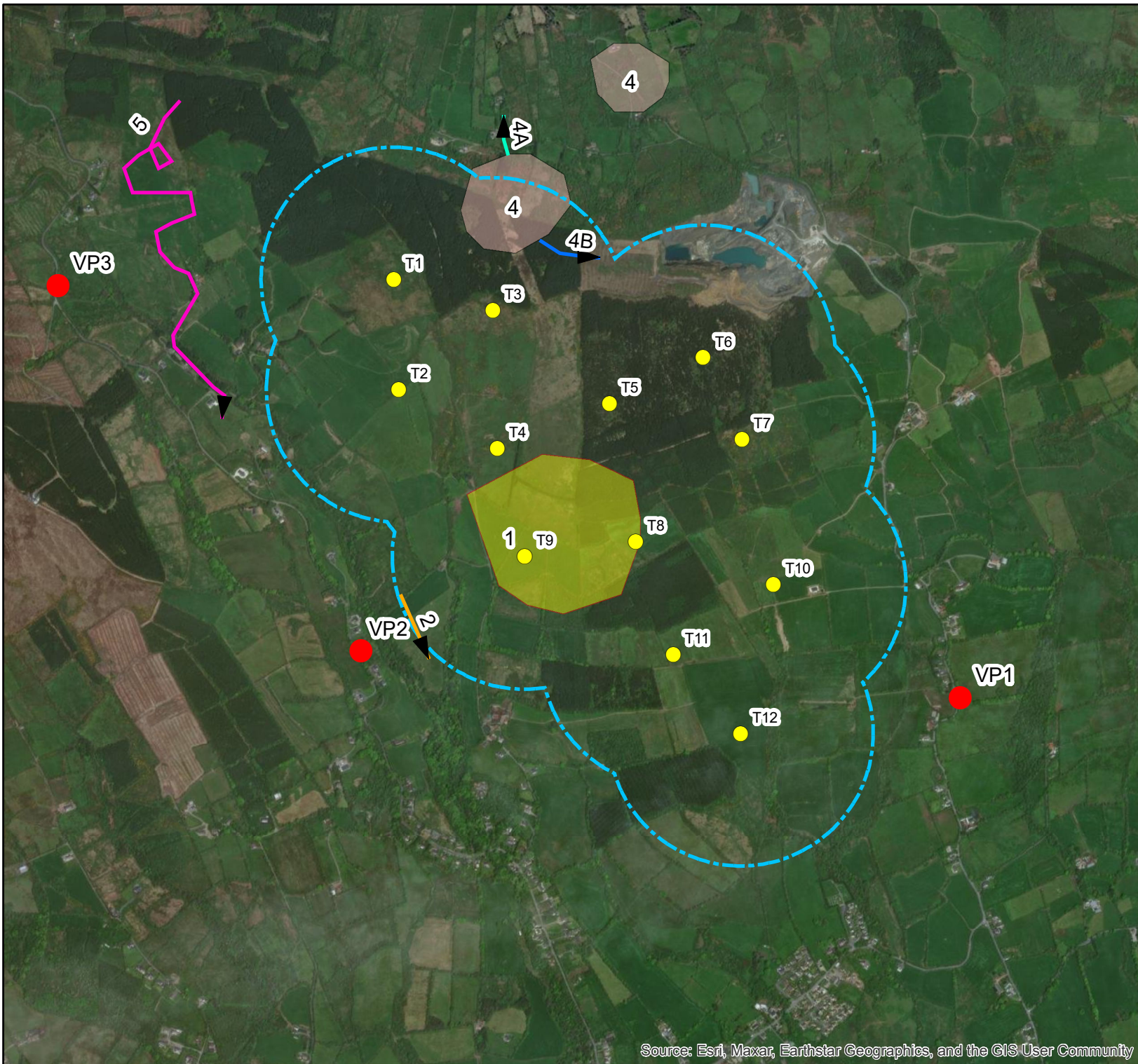


## **Appendix 7H**

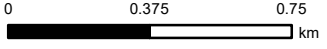
### **Flightpath Maps for Target Species Recorded during Vantage Point Surveys, October 2019 to September 2022, inclusive, MWP**



**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

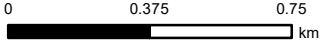




**Legend**

- 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

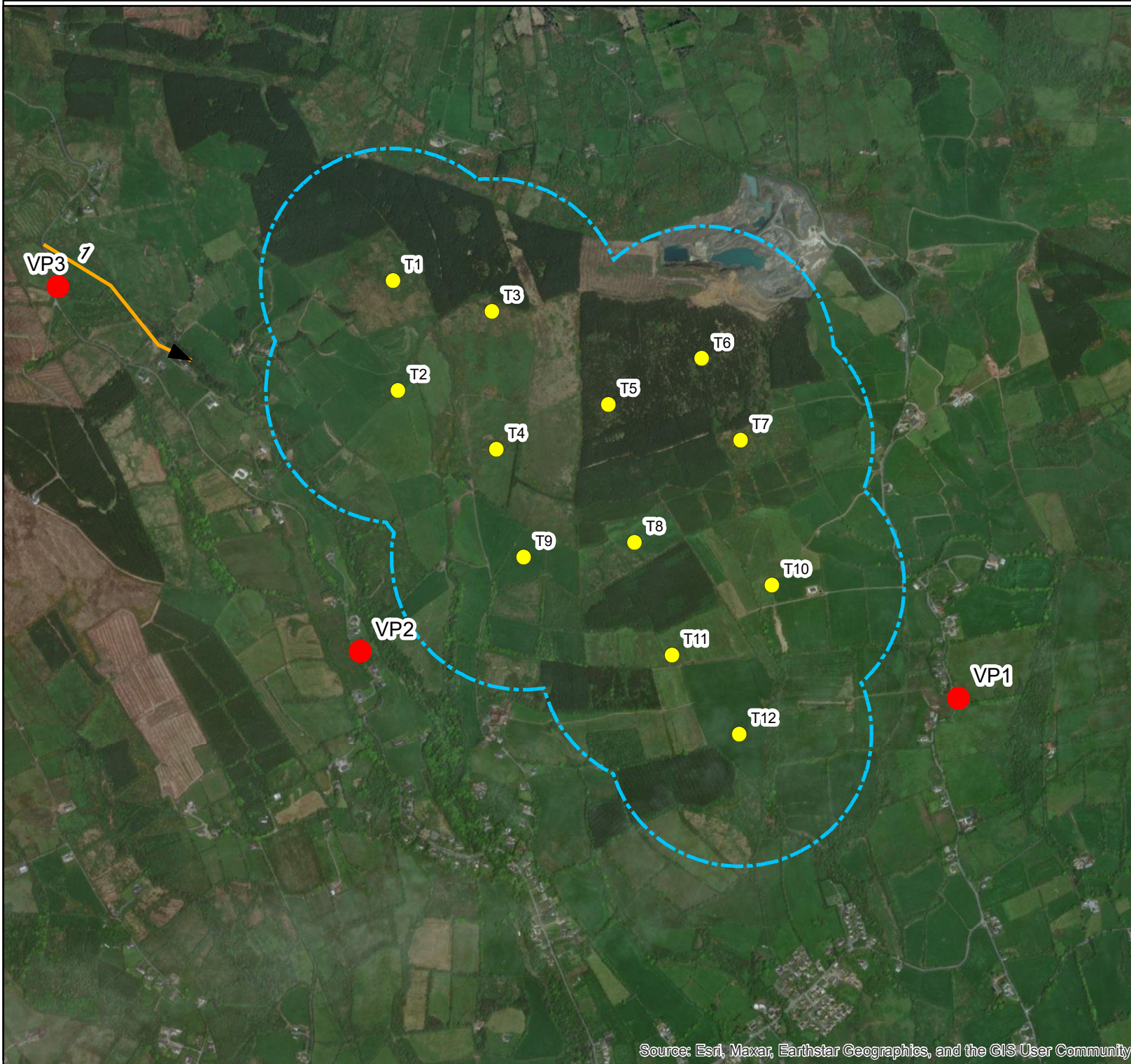
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

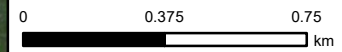




**Legend**

- 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

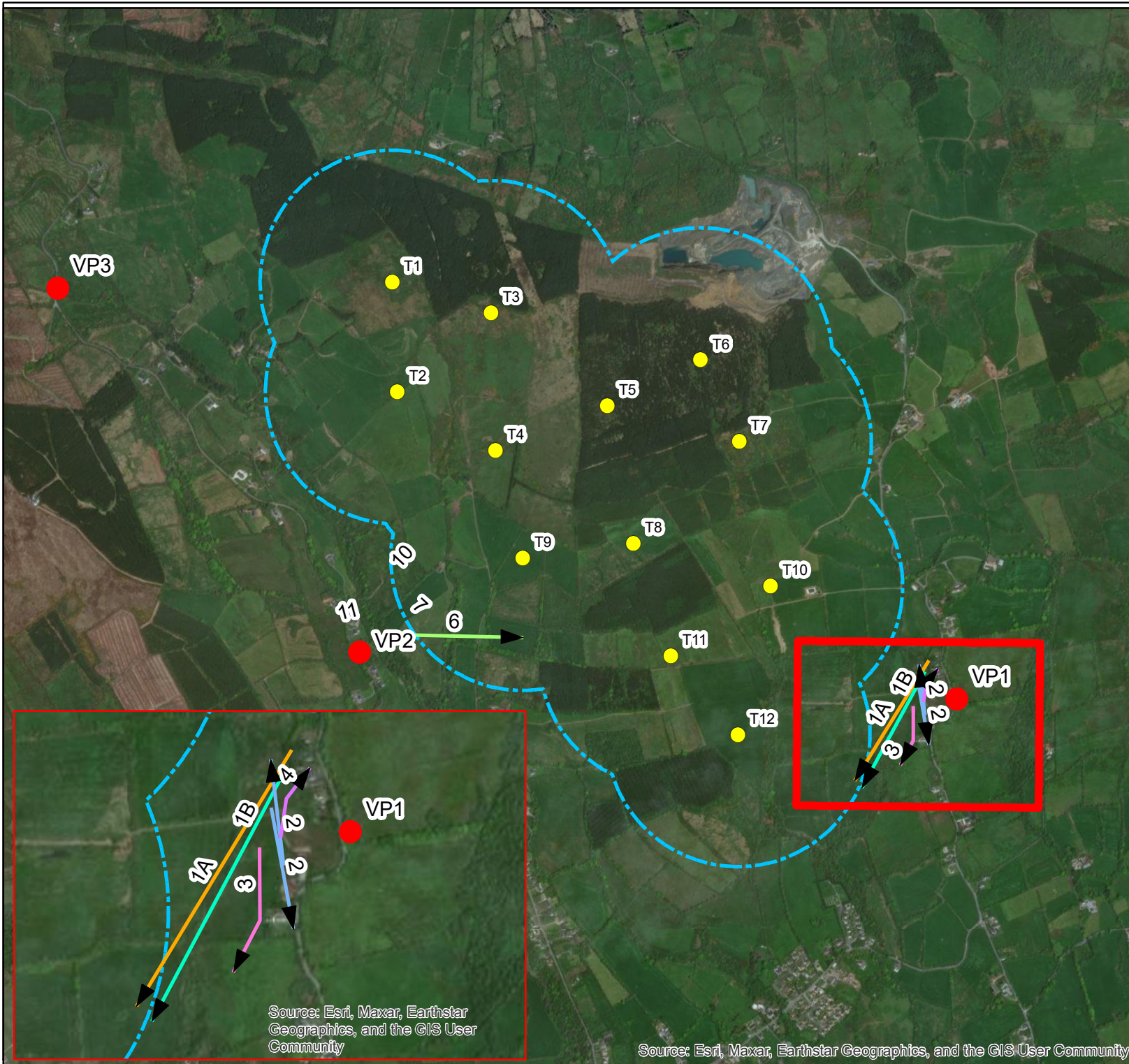
Drawing Title:  
Winter Bird Survey 2019 - 2020  
Map 3-1 Hen Harrier

Drawn: VH      Checked: SK

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







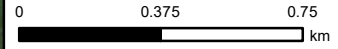
**Legend**

- 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

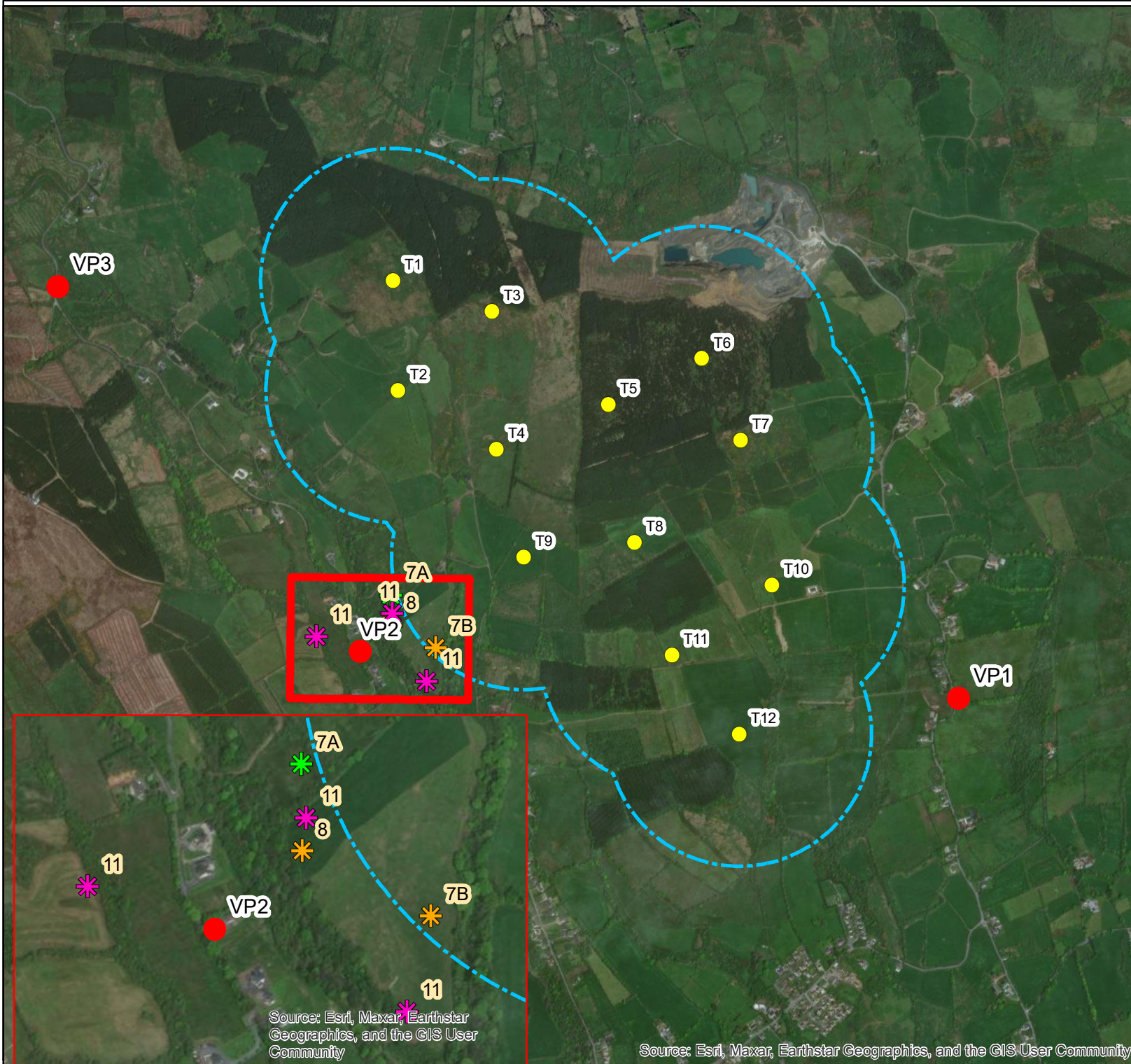
Scale (A4): 1:20,000



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

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





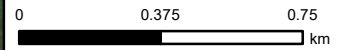
**Legend**

- 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

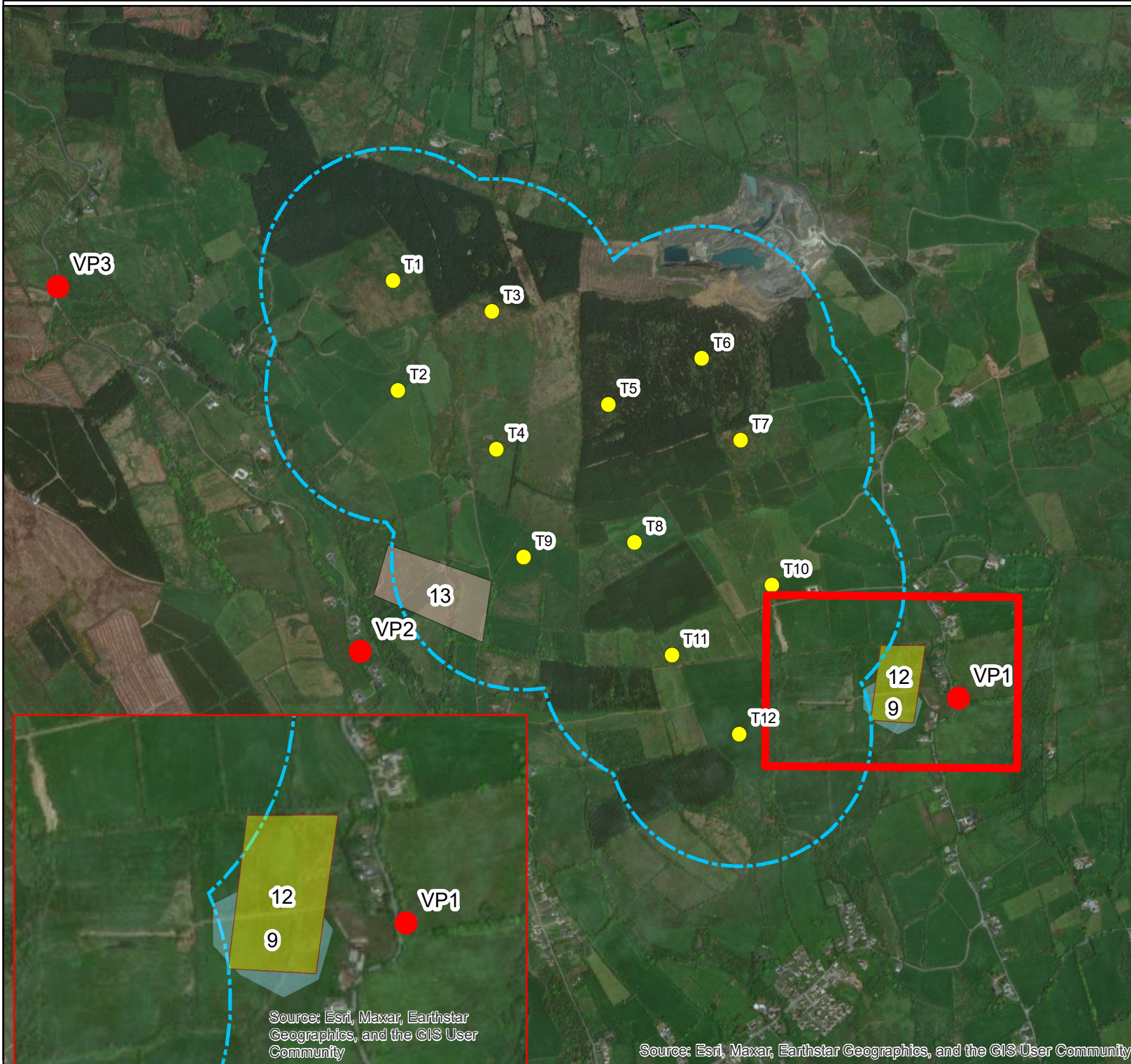
Date: 12/09/2023      Scale (A4): 1:20,000



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

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





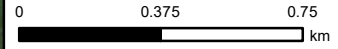
**Legend**

- 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

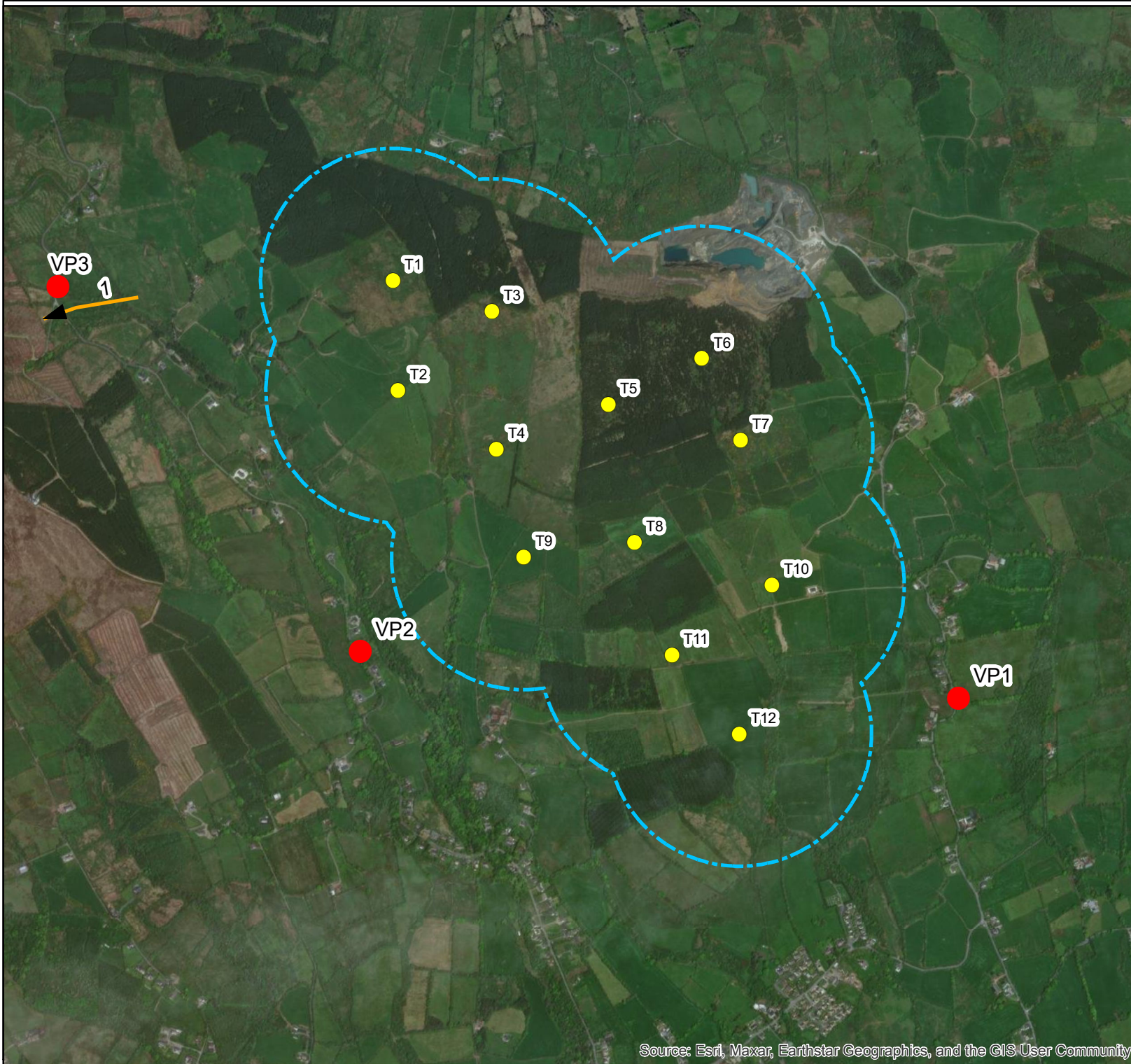
Date: 12/09/2023      Scale (A4): 1:20,000



