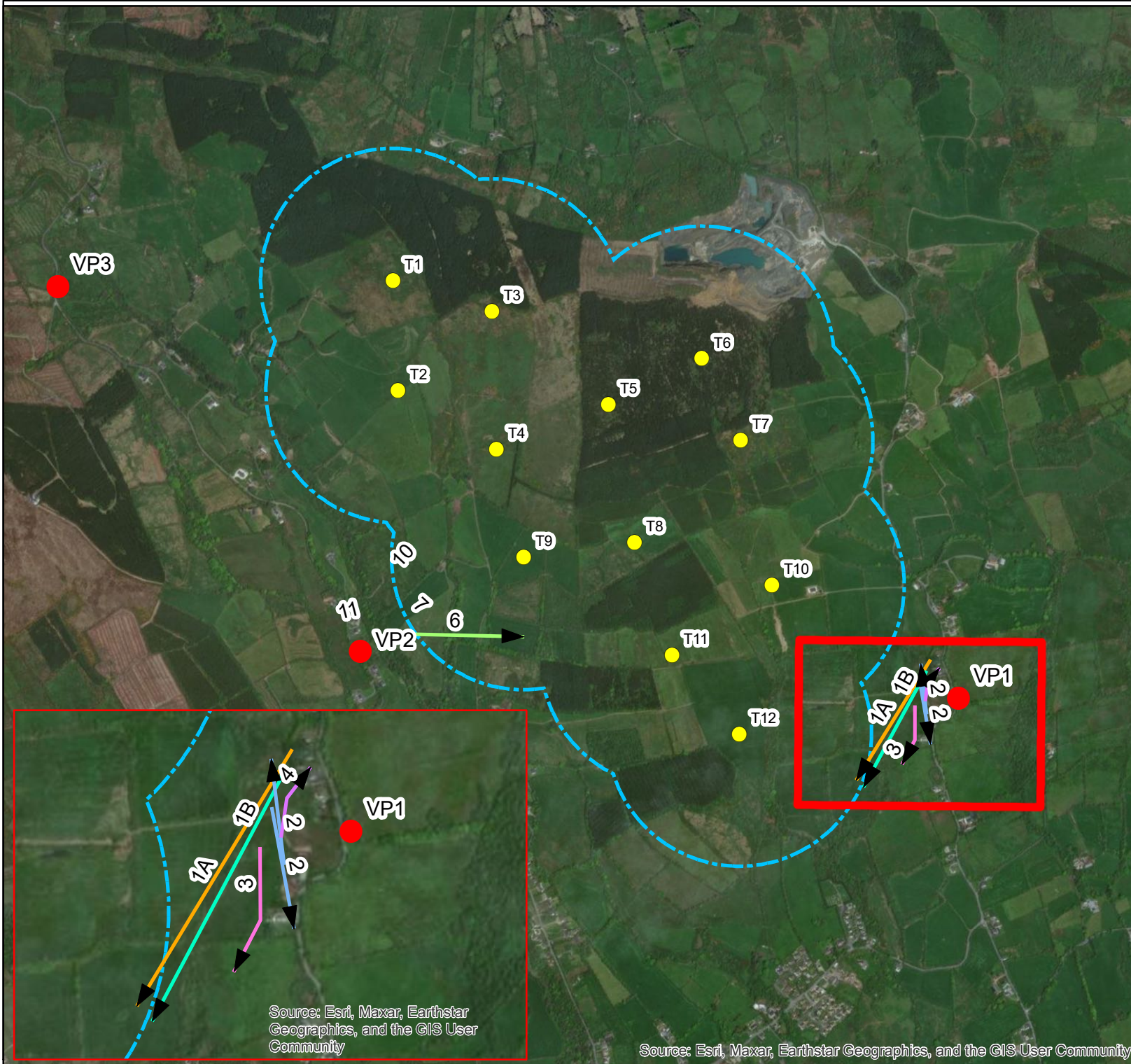
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2019 - 2020
Map 3-1 Hen Harrier

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





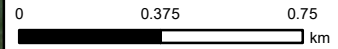
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 1A, 06/11/2019
- ▶ 1B, 06/11/2019
- ▶ 2, 07/11/2019
- ▶ 3, 07/11/2019
- ▶ 4, 19/11/2019
- ▶ 6, 18/11/2019

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2019 - 2020
Map 4-1 Kestrel

Drawn: VH

Checked: SK

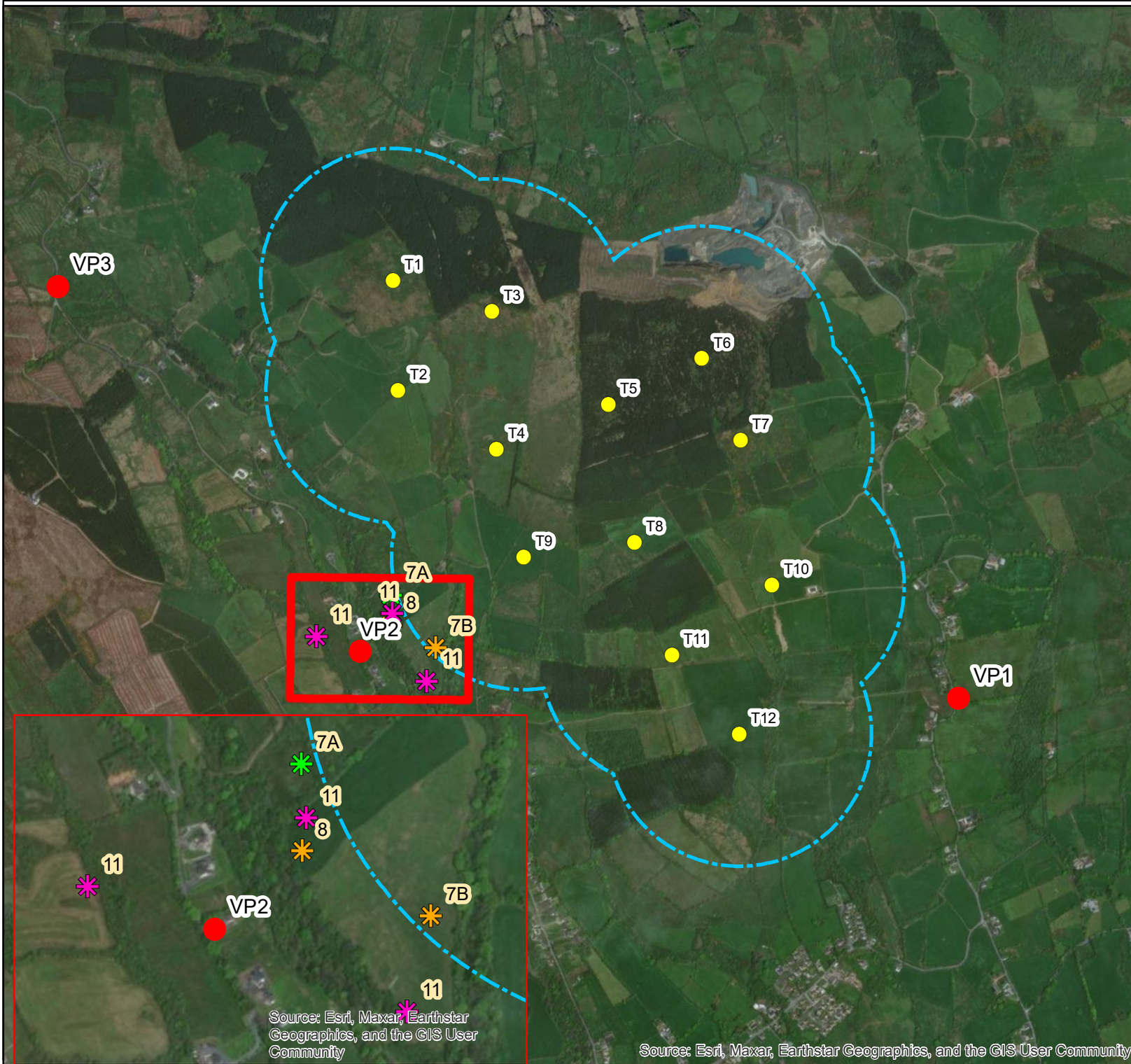
Date: 12/09/2023

Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar
Geographics, and the GIS User
Community

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



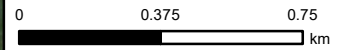
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Perched

- ✱ 7A, 19/11/2019
- ✱ 7B, 19/11/2019
- ✱ 8, 19/11/2019
- ✱ 11, 04/12/2019

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2019 - 2020
Map 4-2 Kestrel

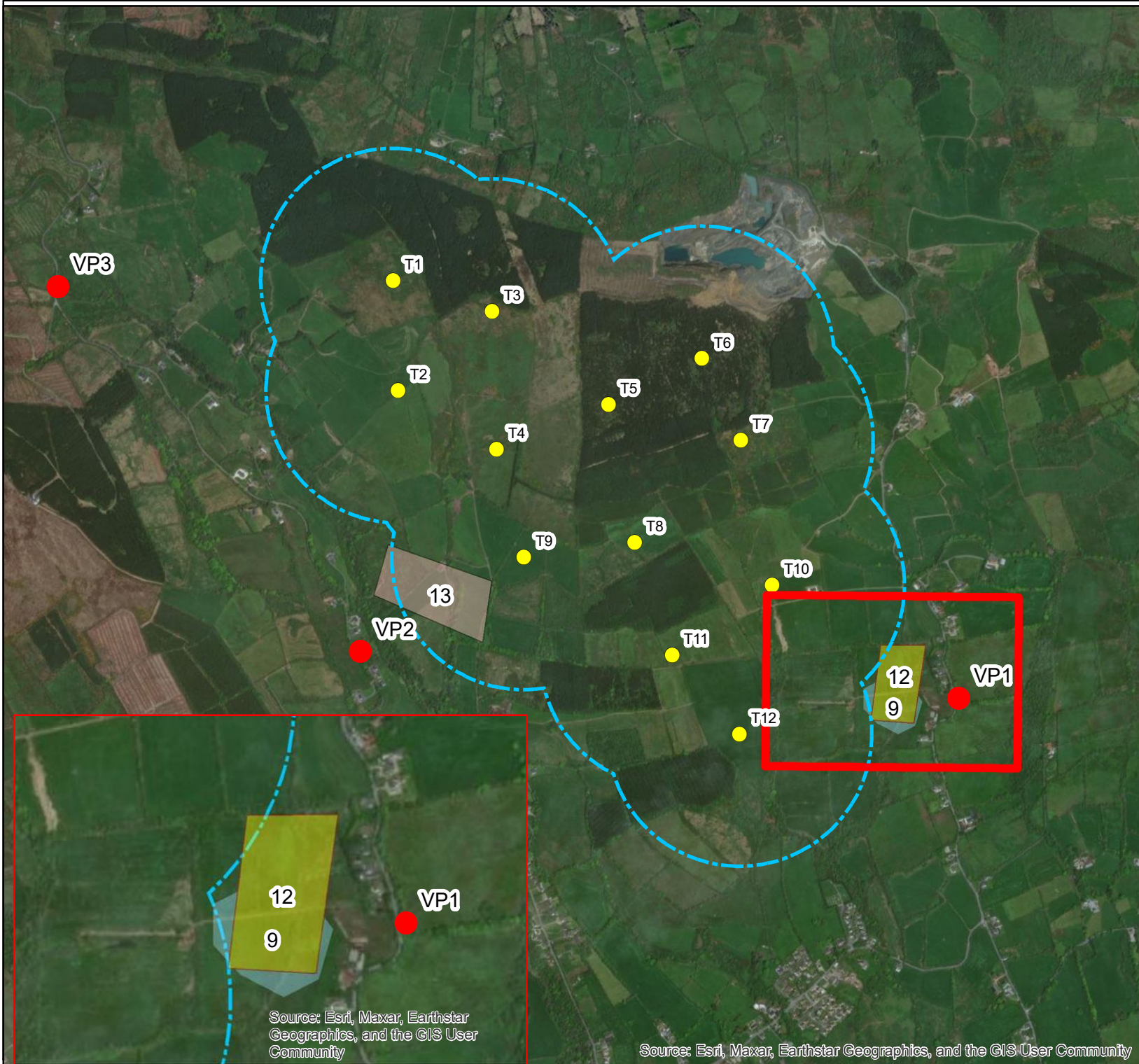
Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



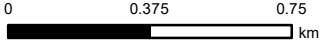
Source: Esri, Maxar, Earthstar
Geographics, and the GIS User
Community

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



- Legend**
- Turbine Locations
 - Vantage Point Location
 - 500m Turbine Buffer
- Kestrel Activity**
- 9, 05/12/2019
 - 12, 24/02/2020
 - 13, 11/03/2020

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Project Title:
 Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
 Winter Bird Survey 2019 - 2020
 Map 4-3 Kestrel

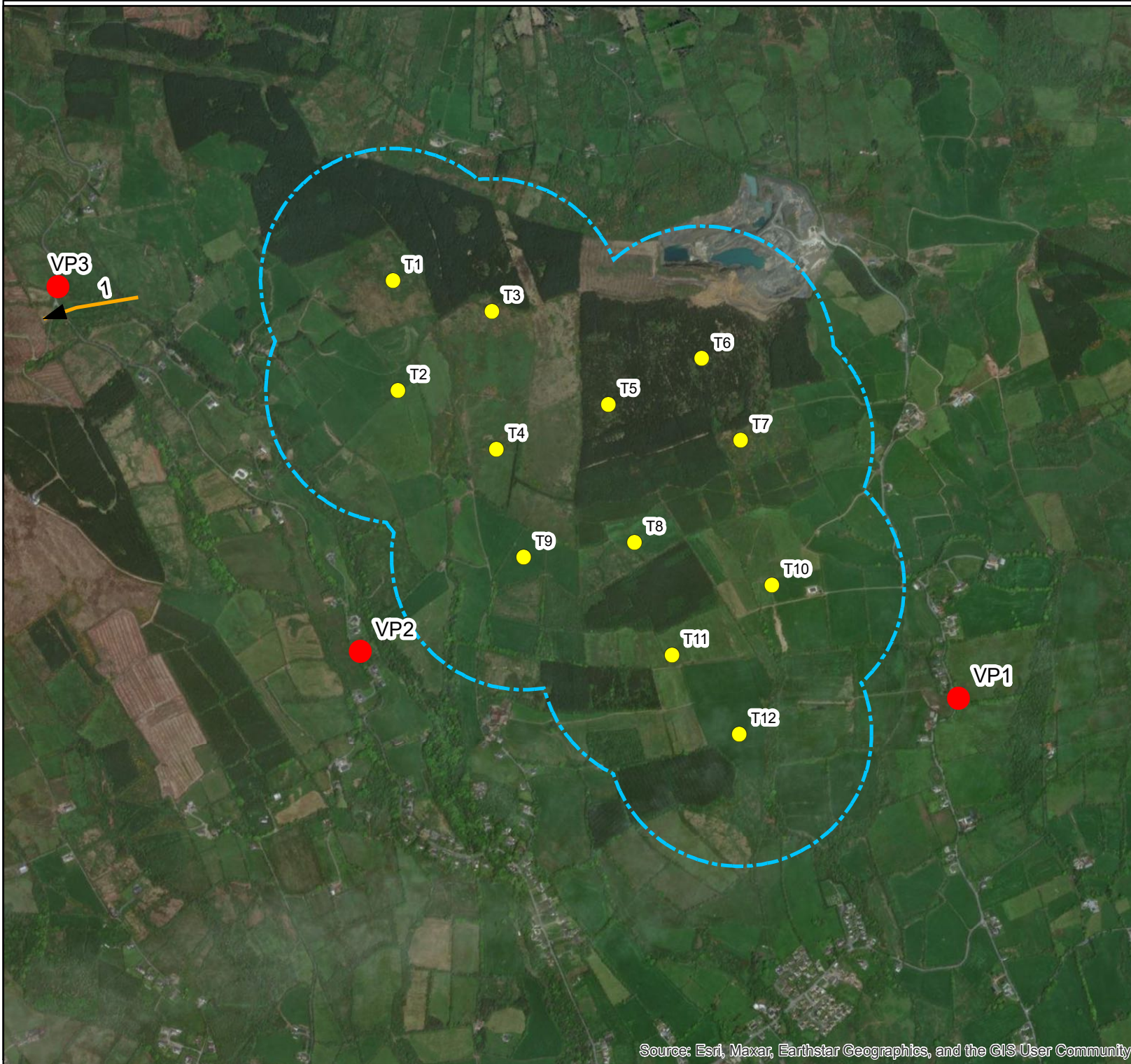
Drawn: VH **Checked:** SK

Date: 12/09/2023 **Scale (A4):** 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

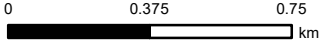
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer
- Woodcock Flight Path**
- ▶ 1, 18/11/2019

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Project Title:
 Ballycar WF Bird Surveys

Client: Ballycar Green Energy

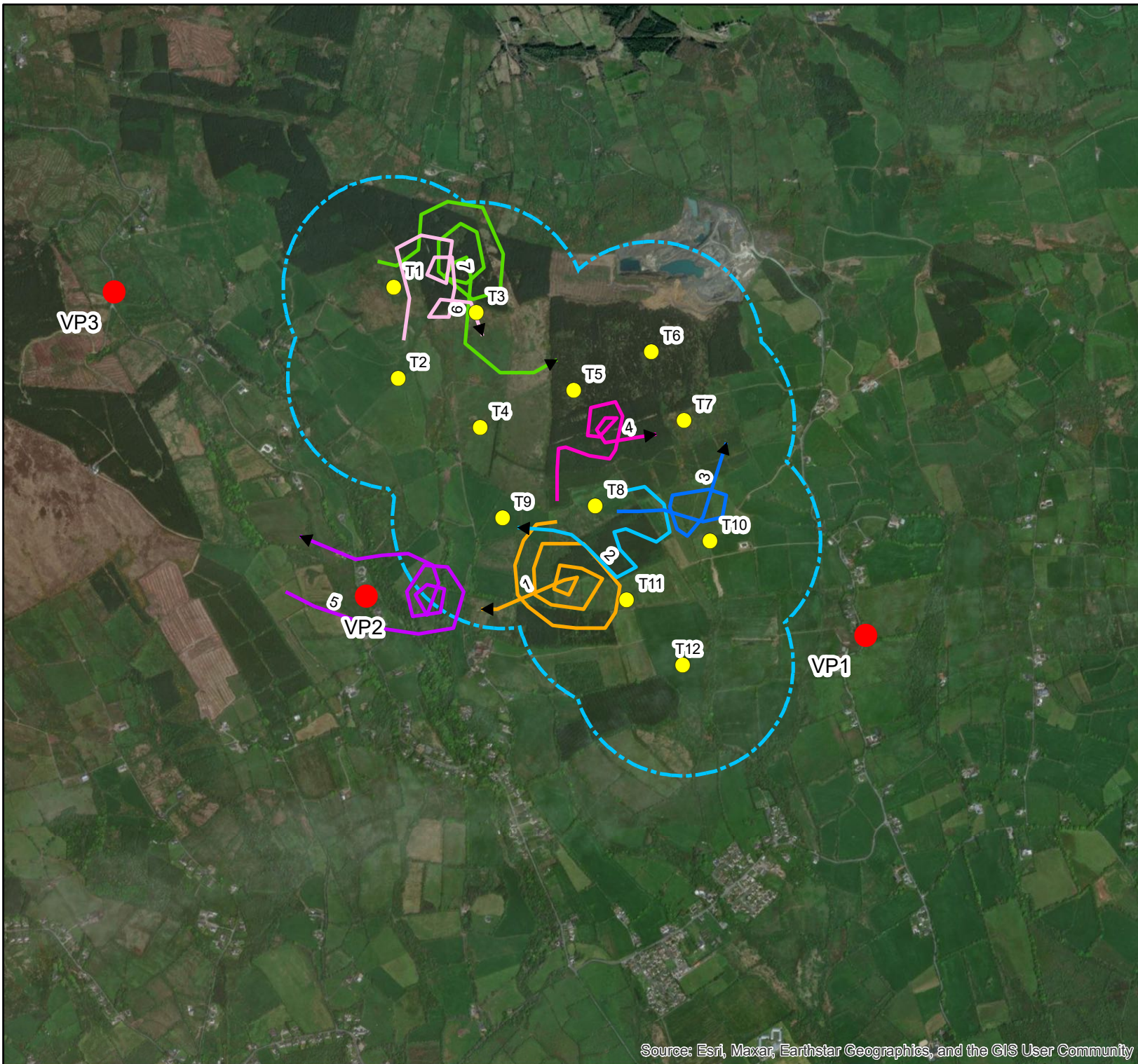
Drawing Title:
 Winter Bird Survey 2019 - 2020
 Map 5-1 Woodcock

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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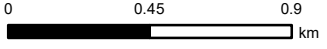
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
 - Vantage Point Location
 - ▶ 1, 06/04/2020
 - ▶ 2, 14/04/2020
 - ▶ 3, 14/04/2020
 - ▶ 4, 06/04/2020
 - ▶ 5, 08/04/2020
 - ▶ 6, 14/04/2020
 - ▶ 7, 14/04/2020
- 500m Turbine Buffer

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Project Title:
 Ballycar WF Bird Surveys

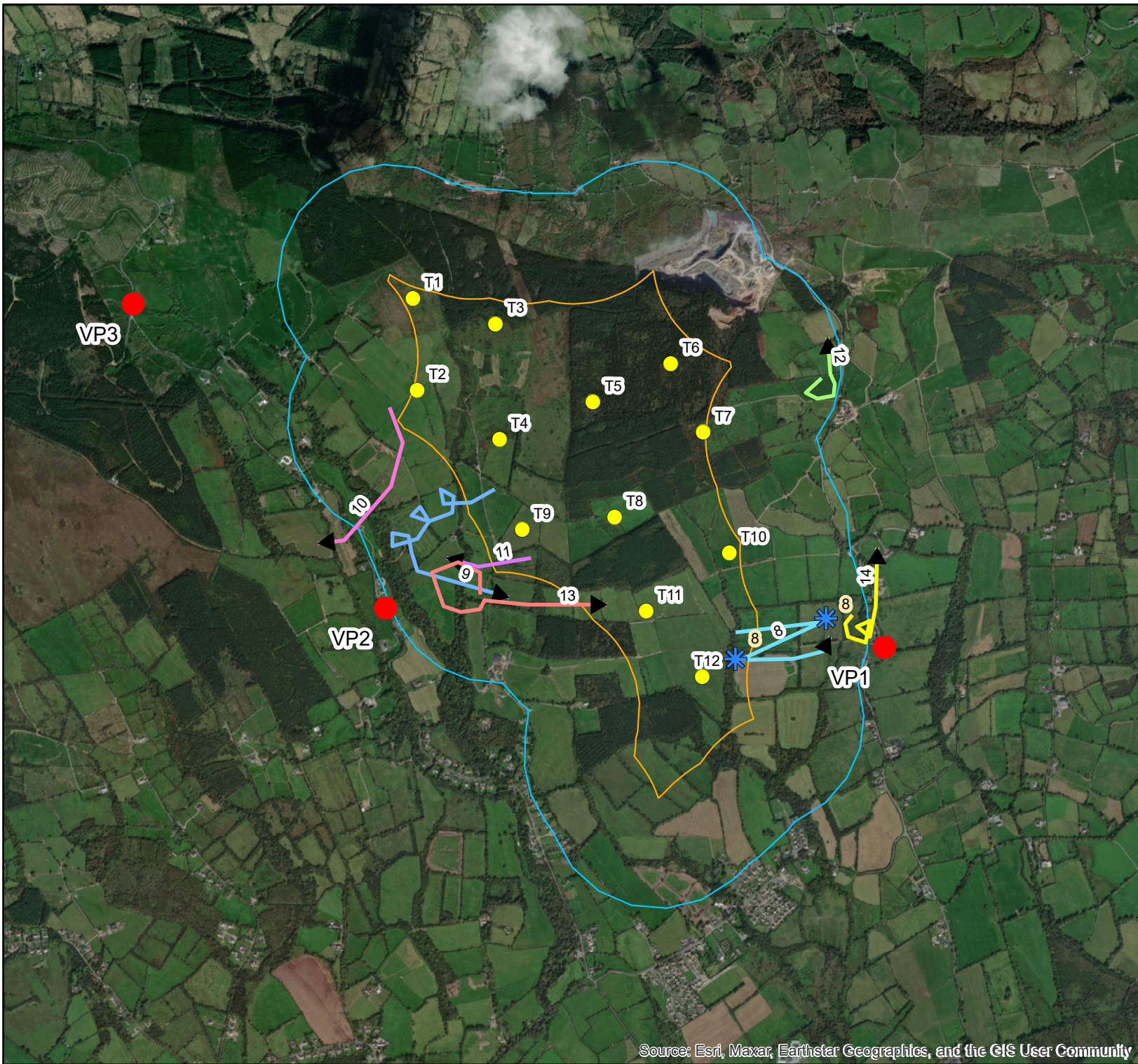
Client: Ballycar Green Energy

Drawing Title:
 Summer Bird Survey 2020
 Map 1-1 Buzzard

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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Legend

- Turbine Locations
- Vantage Point Location
- Development
- 500m Study Area

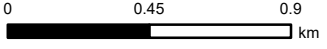
Buzzard Perched

✱ 8, 15/05/2020

Buzzard Flight Path

- ▶ 8, 15/05/2020
- ▶ 9, 11/05/2020
- ▶ 10, 11/05/2020
- ▶ 11, 16/06/2020
- ▶ 12, 15/07/2020
- ▶ 13, 18/08/2020
- ▶ 14, 23/09/2020

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Project Title:
Ballycar WF Bird Surveys

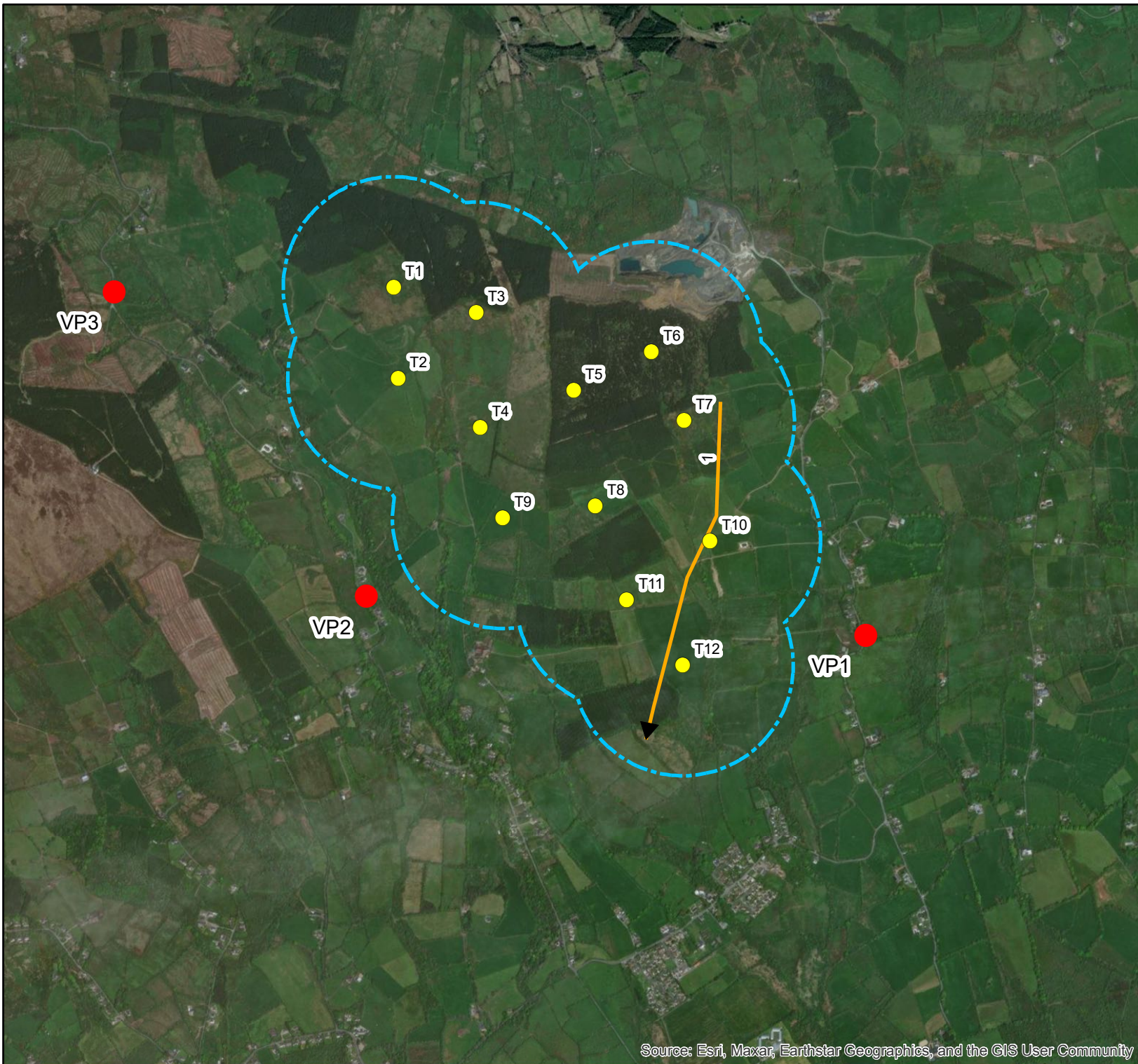
Client: Greensource

Drawing Title:
Summer Bird Survey 2020
Map 1-2 Buzzard

Drawn: JS **Checked:** SK

Date: 06/12/2022 **Scale (A4):** 1:24,000





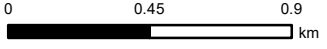
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Hen Harrier Flight Path

▶ 1, 06/04/2020

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Project Title:
Ballycar WF Bird Surveys