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

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

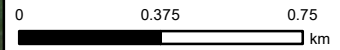




**Legend**

- 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

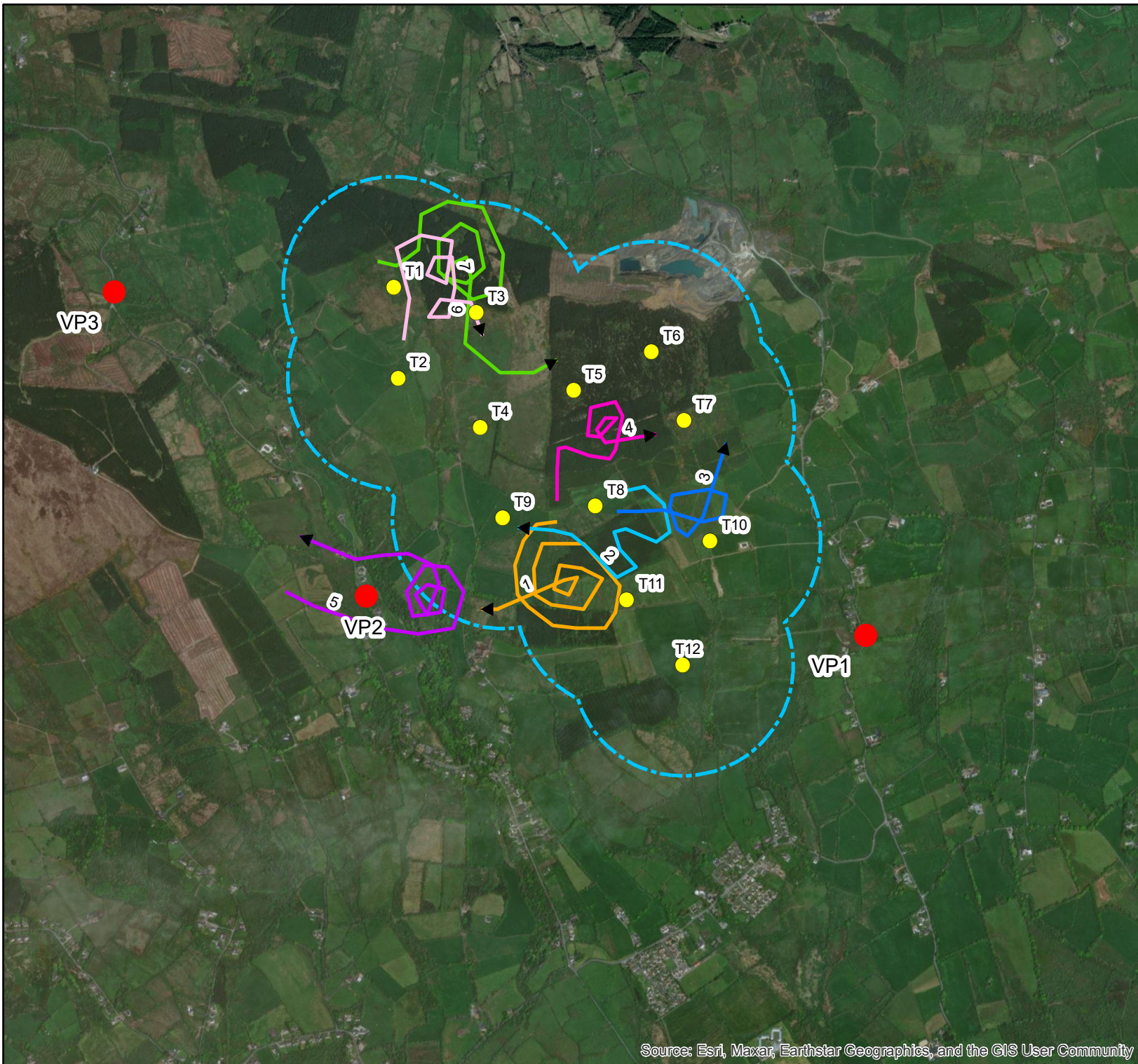
Drawing Title:  
Winter Bird Survey 2019 - 2020  
Map 5-1 Woodcock

Drawn: VH      Checked: SK

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



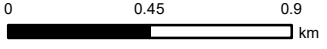




**Legend**

- 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

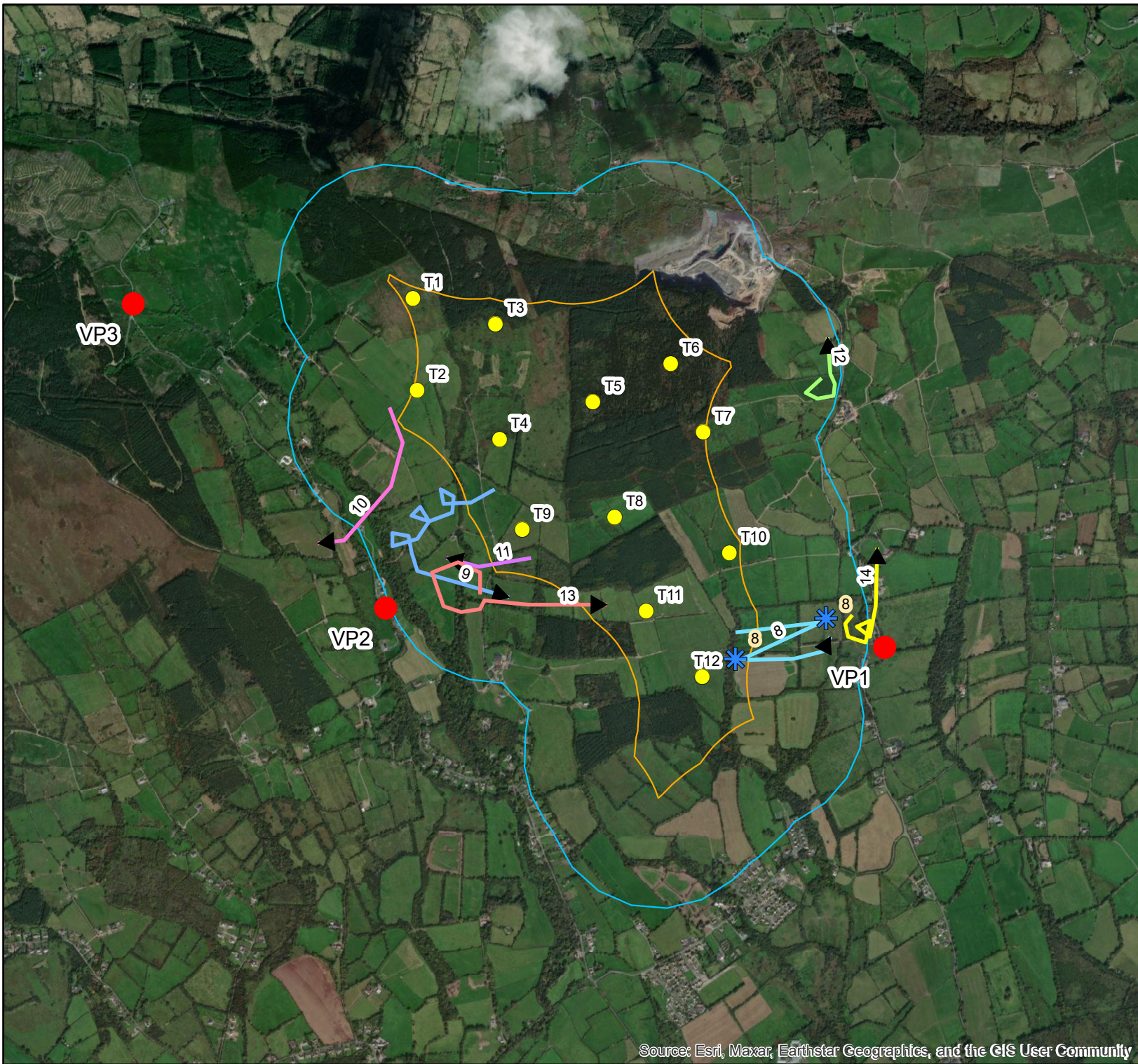
**Drawn:** VH      **Checked:** SK

**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
- Development
- 500m Study Area

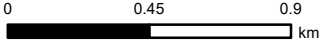
**Buzzard Perched**

- ✱ 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

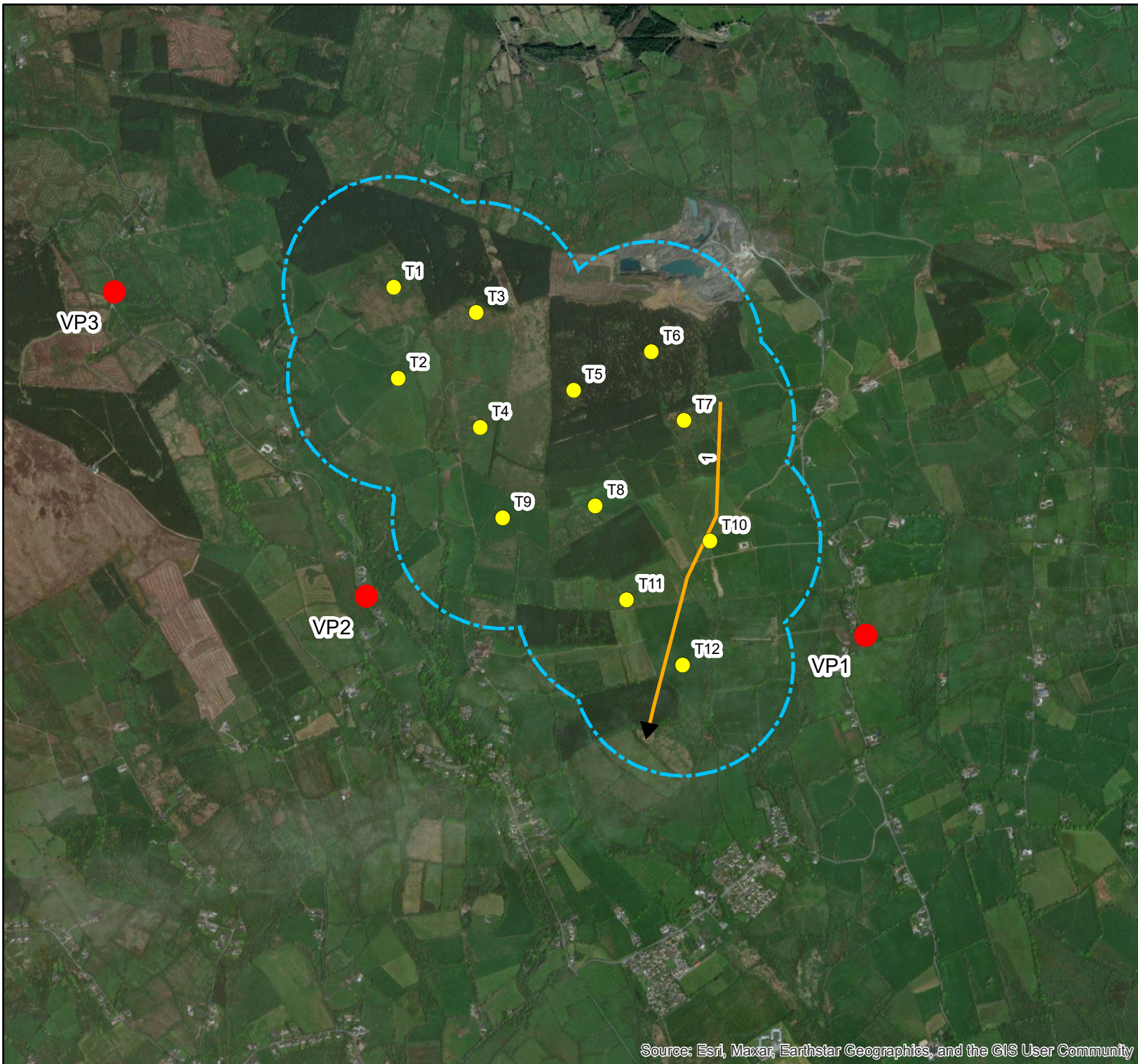
**Drawing Title:**  
Summer Bird Survey 2020  
Map 1-2 Buzzard

**Drawn:** JS      **Checked:** SK

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







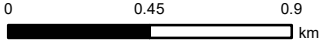
**Legend**

- 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

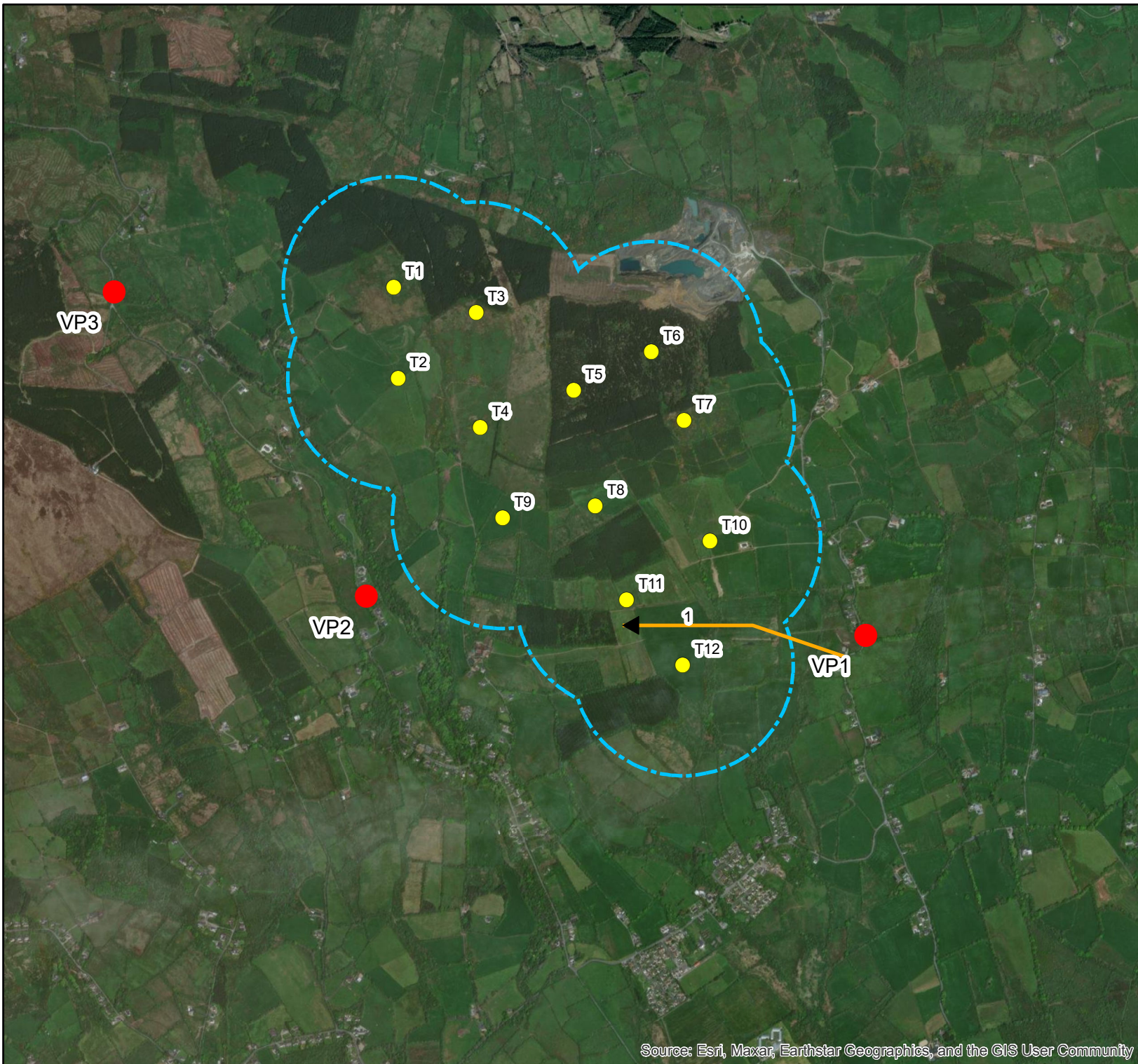
**Drawn:** VH      **Checked:** SK

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



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





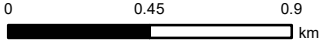
**Legend**

- 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

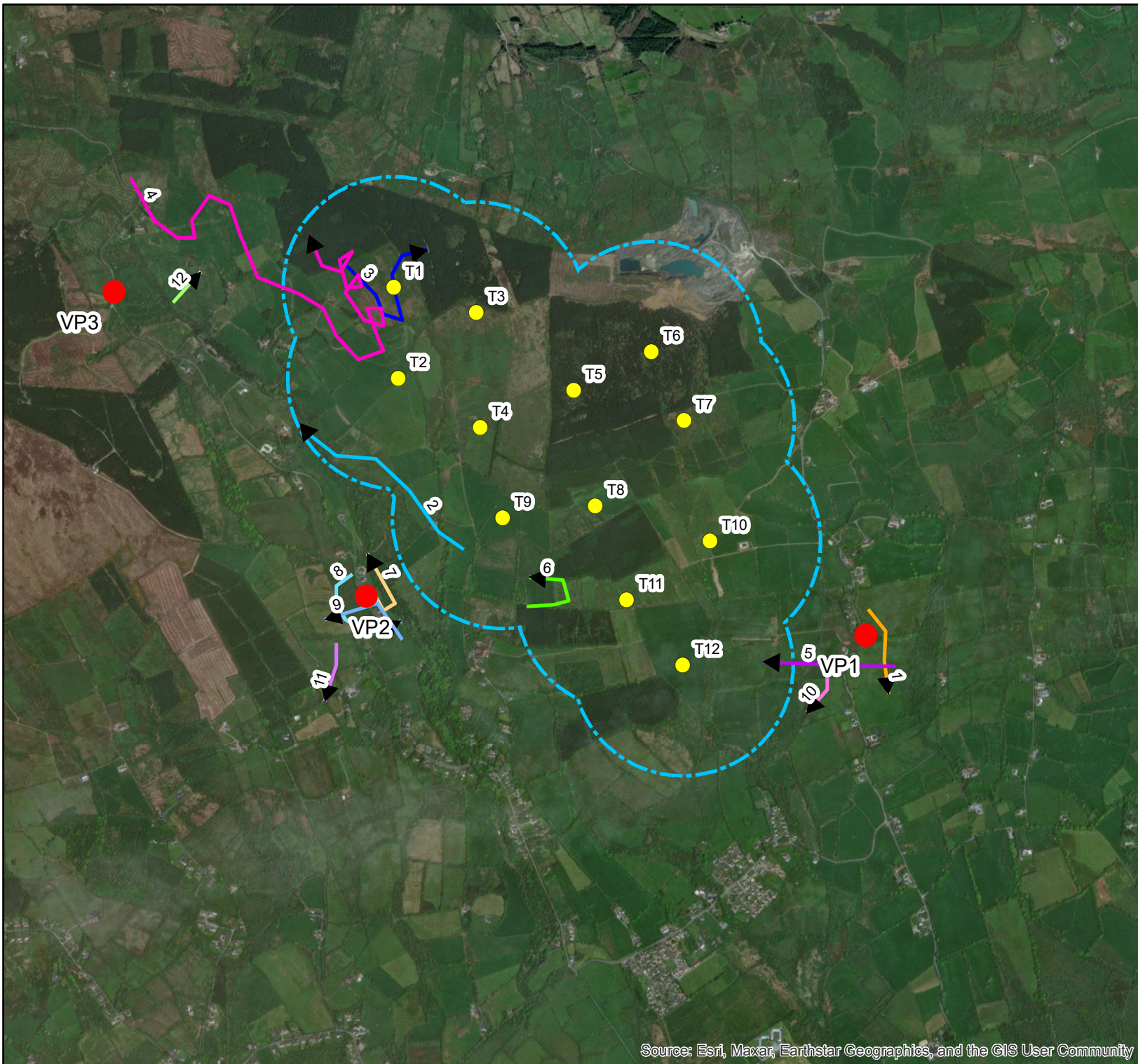
**Drawing Title:**  
Summer Bird Survey 2020  
Map 3-1 Herring Gull

**Drawn:** VH      **Checked:** SK

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







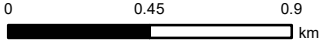
**Legend**

- 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

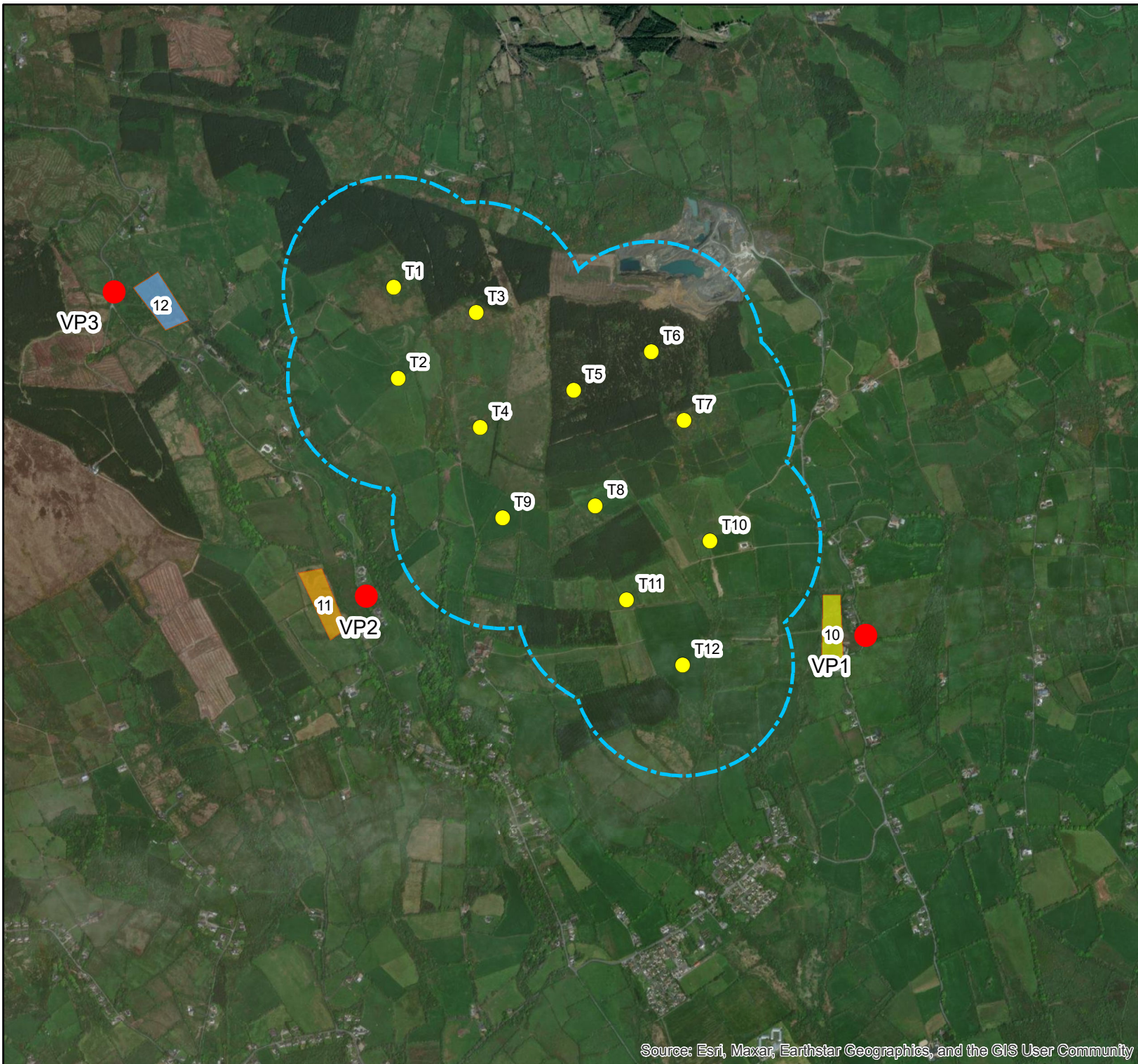
**Drawing Title:**  
Summer Bird Survey 2020  
Map 4-1 Kestrel

**Drawn:** VH      **Checked:** SK

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







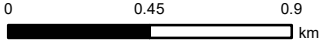
**Legend**

- 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

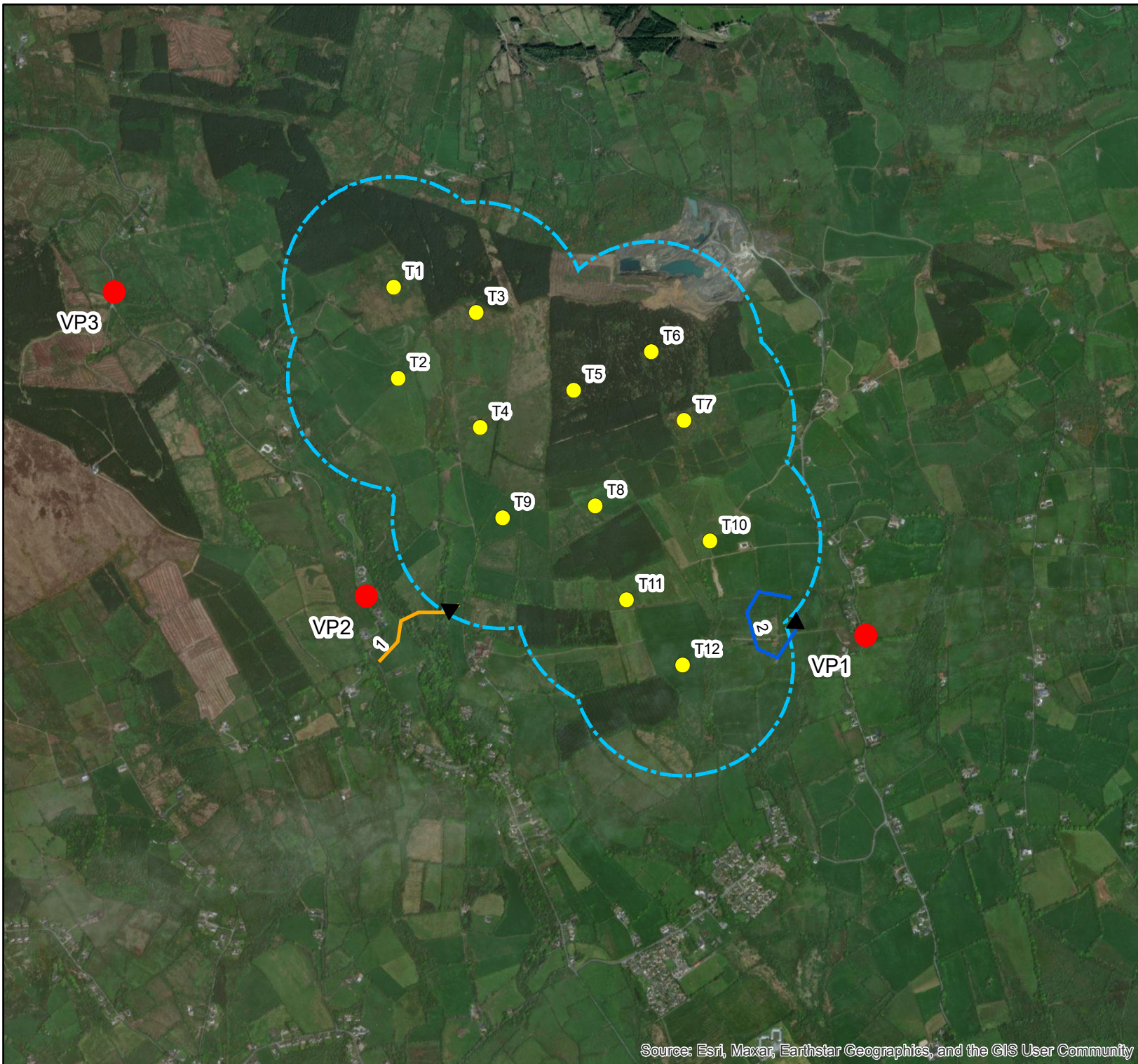
**Drawing Title:**  
Summer Bird Survey 2020  
Map 4-2 Kestrel

**Drawn:** VH      **Checked:** SK

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







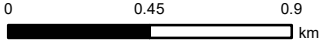
**Legend**

- 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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**Project Title:**  
 Ballycar WF Bird Surveys

**Client:** Ballycar Green Energy

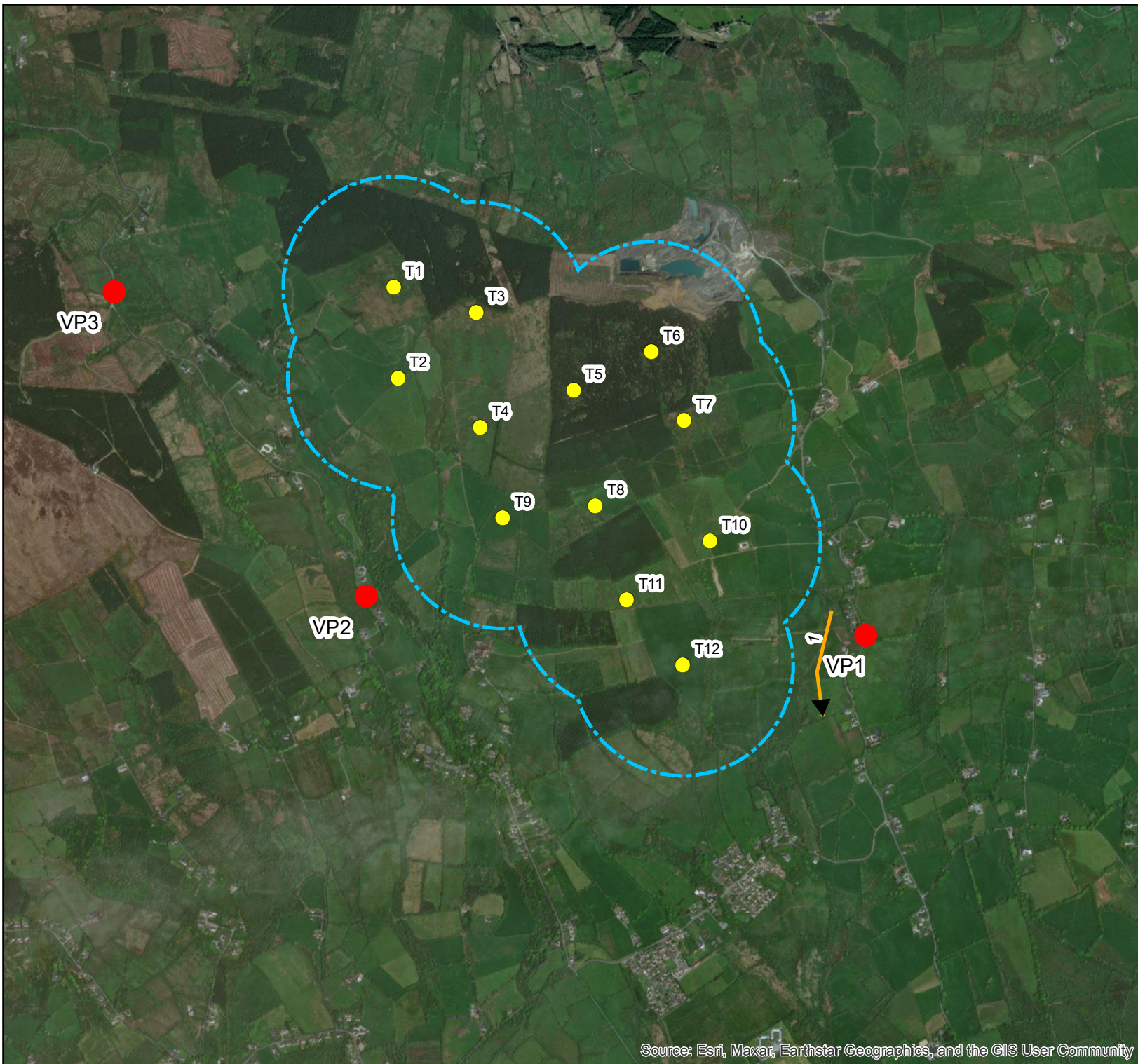
**Drawing Title:**  
 Summer Bird Survey 2020  
 Map 5-1 Lesser Black-Backed Gull

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



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

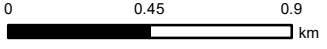




**Legend**

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

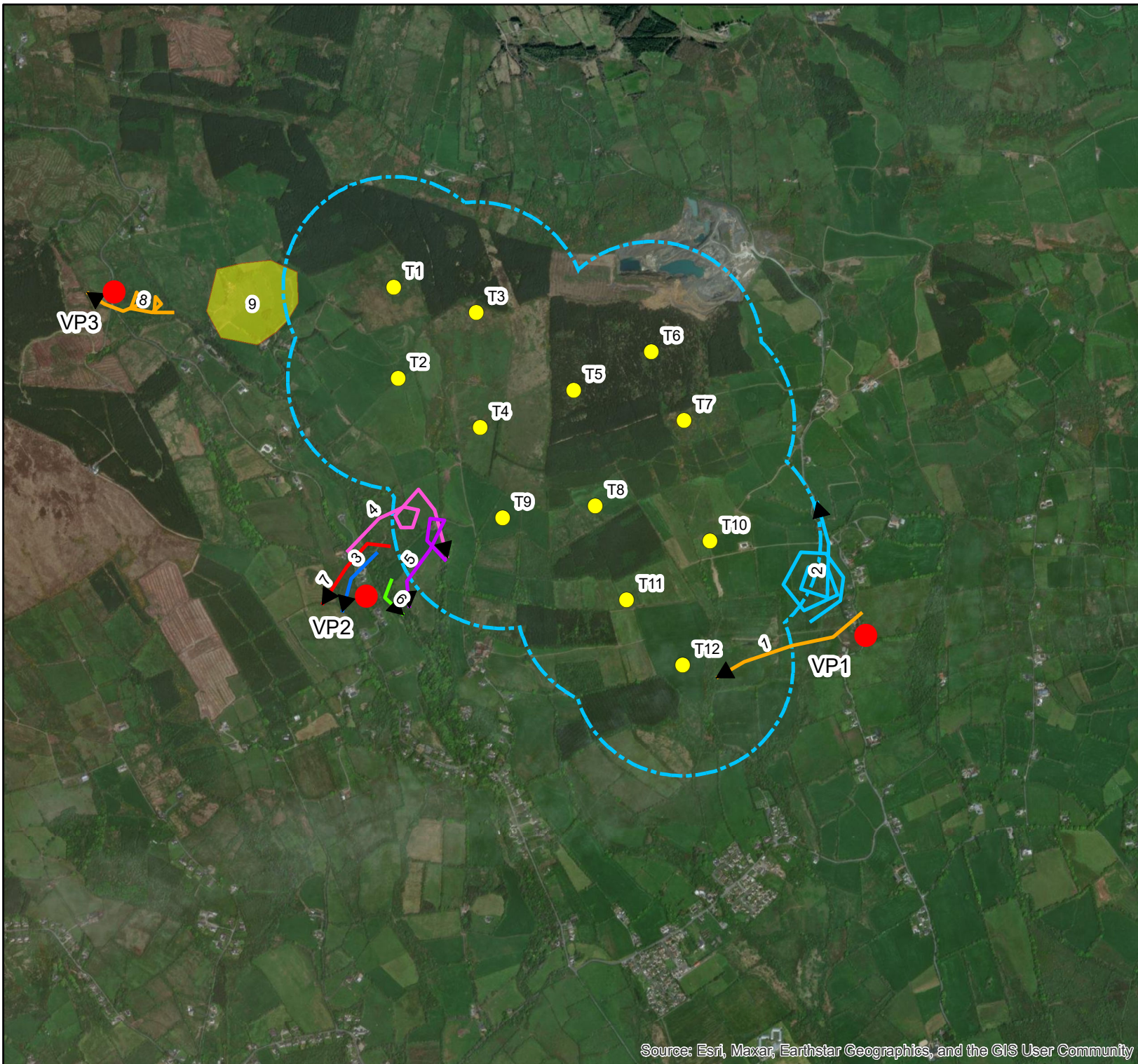
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