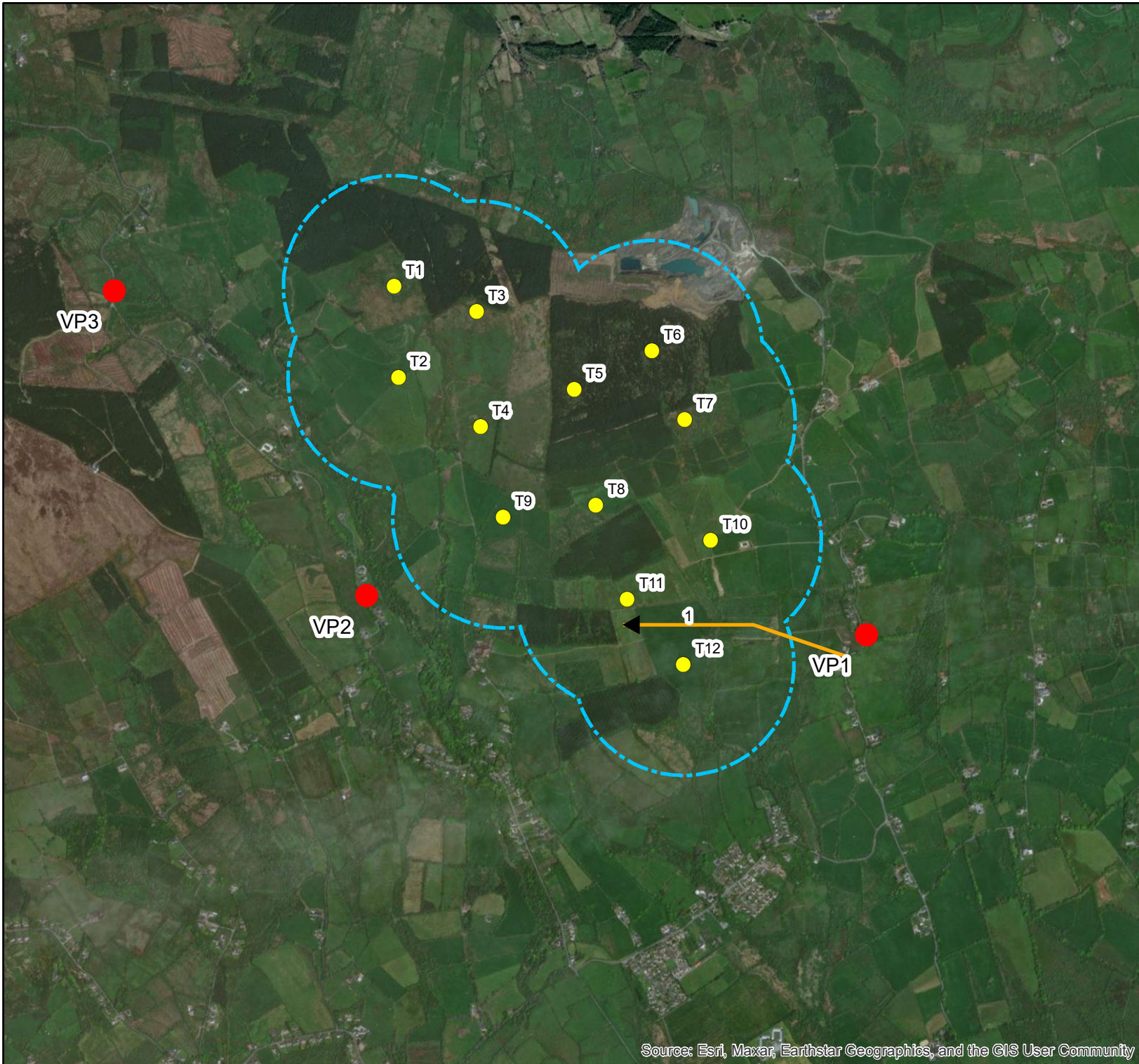
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2020
Map 2-1 Hen Harrier

Drawn: VH **Checked:** SK

Date: 12/09/2023 **Scale (A4):** 1:24,000





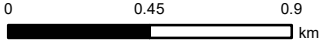
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Herring Gull Flight Path

▶ 1, 15/05/2020

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

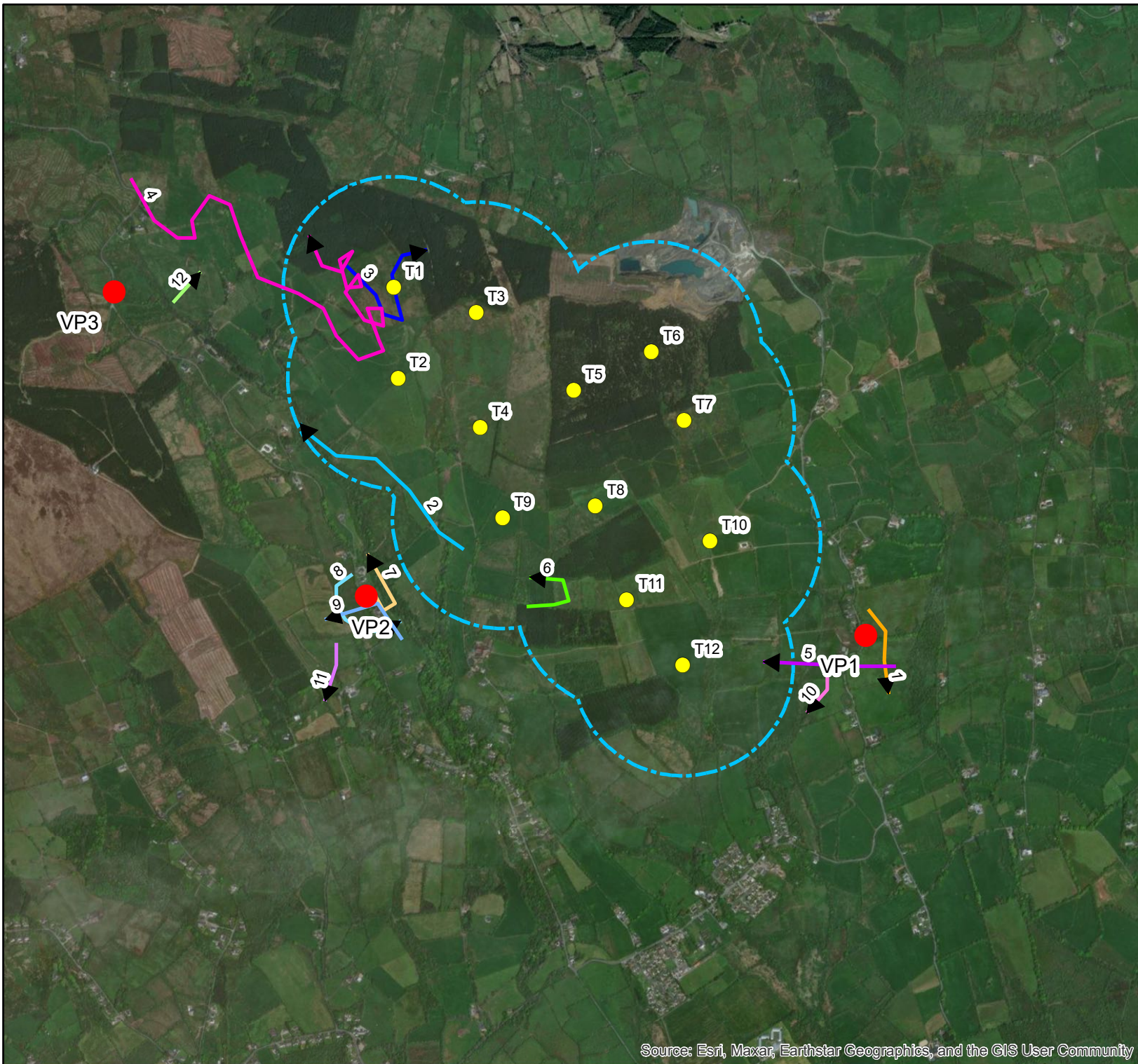
Drawing Title:
Summer Bird Survey 2020
Map 3-1 Herring Gull

Drawn: VH **Checked:** SK

Date: 12/09/2023 **Scale (A4):** 1:24,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



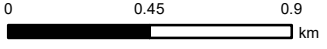
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Flight Paths

- ▶ 1, 06/04/2020
- ▶ 2, 06/04/2020
- ▶ 3, 08/04/2020
- ▶ 4, 14/04/2020
- ▶ 5, 11/05/2020
- ▶ 6, 11/05/2020
- ▶ 7, 11/05/2020
- ▶ 8, 11/05/2020
- ▶ 9, 11/05/2020
- ▶ 10, 10/06/2020
- ▶ 11, 10/07/2020
- ▶ 12, 18/08/2020

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

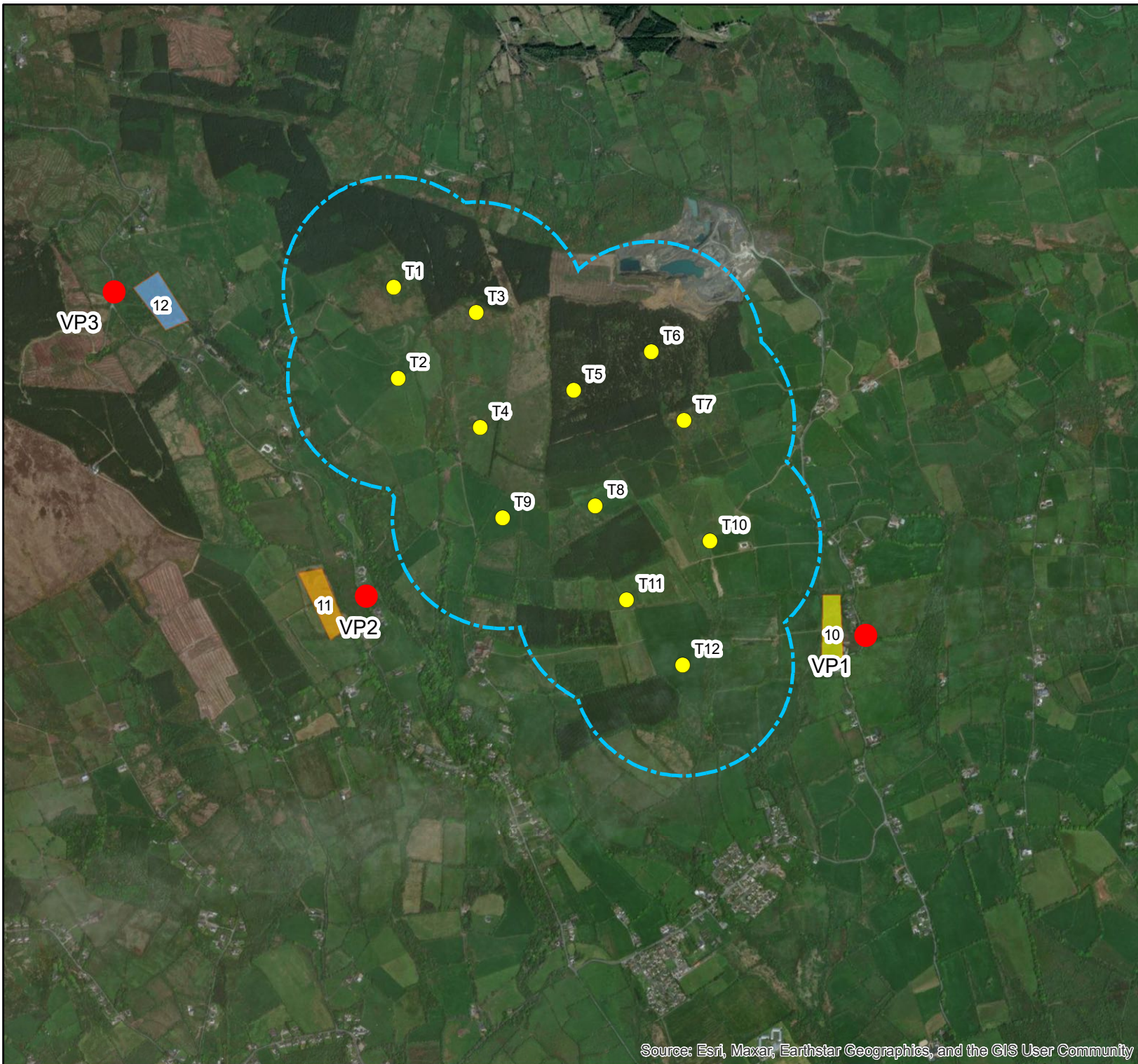
Drawing Title:
Summer Bird Survey 2020
Map 4-1 Kestrel

Drawn: VH **Checked:** SK

Date: 12/09/2023 **Scale (A4):** 1:24,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



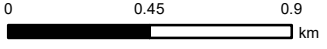
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Activity

- 10, 10/06/2020
- 11, 10/07/2020
- 12, 18/08/2020

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

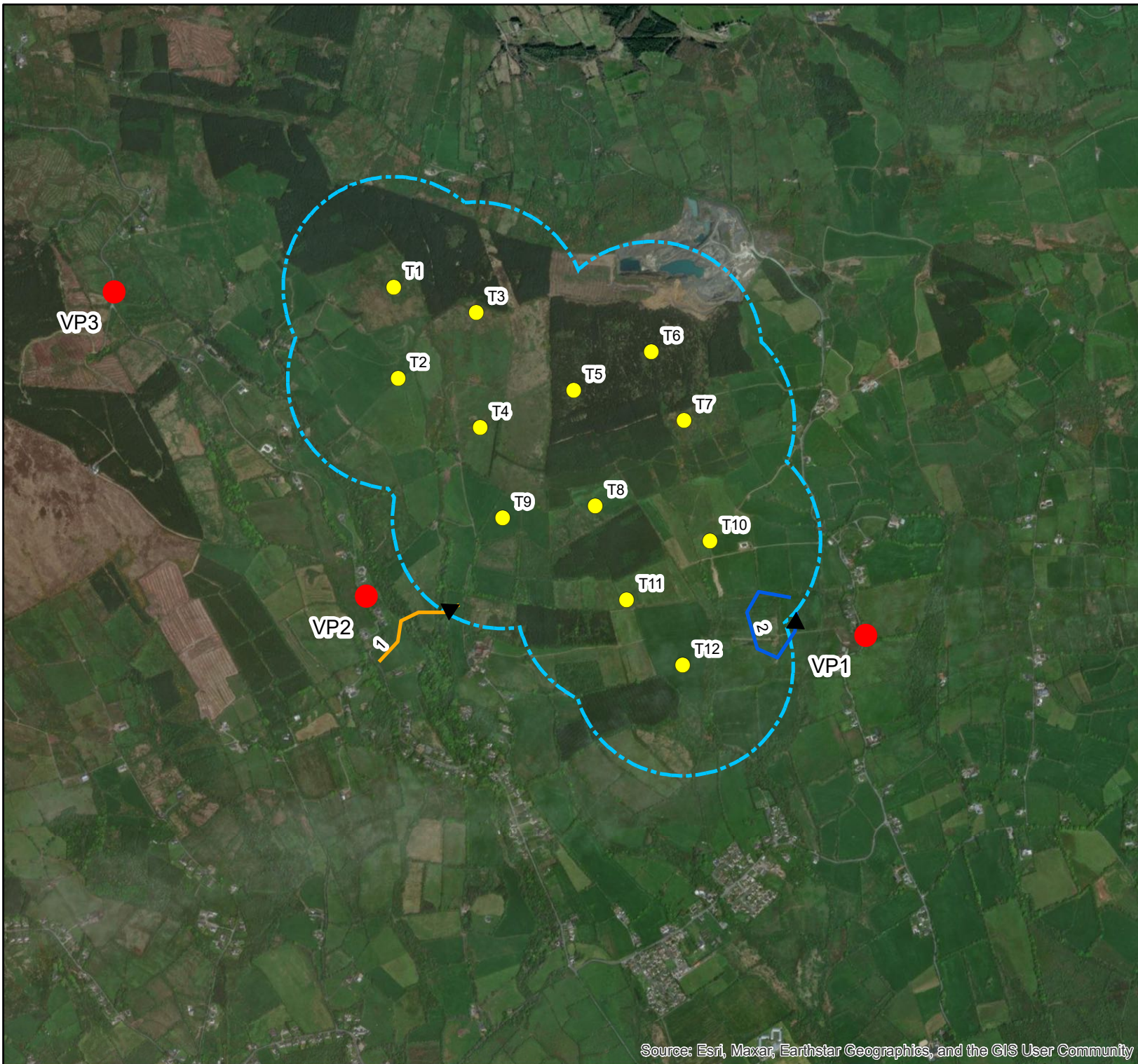
Drawing Title:
Summer Bird Survey 2020
Map 4-2 Kestrel

Drawn: VH **Checked:** SK

Date: 12/09/2023 **Scale (A4):** 1:24,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Lesser Black Backed Gull Flight Path

- 1, 16/06/2020
- 2, 15/07/2020

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0 0.45 0.9 km

Project Title:
 Ballycar WF Bird Surveys

Client: Ballycar Green Energy

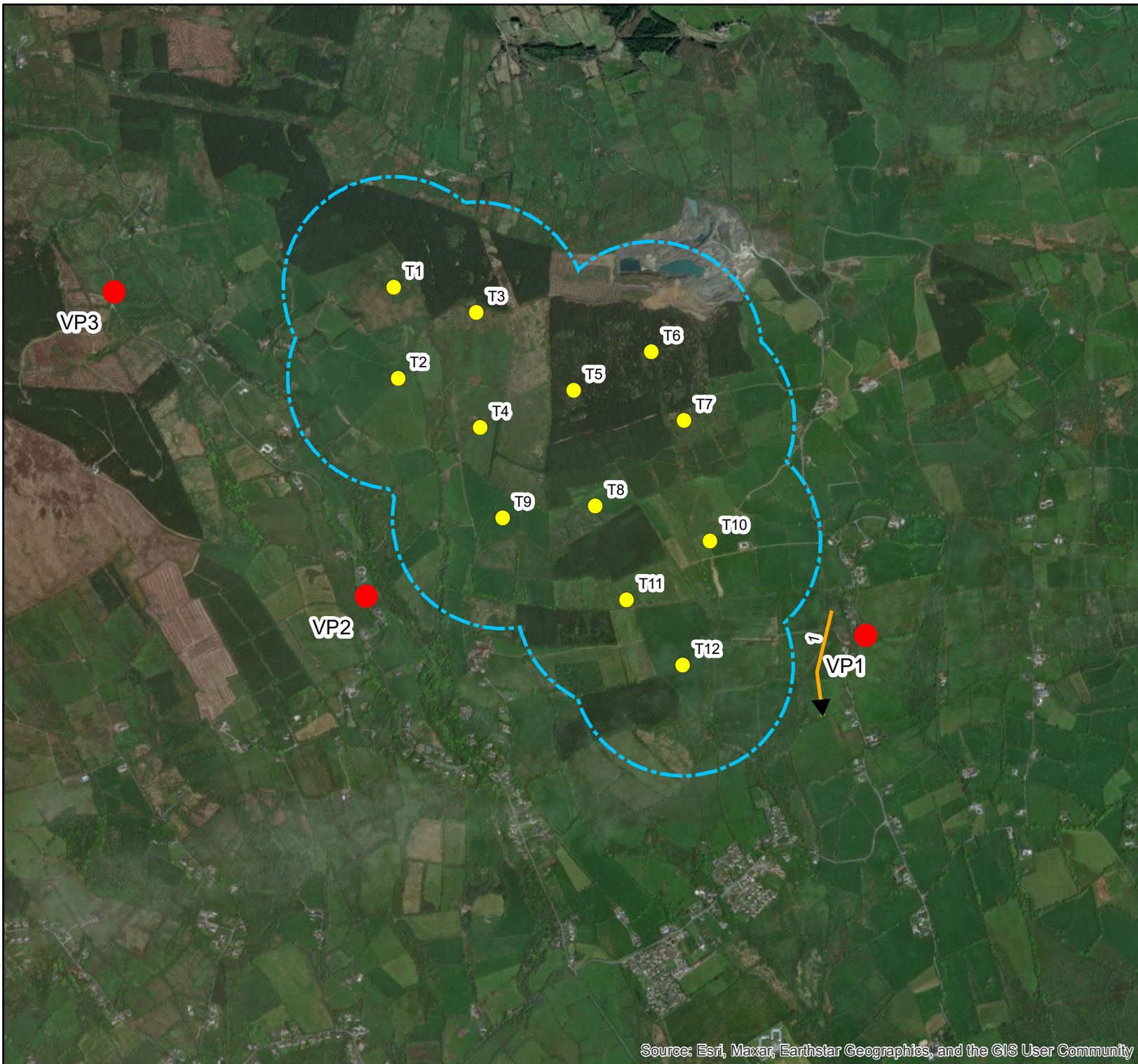
Drawing Title:
 Summer Bird Survey 2020
 Map 5-1 Lesser Black-Backed Gull

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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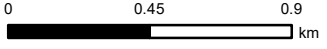
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer
- Little Egret Flight Path**
- ▶ 1, 11/05/2020

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Project Title:
 Ballycar WF Bird Surveys

Client: Ballycar Green Energy

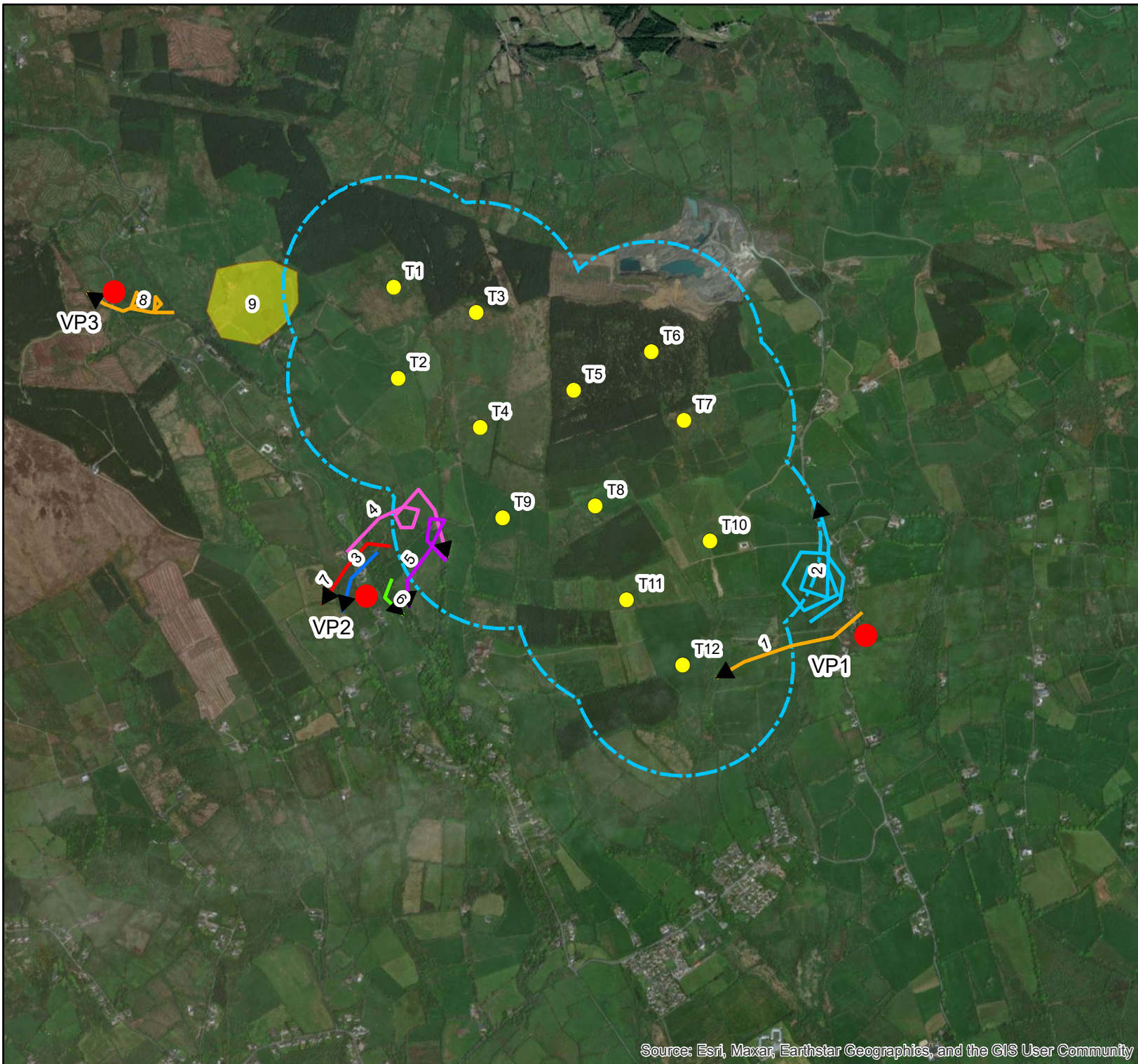
Drawing Title:
 Summer Bird Survey 2020
 Map 6-1 Little Egret

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

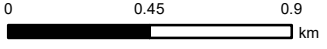
Sparrowhawk Flight Path

- ▶ 1, 06/04/2020
- ▶ 2, 14/04/2020
- ▶ 3, 06/04/2020
- ▶ 4, 06/04/2020
- ▶ 5, 06/04/2020
- ▶ 6, 06/04/2020
- ▶ 7, 08/04/2020
- ▶ 8, 13/05/2020

Sparrowhawk Activity

- 9, 10/06/2020

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Project Title:
Ballycar WF Bird Surveys

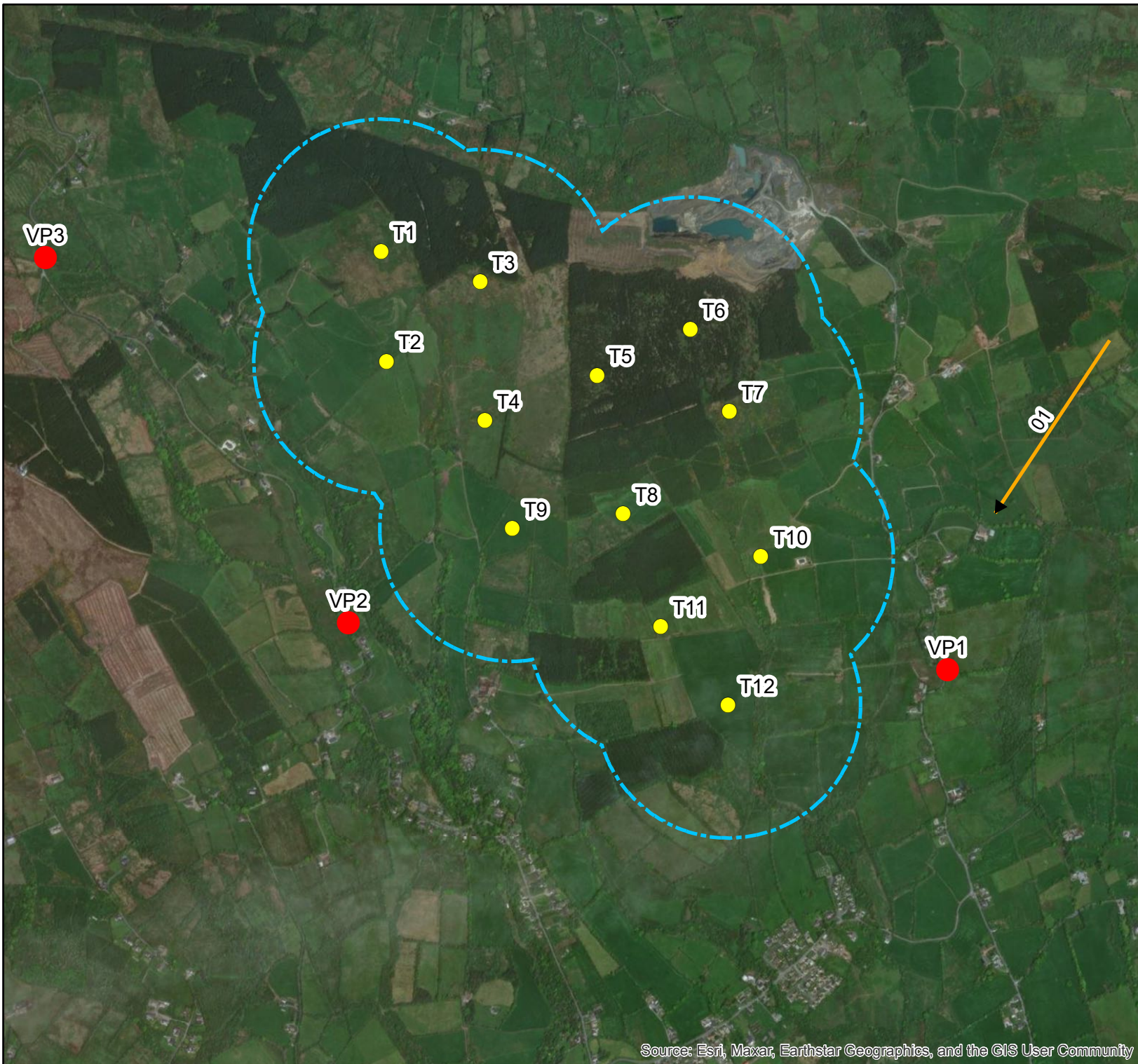
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2020
Map 7-1 Sparrowhawk

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:24,000





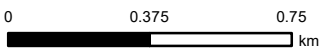
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Black Headed Gull

➔ 01, 08/01/2021

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Project Title:
Ballycar WF Bird Surveys

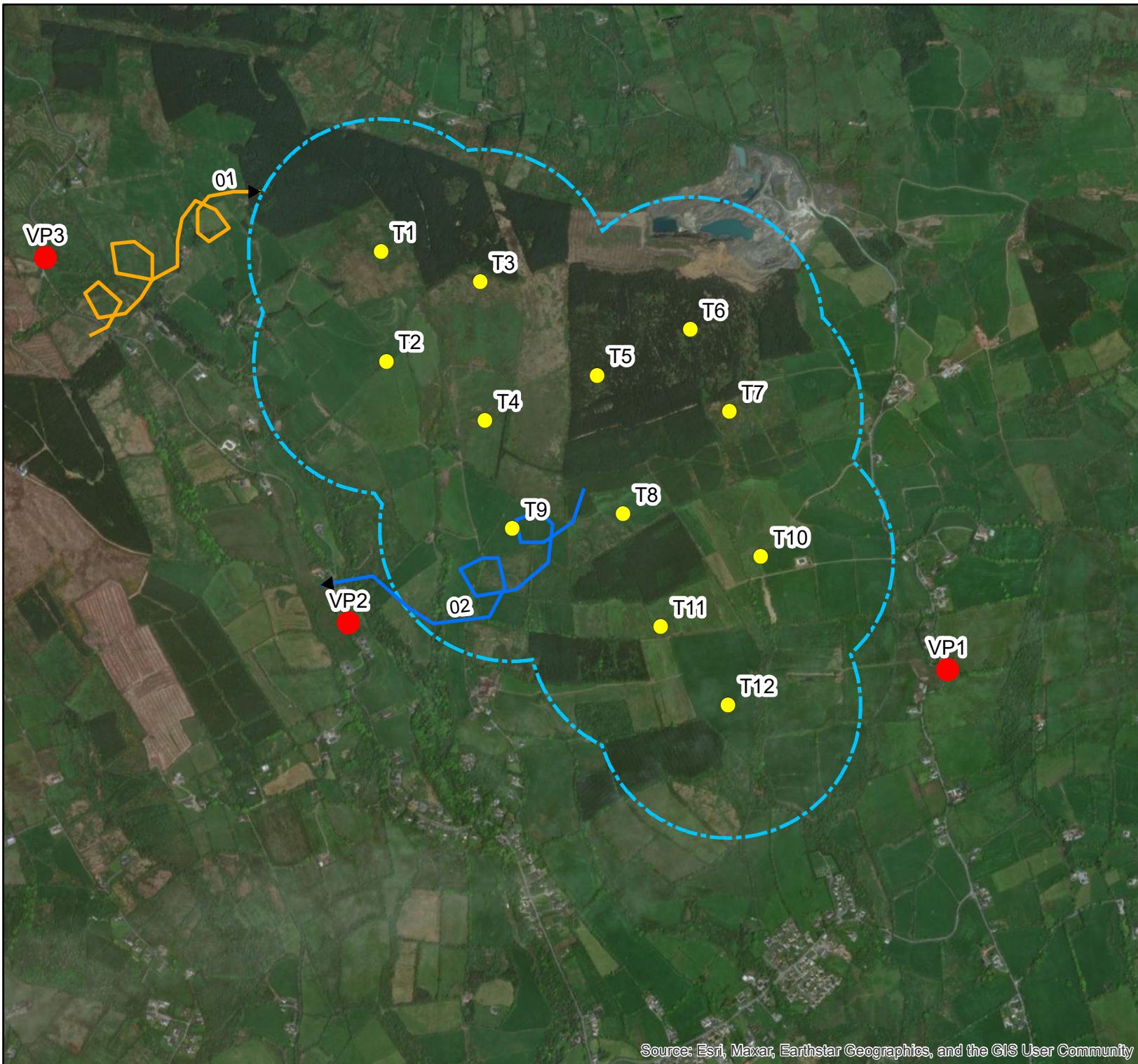
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2020 - 2021
Map 1-1 Black Headed Gull

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





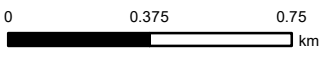
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Buzzard Flight Path

- ➔ 01, 04/02/2021
- ➔ 02, 01/03/2021

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Project Title:
Ballycar WF Bird Surveys

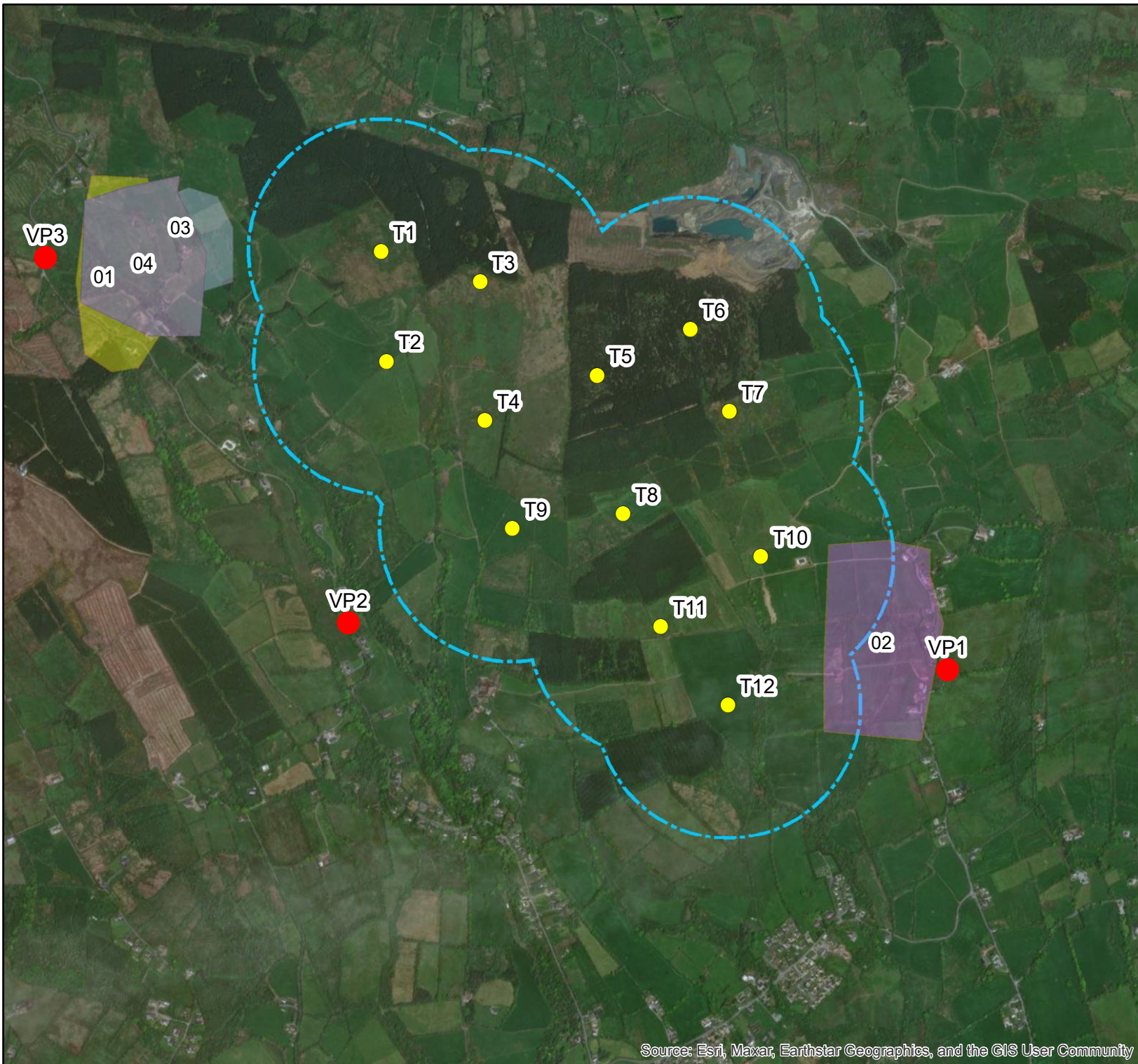
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2020 - 2021
Map 2-1 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





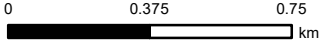
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Activity

- 01, 05/11/2020
- 02, 05/02/2021
- 03, 01/03/2021
- 04, 05/03/2021

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Project Title:
Ballycar WF Bird Surveys

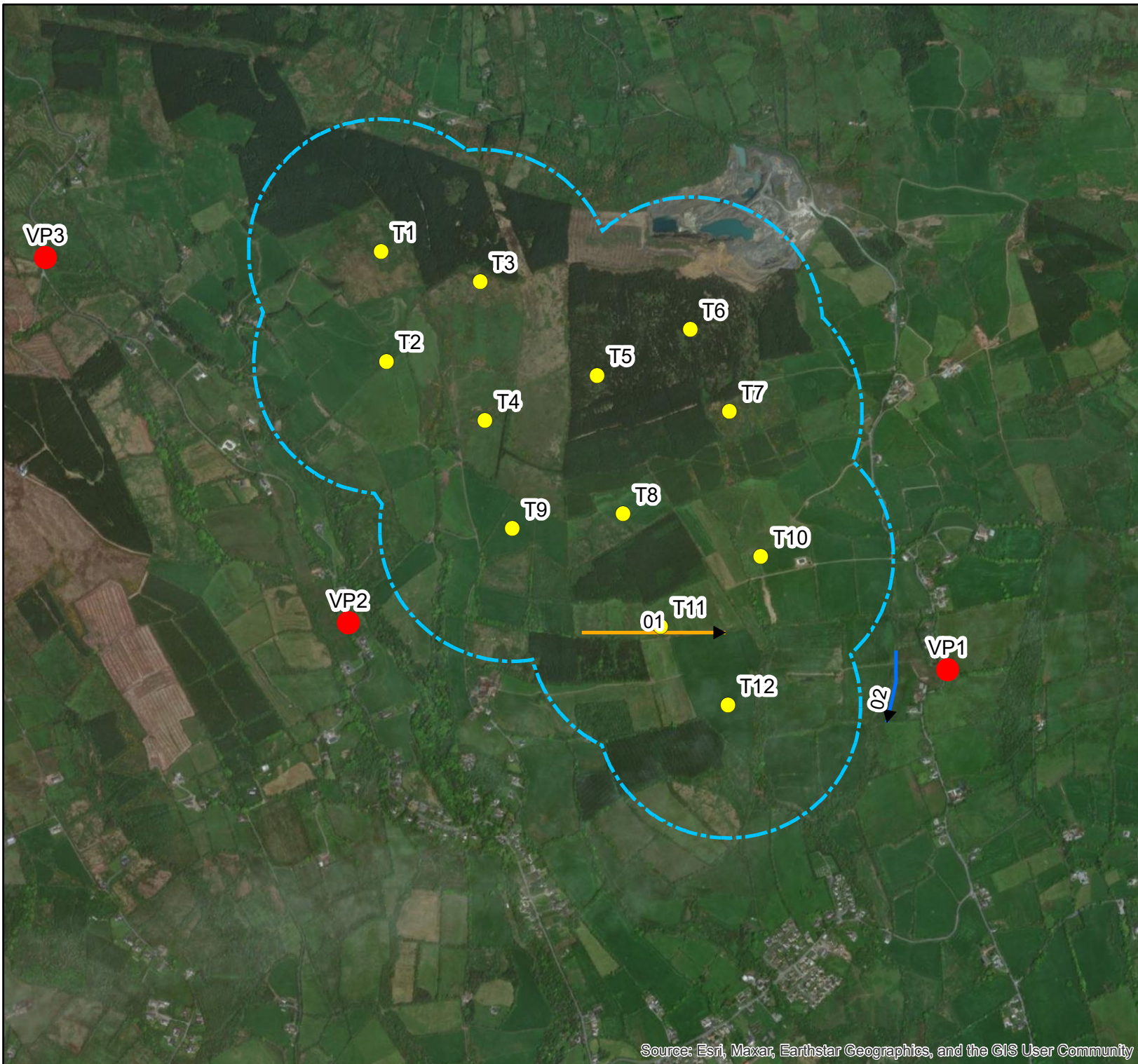
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2020 - 2021
Map 3-1 Kestrel

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





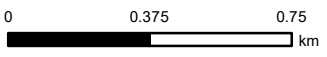
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Sparrowhawk Flight Path

- ➔ 01, 02/12/2020
- ➔ 02, 05/03/2021

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

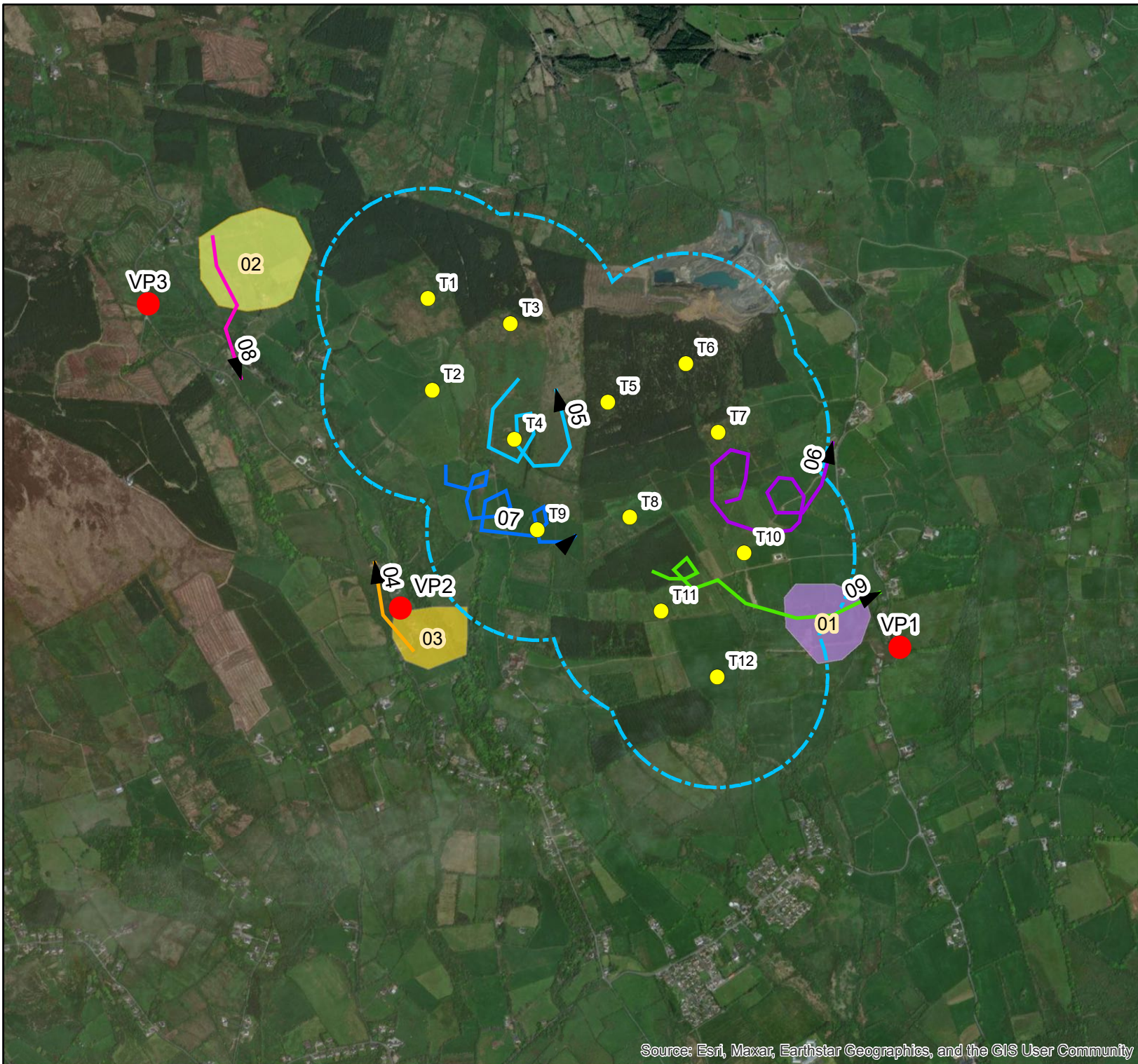
Drawing Title:
Winter Bird Survey 2020 - 2021
Map 4-1 Sparrowhawk

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Buzzard Activity

- 01, 01/04/2021
- 02, 02/04/2021
- 03, 05/05/2021

Buzzard Flight Path

- ▶ 04, 05/05/2021
- ▶ 05, 10/06/2021
- ▶ 06, 16/06/2021
- ▶ 07, 10/08/2021
- ▶ 08, 10/08/2021
- ▶ 09, 08/09/2021

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0 0.45 0.9
 km

Project Title:
 Ballycar WF Bird Surveys

Client: Ballycar Green Energy

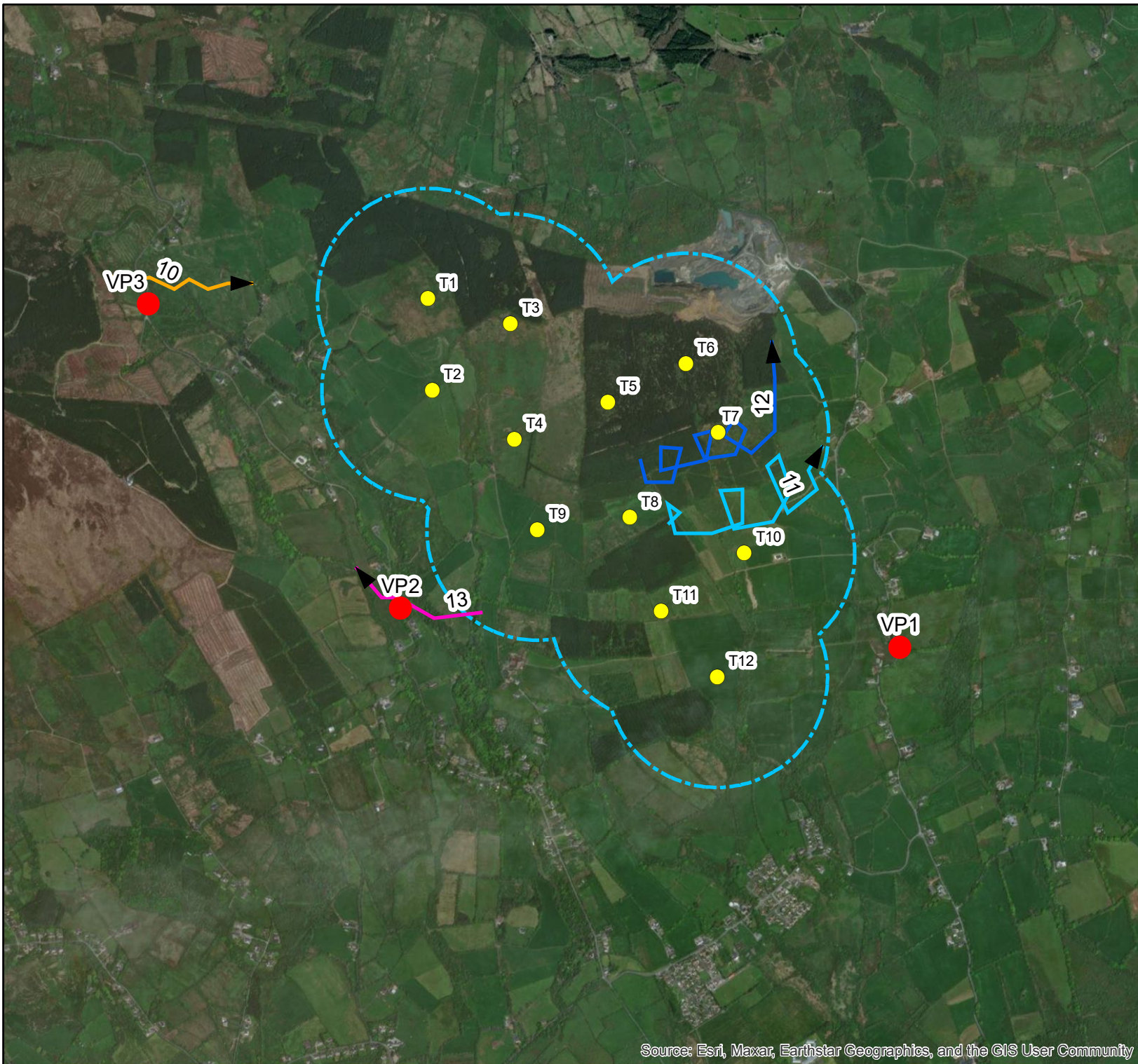
Drawing Title:
 Summer Bird Survey 2021
 Map 1-1 Buzzard

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



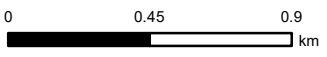
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 10, 06/09/2021
- ▶ 11, 08/09/2021
- ▶ 12, 08/09/2021
- ▶ 13, 08/09/2021

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Project Title:
Ballycar WF Bird Surveys

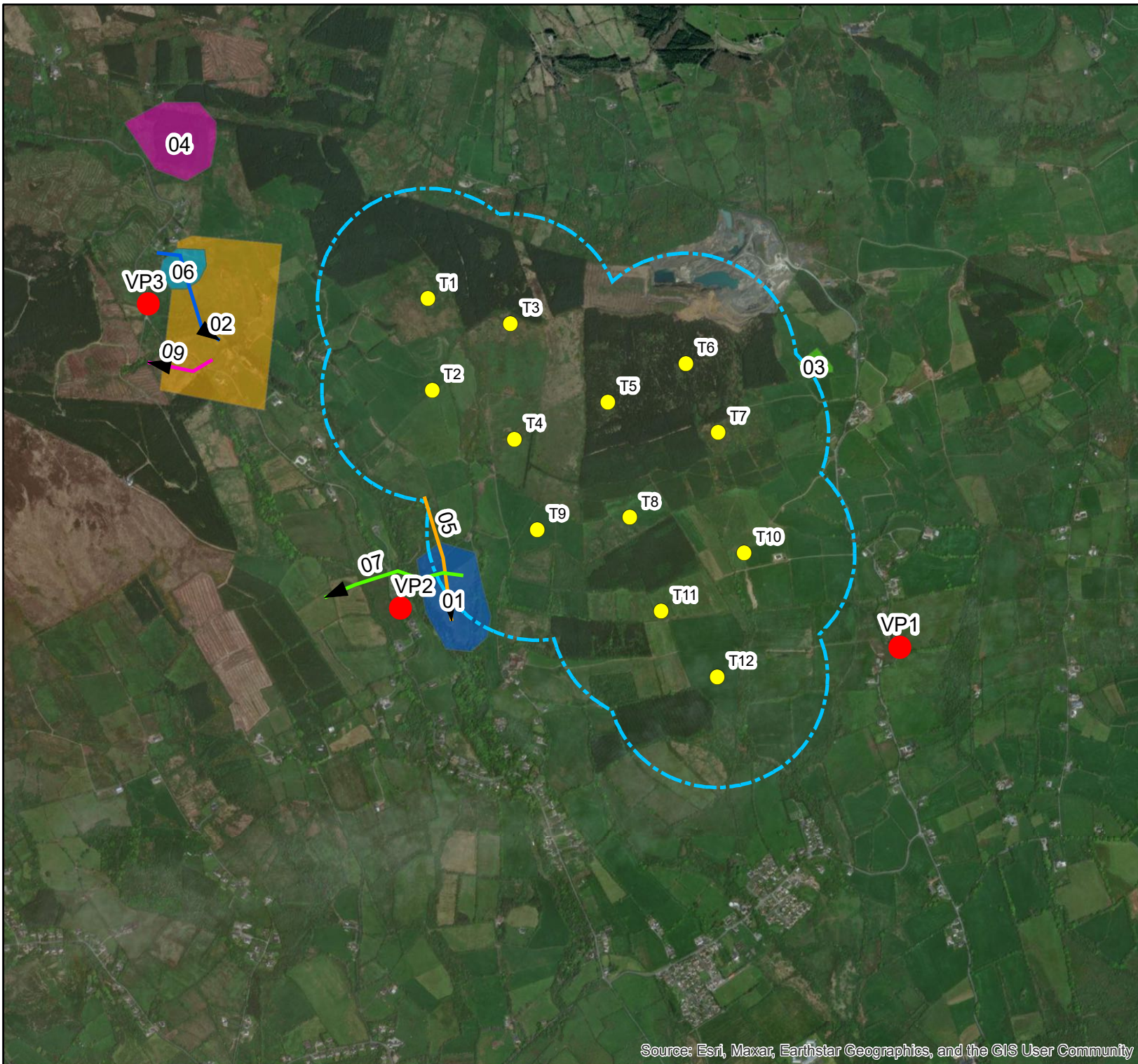
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2021
Map 1-2 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:24,000





Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

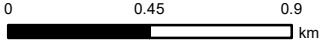
Kestrel Activity

- 01, 06/04/2021
- 02, 01/04/2021
- 03, 04/05/2021
- 04, 04/05/2021
- 06, 07/05/2021

Kestrel Flight Path

- ▶ 05, 05/05/2021
- ▶ 07, 10/06/2021
- ▶ 08, 10/06/2021
- ▶ 09, 10/06/2021

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Project Title:
Ballycar WF Bird Surveys

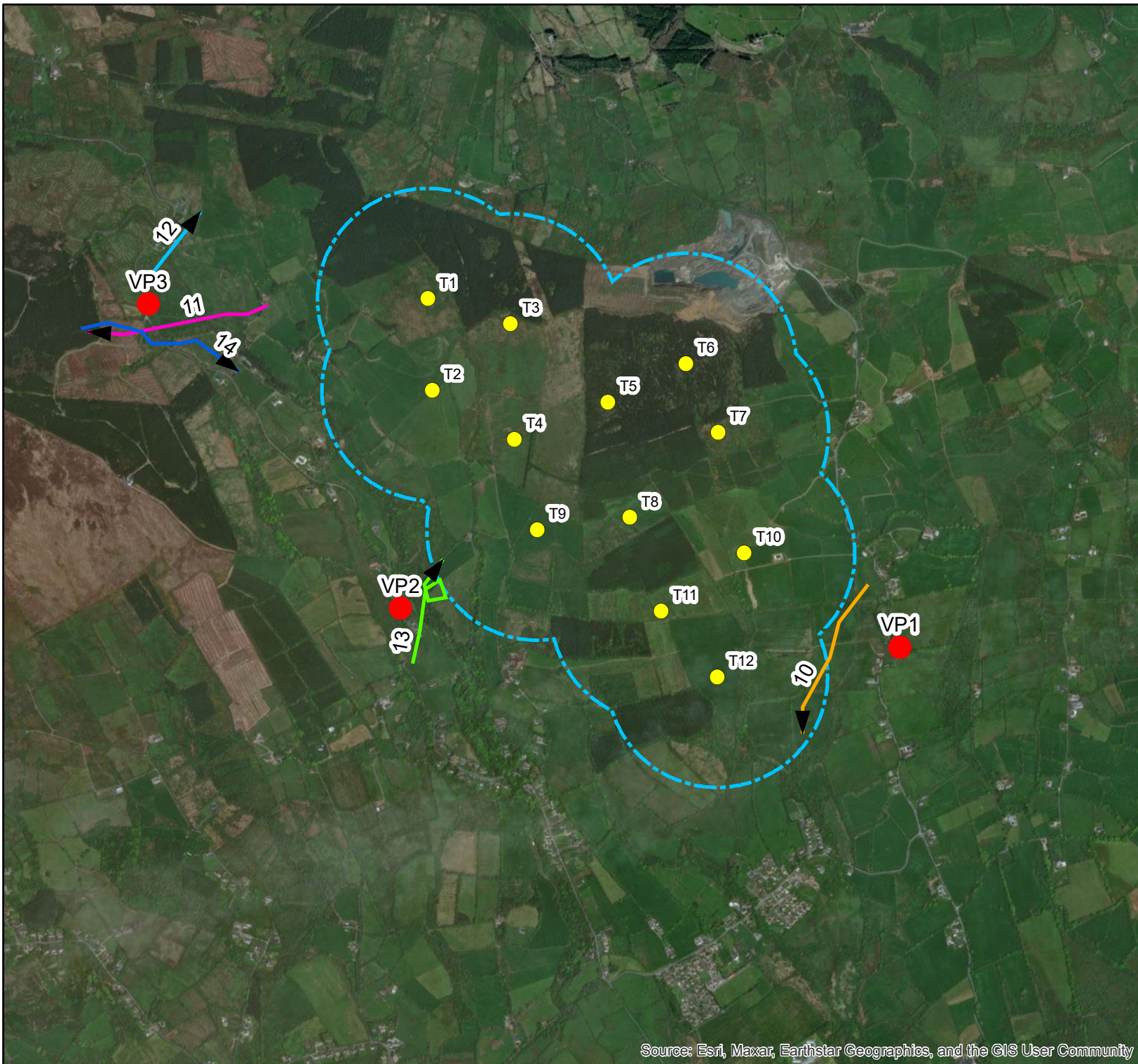
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2021
Map 2-1 Kestrel

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:24,000





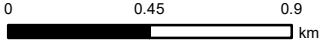
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 10, 07/07/2021
- ▶ 11, 09/07/2021
- ▶ 12, 10/08/2021
- ▶ 13, 06/09/2021
- ▶ 14, 10/09/2021

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Project Title:
Ballycar WF Bird Surveys