**Legend**

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

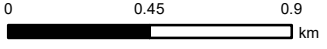
**Sparrowhawk Flight Path**

- ▶ 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

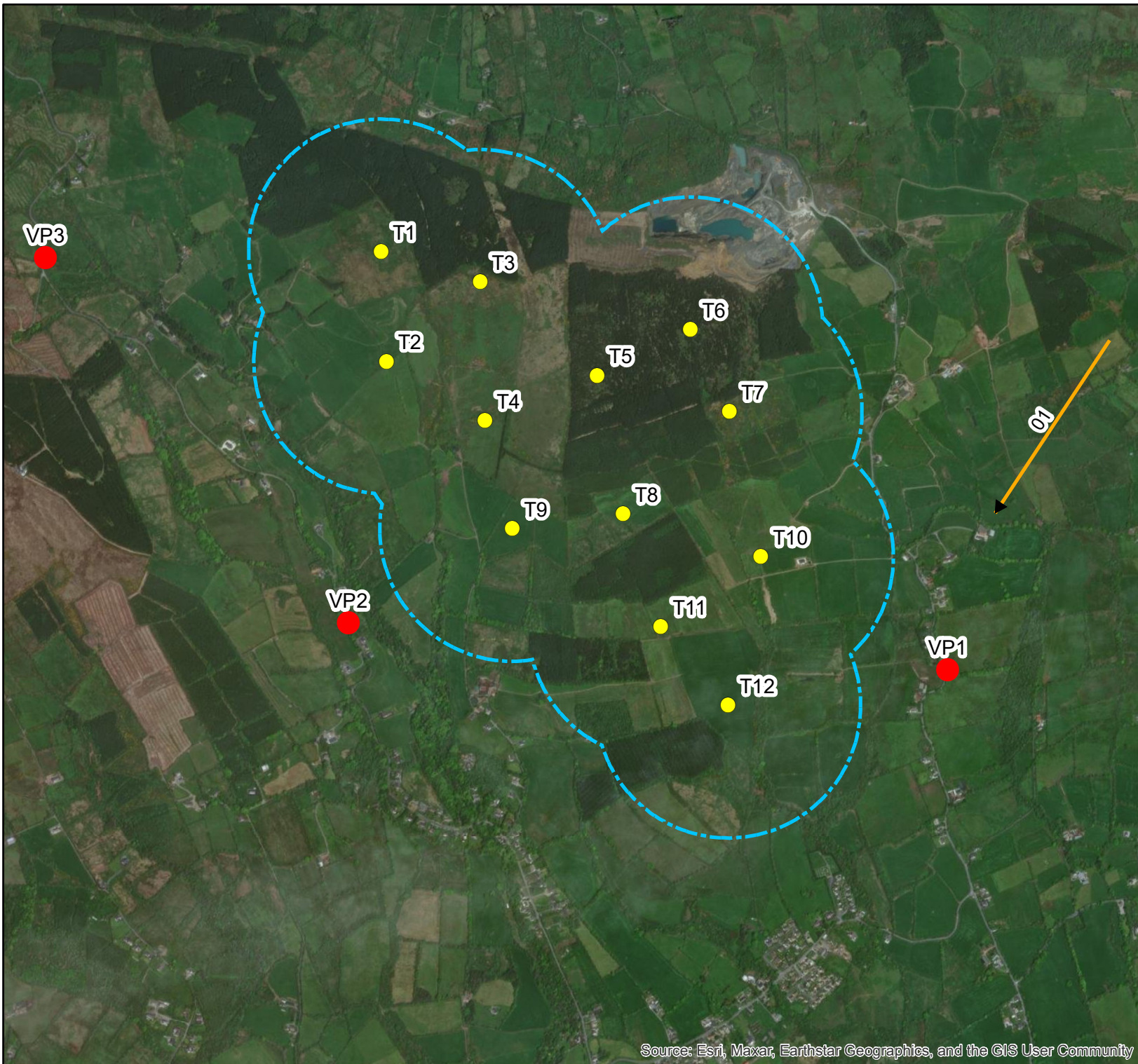
**Drawn:** VH      **Checked:** SK

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



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





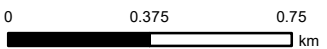
**Legend**

- 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

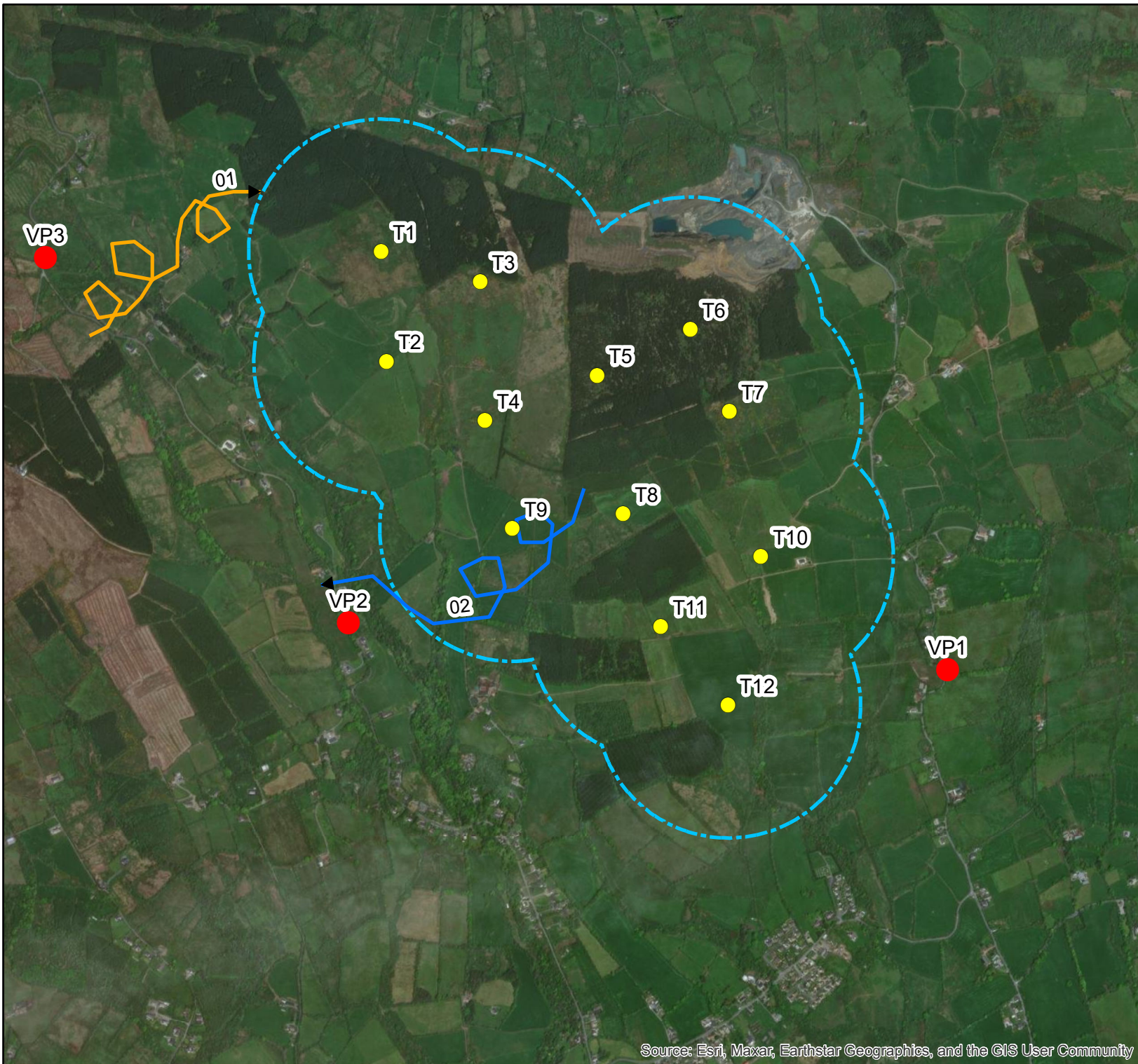
Drawn: VH      Checked: SK

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



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





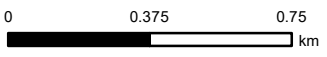
**Legend**

- 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

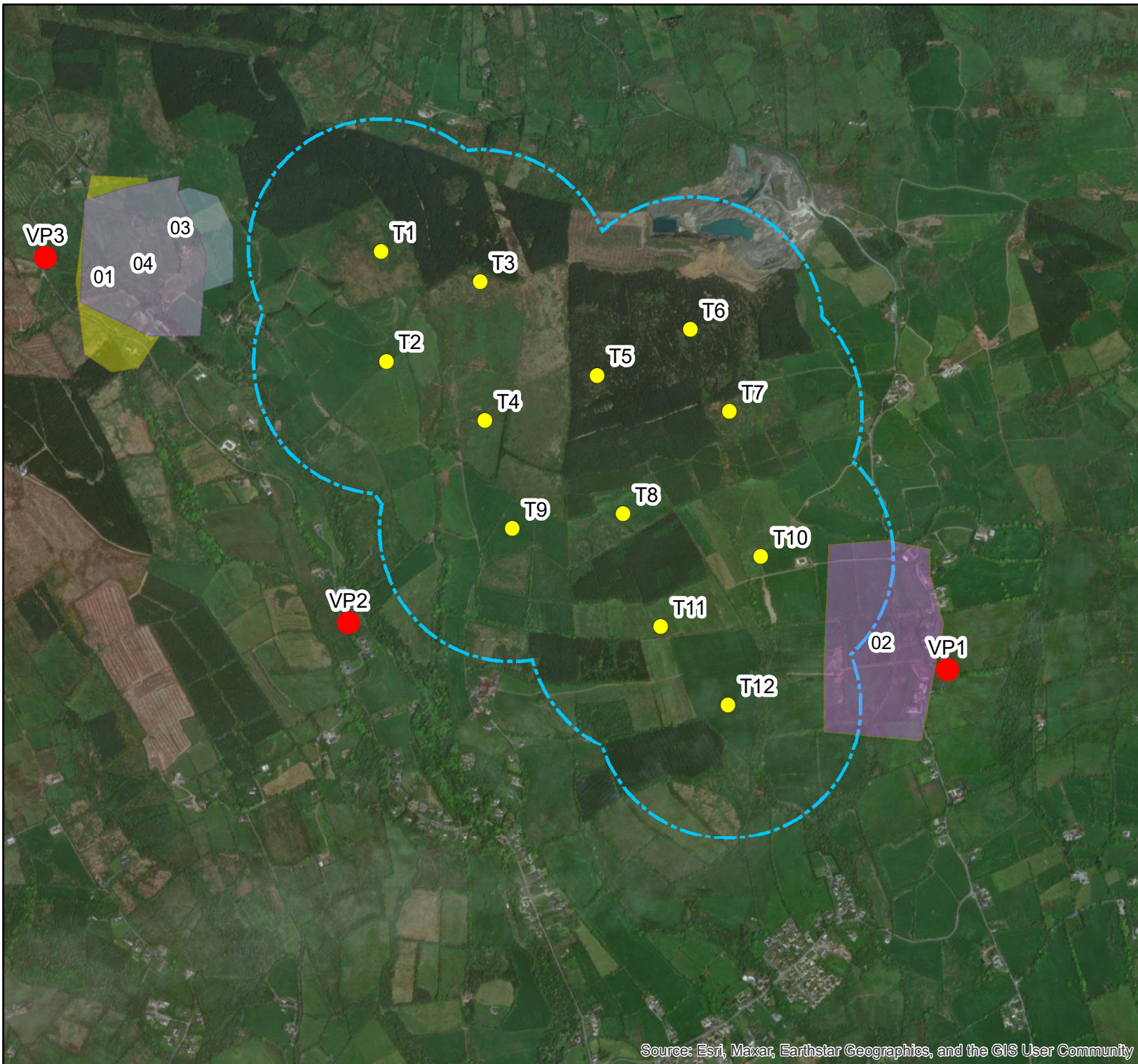
Client: Ballycar Green Energy

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

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







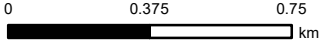
**Legend**

- 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

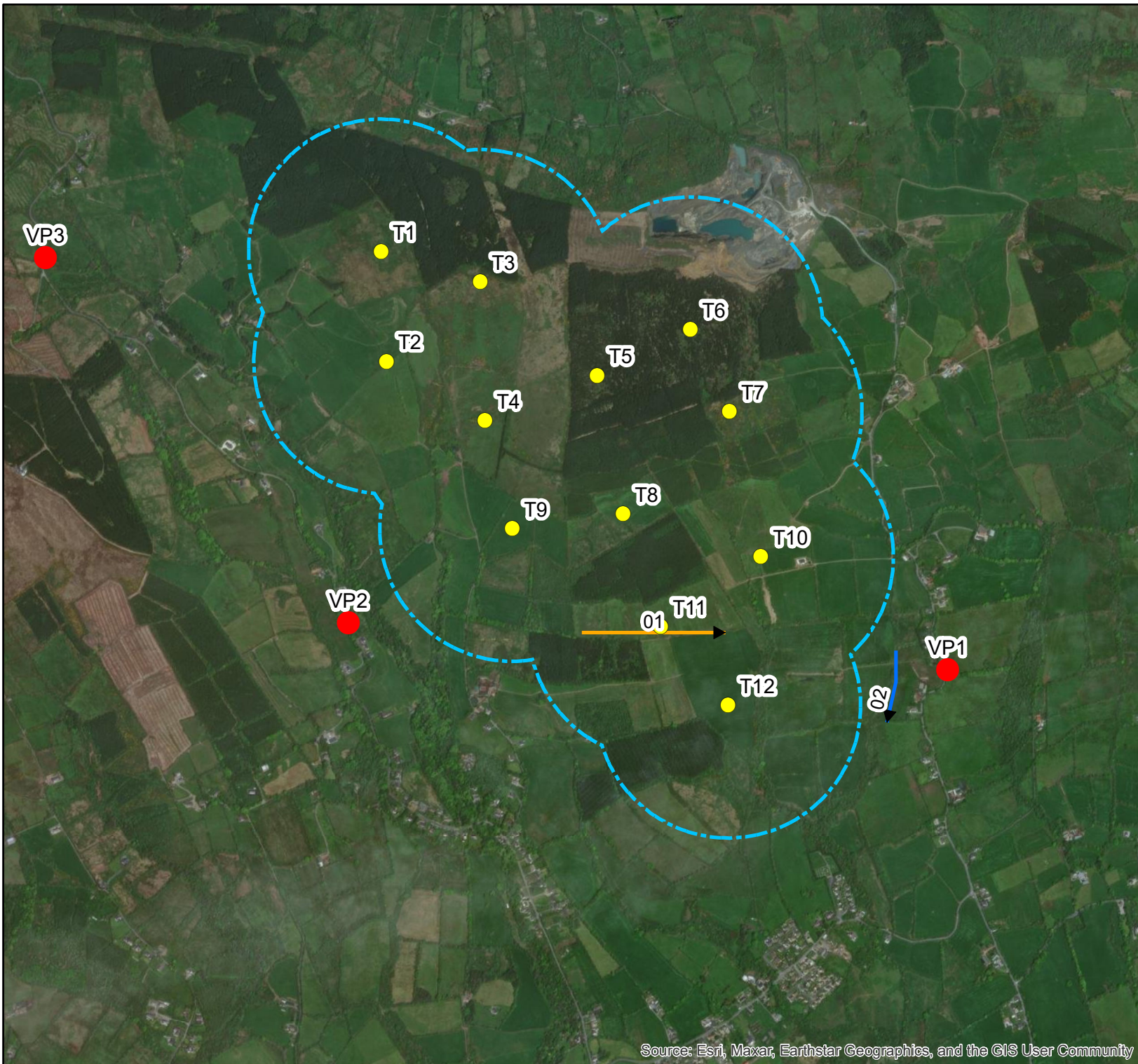
Drawn: VH      Checked: SK

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



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





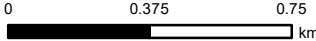
**Legend**

- 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

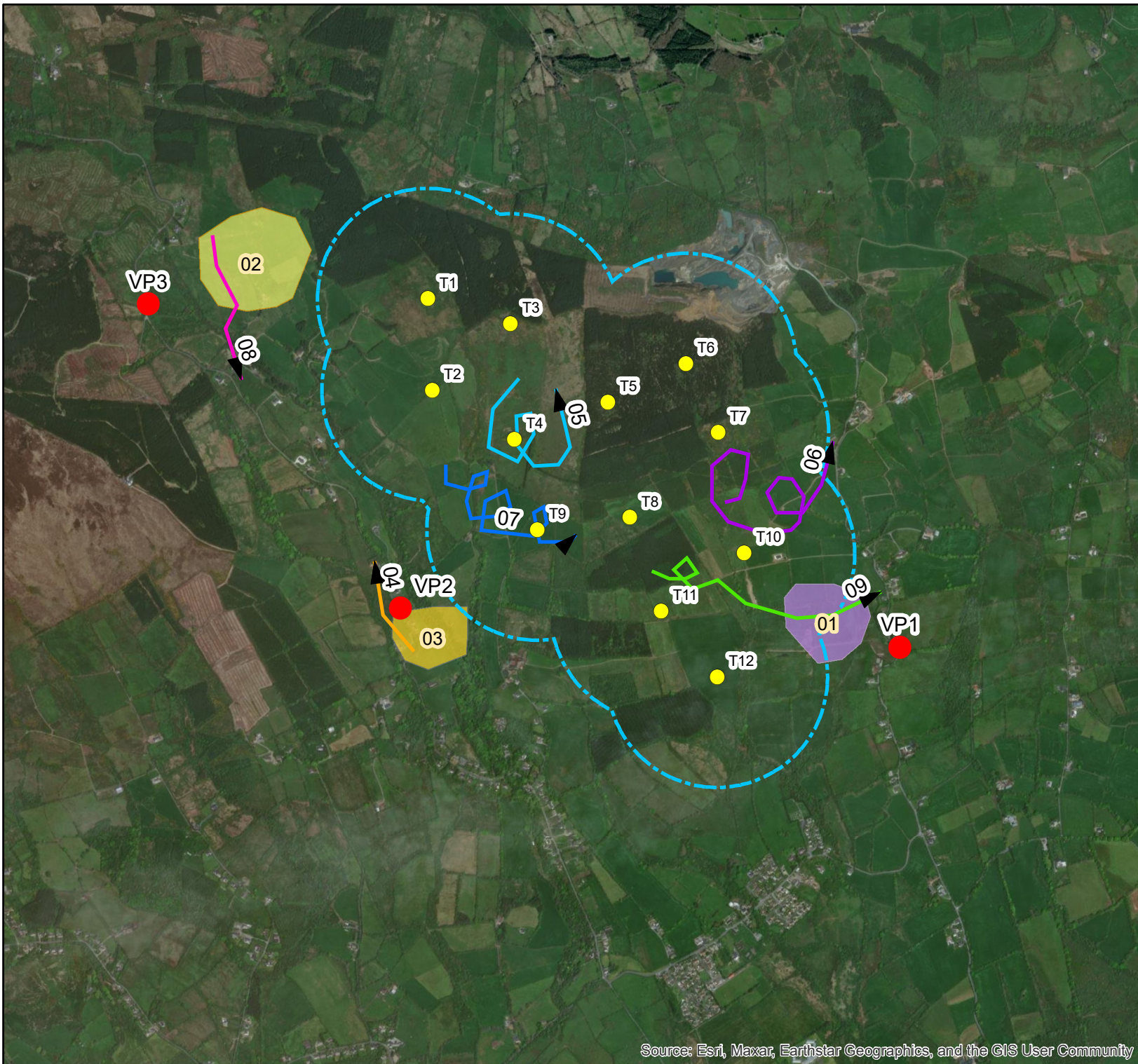
Drawn: VH      Checked: SK

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

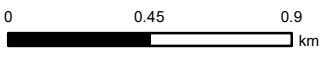
**Buzzard Activity**

- 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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Project Title:  
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

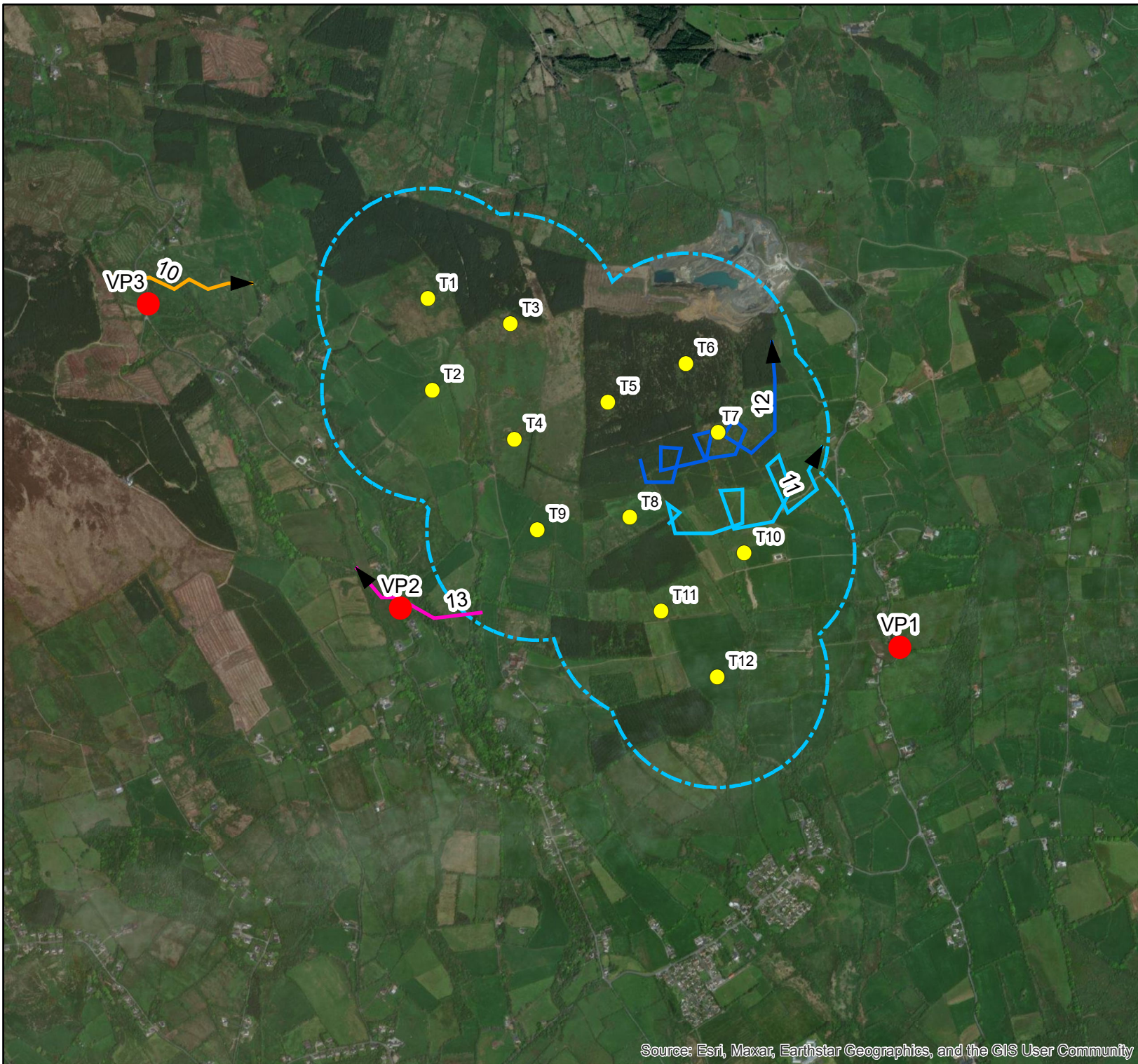
Drawn: VH      Checked: SK

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



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





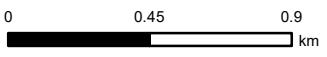
**Legend**

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

**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

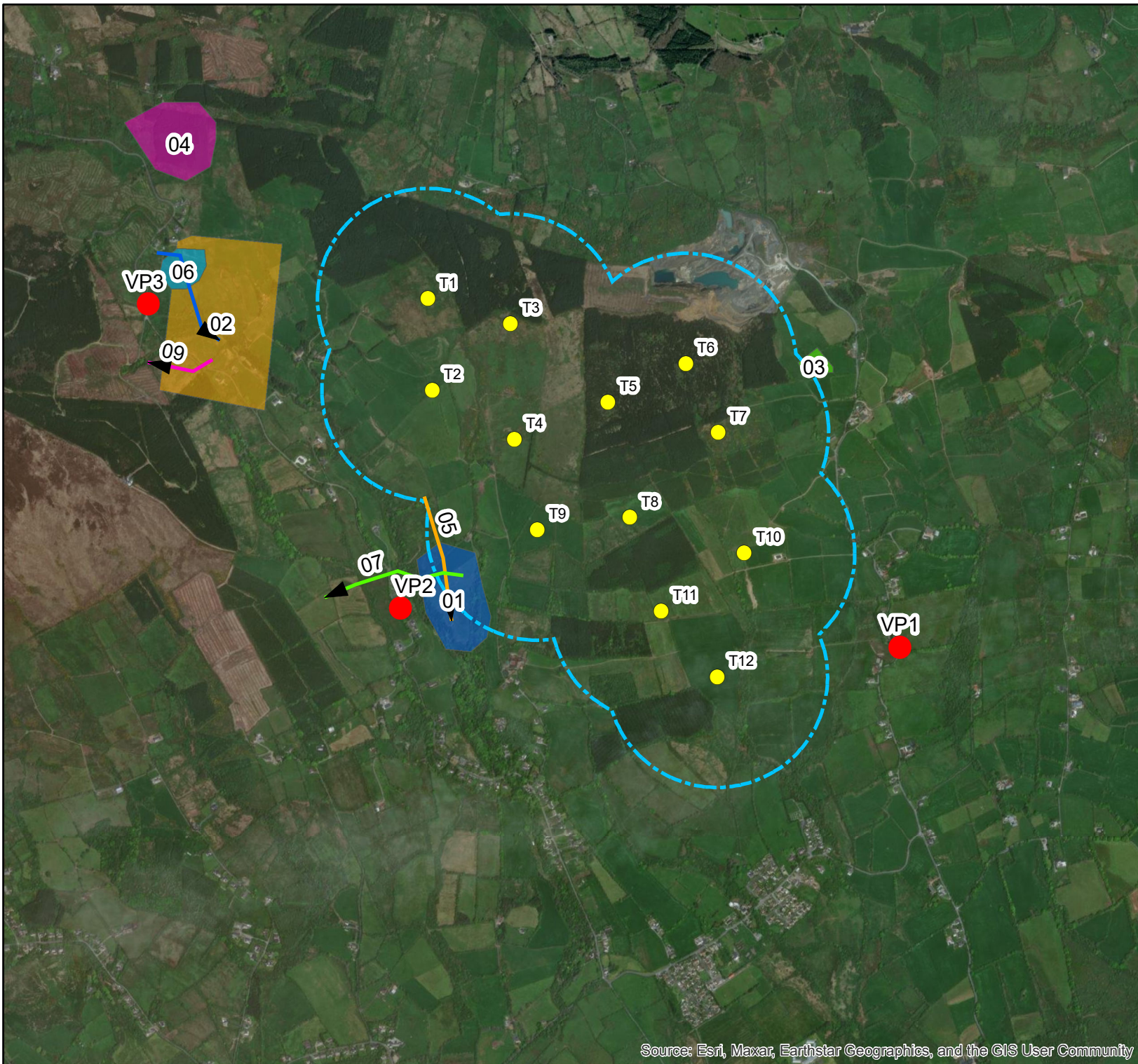
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





**Legend**

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

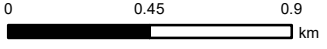
**Kestrel Activity**

- 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

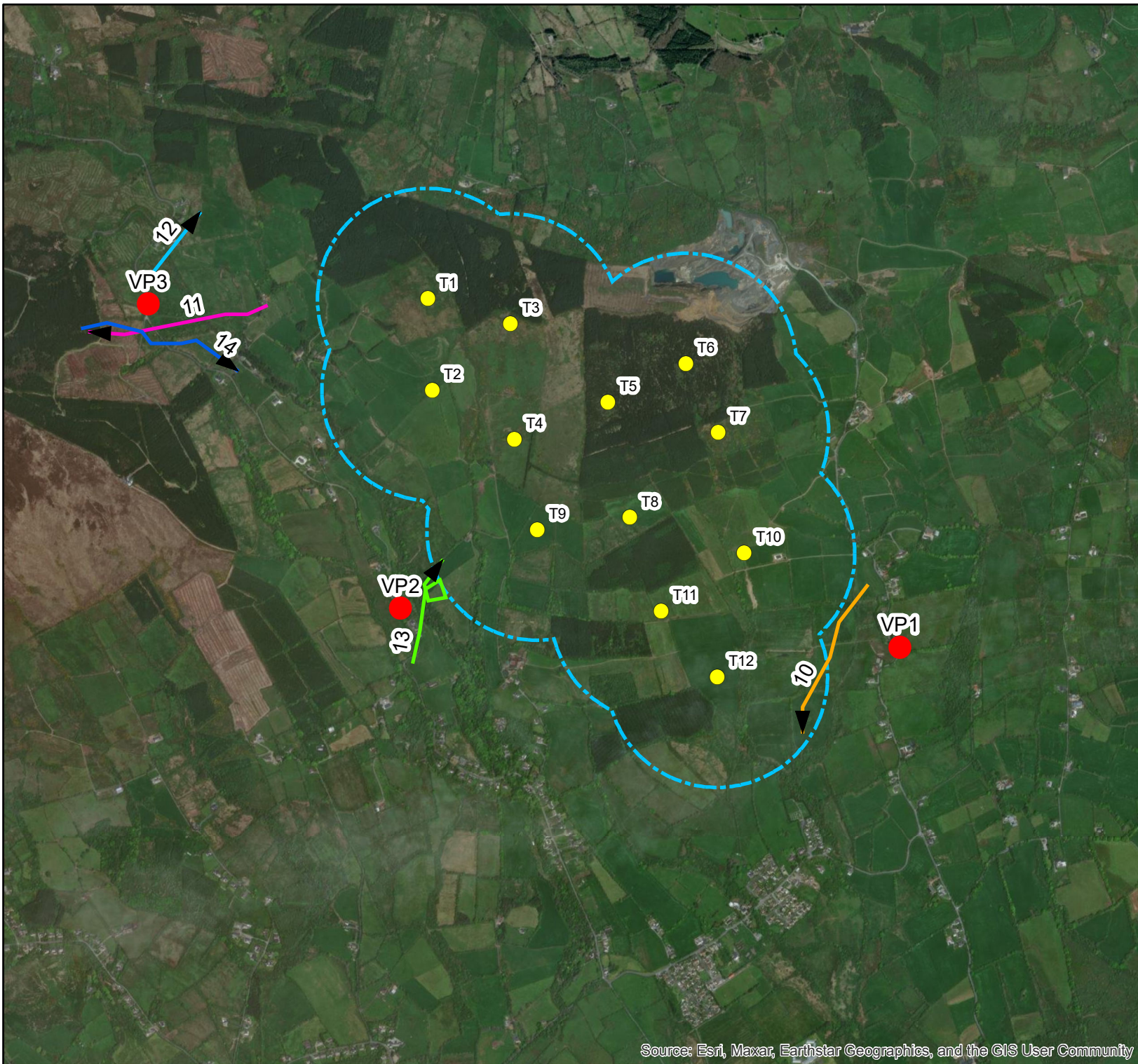
Drawn: VH      Checked: SK

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



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





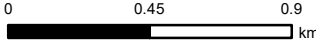
**Legend**

- 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

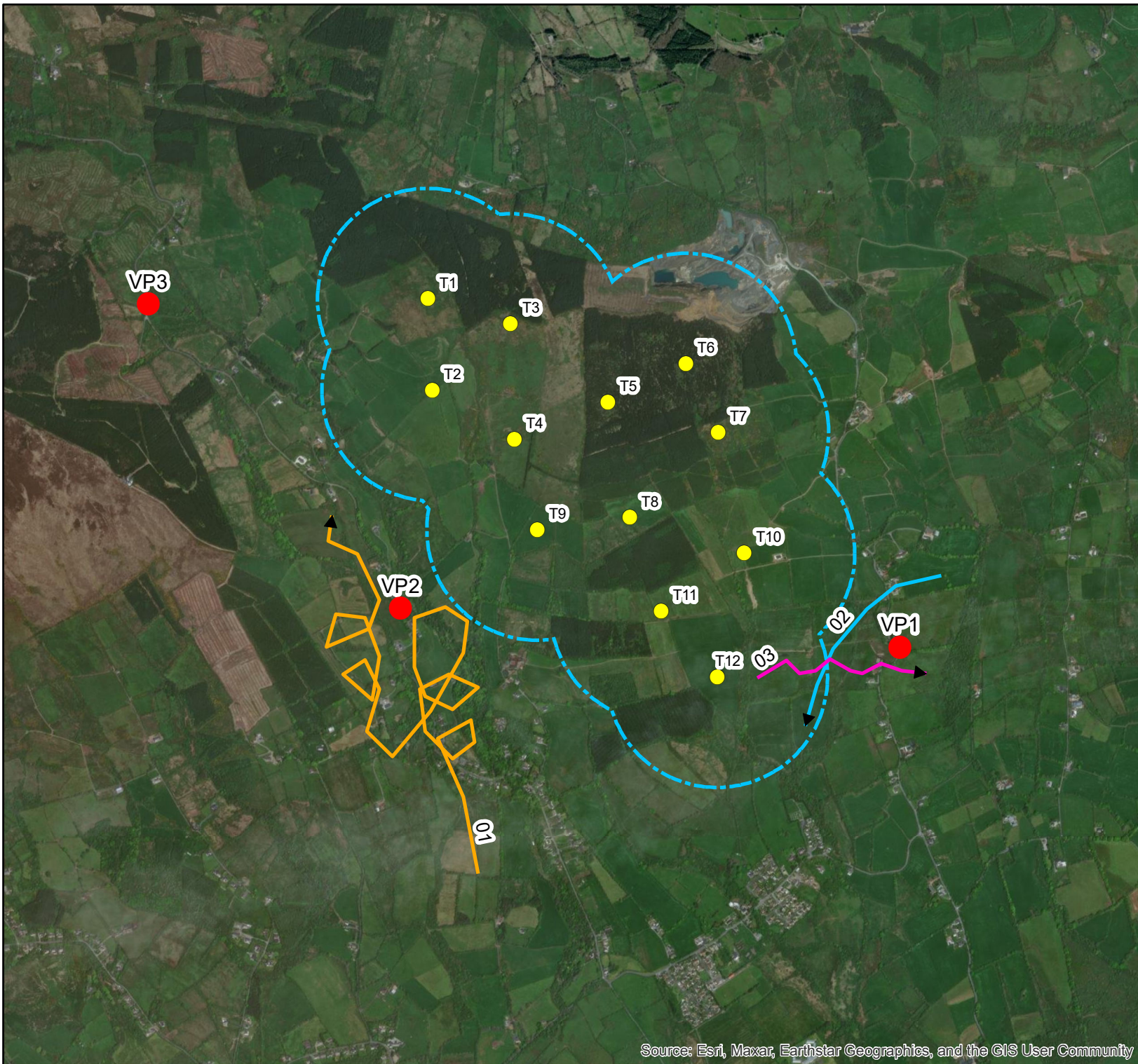
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Date: 12/09/2023	Scale (A4): 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

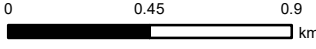




**Legend**

- Turbine Locations
- Vantage Point Location
- 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

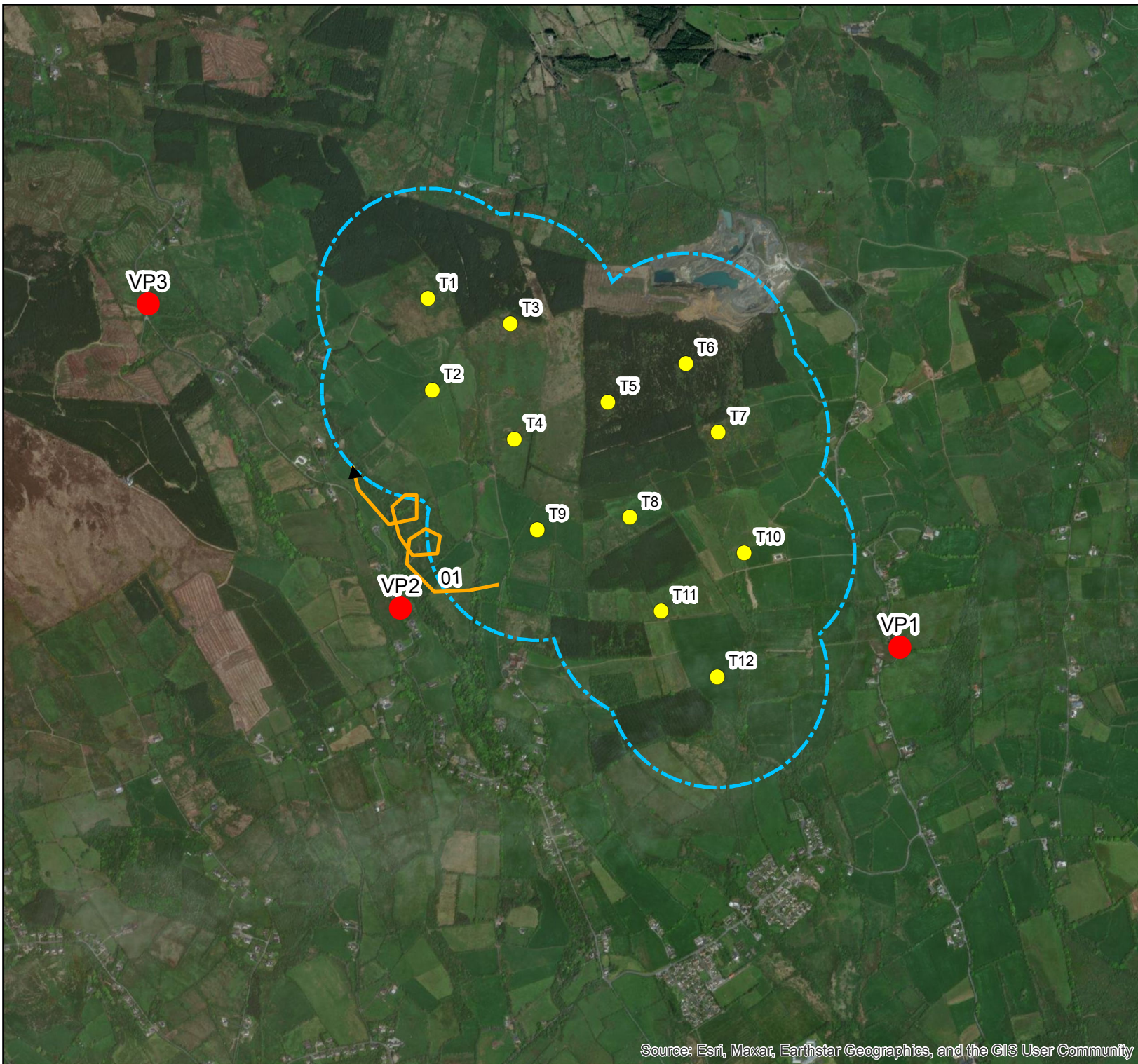
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

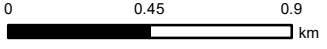




**Legend**

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

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**Project Title:**  
Ballycar WF Bird Surveys