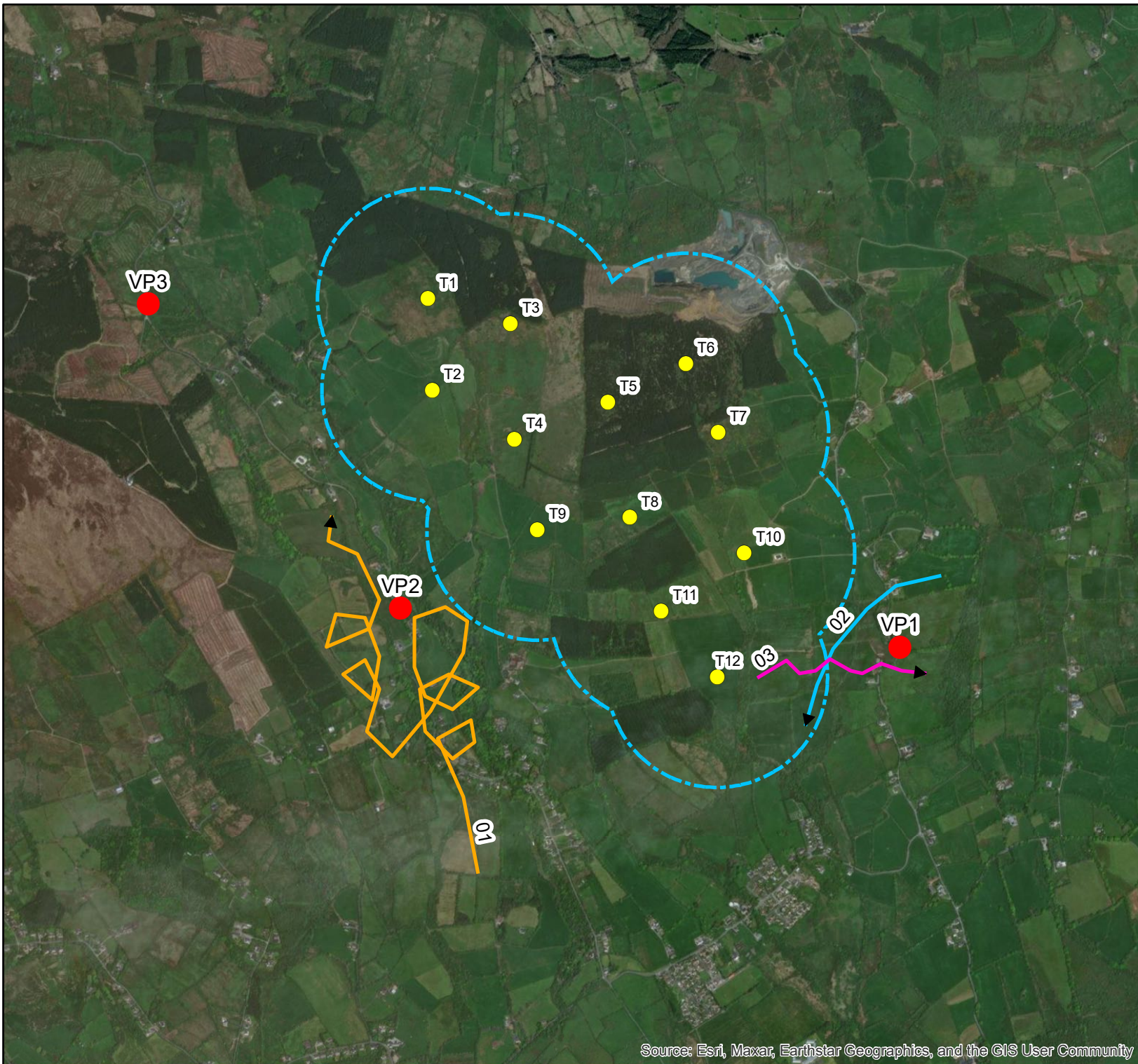
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2021
Map 2-2 Kestrel

Drawn: VH	Checked: SK
Date: 12/09/2023	Scale (A4): 1:24,000



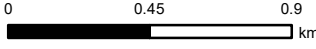
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- Lesser Black Backed Gull Flight Path**
- 01, 02/04/2021
- 02, 14/06/2021
- 03, 10/09/2021
- 500m Turbine Buffer

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

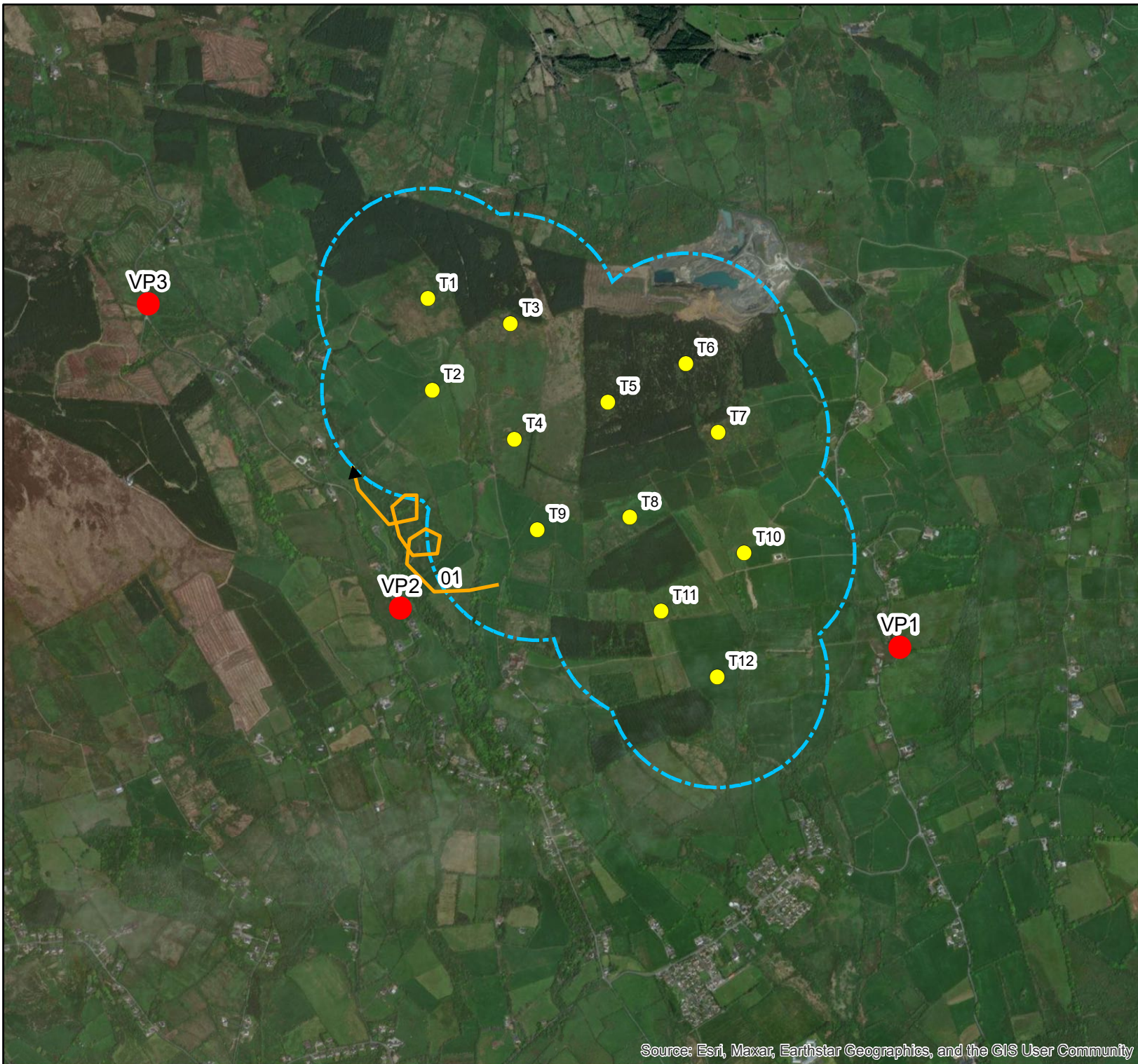
Drawing Title:
Summer Bird Survey 2021
Map 3-1 Lesser Black-Backed Gull

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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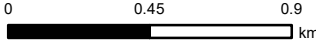
Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Location
- Peregrine Flight Path**
- ➔ 01, 08/09/2021
- 500m Turbine Buffer

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 Ballycar WF Bird Surveys

Client: Ballycar Green Energy

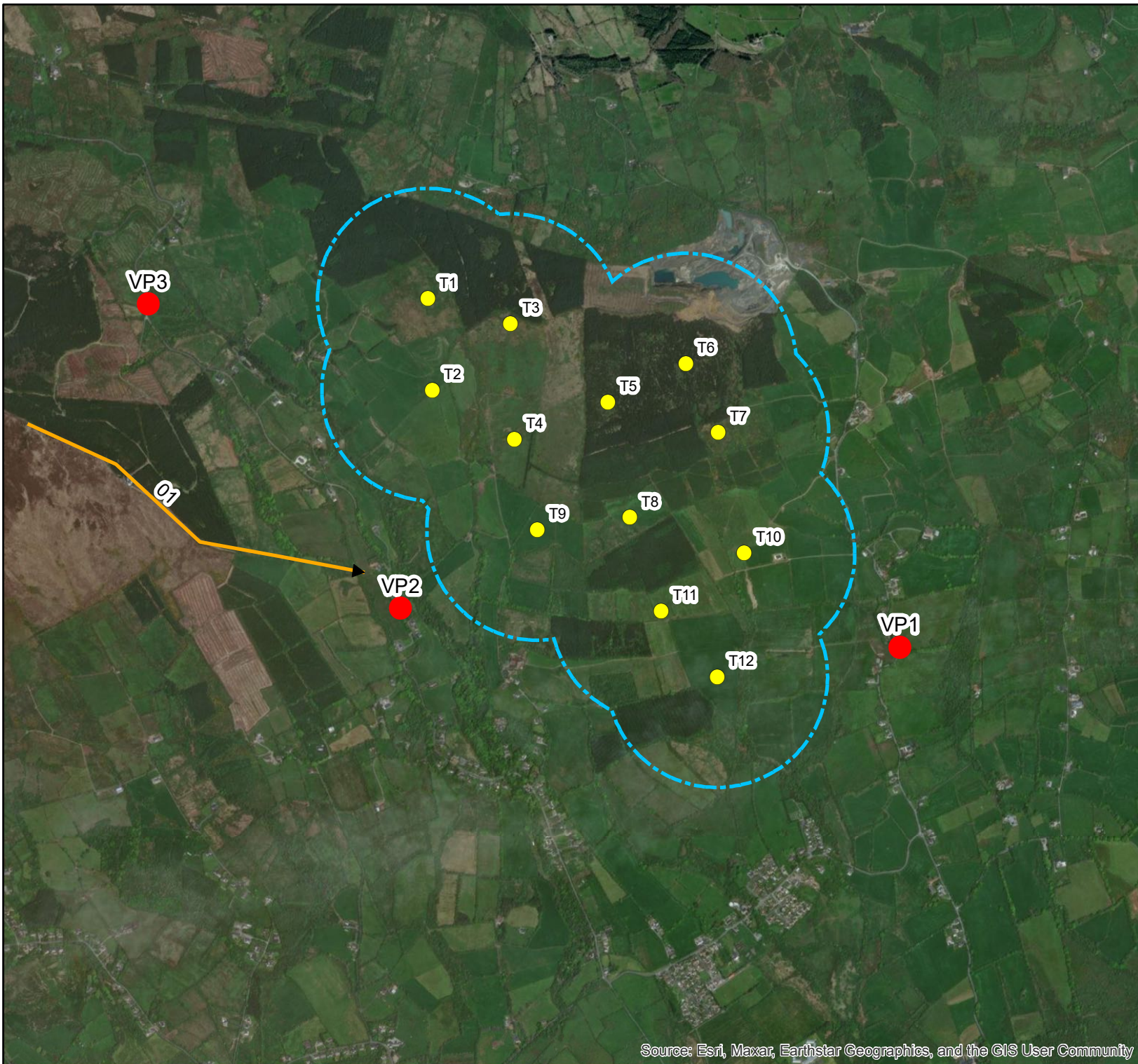
Drawing Title:
 Summer Bird Survey 2021
 Map 4-1 Peregrine

Drawn: VH **Checked:** SK

Date: 12/09/2023 **Scale (A4):** 1:24,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

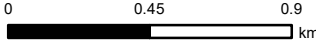


Legend

- Turbine Locations
- Vantage Point Location
- 01, 02/04/2021
- 500m Turbine Buffer

Sparrowhawk Flight Path

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Project Title:
Ballycar WF Bird Surveys

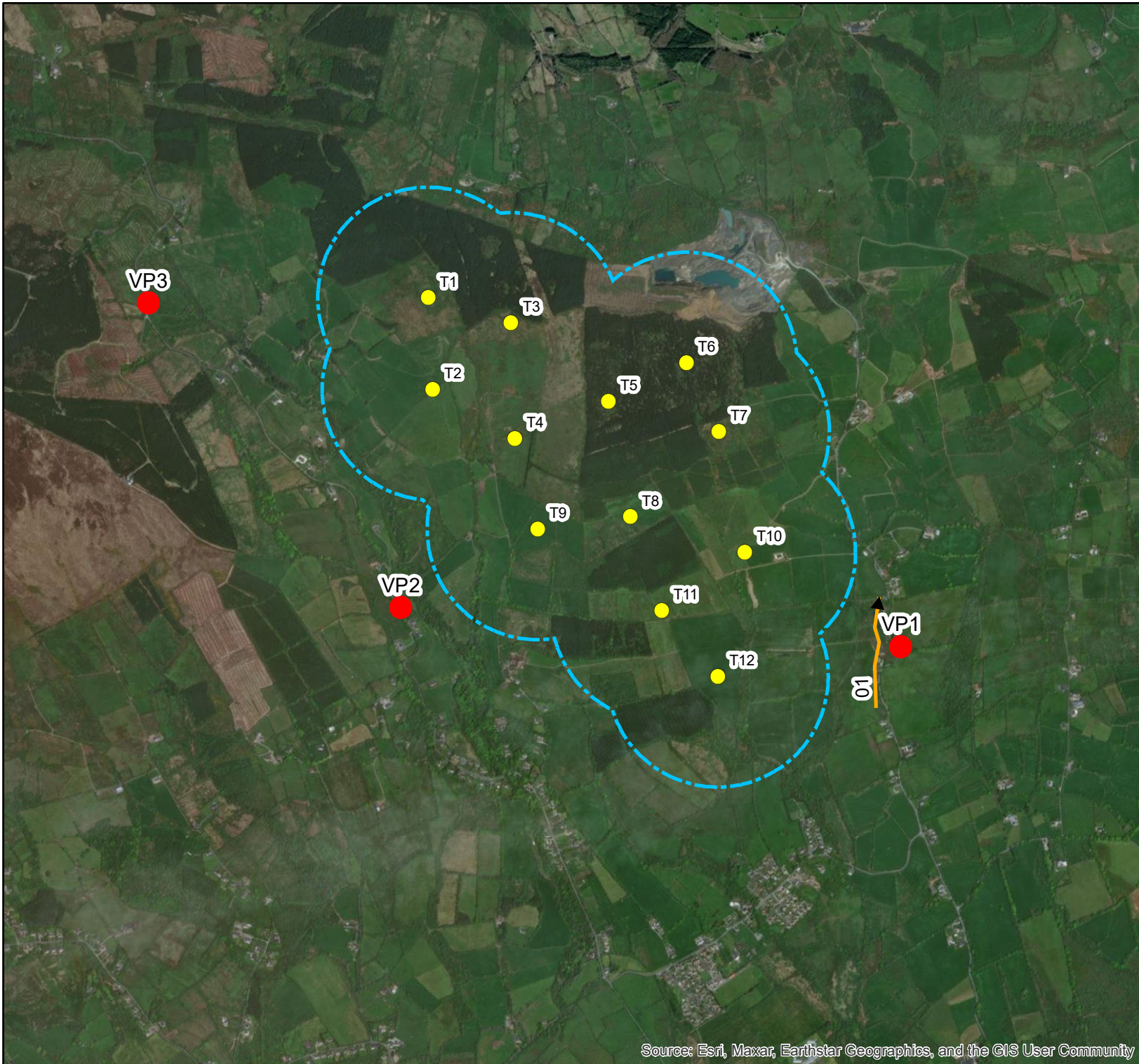
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2021
Map 5-1 Sparrowhawk

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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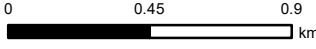




Legend

- Turbine Locations
- Vantage Point Location
- Whimbrel Flight Path**
- 01, 04/05/2021
- - - 500m Turbine Buffer

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Ballycar WF Bird Surveys

Client: Ballycar Green Energy

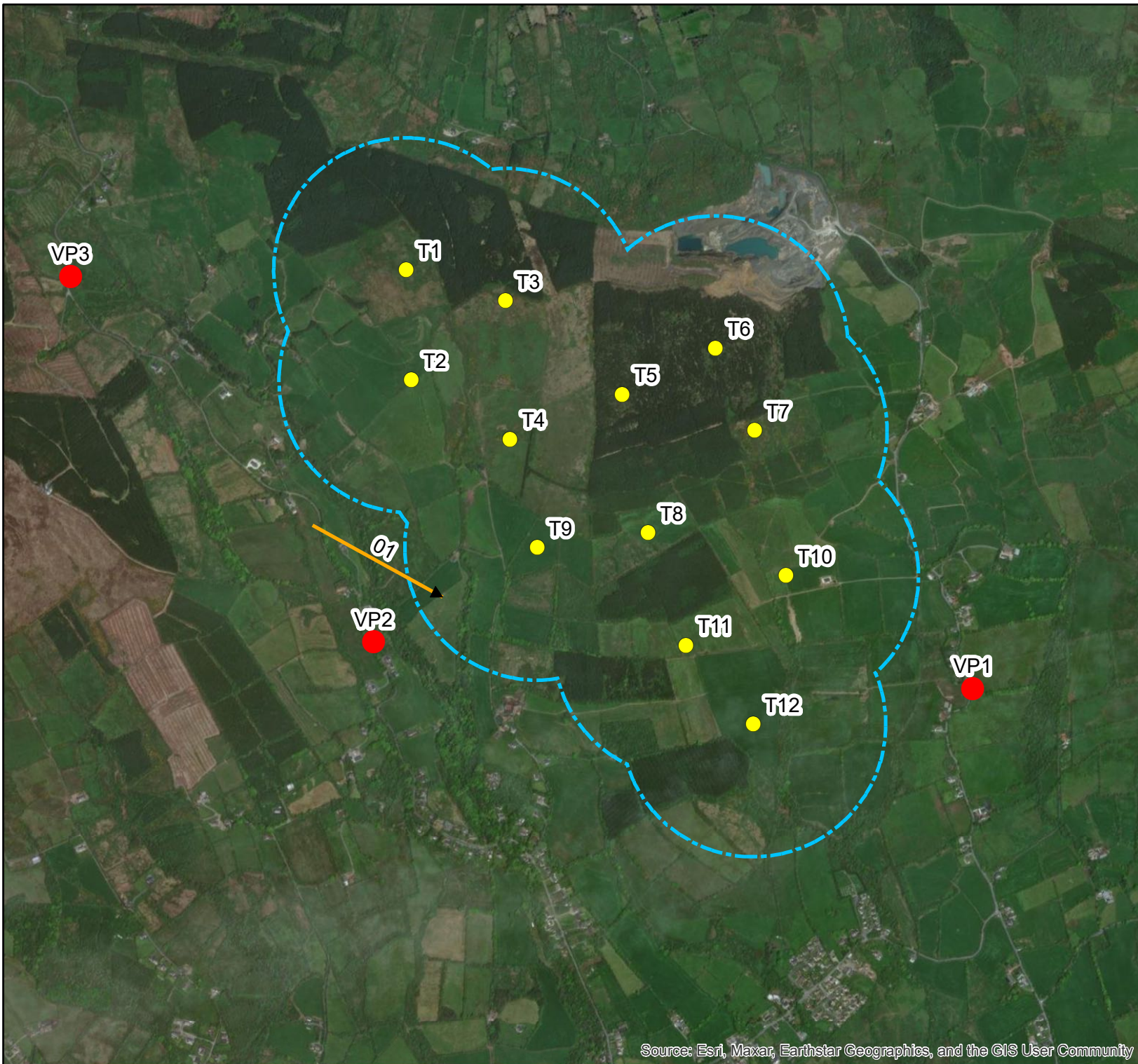
Drawing Title:
Summer Bird Survey 2021
Map 6-1 Whimbrel

Drawn: VH **Checked:** SK

Date: 12/09/2023 **Scale (A4):** 1:24,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



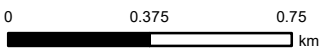
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Black Headed Gull Flight Path

➔ 01, 21/10/2021

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Project Title:
Ballycar WF Bird Surveys

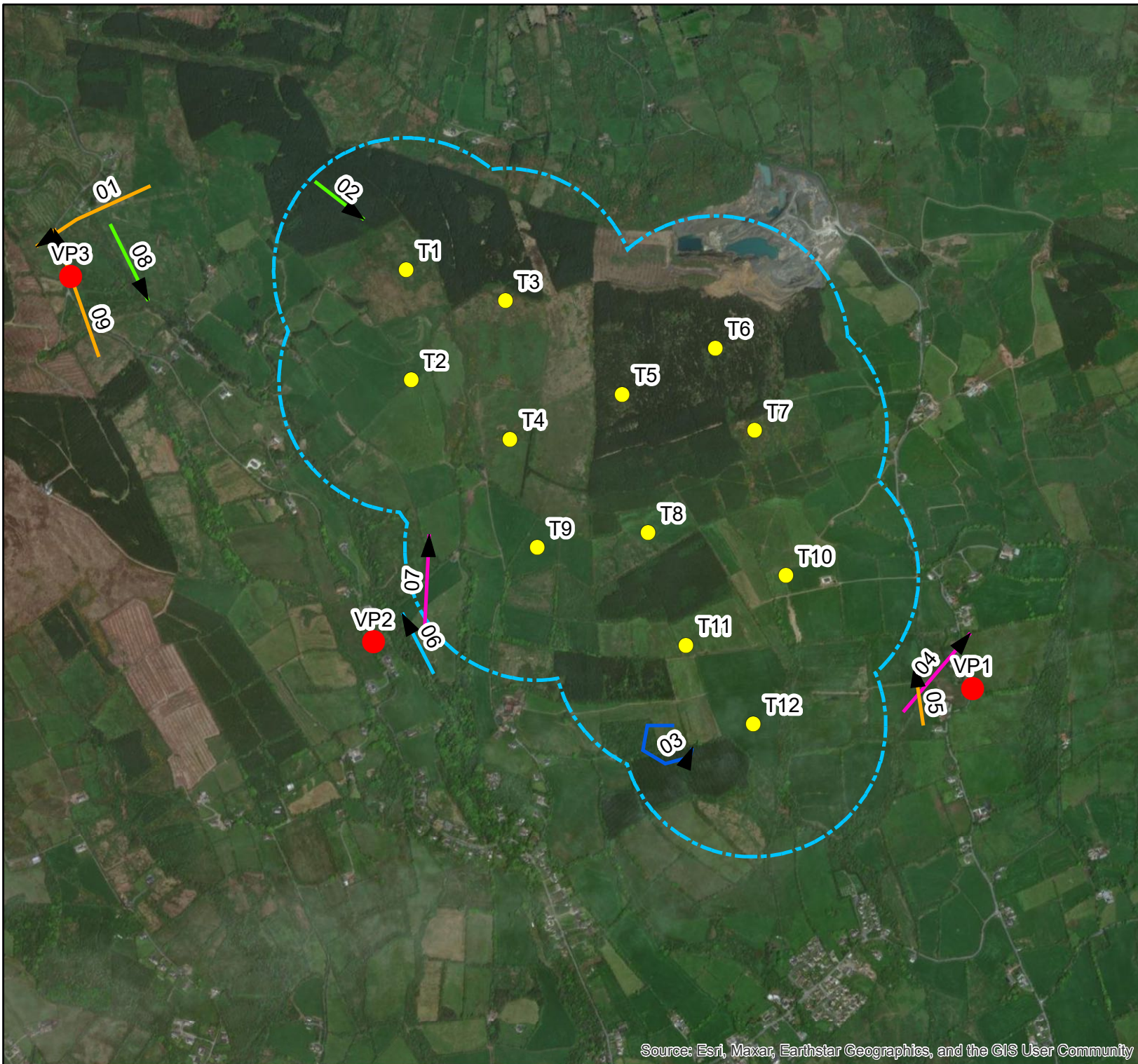
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2021 - 2022
Map 1-1 Black Headed Gull

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





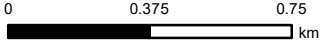
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 01, 22/10/2021
- ▶ 02, 22/10/2021
- ▶ 03, 18/01/2022
- ▶ 04, 21/12/2021
- ▶ 05, 23/12/2021
- ▶ 06, 21/12/2022
- ▶ 07, 21/12/2021
- ▶ 08, 20/12/2021
- ▶ 09, 20/12/2021

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Project Title:
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Client: Ballycar Green Energy

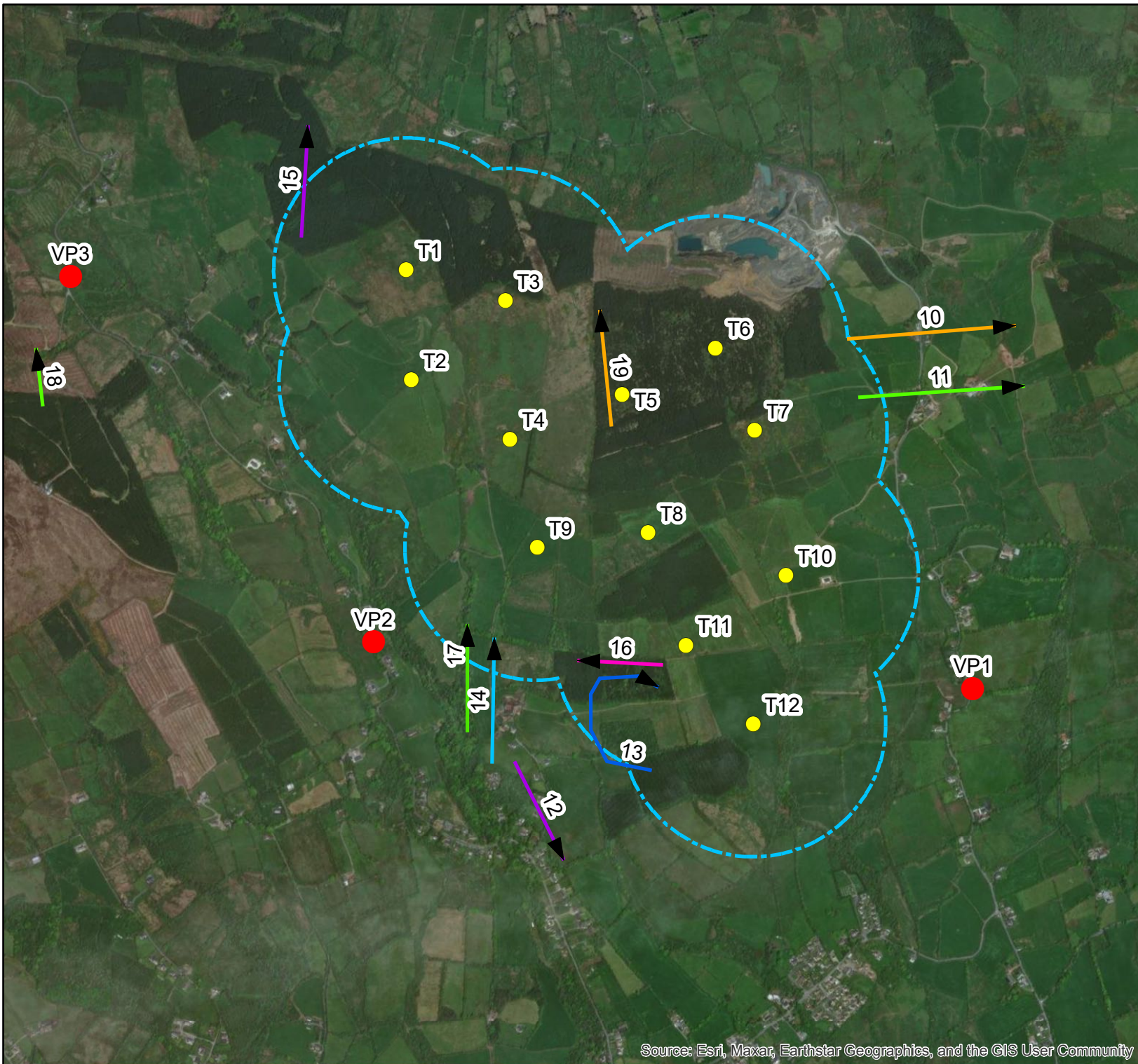
Drawing Title:
Winter Bird Survey 2021 - 2022
Map 2-1 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



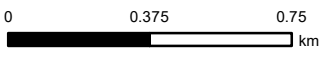
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Buzzard Flight Path

- 10, 21/01/2022
- 11, 21/01/2022
- 12, 21/01/2022
- 13, 09/02/2022
- 14, 09/02/2022
- 15, 09/02/2022
- 16, 16/02/2022
- 17, 16/02/2022
- 18, 17/02/2022
- 19, 17/02/2022

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Project Title:
Ballycar WF Bird Surveys

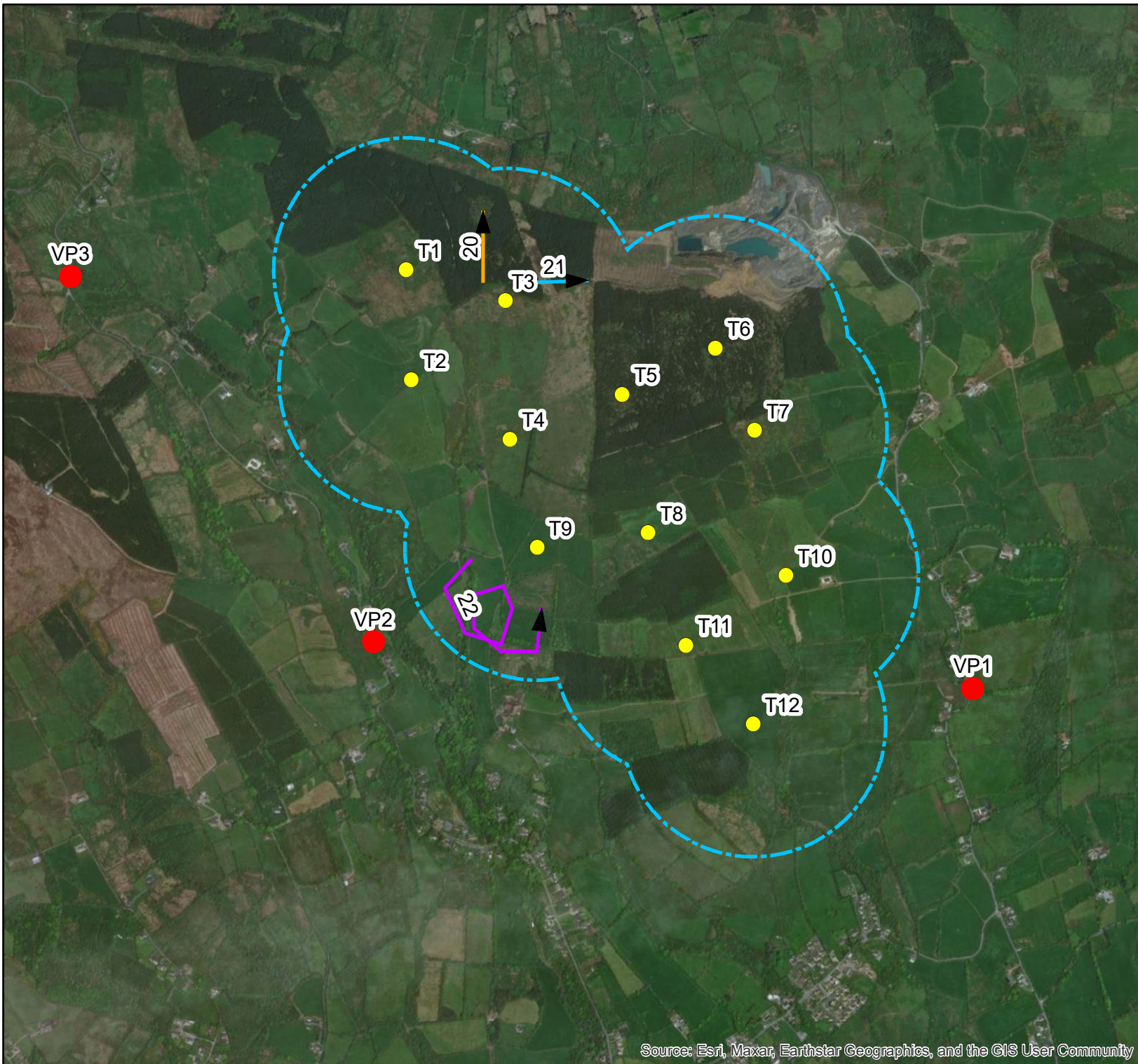
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2021 - 2022
Map 2-2 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





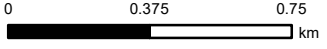
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 20, 17/02/2022
- ▶ 21, 17/02/2022
- ▶ 22, 08/03/2022

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Project Title:
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

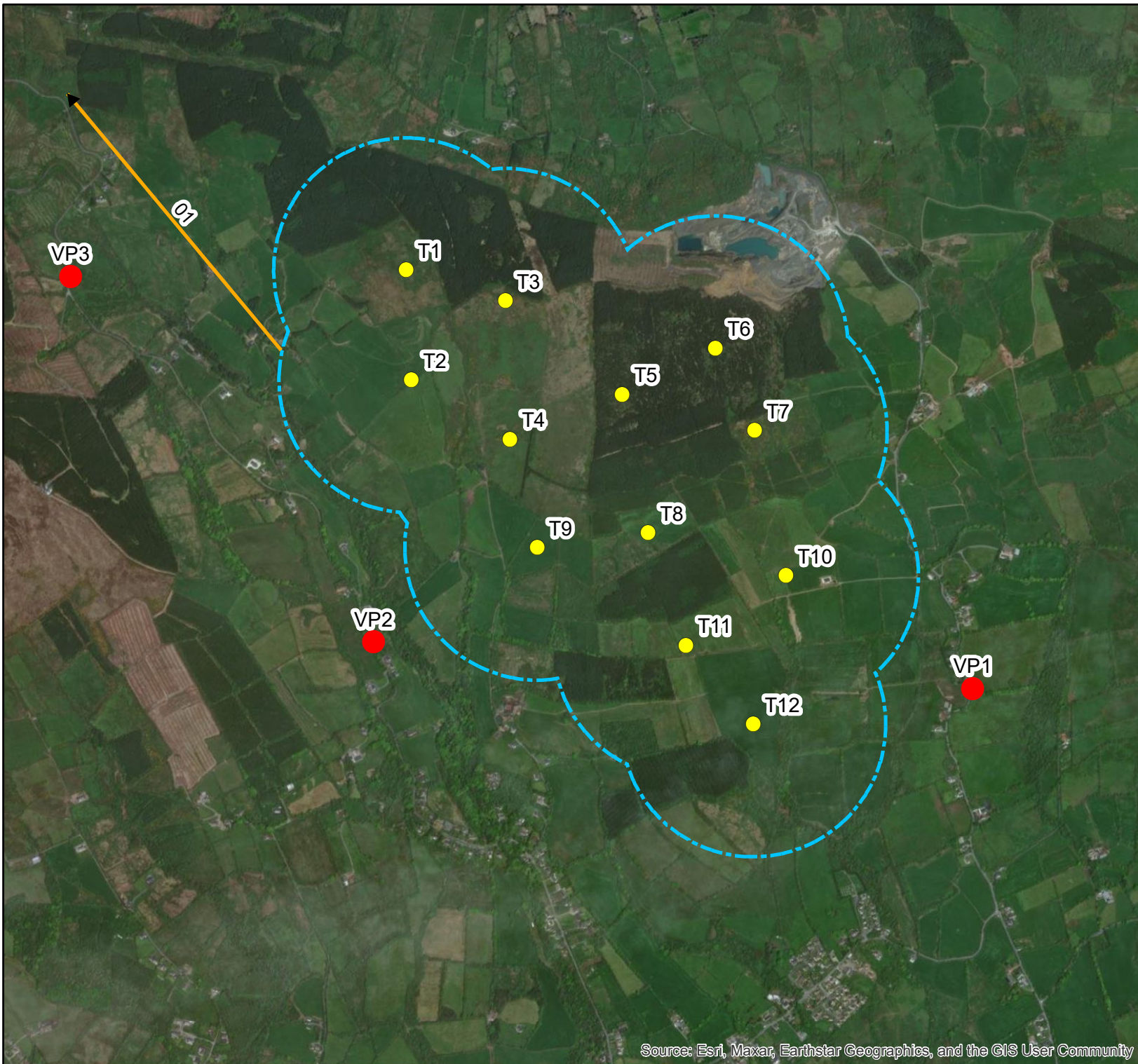
Drawing Title:
Winter Bird Survey 2021 - 2022
Map 2-3 Buzzard

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



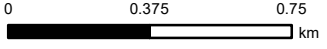
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Grey Heron Flight Path

➔ 01, 20/01/2022

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Client: Ballycar Green Energy

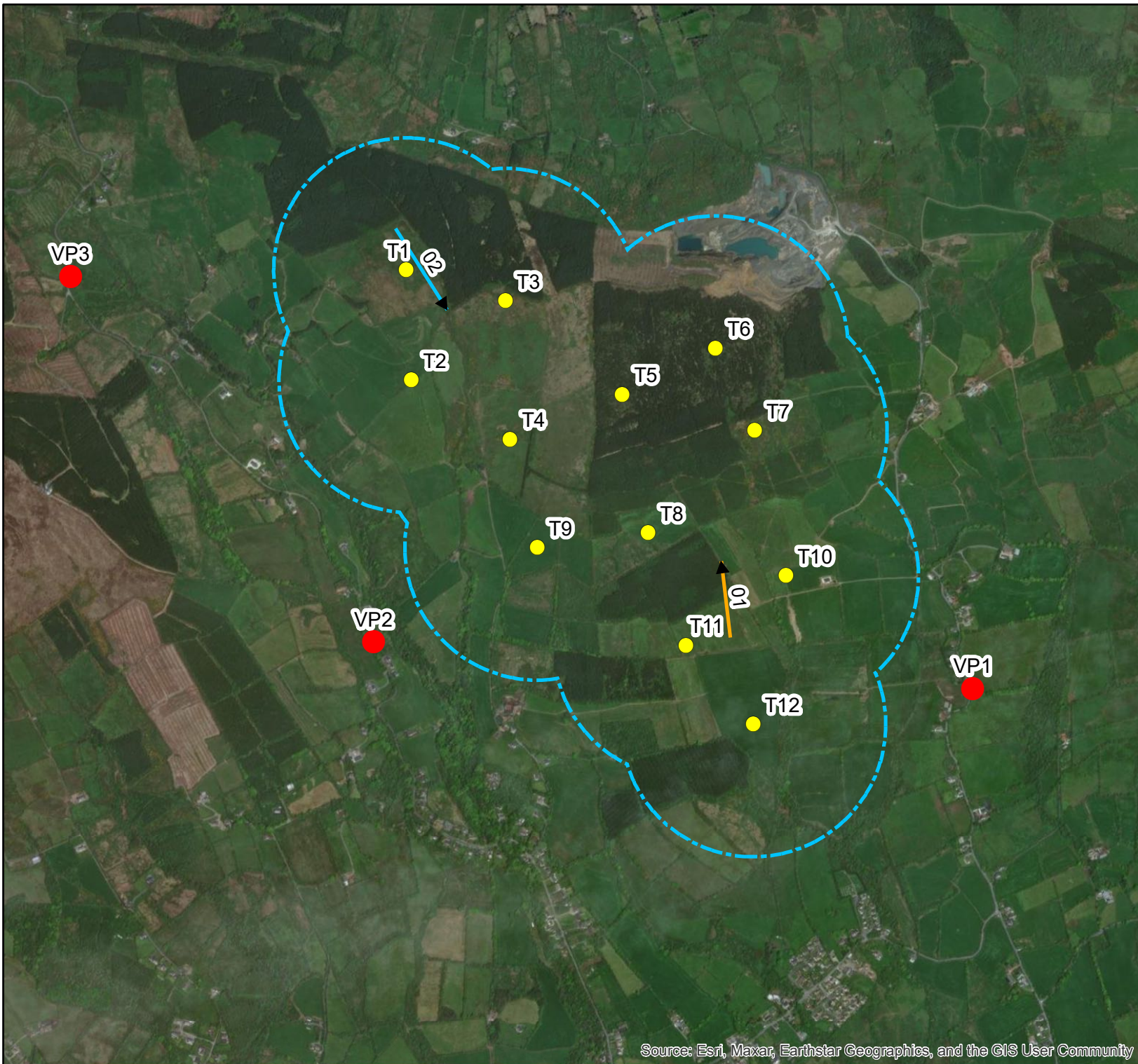
Drawing Title:
Winter Bird Survey 2021 - 2022
Map 3-1 Grey Heron

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



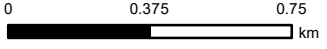
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Hen Harrier Flight Path

- ➔ 01, 18/01/2022
- ➔ 02, 20/01/2022

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Project Title:
Ballycar WF Bird Surveys

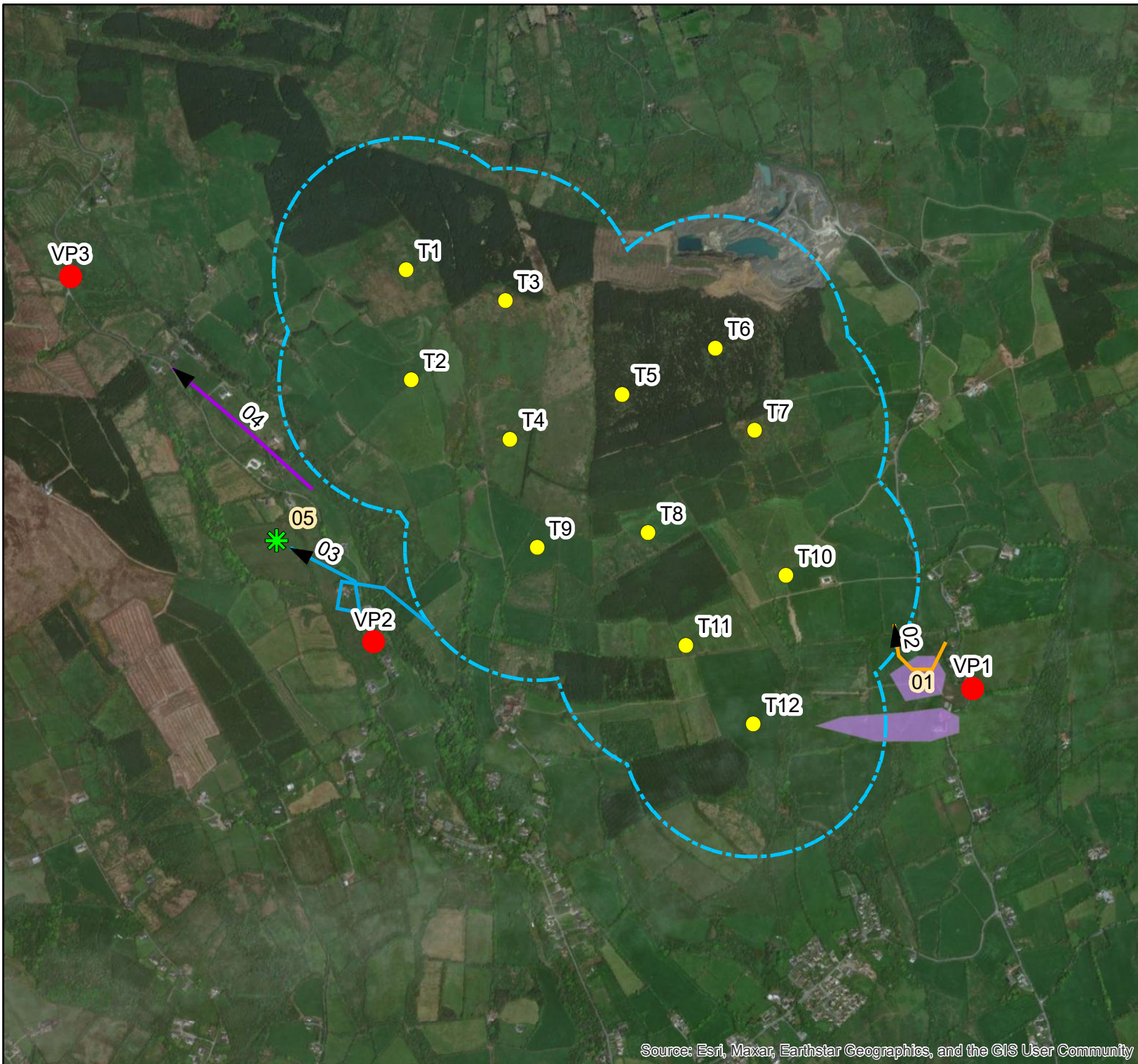
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2021 - 2022
Map 5-1 Hen Harrier

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Activity

- 01, 21/10/2021

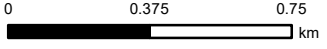
Kestrel Flight Path

- ▶ 02, 21/10/2021
- ▶ 03, 21/10/2021
- ▶ 04, 21/10/2021

Kestrel Perched

- ✱ 05, 21/10/2021

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Ballycar WF Bird Surveys

Client: Ballycar Green Energy

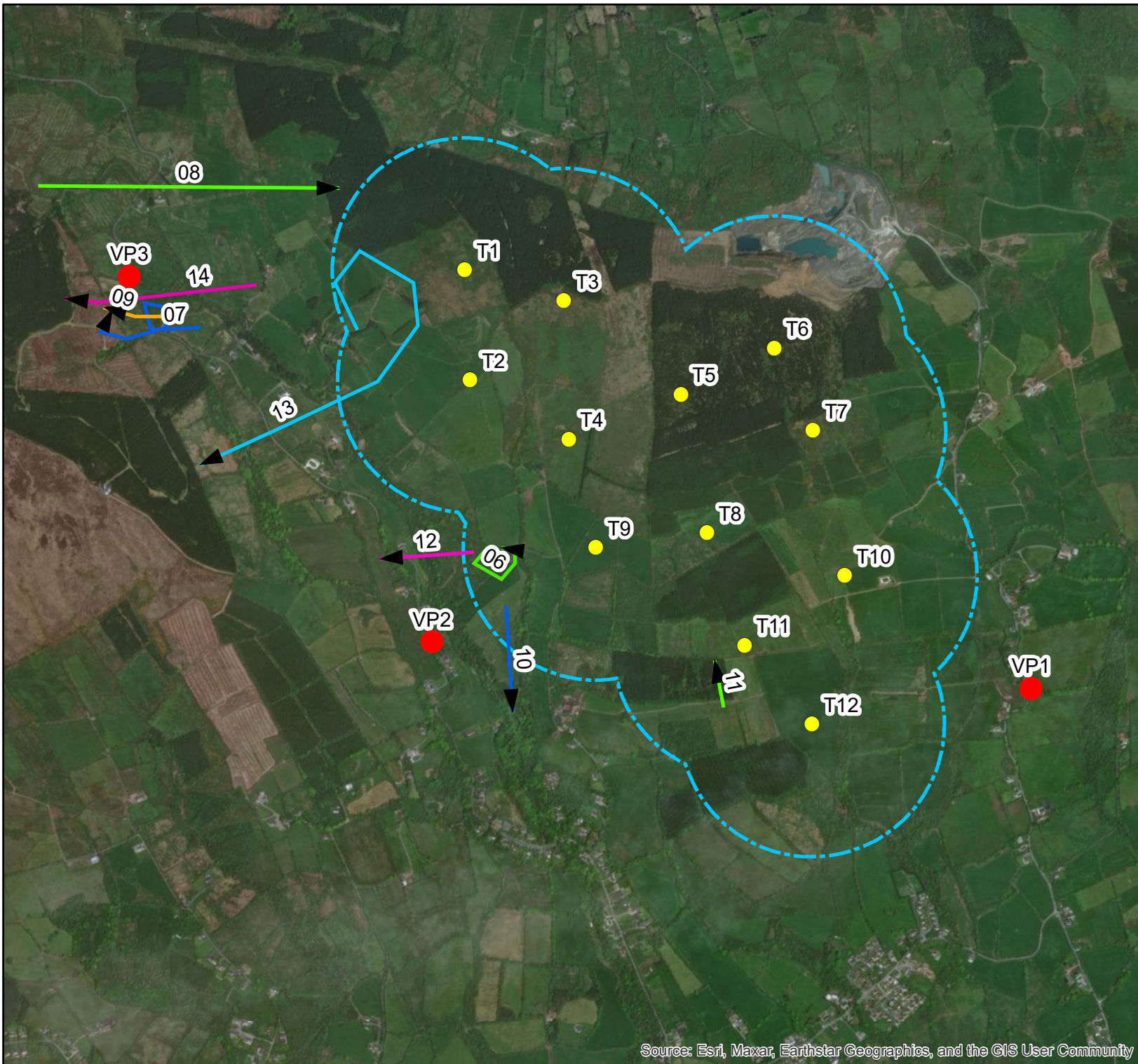
Drawing Title:
Winter Bird Survey 2021 - 2022
Map 5-1 Kestrel

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



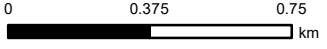
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 06, 21/10/2021
- ▶ 07, 22/10/2021
- ▶ 08, 22/10/2021
- ▶ 09, 12/11/2021
- ▶ 10, 19/11/2021
- ▶ 11, 21/01/2022
- ▶ 12, 09/02/2022
- ▶ 13, 09/02/2022
- ▶ 14, 17/02/2022

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Project Title:
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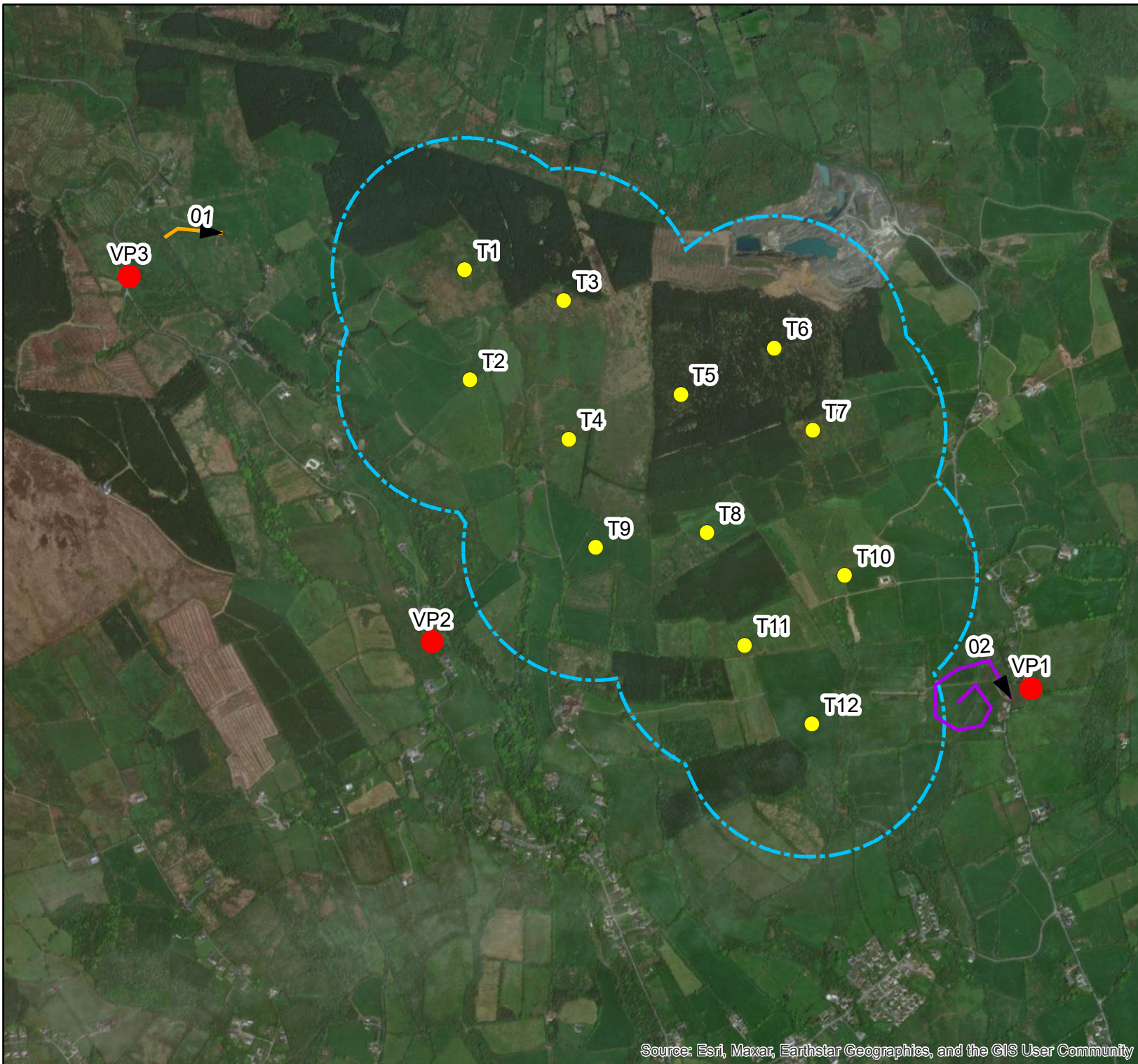
Client: Ballycar Green Energy

Drawing Title:
Winter Bird Survey 2021 - 2022
Map 5-2 Kestrel

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





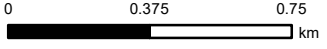
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Snipe Flight Path

- ▶ 01, 12/11/2021
- ▶ 02, 21/01/2022

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Ballycar WF Bird Surveys

Client: Ballycar Green Energy

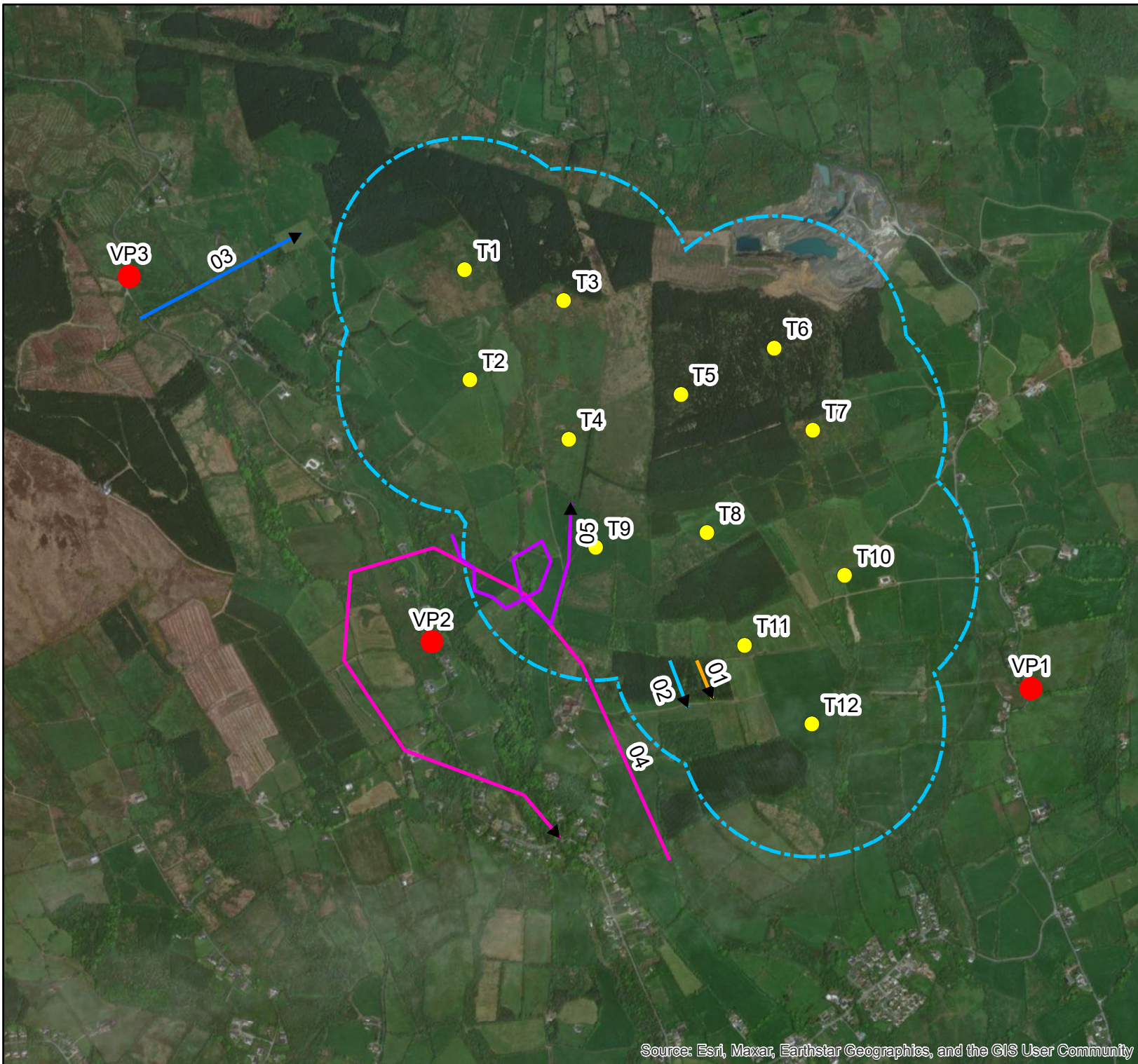
Drawing Title:
Winter Bird Survey 2021 - 2022
Map 6-1 Snipe

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



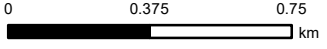
Legend

- Turbine Locations
- Vantage Point Location
- 500m Turbine Buffer

Sparrowhawk Flight Path

- 01, 18/01/2022
- 02, 18/01/2022
- 03, 20/01/2022
- 04, 21/01/2022
- 05, 14/03/2022

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Ballycar WF Bird Surveys

Client: Ballycar Green Energy

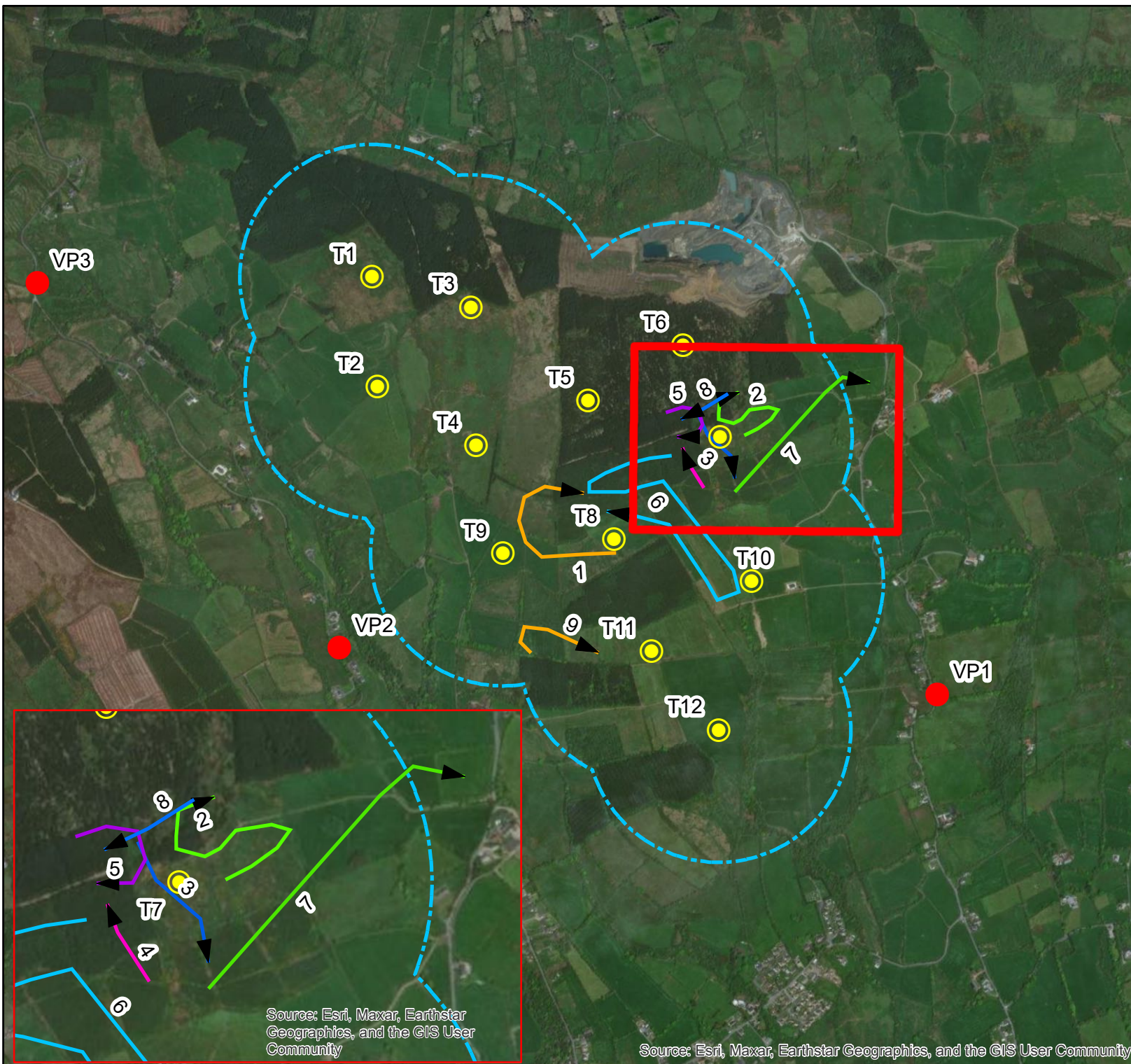
Drawing Title:
Winter Bird Survey 2021 - 2022
Map 7-1 Sparrowhawk