**Client:** Ballycar Green Energy

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

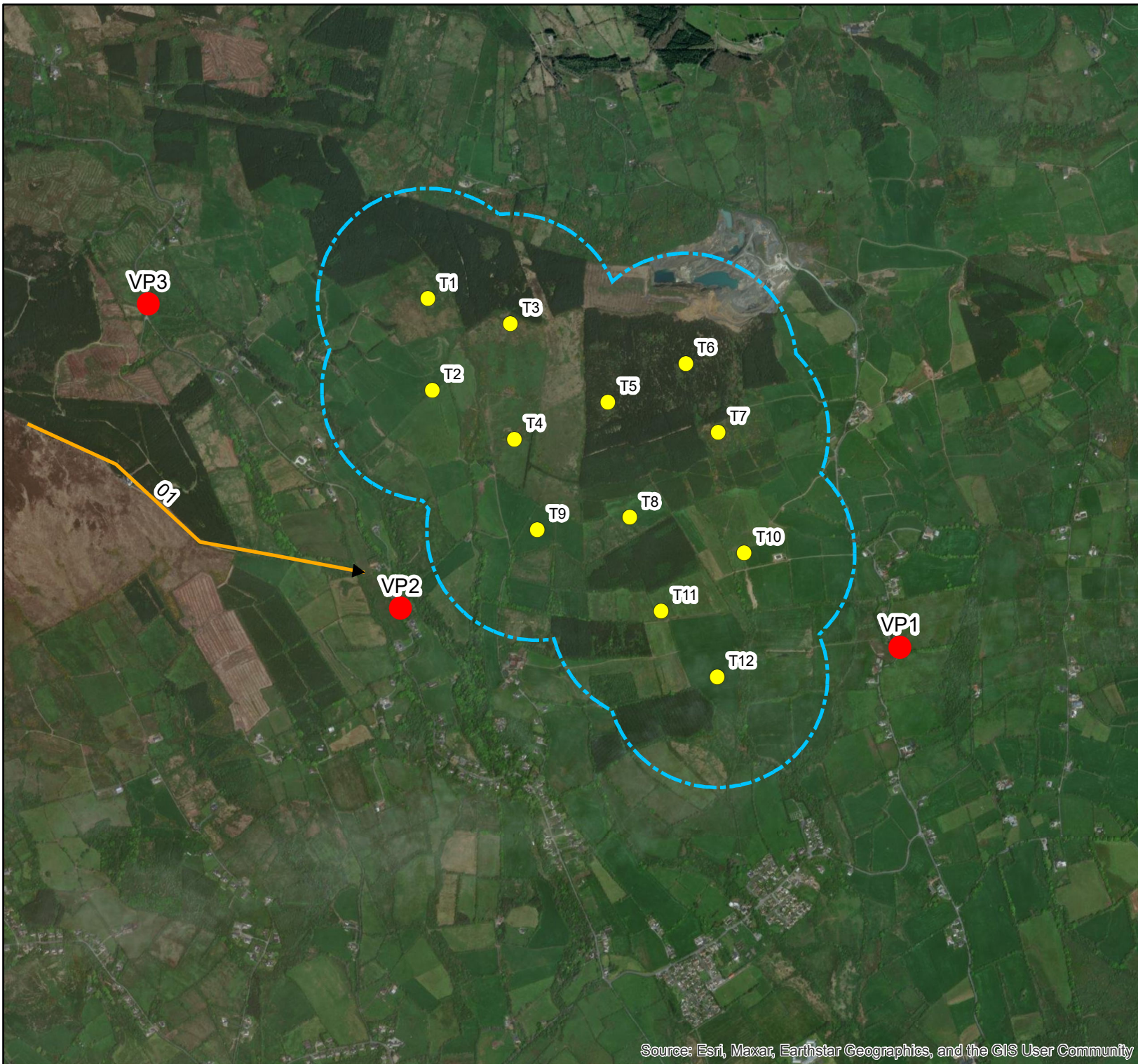
<b>Drawn:</b> VH	<b>Checked:</b> SK
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<b>Date:</b> 12/09/2023	<b>Scale (A4):</b> 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

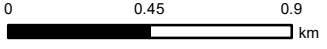




**Legend**

- Turbine Locations
- Vantage Point Location
- Sparrowhawk Flight Path**
- 01, 02/04/2021
- 500m Turbine Buffer

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**Project Title:**  
Ballycar WF Bird Surveys

**Client:** Ballycar Green Energy

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

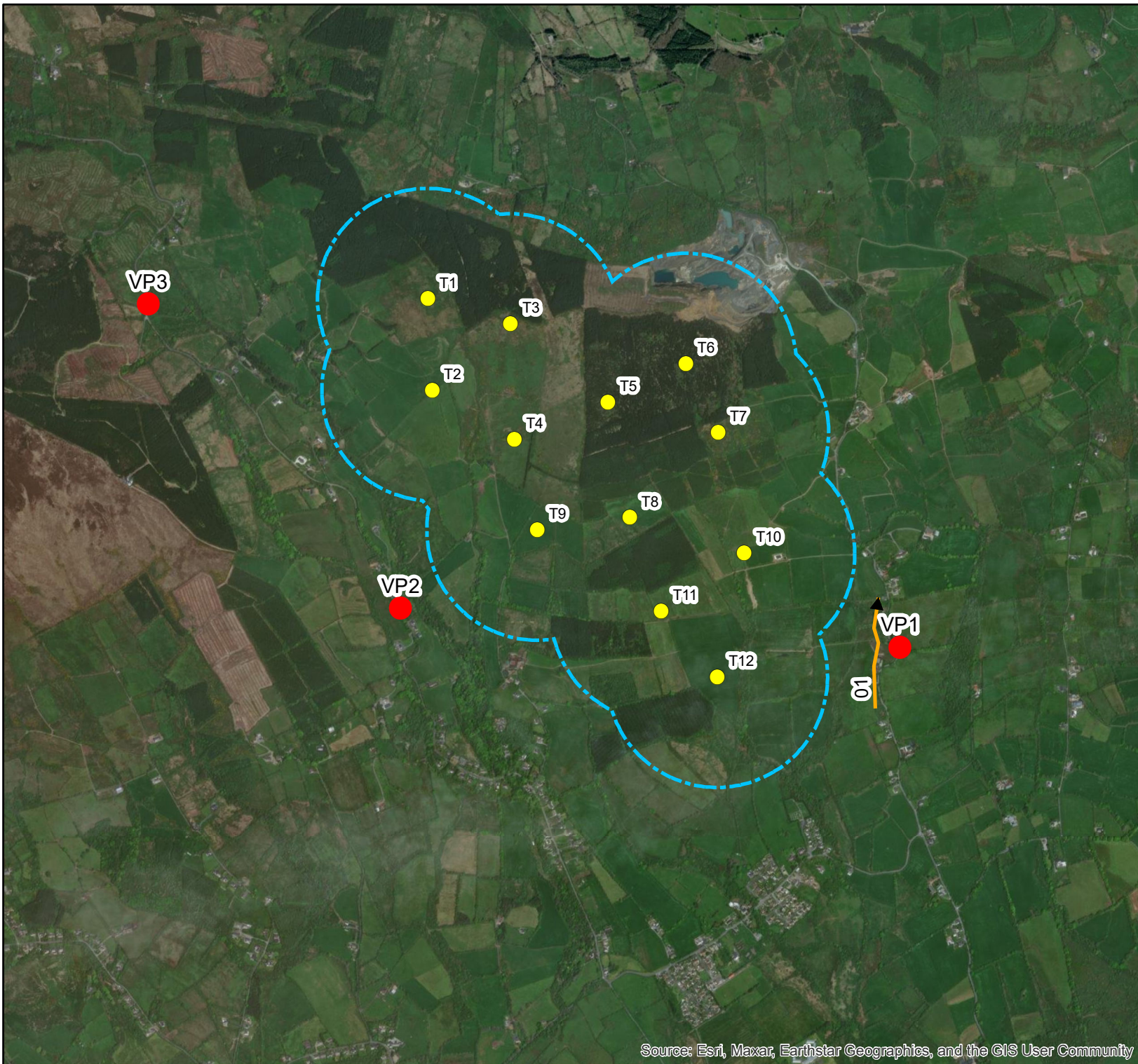
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:24,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

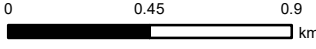




**Legend**

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

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**Project Title:**  
 Ballycar WF Bird Surveys

**Client:** Ballycar Green Energy

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

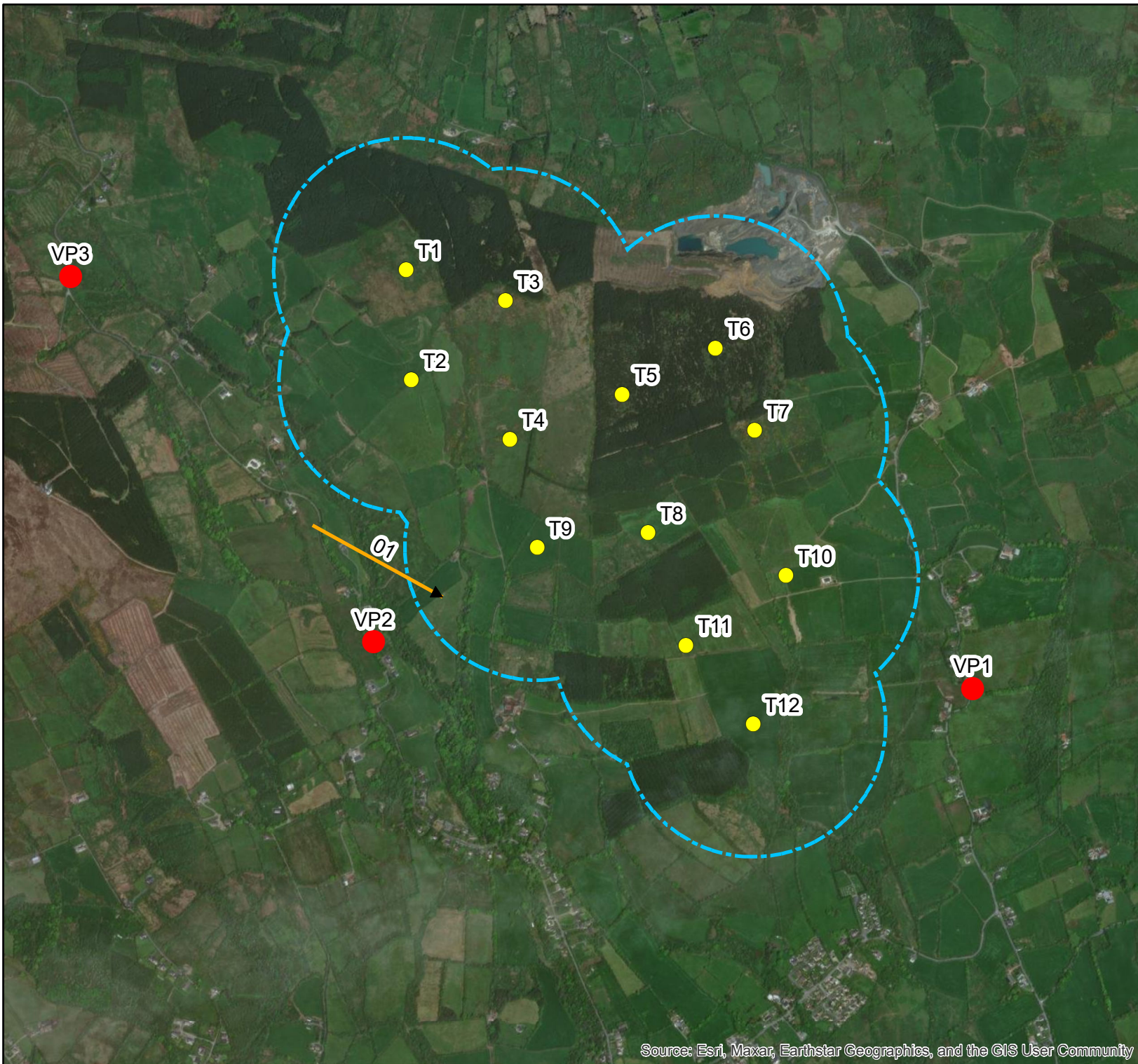
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**Date:** 12/09/2023      **Scale (A4):** 1:24,000



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





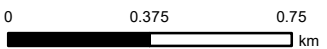
**Legend**

- 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

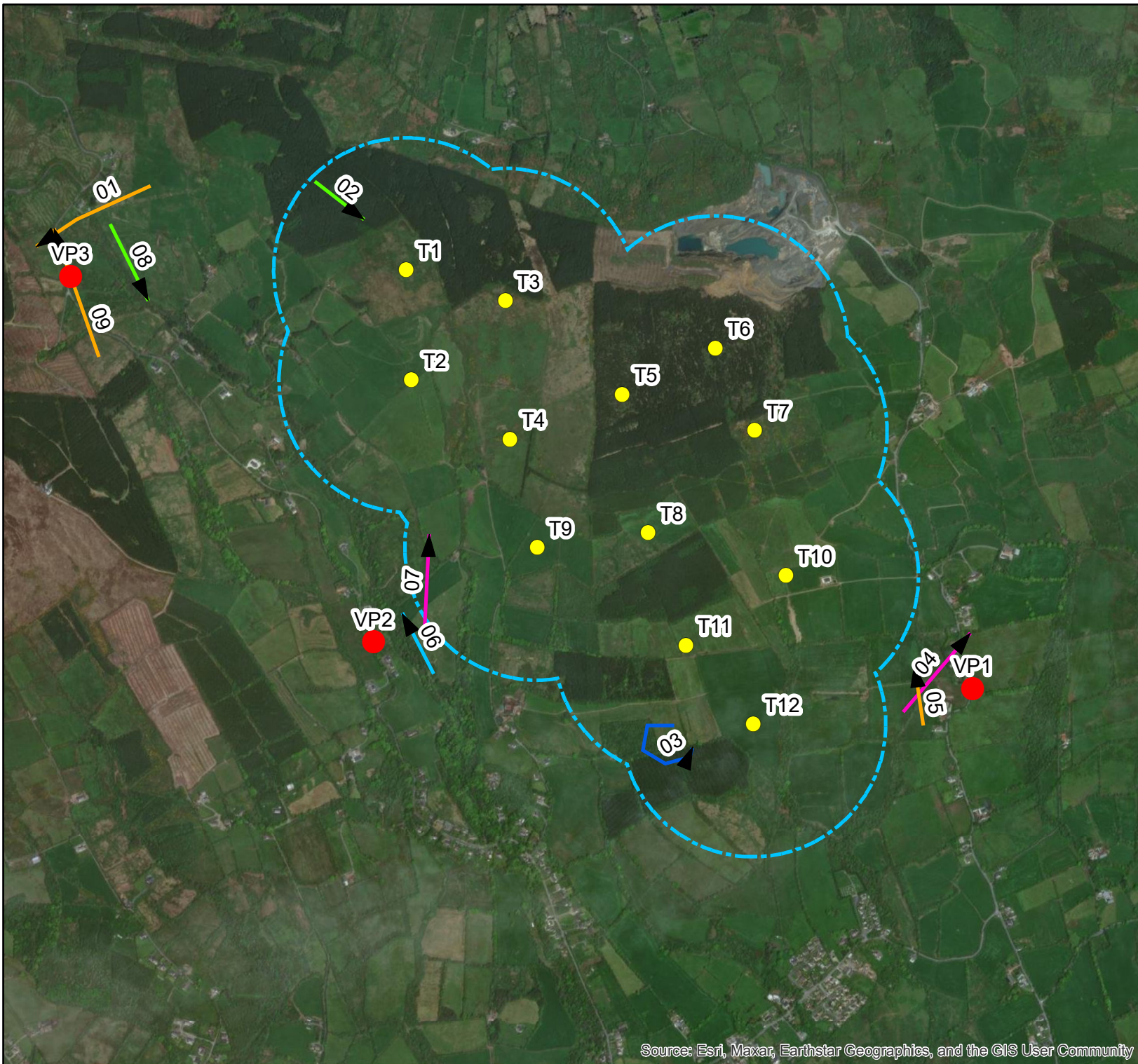
Drawn: VH      Checked: SK

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



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





**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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0 0.375 0.75 km

Project Title:  
 Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

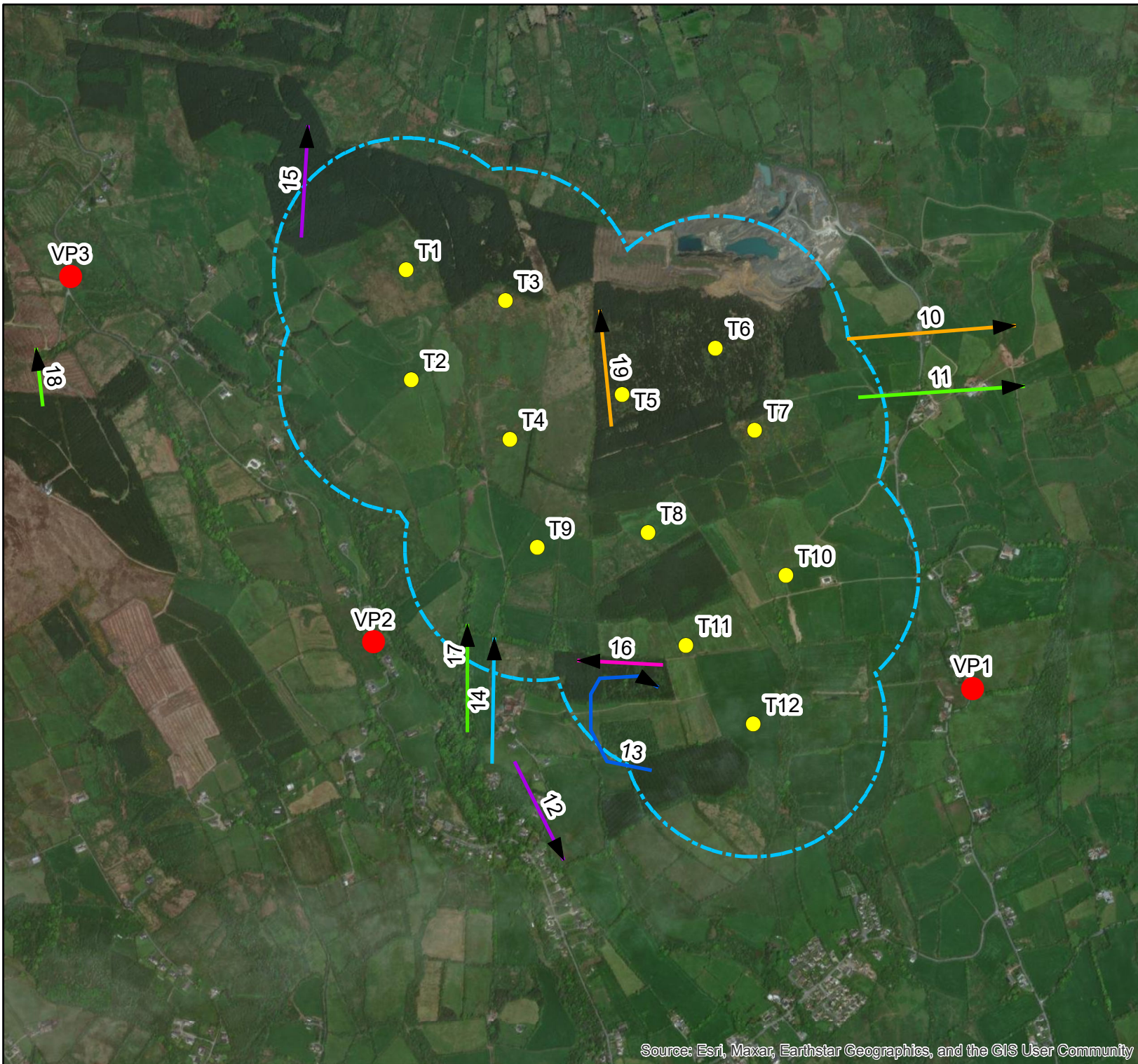
Drawn: VH      Checked: SK

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



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





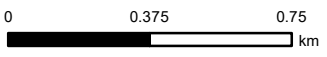
**Legend**

- 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

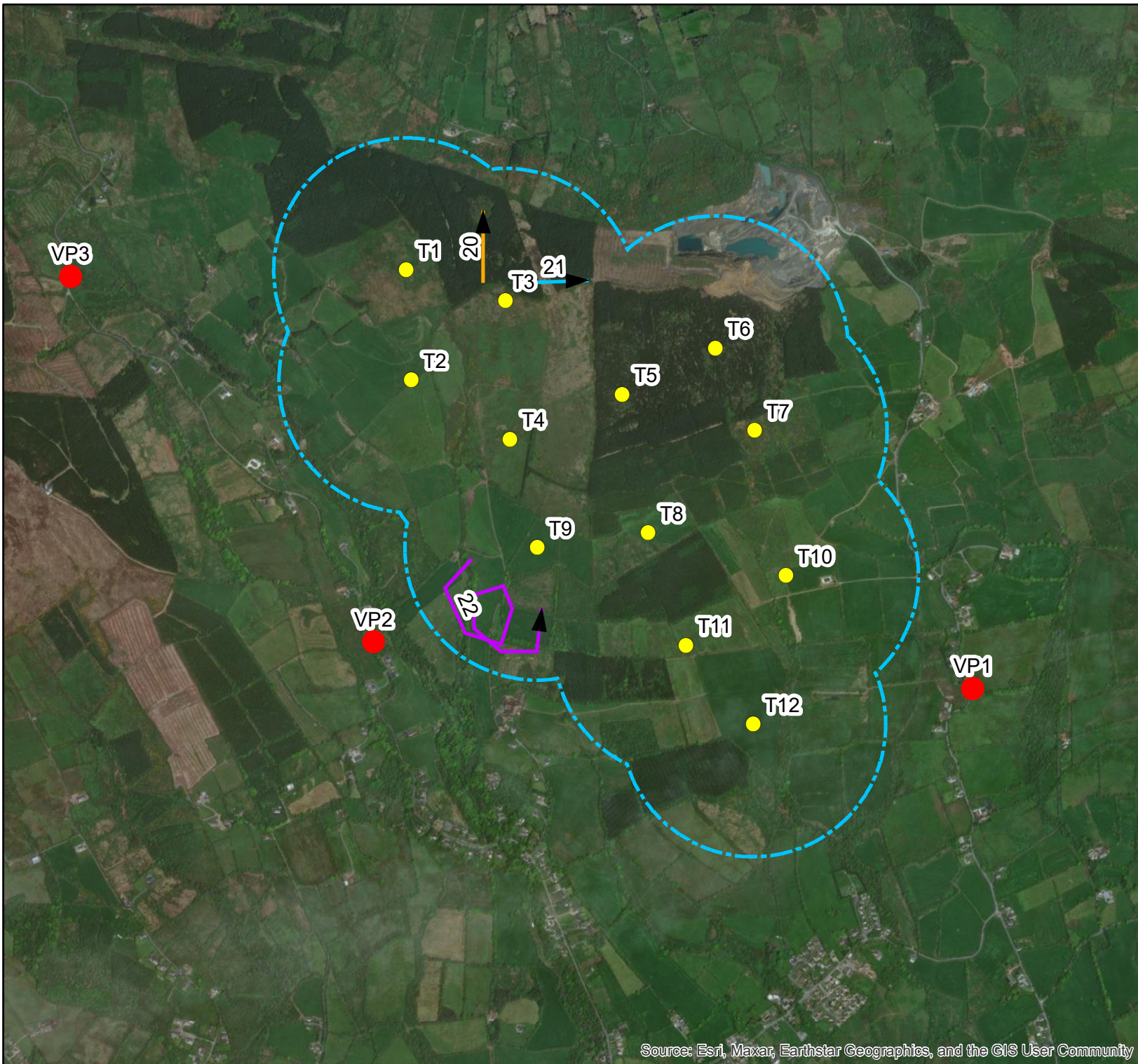
Drawing Title:  
Winter Bird Survey 2021 - 2022  
Map 2-2 Buzzard