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



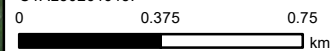
Legend

- Turbine Locations
- Vantage Point Locations

Buzzard Flight Path

- ▶ 1, 20/04/2022
- ▶ 2, 20/04/2022
- ▶ 3, 20/04/2022
- ▶ 4, 20/04/2022
- ▶ 5, 20/04/2022
- ▶ 6, 20/04/2022
- ▶ 7, 20/04/2022
- ▶ 8, 20/04/2022
- ▶ 9, 20/04/2022
- 500m Turbine Buffer

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Project Title:
21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 1-1 Buzzard

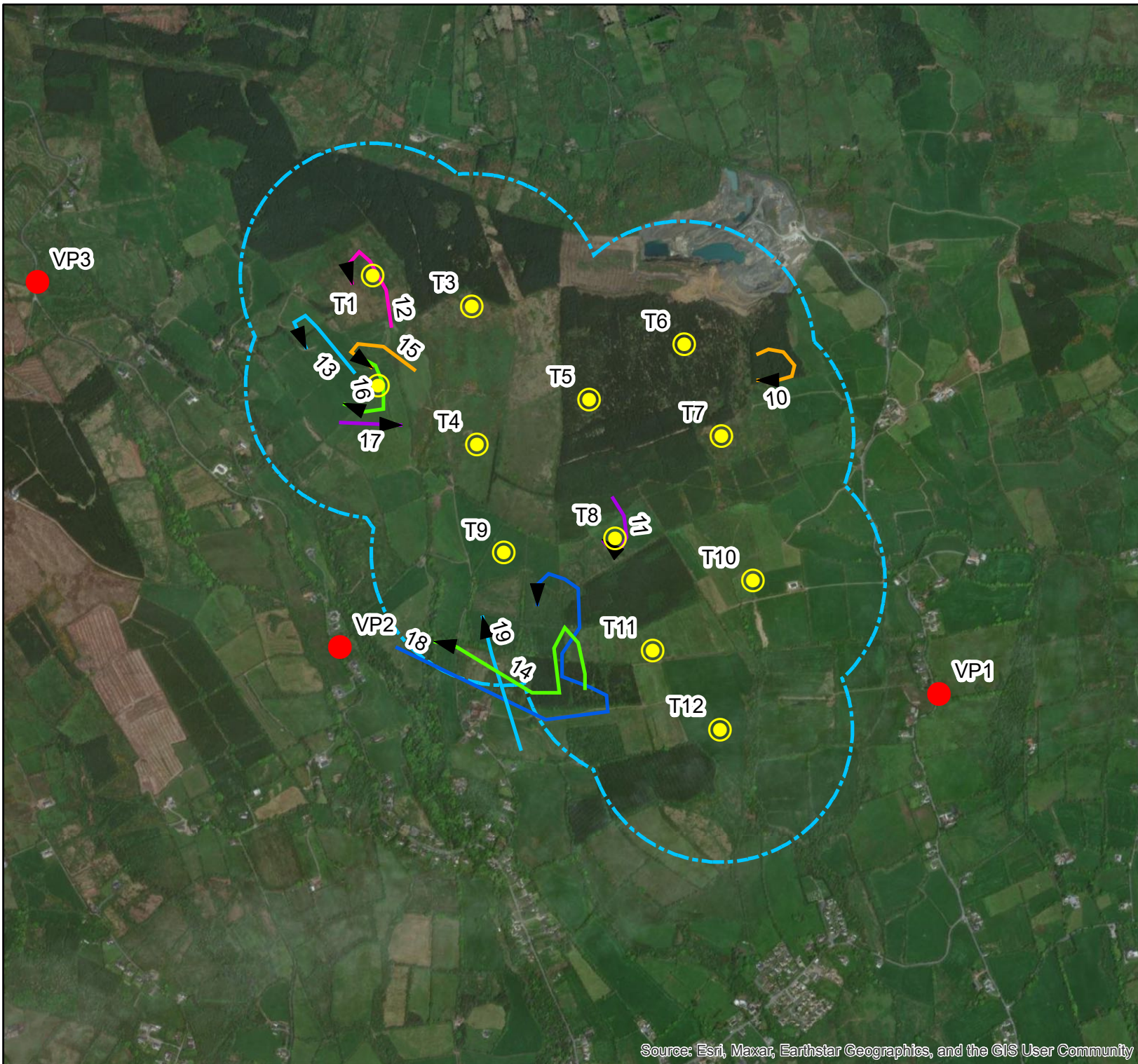
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Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



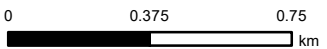
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 10, 20/04/2022
- ▶ 11, 20/04/2022
- ▶ 12, 20/04/2022
- ▶ 13, 20/04/2022
- ▶ 14, 20/04/2022
- ▶ 15, 20/04/2022
- ▶ 16, 20/04/2022
- ▶ 17, 20/04/2022
- ▶ 18, 20/04/2022
- ▶ 19, 20/04/2022

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Project Title:
21041 - Ballycar WF Bird Surveys

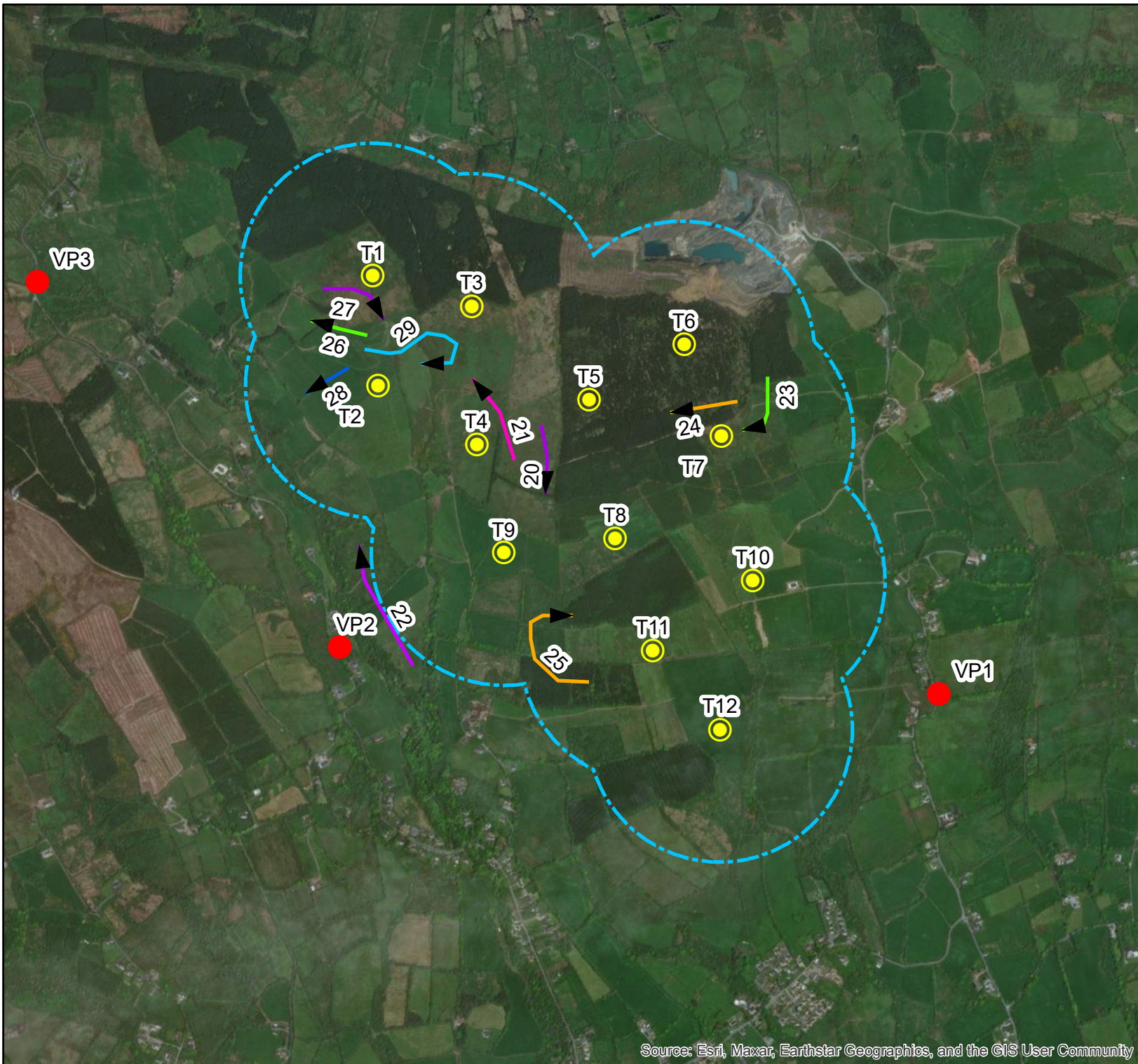
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 1-2 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





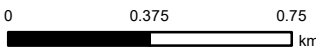
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 20, 22/04/2022
- ▶ 21, 22/04/2022
- ▶ 22, 22/04/2022
- ▶ 23, 22/04/2022
- ▶ 24, 22/04/2022
- ▶ 25, 26/04/2022
- ▶ 26, 25/05/2022
- ▶ 27, 25/05/2022
- ▶ 28, 25/05/2022
- ▶ 29, 25/05/2022

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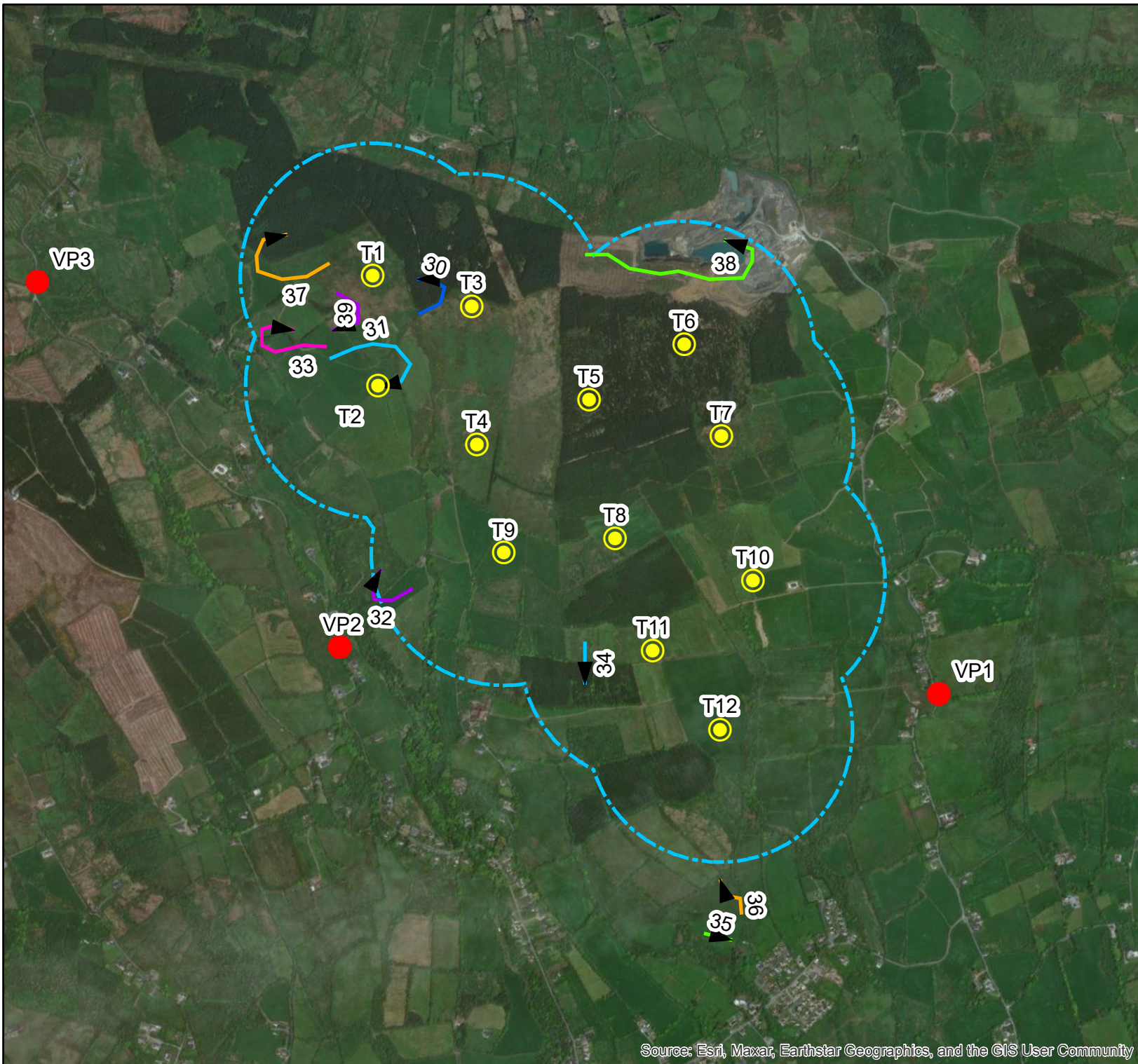
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 1-3 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





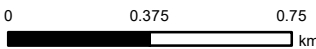
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 30, 25/05/2022
- ▶ 31, 25/05/2022
- ▶ 32, 25/05/2022
- ▶ 33, 25/05/2022
- ▶ 34, 26/05/2022
- ▶ 35, 26/05/2022
- ▶ 36, 26/05/2022
- ▶ 37, 15/06/2022
- ▶ 38, 27/06/2022
- ▶ 39, 11/07/2022

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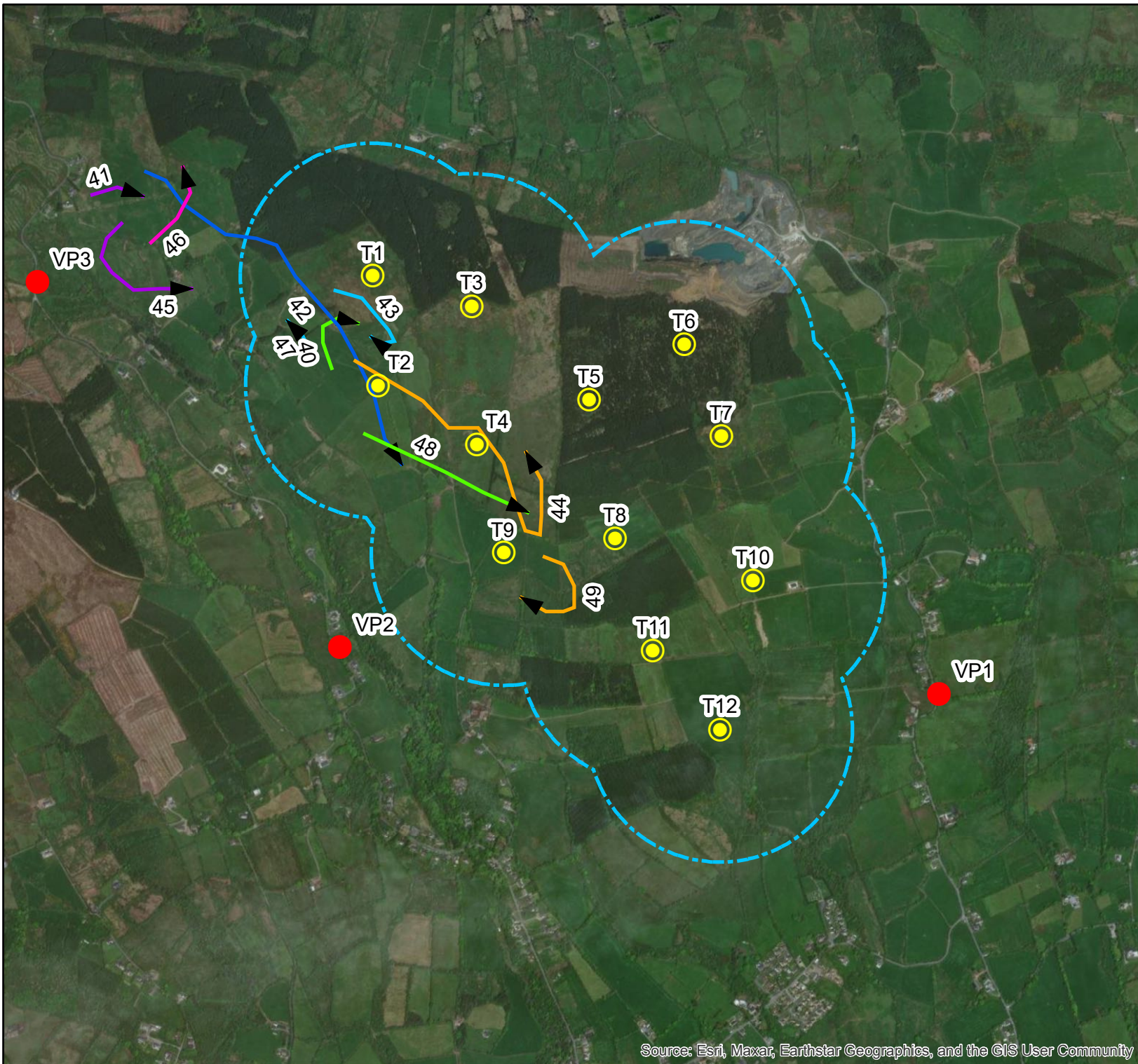
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 1-4 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 40, 11/07/2022
- ▶ 41, 11/07/2022
- ▶ 42, 11/07/2022
- ▶ 43, 11/07/2022
- ▶ 44, 11/07/2022 Buzzard x 3
- ▶ 45, 11/07/2022
- ▶ 46, 11/07/2022
- ▶ 47, 11/07/2022
- ▶ 48, 11/07/2022
- ▶ 49, 11/07/2022

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0 0.375 0.75 km

Project Title:
 21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

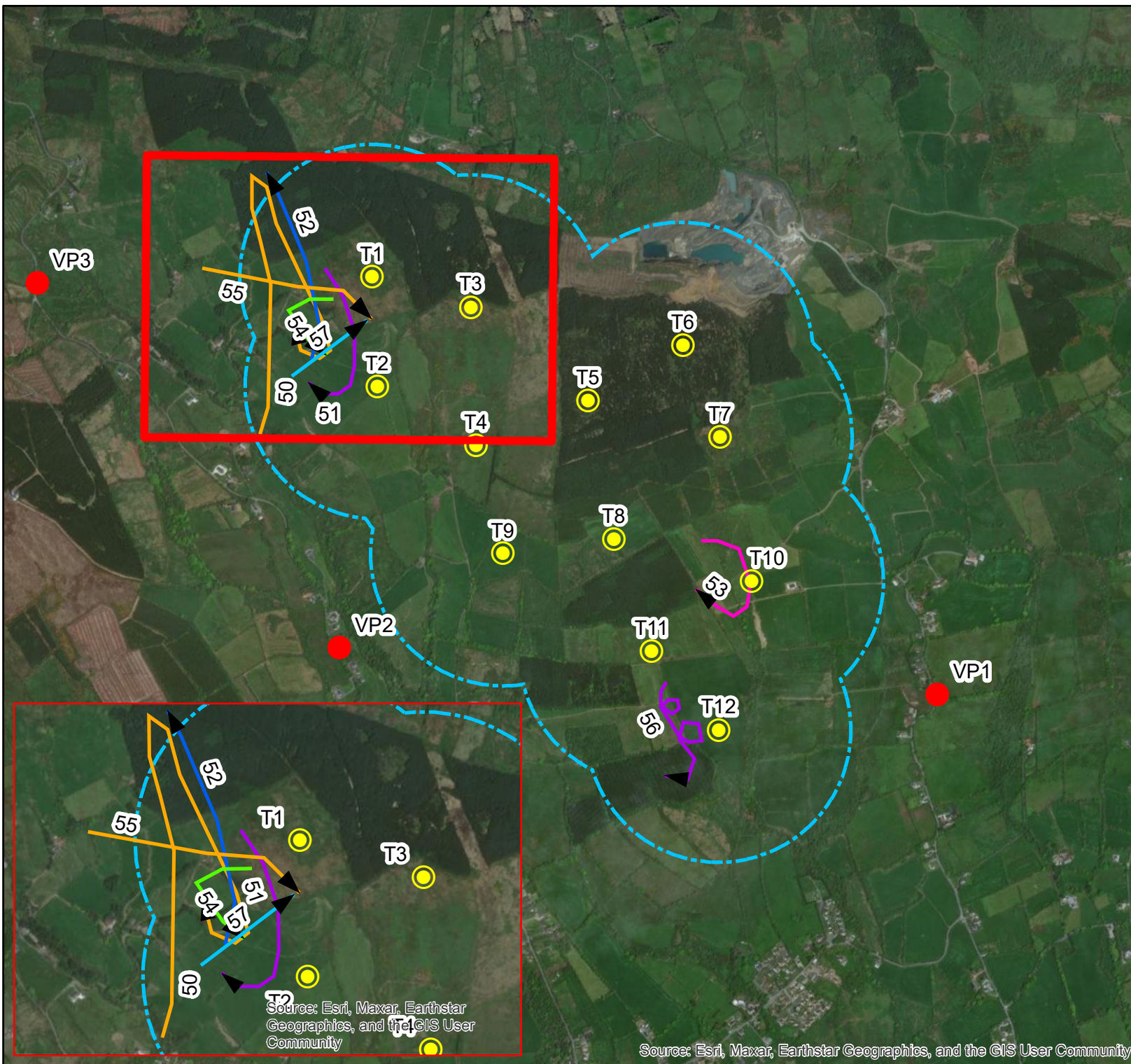
Drawing Title:
 Summer Bird Survey 2022
 Map 1-5 Buzzard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 50, 13/07/2022
- ▶ 51, 13/07/2022
- ▶ 52, 13/07/2022 Buzzard x 2
- ▶ 53, 13/07/2022
- ▶ 54, 19/08/2022
- ▶ 55, 19/08/2022
- ▶ 56, 22/08/2022
- ▶ 57, 24/08/2022

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0 0.375 0.75 km

Project Title:
 21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
 Summer Bird Survey 2022
 Map 1-6 Buzzard

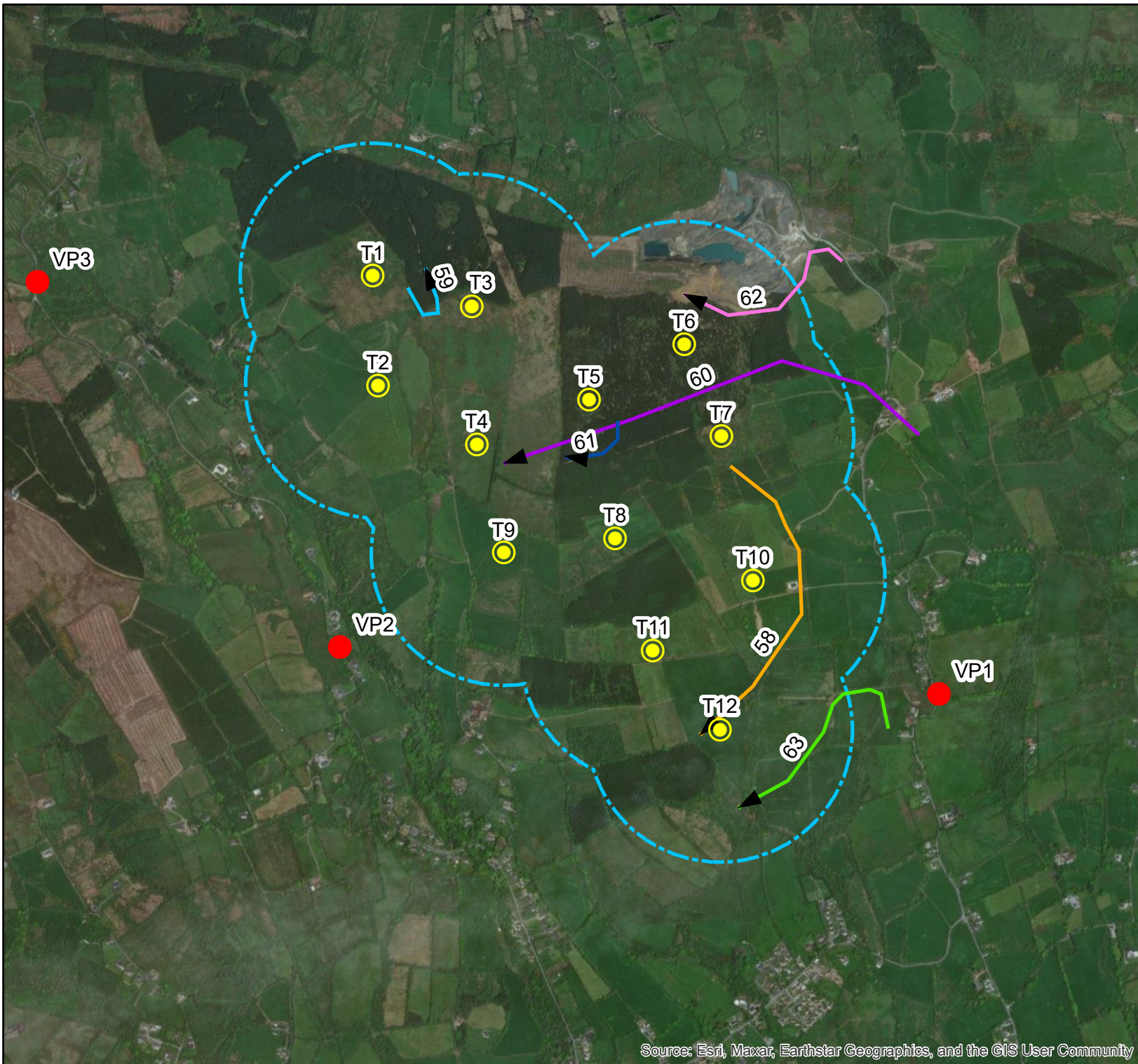
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Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



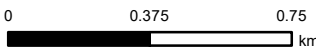
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Buzzard Flight Path

- ▶ 58, 06/09/2022
- ▶ 59, 06/09/2022
- ▶ 60, 06/09/2022
- ▶ 61, 06/09/2022
- ▶ 62, 06/09/2022
- ▶ 63, 06/09/2022

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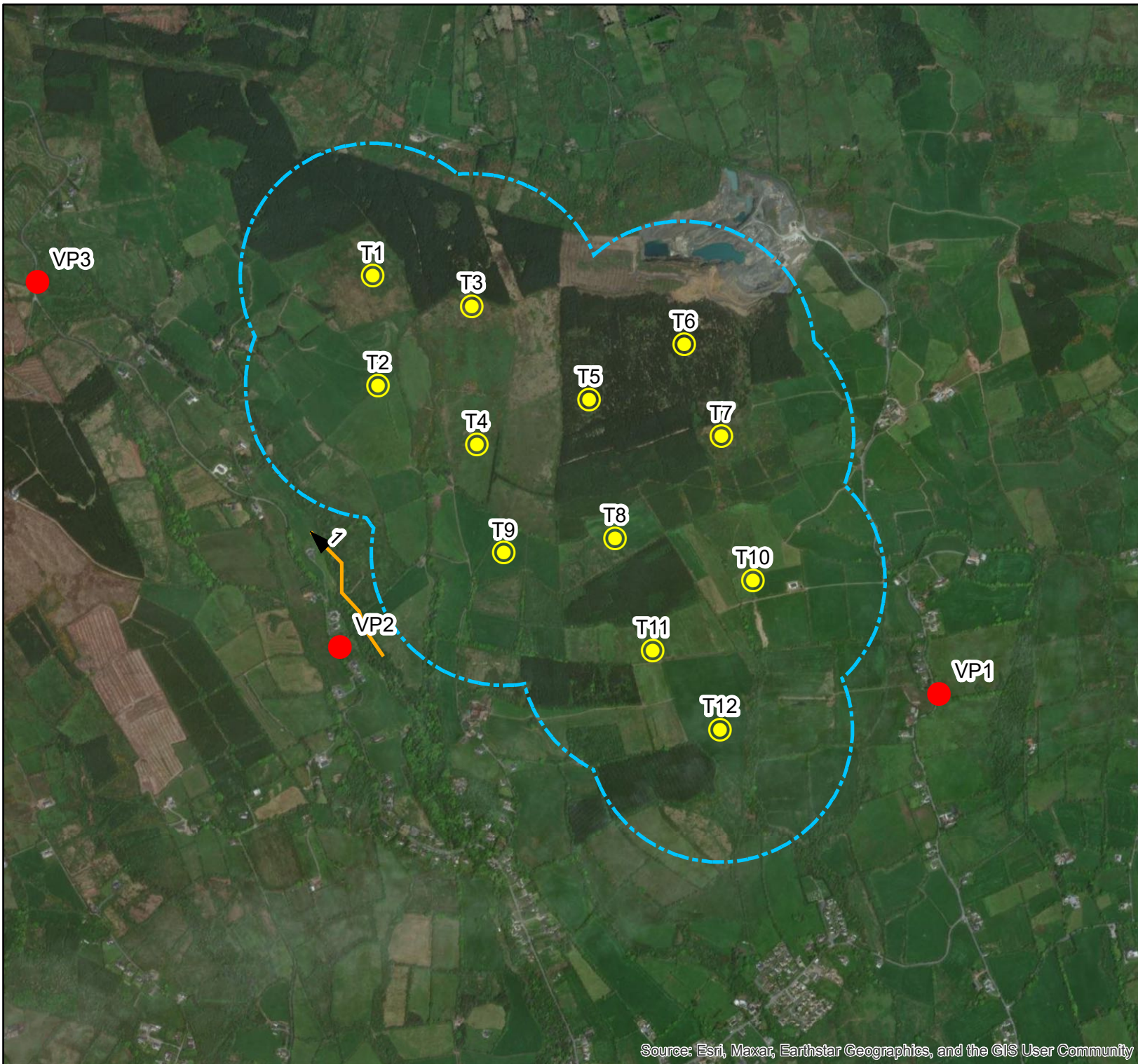
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 1-7 Buzzard

Drawn: VH Checked: SK

Date: 25/09/2023 Scale (A4): 1:20,000





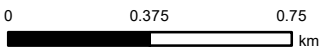
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Grey Heron Flight Path

▶ 1, 30/05/2022

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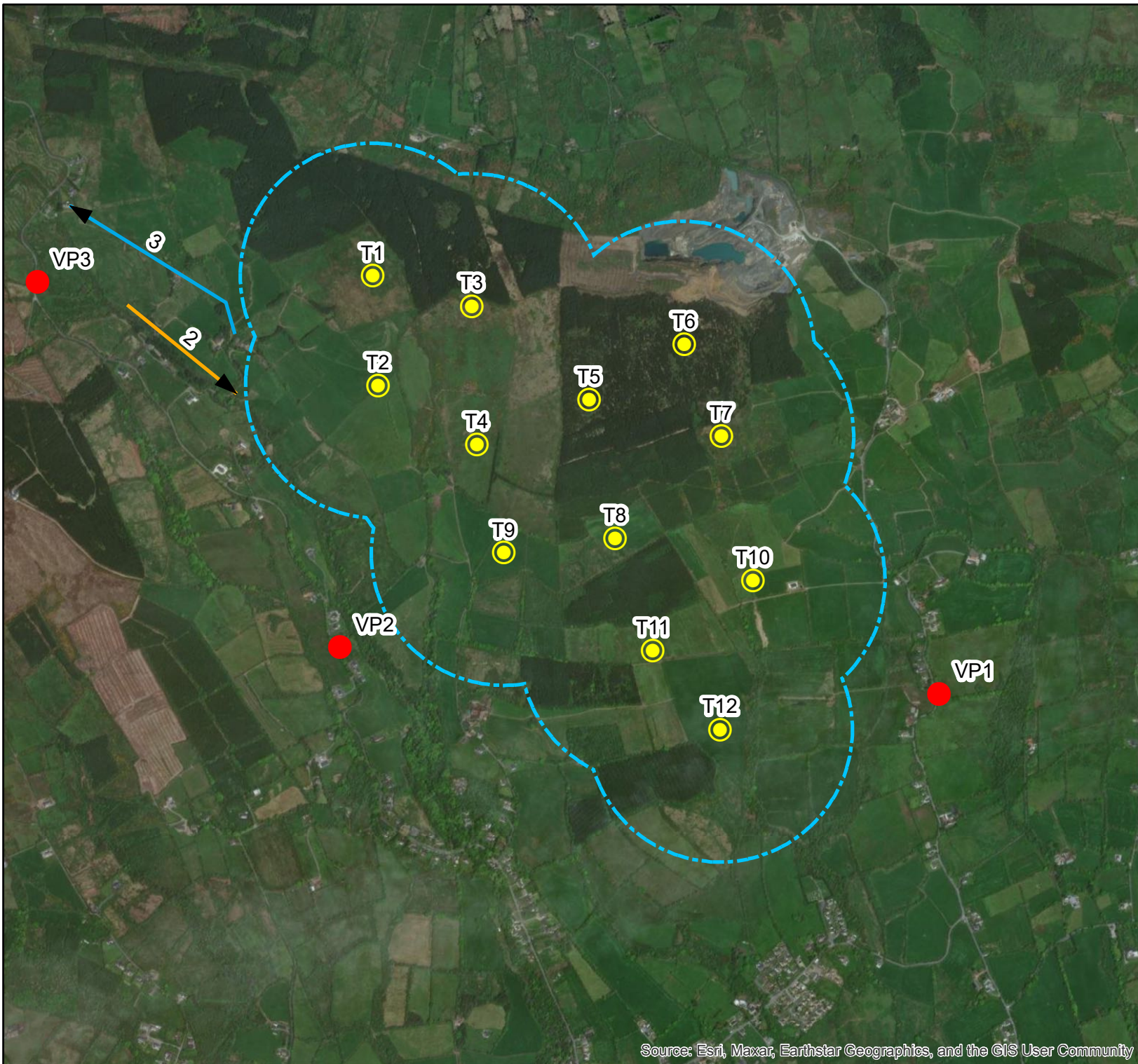
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 2-1 Grey Heron

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





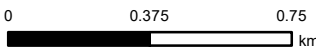
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Grey Heron Flight Path

- ▶ 2, 06/09/2022
- ▶ 3, 06/09/2022

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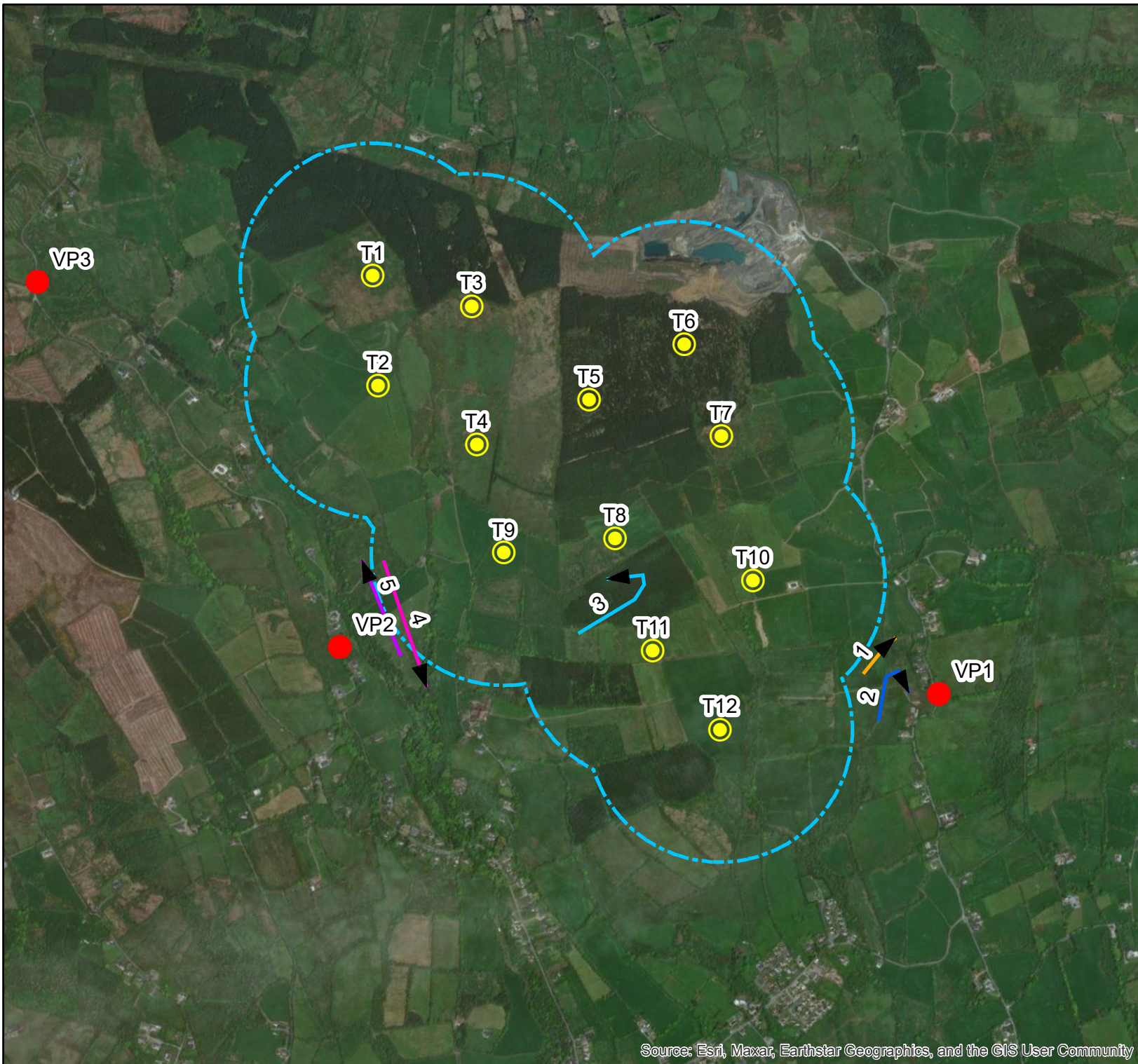
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 2-2 Grey Heron

Drawn: VH Checked: SK

Date: 25/09/2023 Scale (A4): 1:20,000





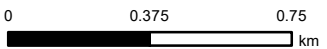
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Grey Wagtail Flight Path

- ▶ 1, 22/04/2022 Grey Wagtail x 2
- ▶ 2, 22/04/2022
- ▶ 3, 26/05/2022
- ▶ 4, 15/06/2022
- ▶ 5, 15/06/2022

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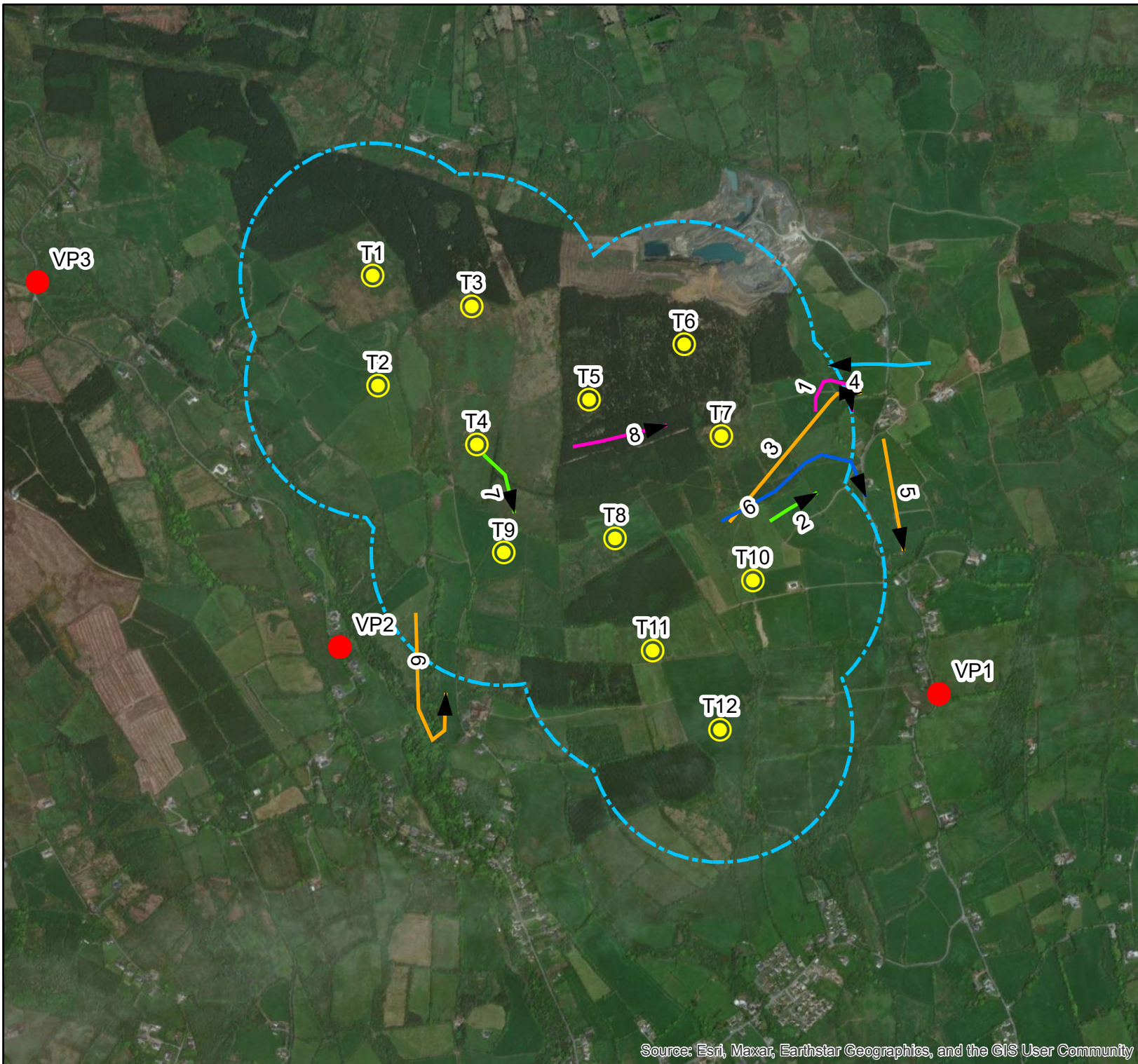
Project Title:
21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 3-1 Grey Wagtail

Drawn: VH	Checked: SK
Date: 12/09/2023	Scale (A4): 1:20,000





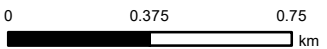
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 1, 20/04/2022
- ▶ 2, 20/04/2022
- ▶ 3, 20/04/2022
- ▶ 4, 20/04/2022
- ▶ 5, 20/04/2022
- ▶ 6, 20/04/2022
- ▶ 7, 20/04/2022
- ▶ 8, 20/04/2022
- ▶ 9, 20/04/2022

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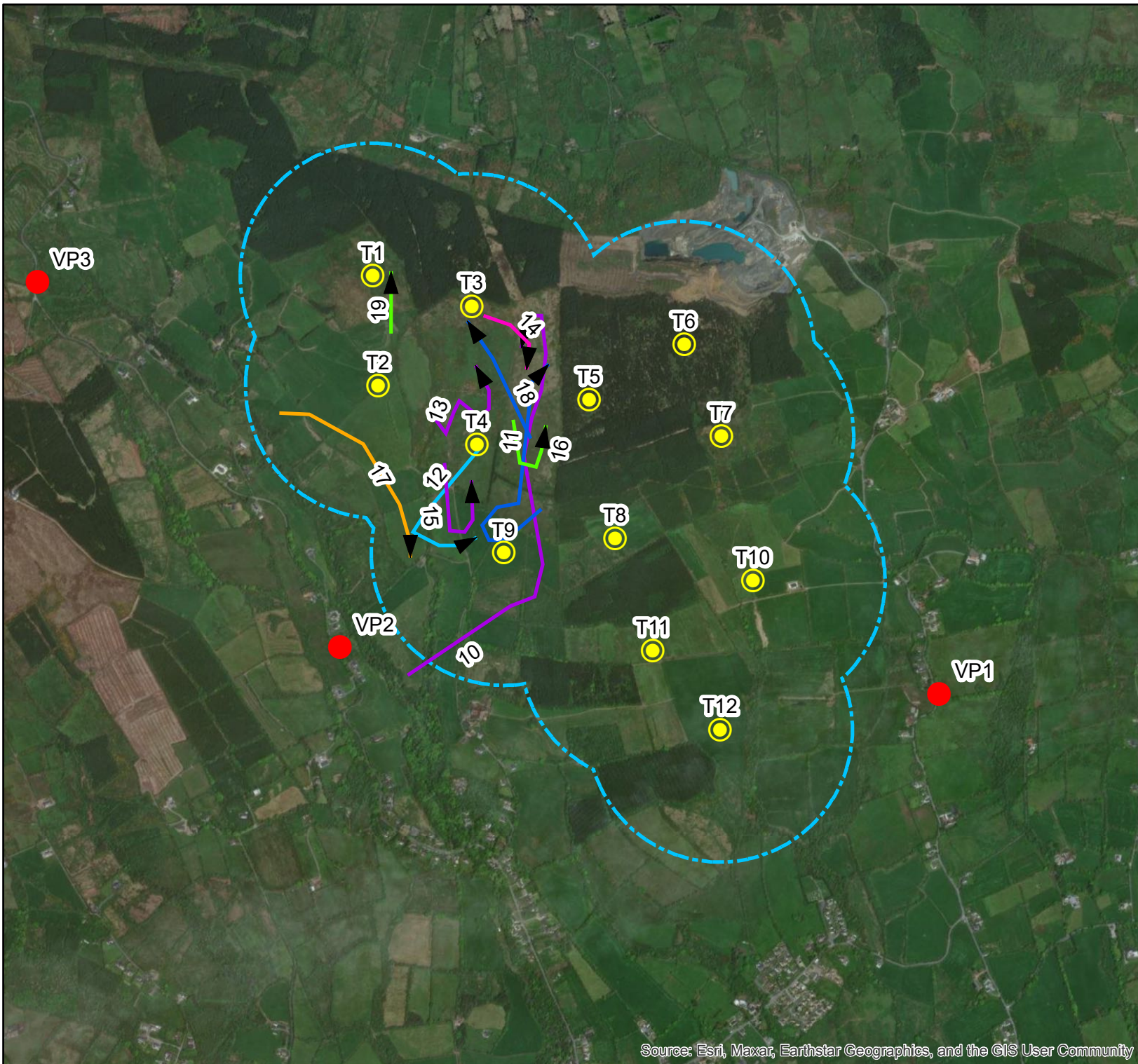
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 4-1 Kestrel

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 10, 20/04/2022
- ▶ 11, 25/05/2022
- ▶ 12, 25/05/2022
- ▶ 13, 25/05/2022
- ▶ 14, 25/05/2022
- ▶ 15, 25/05/2022
- ▶ 16, 25/05/2022
- ▶ 17, 25/05/2022
- ▶ 18, 15/06/2022
- ▶ 19, 11/07/2022

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0 0.375 0.75 km

Project Title:
 21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

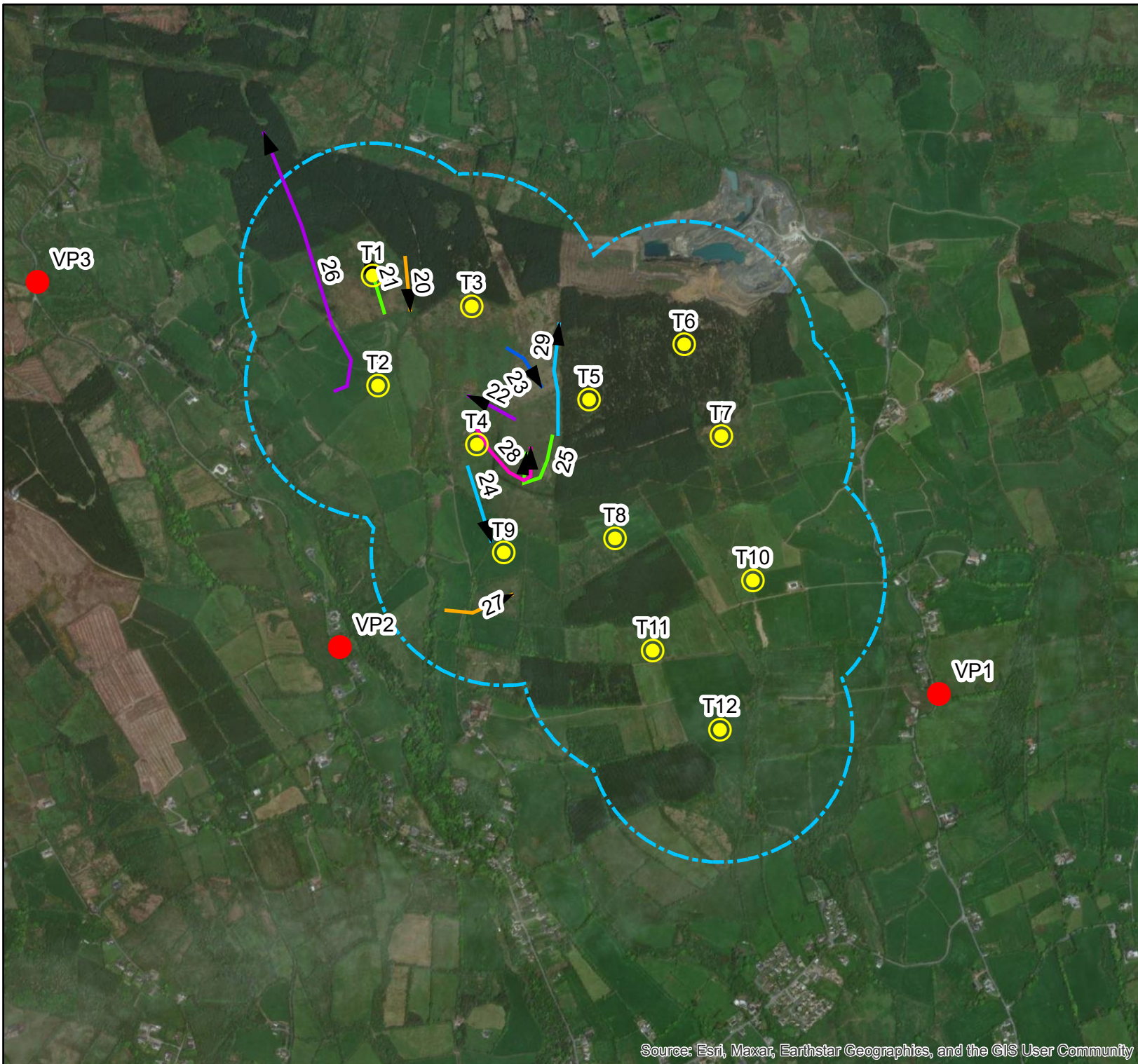
Drawing Title:
 Summer Bird Survey 2022
 Map 4-2 Kestrel

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



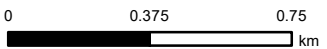
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 20, 11/07/2022
- ▶ 21, 11/07/2022
- ▶ 22, 11/07/2022
- ▶ 23, 11/07/2022
- ▶ 24, 11/07/2022
- ▶ 25, 11/07/2022 Kestrel x 2
- ▶ 26, 13/07/2022
- ▶ 27, 13/07/2022 Kestrel x 2
- ▶ 28, 13/07/2022
- ▶ 29, 13/07/2022

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Project Title:
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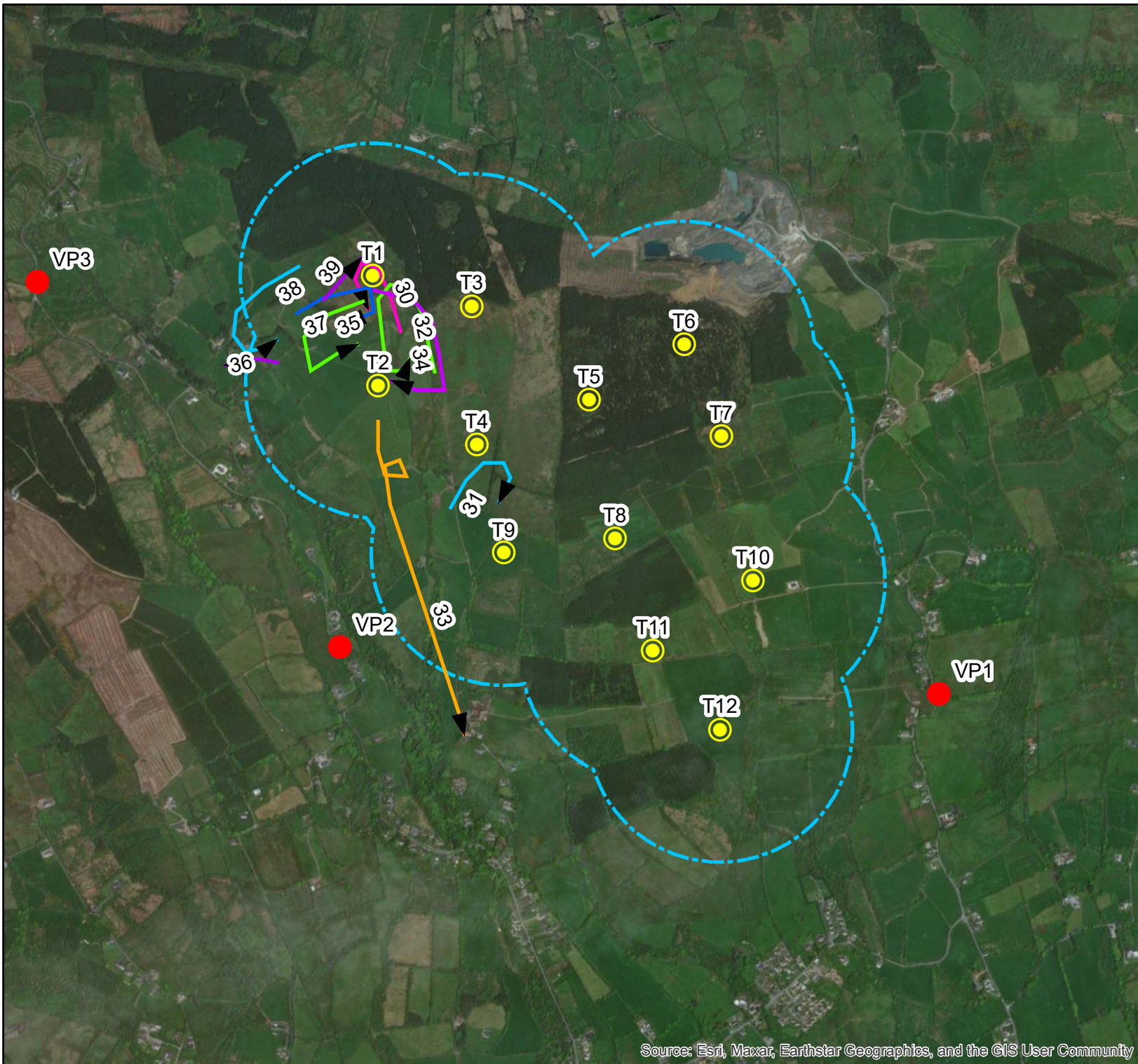
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 4-3 Kestrel

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





- Legend**
- Turbine Locations
 - Vantage Point Locations
 - 500m Turbine Buffer
- Kestrel Flight Path**
- ▶ 30, 13/07/2022
 - ▶ 31, 13/07/2022
 - ▶ 32, 13/07/2022
 - ▶ 33, 13/07/2022
 - ▶ 34, 19/08/2022
 - ▶ 35, 19/08/2022
 - ▶ 36, 19/08/2022
 - ▶ 37, 19/08/2022
 - ▶ 38, 19/08/2022
 - ▶ 39, 19/08/2022

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0 0.375 0.75 km

Project Title:
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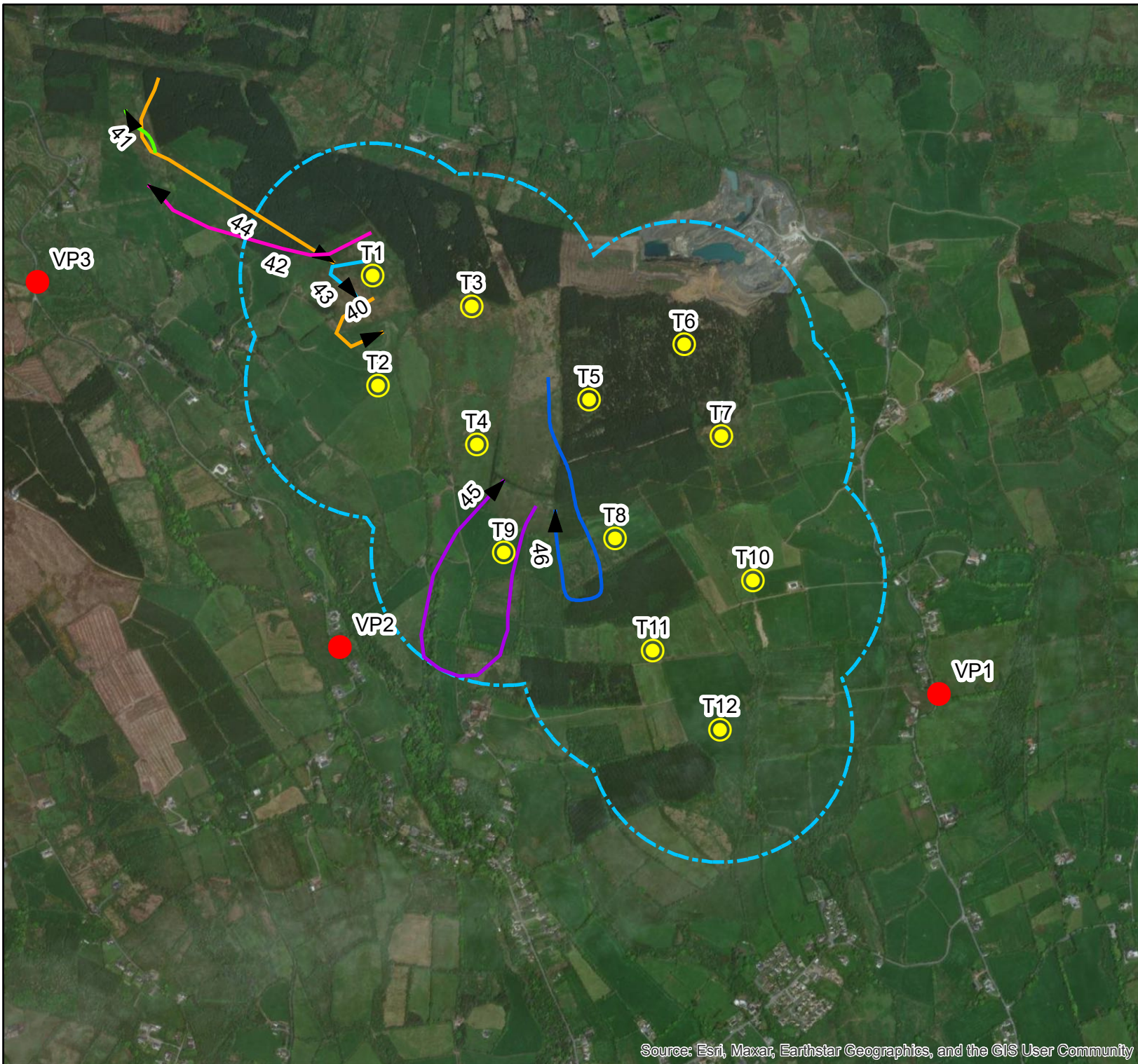
Client: Ballycar Green Energy