Drawn: VH      Checked: SK

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







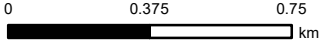
**Legend**

- 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

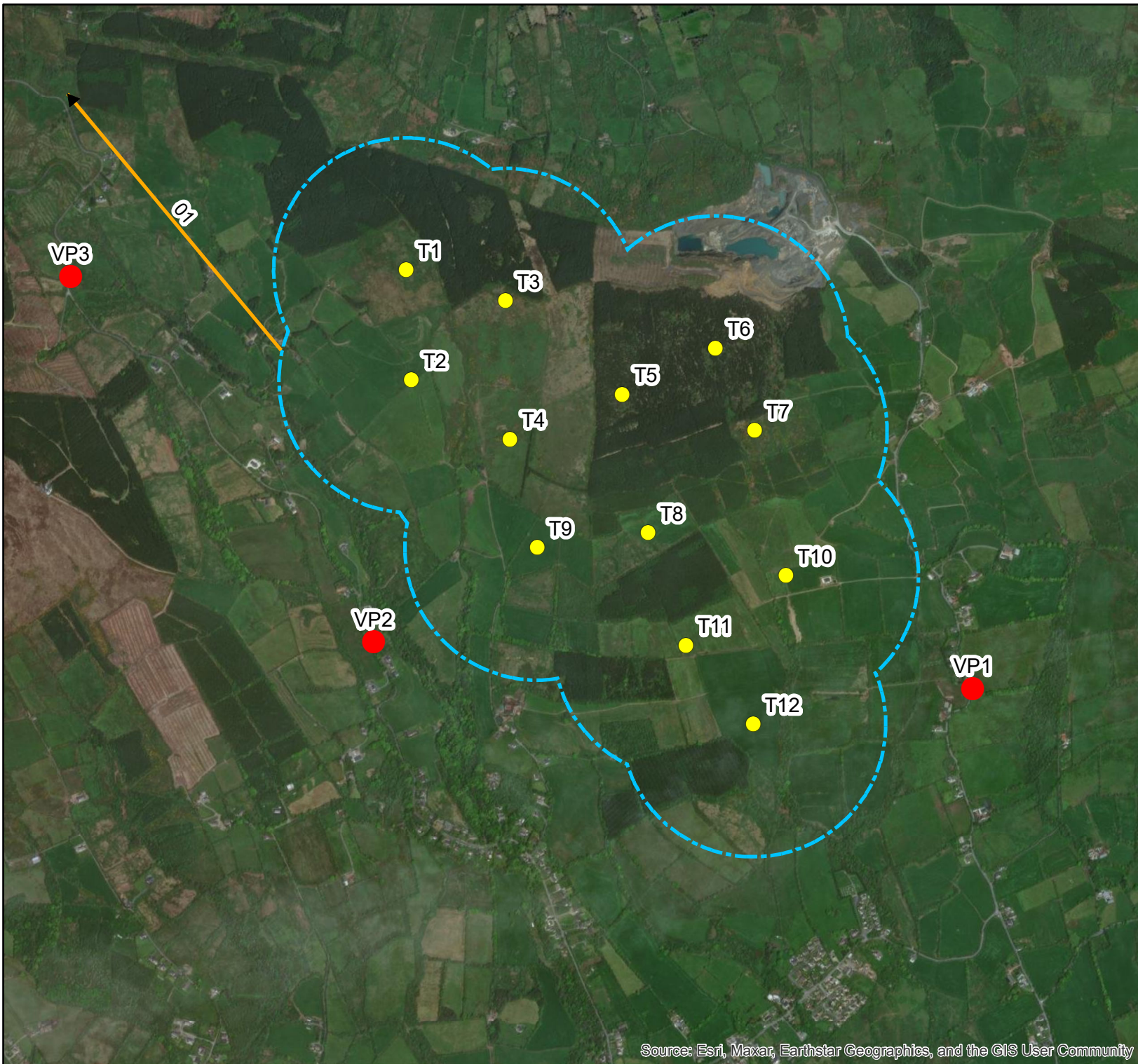
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





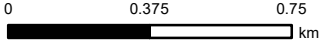
**Legend**

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

**Grey Heron Flight Path**

➔ 01, 20/01/2022

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Project Title:  
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

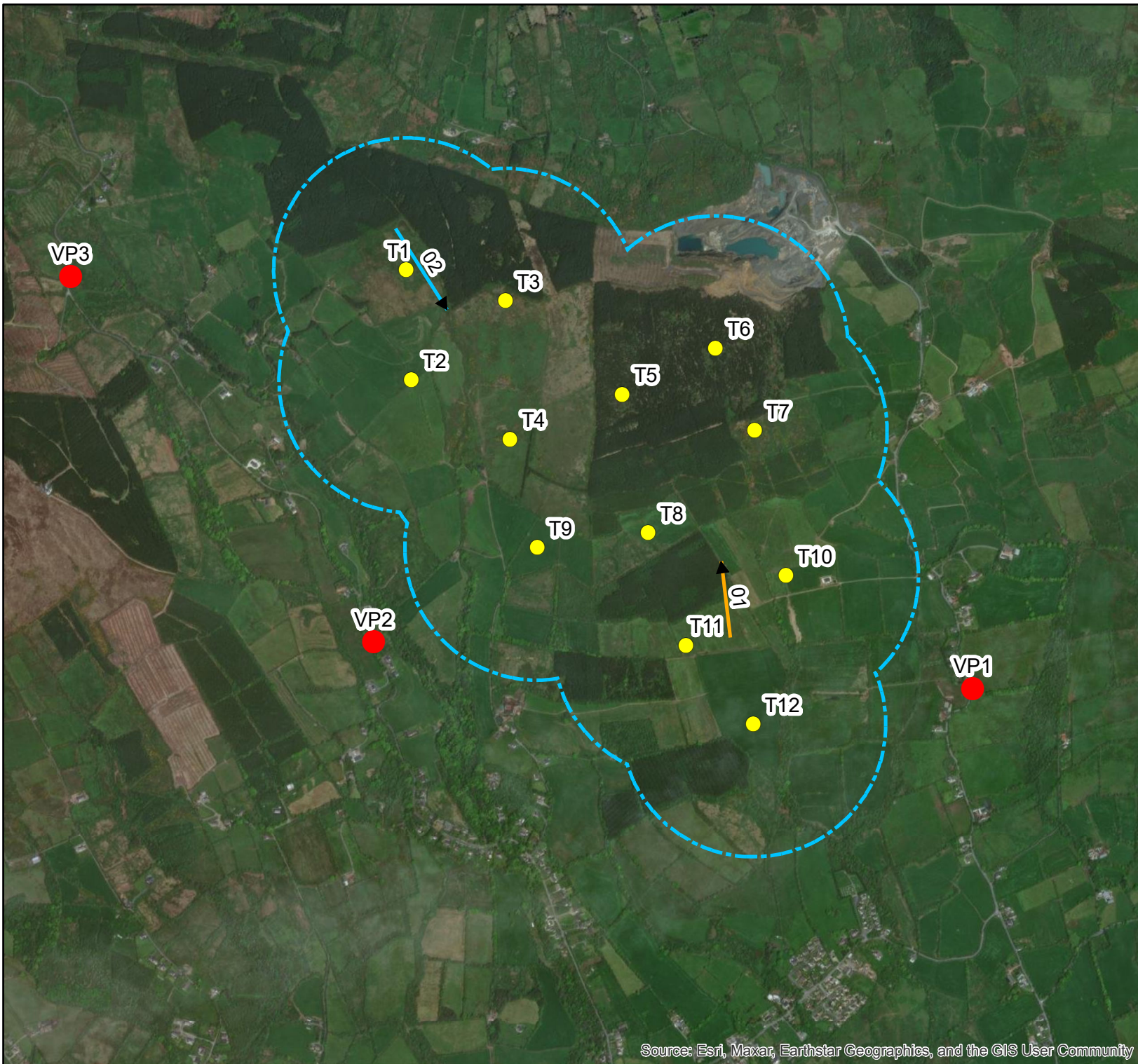
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





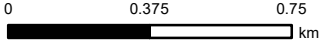
**Legend**

- 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

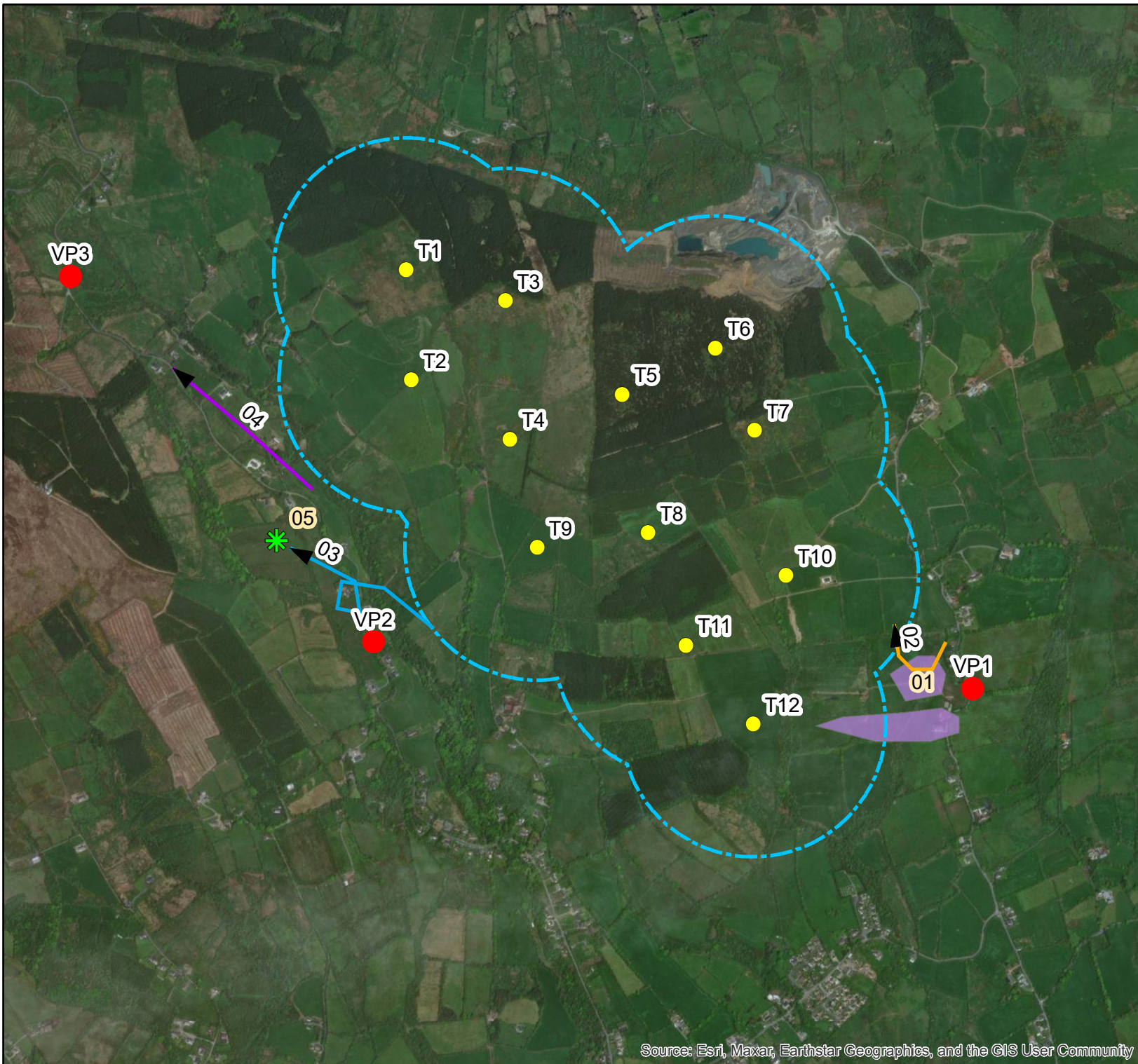
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





**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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0 0.375 0.75  
 km

**Project Title:**  
 Ballycar WF Bird Surveys

**Client:** Ballycar Green Energy

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

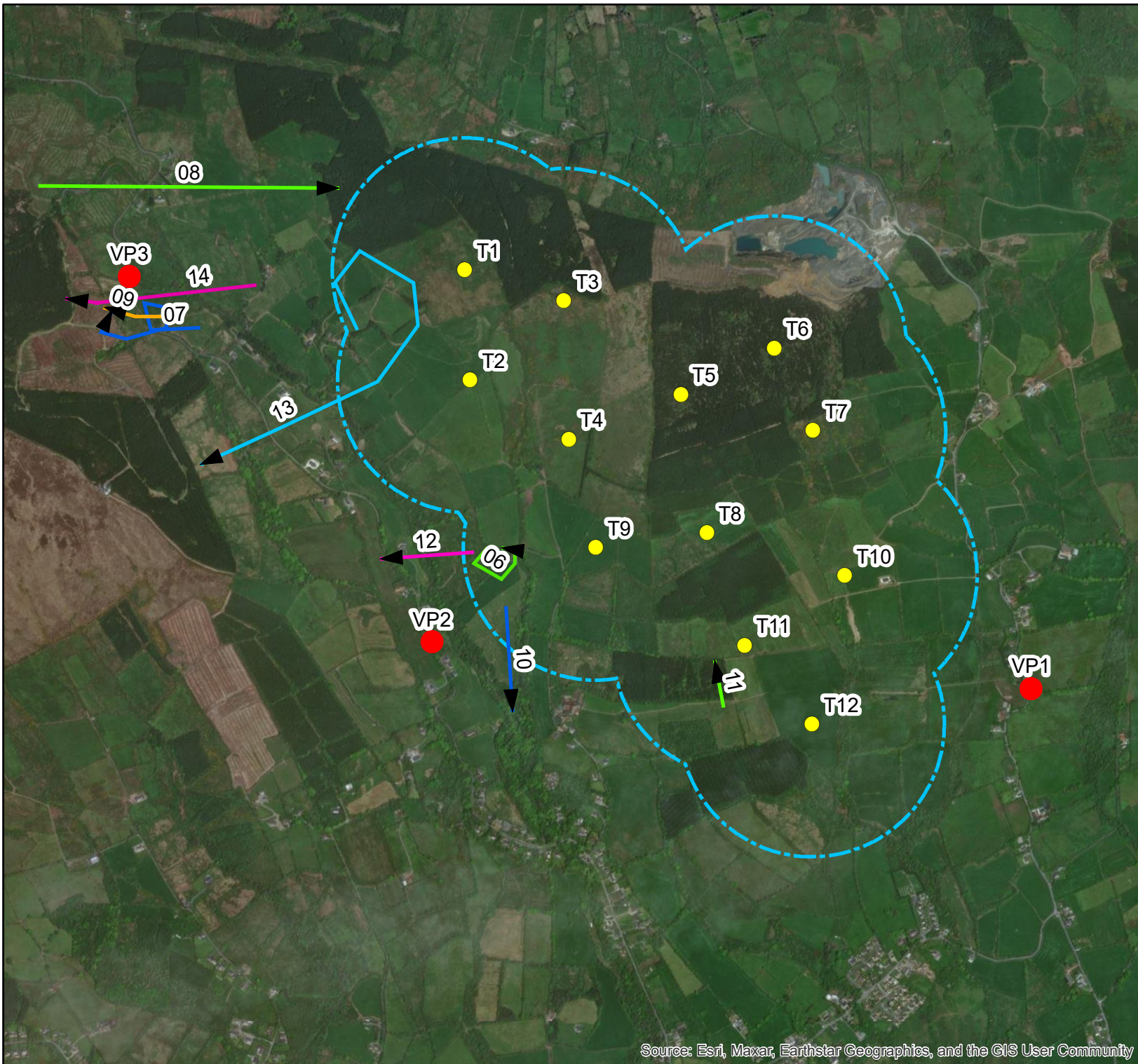
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





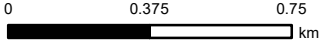
**Legend**

- Turbine Locations
- Vantage Point 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:  
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

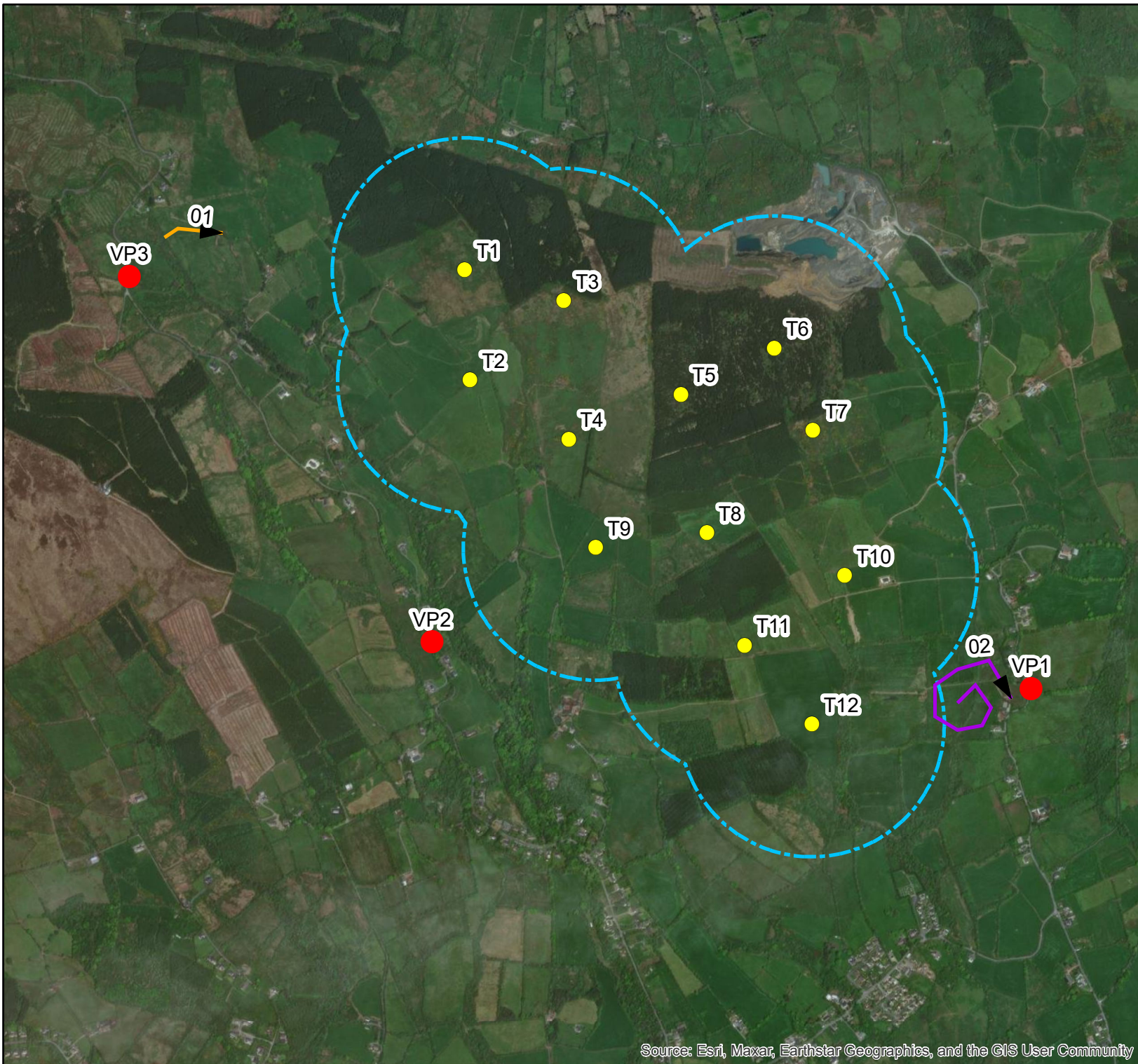
Drawn: VH      Checked: SK

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



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





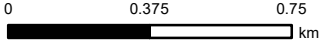
**Legend**

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

**Snipe Flight Path**

- ▶ 01, 12/11/2021
- ▶ 02, 21/01/2022

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Project Title:  
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

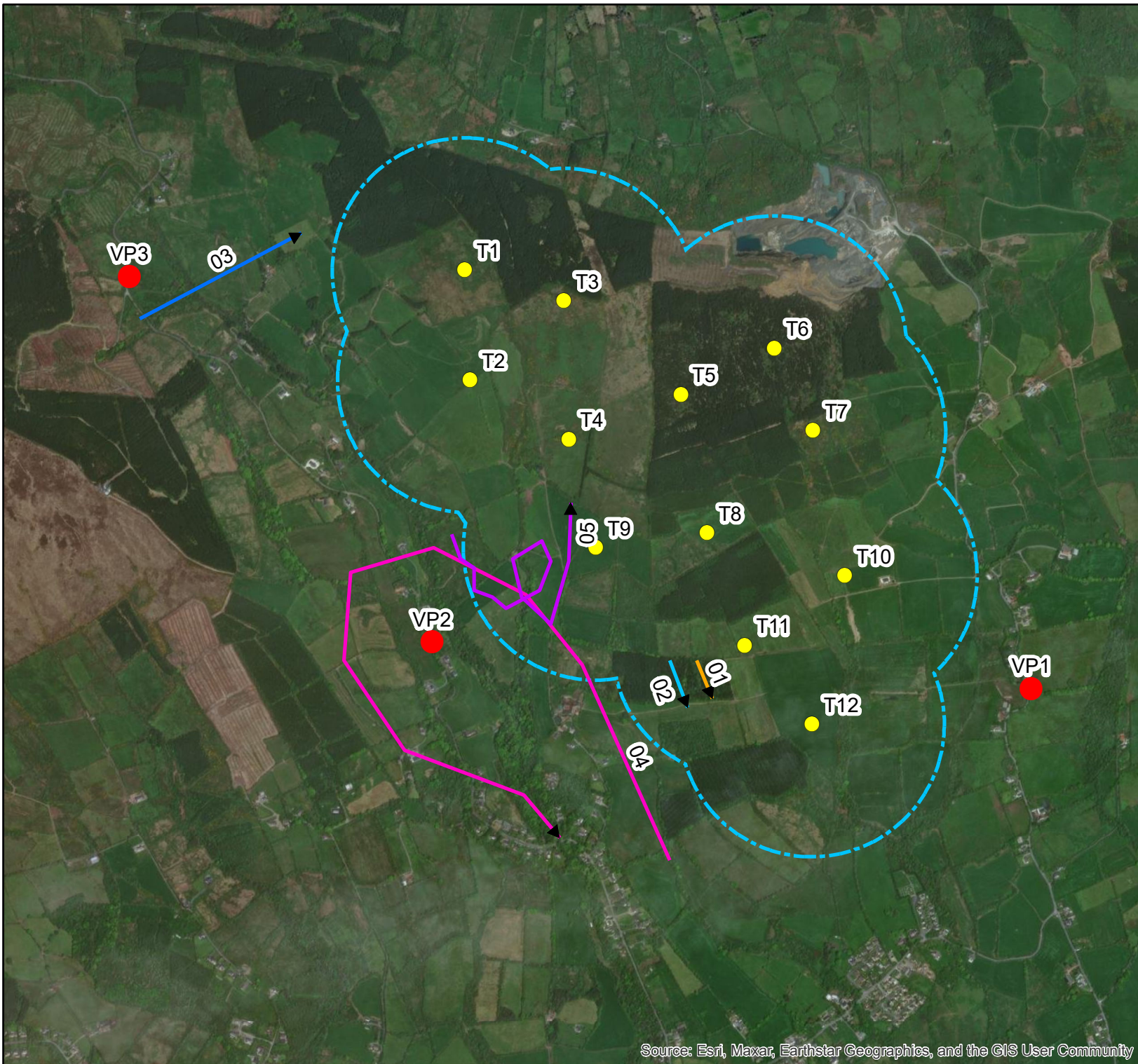
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





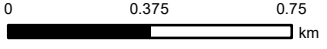
**Legend**

- 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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Project Title:  
Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