Drawing Title:
 Summer Bird Survey 2022
 Map 4-4 Kestrel

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 40, 19/08/2022
- ▶ 41, 19/08/2022
- ▶ 42, 19/08/2022
- ▶ 43, 19/08/2022
- ▶ 44, 24/08/2022
- ▶ 45, 24/08/2022
- ▶ 46, 24/08/2022

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0 0.375 0.75 km

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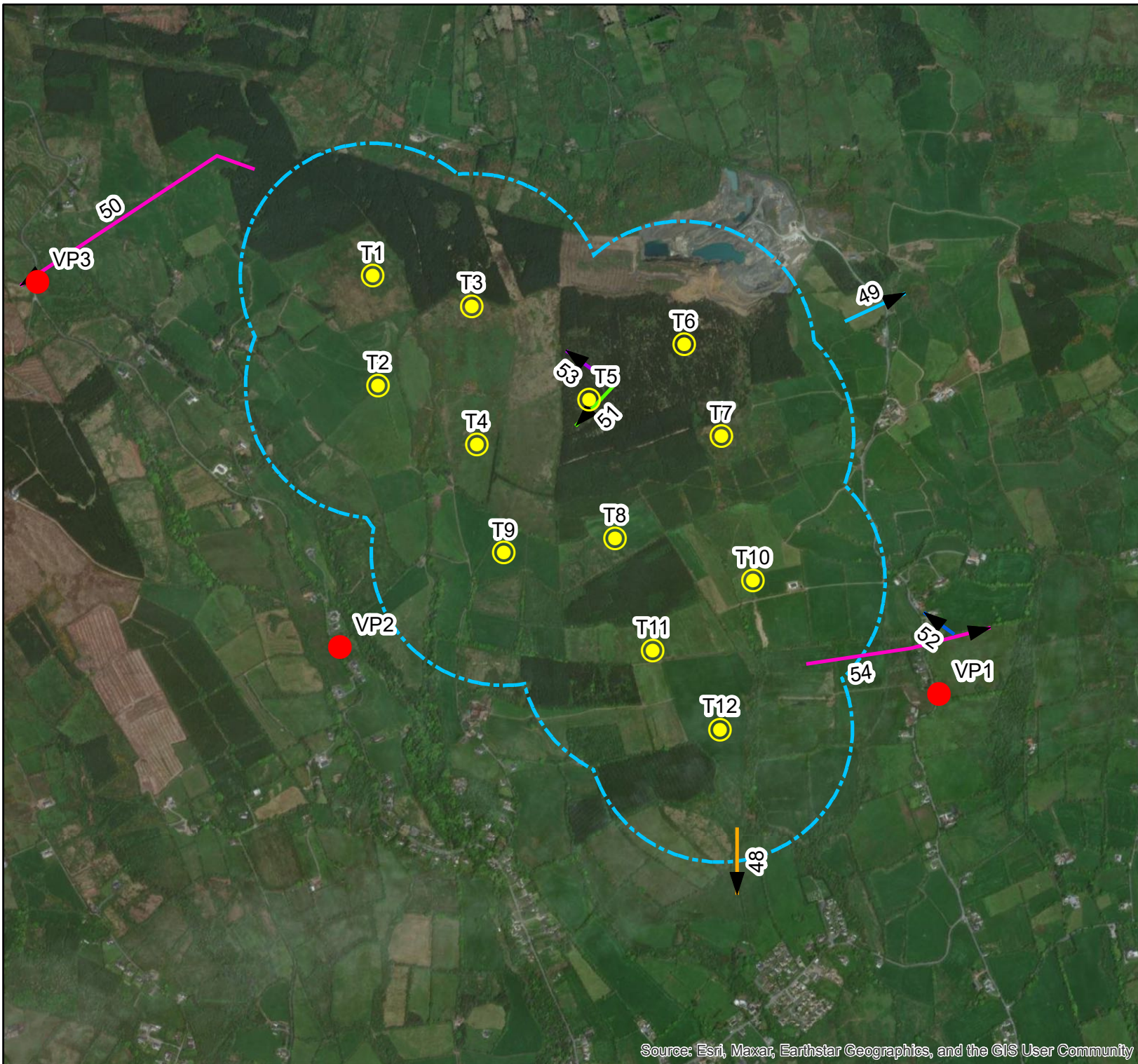
Drawing Title:
Summer Bird Survey 2022
Map 4-5 Kestrel

Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



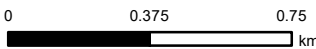
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Kestrel Flight Path

- ▶ 48, 06/09/2022
- ▶ 49, 06/09/2022
- ▶ 50, 06/09/2022
- ▶ 51, 06/09/2022
- ▶ 52, 06/09/2022
- ▶ 53, 06/09/2022
- ▶ 54, 06/09/2022

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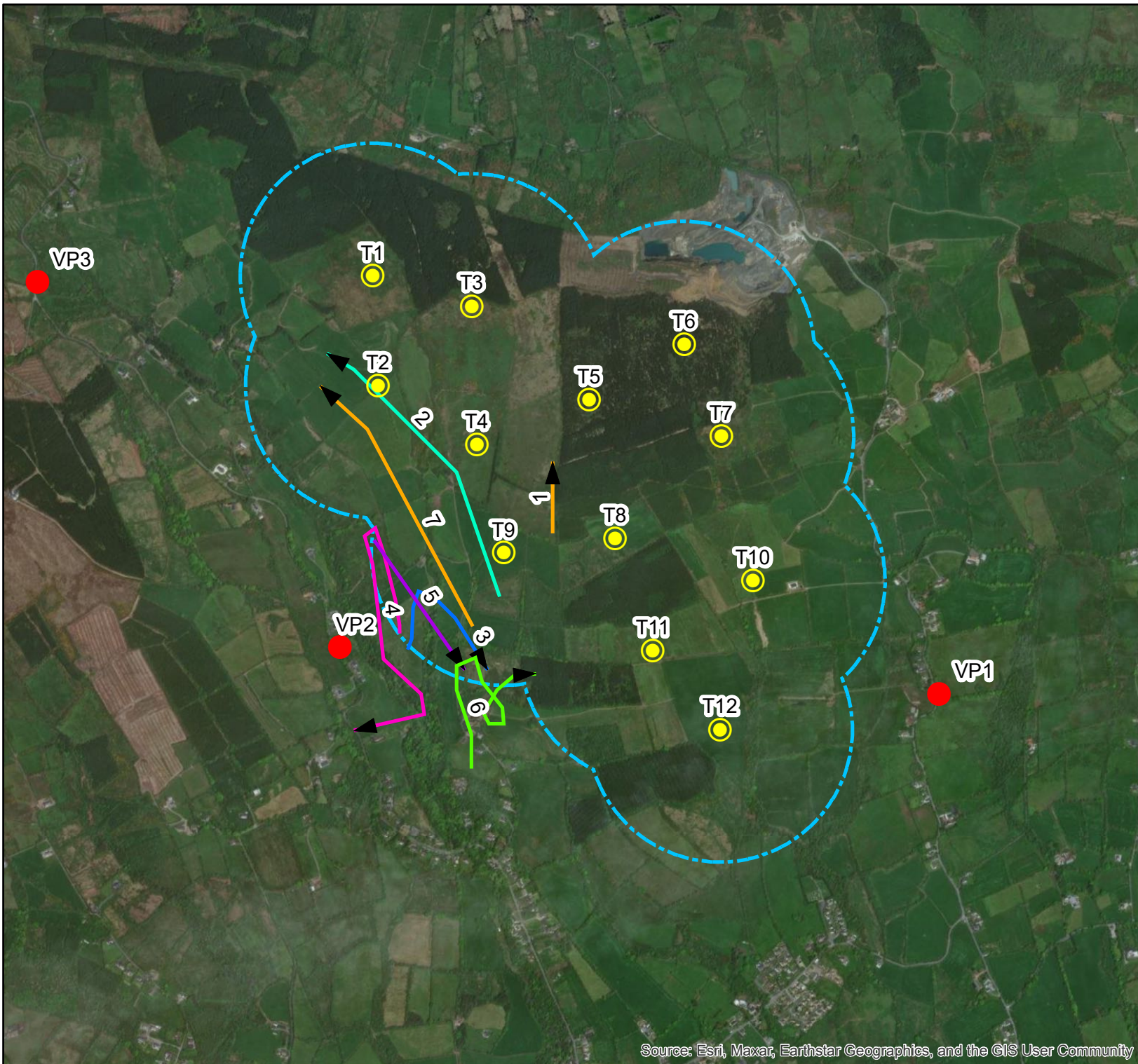
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21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 4-6 Kestrel

Drawn: VH	Checked: SK
Date: 25/09/2023	Scale (A4): 1:20,000





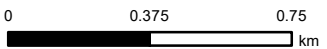
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Lesser Black-Backed Gull Flight Path

- ▶ 1, 26/05/2022 Lesser Black Backed Gull x 3
- ▶ 2, 26/05/2022
- ▶ 3, 14/06/2022
- ▶ 4, 14/06/2022
- ▶ 5, 11/07/2022
- ▶ 6, 13/07/2022
- ▶ 7, 19/08/2022

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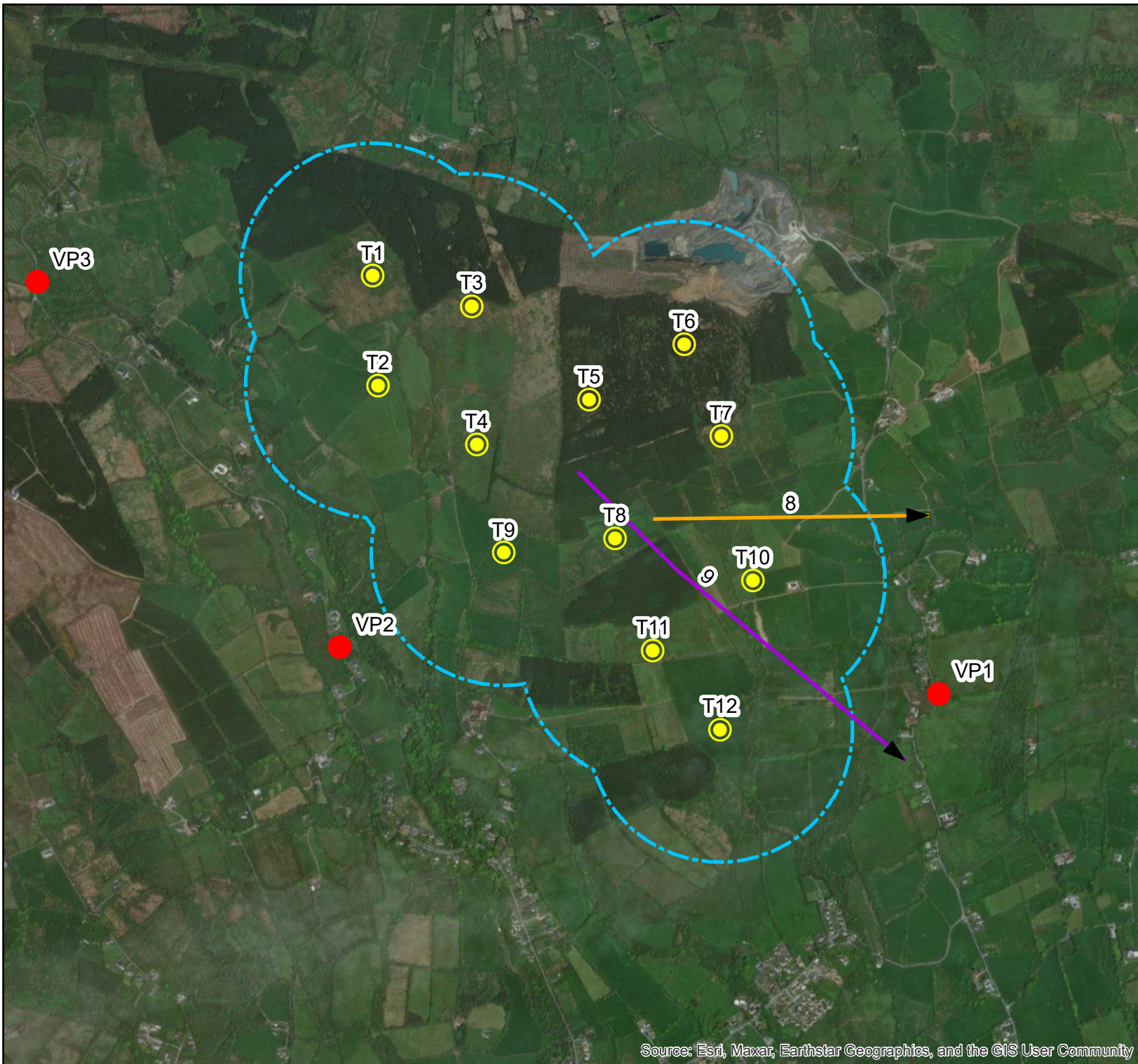
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 5-1 Lesser Black-Backed Gull

Drawn: VH	Checked: SK
Date: 12/09/2023	Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



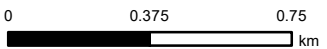
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Lesser Black-Backed Gull Flight Path

- 8, 06/09/2022
- 9, 06/09/2022

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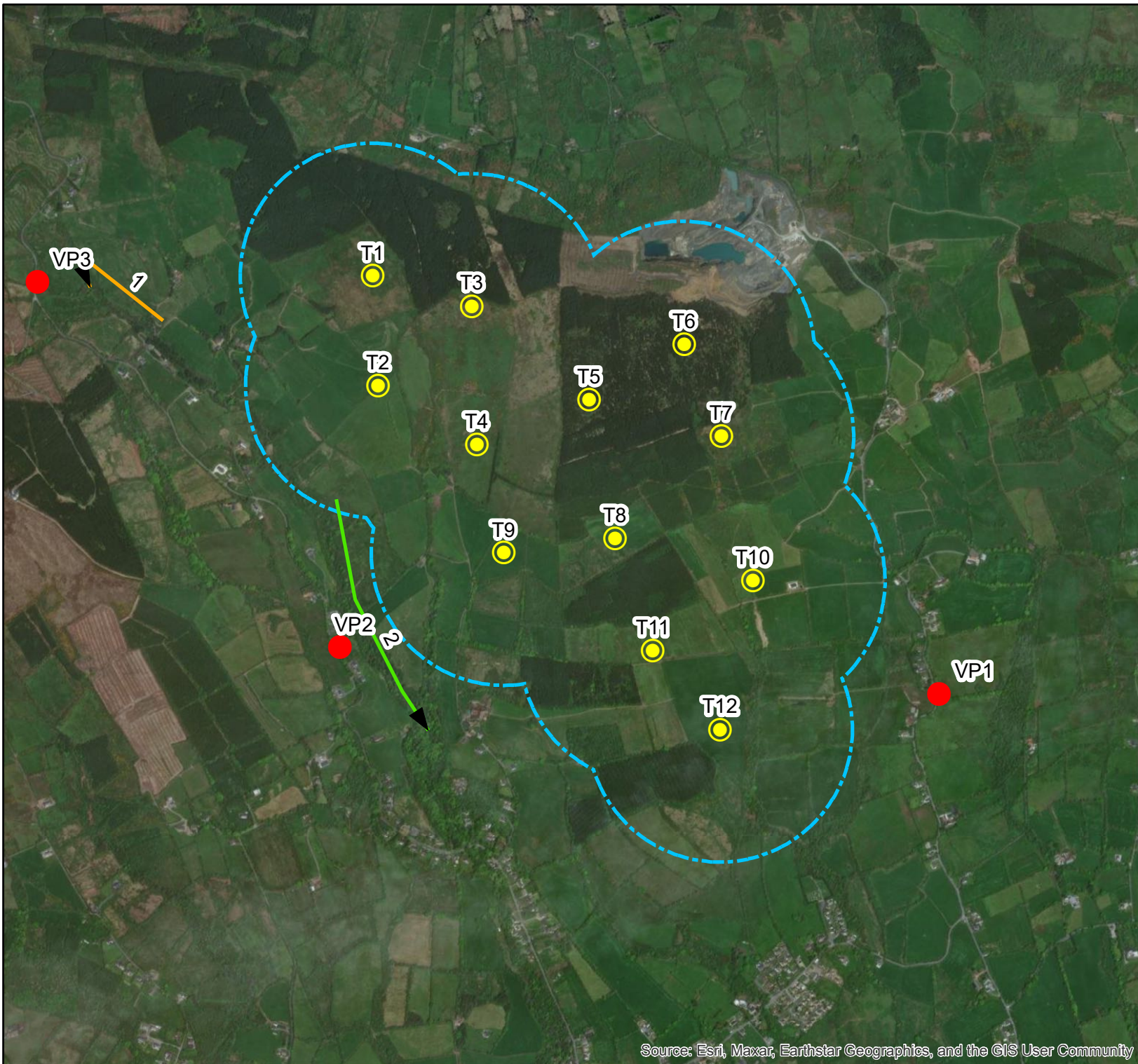
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 5-2 Lesser Black-Backed Gull

Drawn: VH	Checked: SK
Date: 25/09/2023	Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



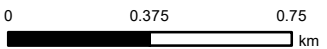
Legend

- Turbine Locations
- Vantage Point Locations
- - - 500m Turbine Buffer

Mallard Flight Path

- ▶ 1, 31/03/2022
- ▶ 2, 20/04/2022

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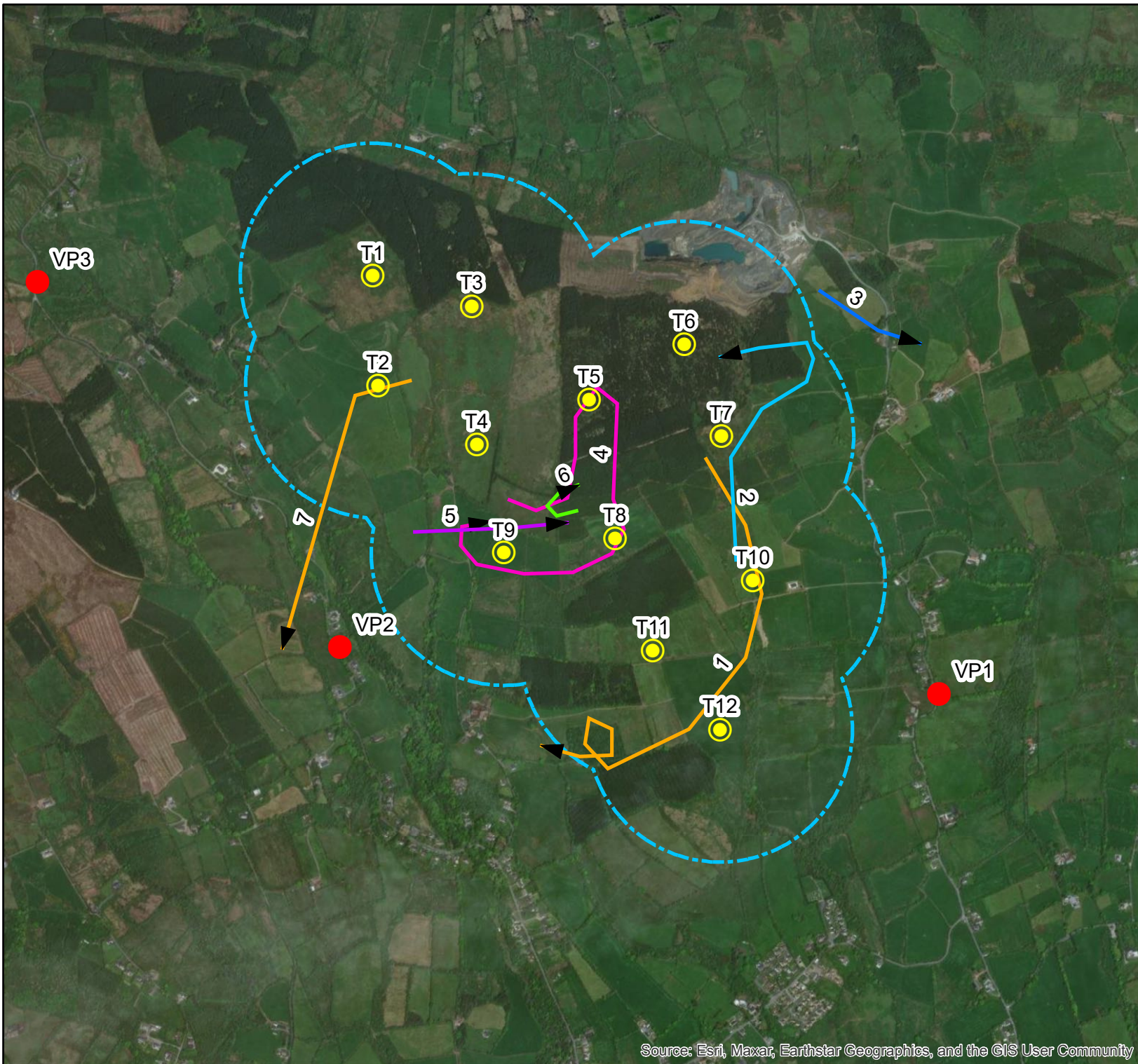
Drawing Title:
Summer Bird Survey 2022
Map 6-1 Mallard

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000



Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community



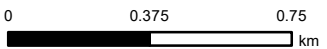
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Peregrine Flight Path

- ▶ 1, 20/04/2022
- ▶ 2, 22/04/2022
- ▶ 3, 25/05/2022
- ▶ 4, 25/05/2022 Peregrine X 2
- ▶ 5, 15/06/2022
- ▶ 6, 15/06/2022
- ▶ 7, 13/07/2022

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21041 - Ballycar WF Bird Surveys

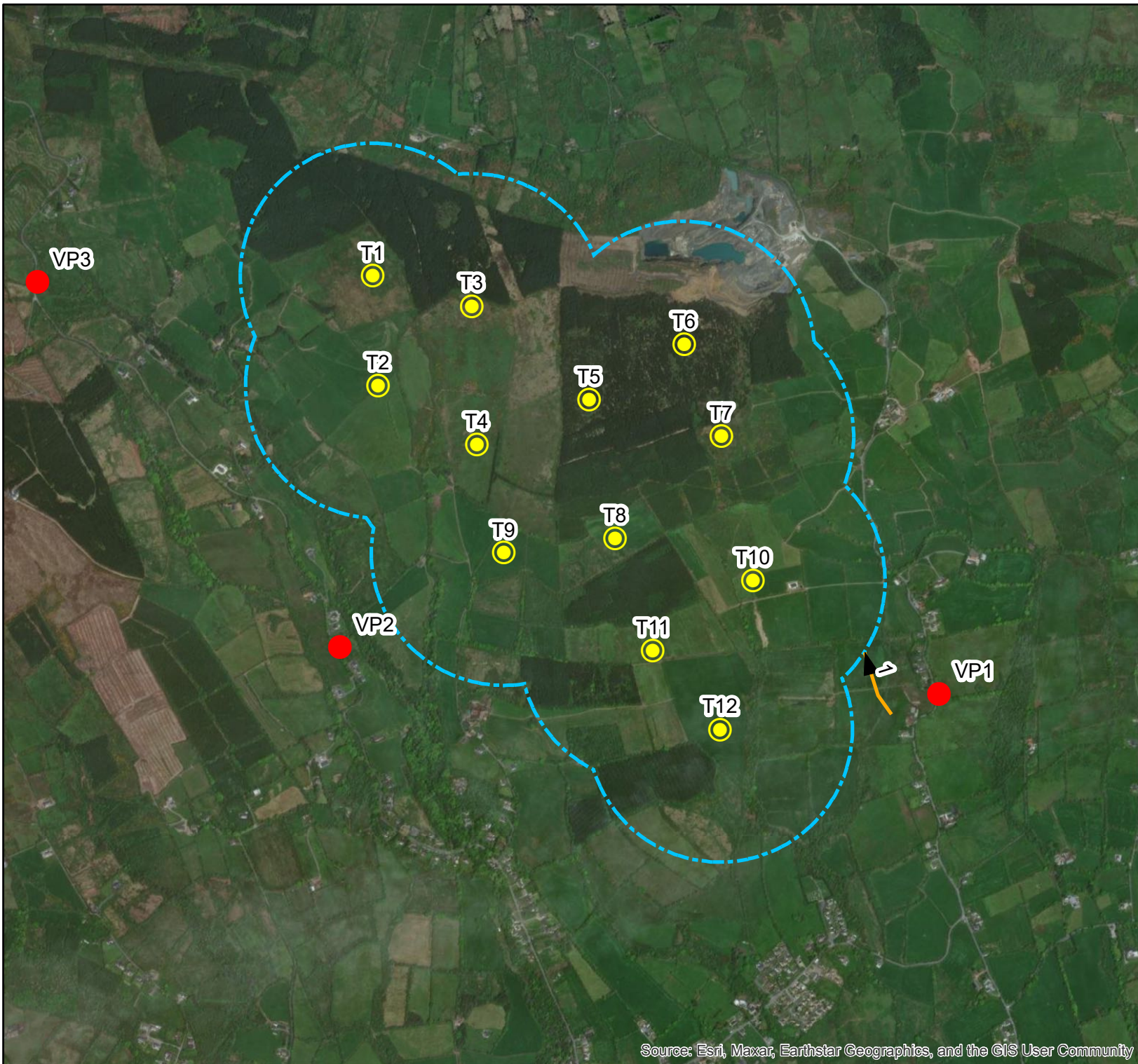
Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 7-1 Peregrine

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000





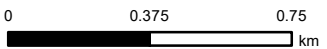
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Snipe Flight Path

- ▶ 1, 20/04/2022 Snipe x 3

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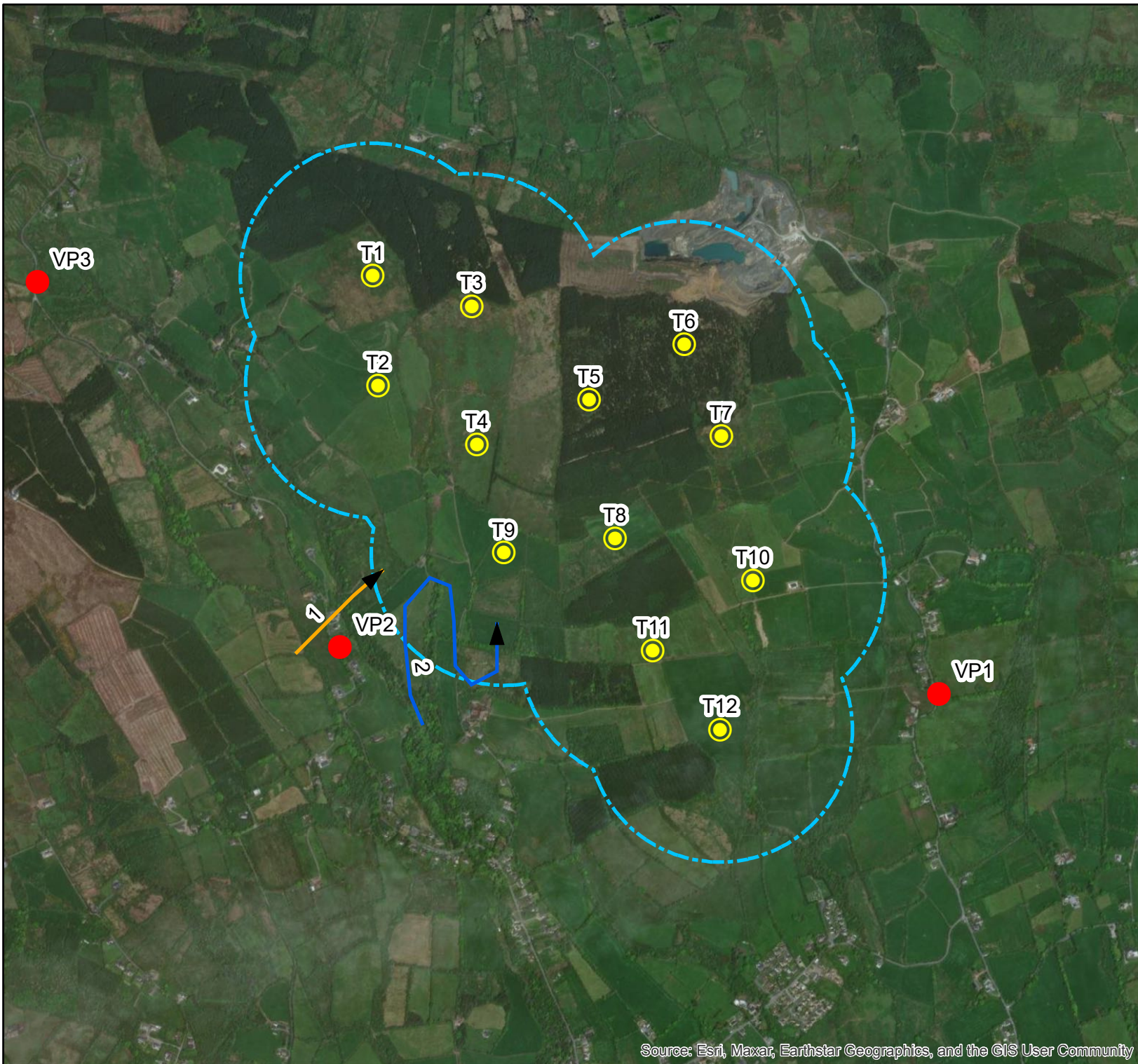
Project Title:
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Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 8-1 Snipe

Drawn: VH	Checked: SK
Date: 12/09/2023	Scale (A4): 1:20,000





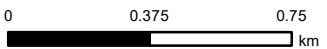
Legend

- Turbine Locations
- Vantage Point Locations
- 500m Turbine Buffer

Sparrowhawk Flight Path

- ▶ 1, 20/04/2022
- ▶ 2, 13/07/2022

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Client: Ballycar Green Energy

Drawing Title:
Summer Bird Survey 2022
Map 9-1 Sparrowhawk

Drawn: VH Checked: SK

Date: 12/09/2023 Scale (A4): 1:20,000