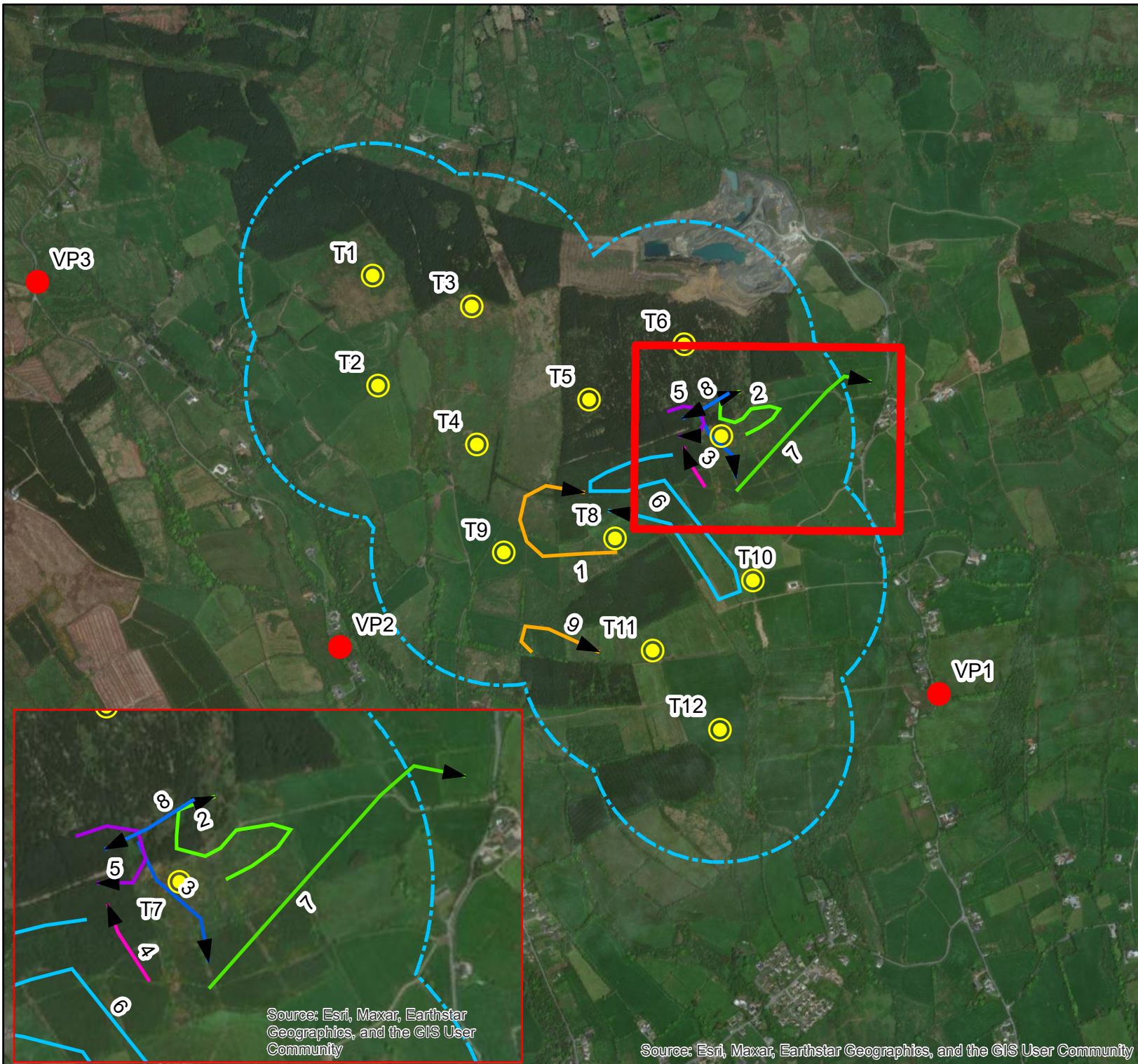
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





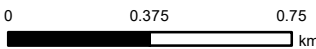
**Legend**

- 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

Drawn: VH      Checked: SK

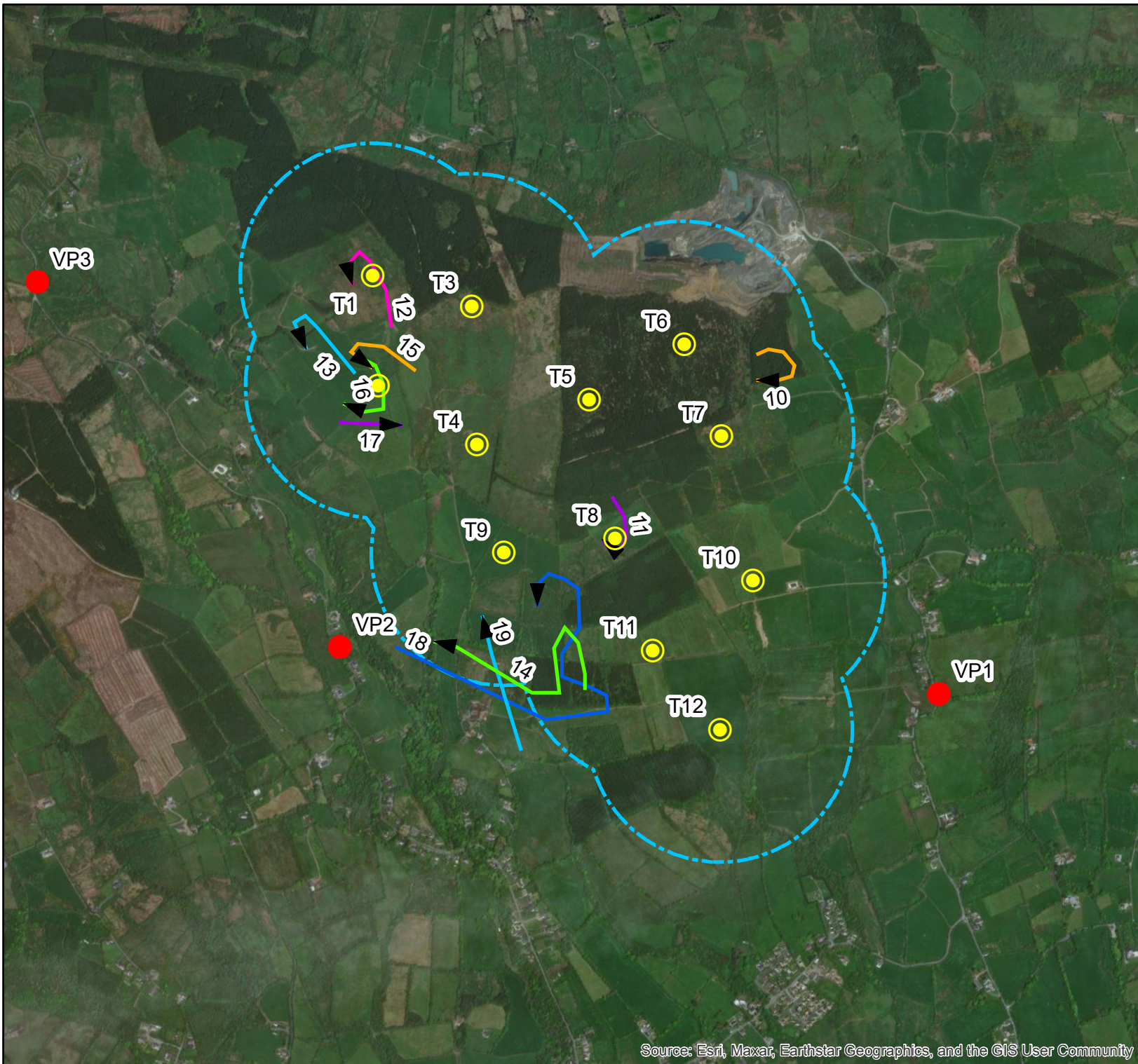
Date: 12/09/2023      Scale (A4): 1:20,000



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

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





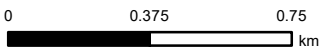
**Legend**

- Turbine Locations
- Vantage Point 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

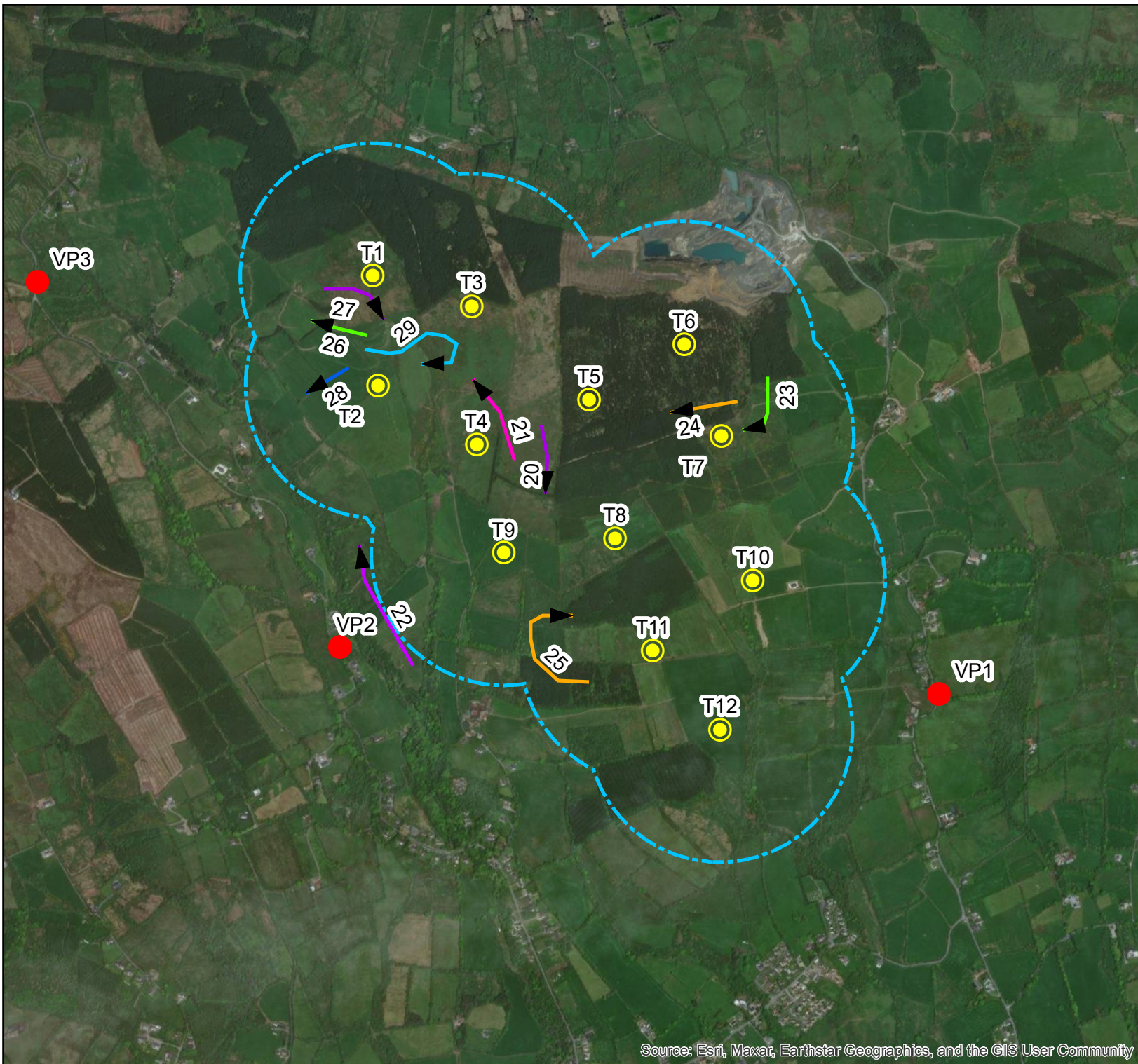
Drawing Title:  
Summer Bird Survey 2022  
Map 1-2 Buzzard

Drawn: VH      Checked: SK

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







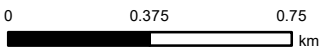
**Legend**

- 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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Project Title:  
21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

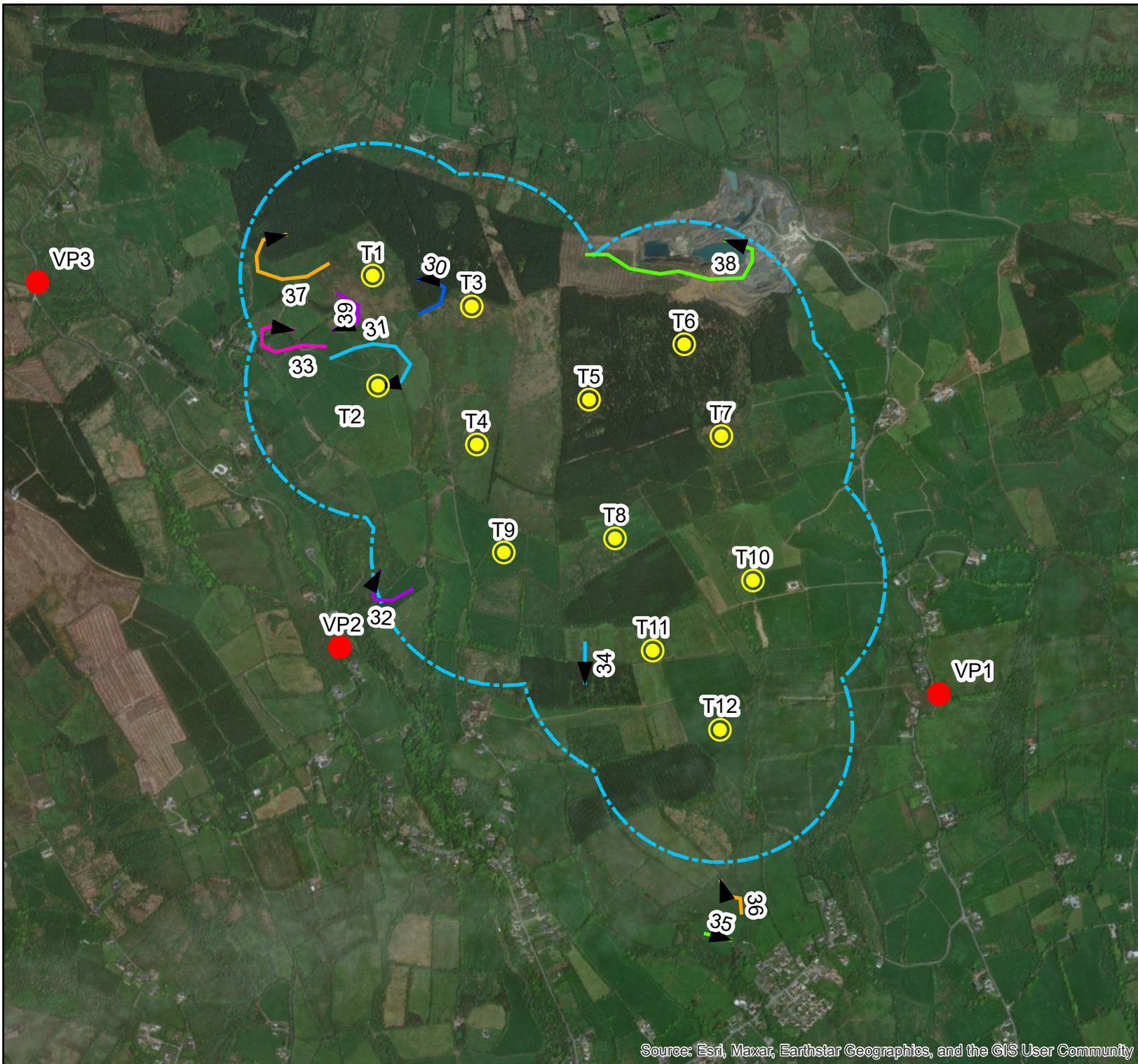
Drawing Title:  
Summer Bird Survey 2022  
Map 1-3 Buzzard

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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 CYAL50261645.

0 0.375 0.75 km

Project Title:  
 21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

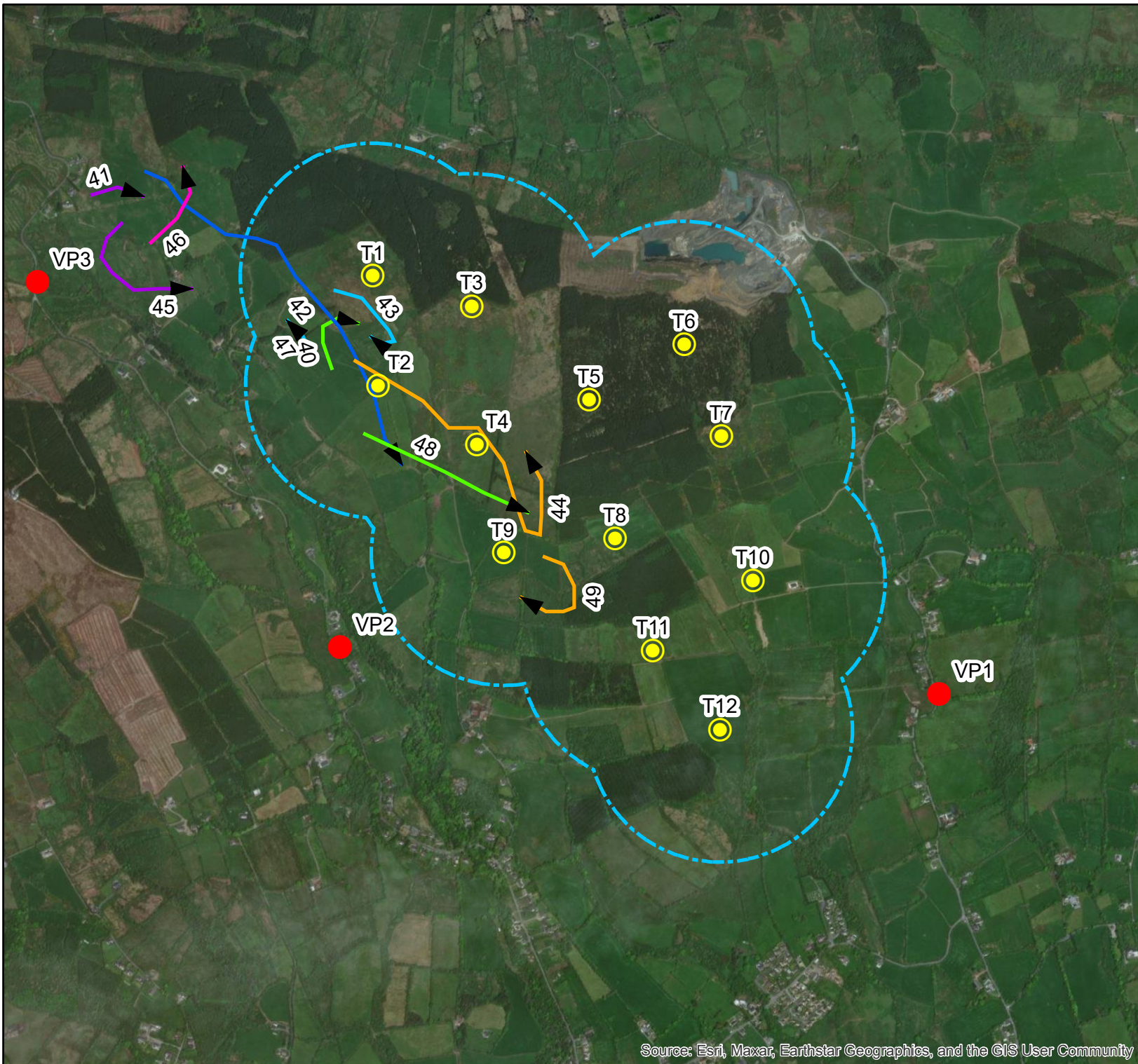
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





**Legend**

- Turbine Locations
- Vantage Point 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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 CYAL50261645.

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

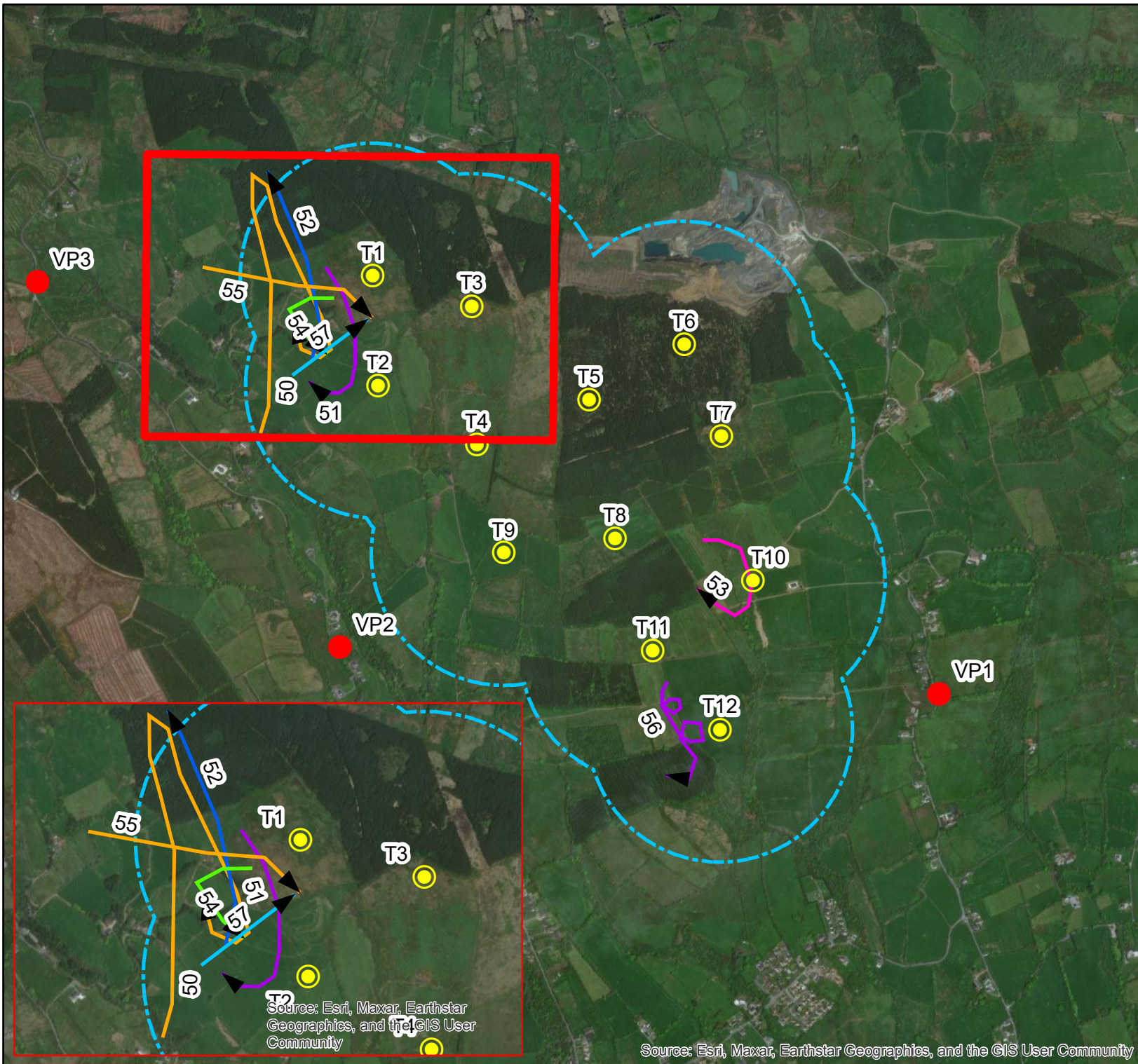
Drawn: VH	Checked: SK
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Date: 12/09/2023	Scale (A4): 1:20,000
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Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community





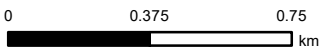
**Legend**

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

**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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Project Title:  
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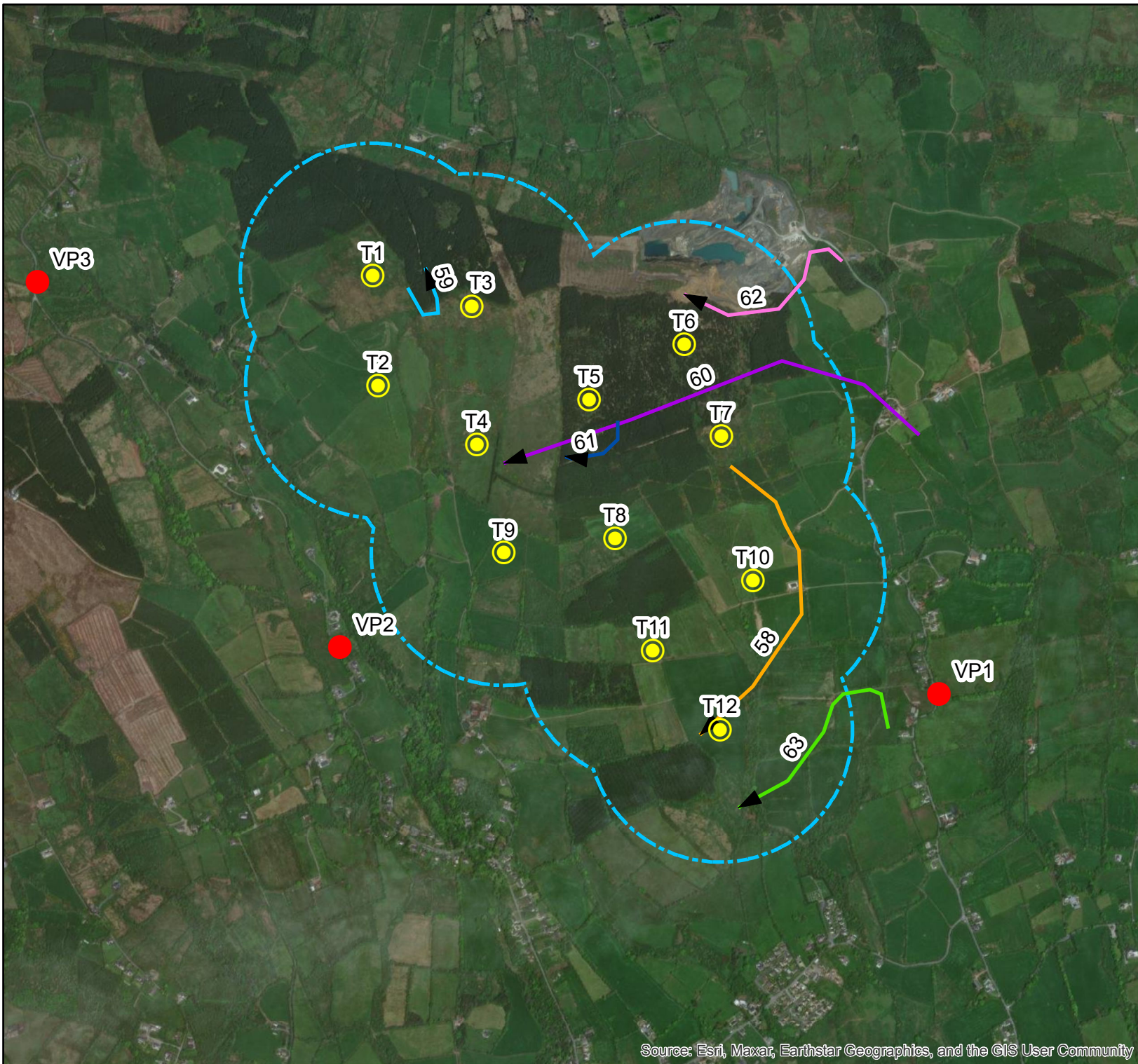
Client: Ballycar Green Energy

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

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







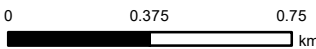
**Legend**

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

**Buzzard Flight Path**

- ▶ 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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21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

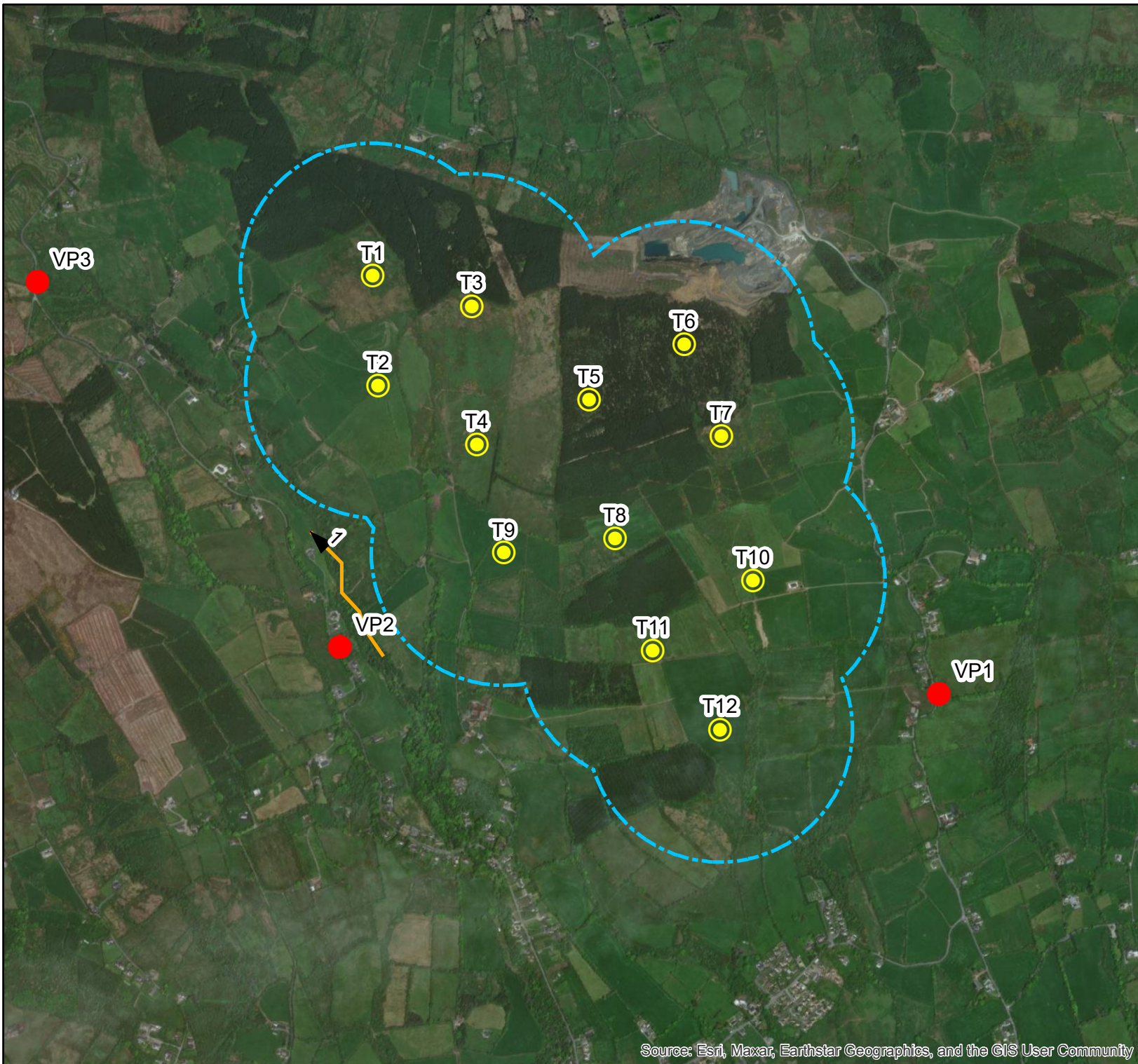
Drawing Title:  
Summer Bird Survey 2022  
Map 1-7 Buzzard

Drawn: VH      Checked: SK

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







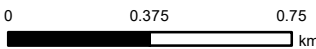
**Legend**

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

**Grey Heron Flight Path**

▶ 1, 30/05/2022

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Project Title:  
21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

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

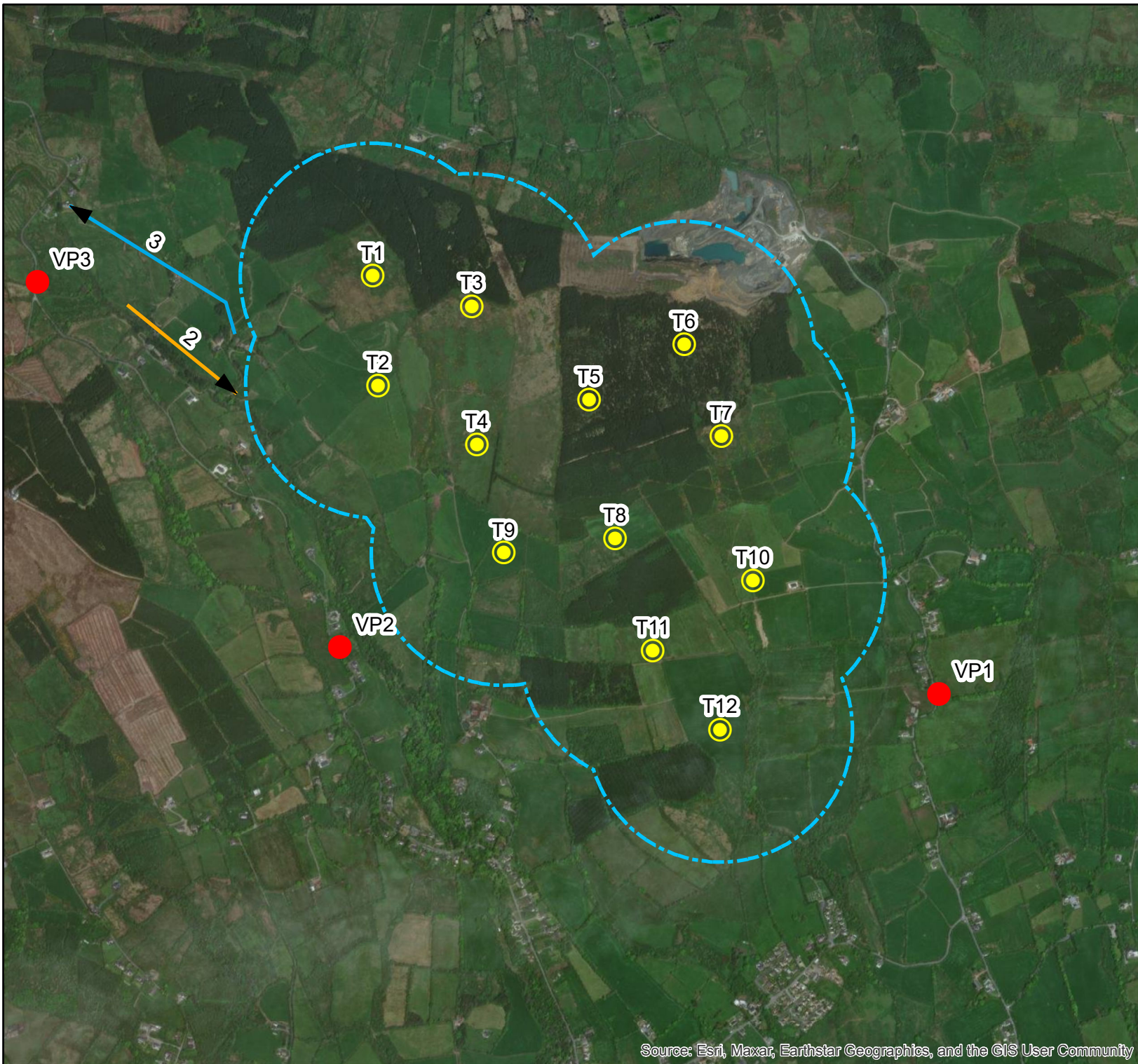
Drawn: VH      Checked: SK

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



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





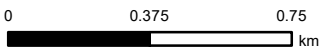
**Legend**

- 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

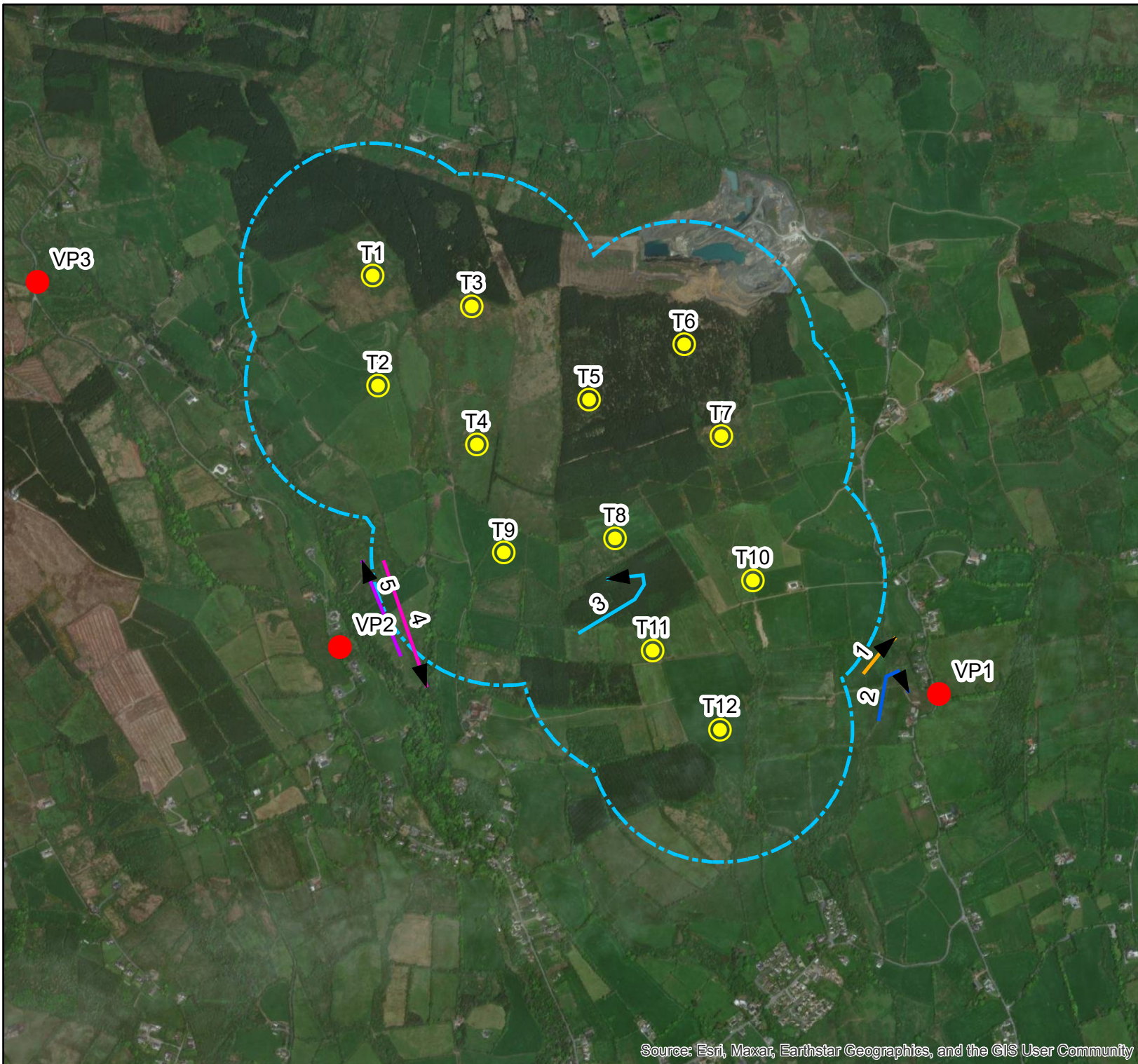
Drawing Title:  
Summer Bird Survey 2022  
Map 2-2 Grey Heron

Drawn: VH      Checked: SK

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







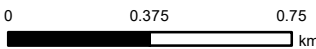
**Legend**

- 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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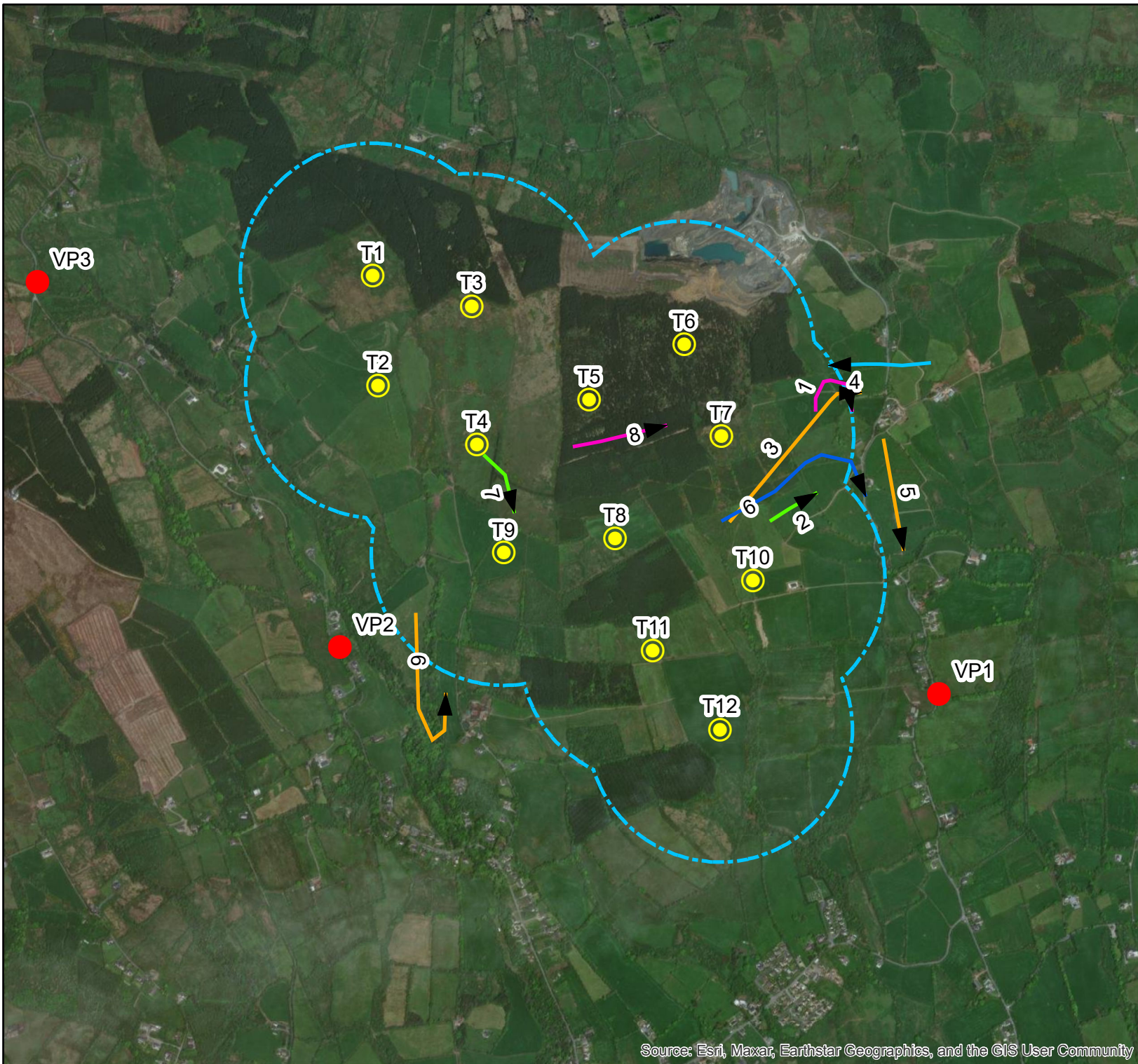
Client: Ballycar Green Energy

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

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







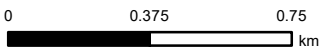
**Legend**

- 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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Project Title:  
21041 - Ballycar WF Bird Surveys

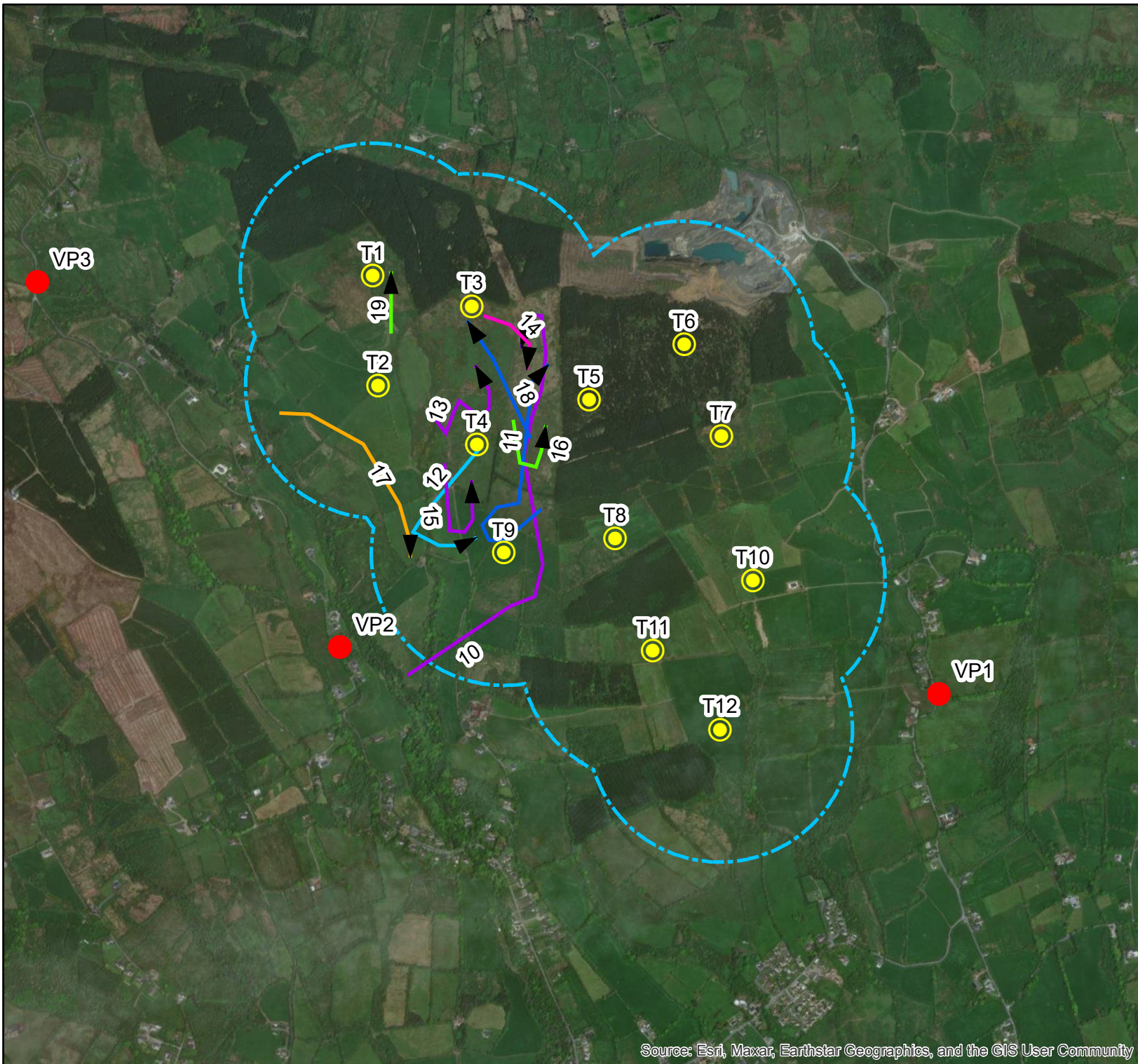
Client: Ballycar Green Energy

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

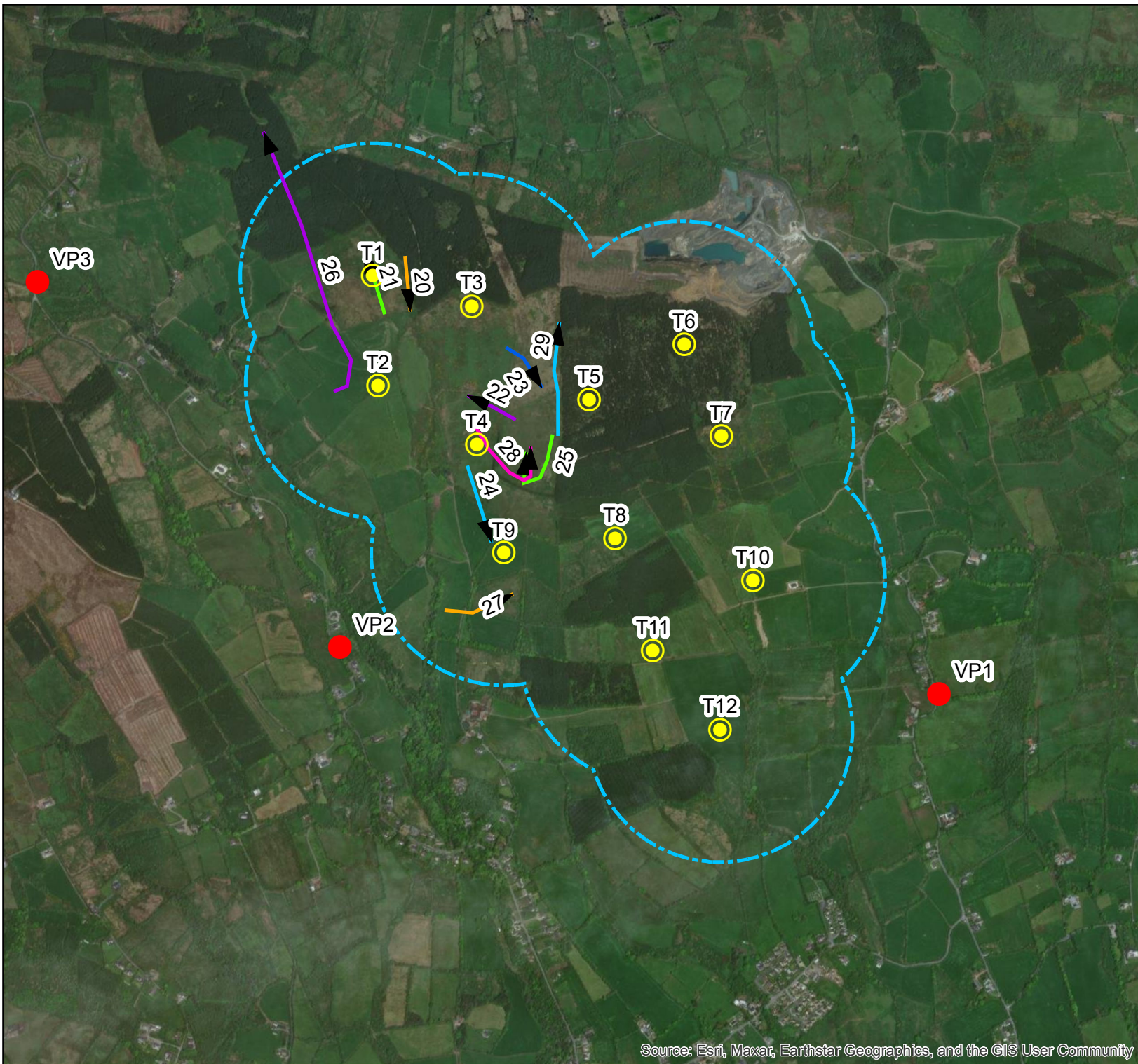
**Drawn:** VH      **Checked:** SK

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



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





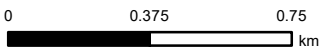
**Legend**

- 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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21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

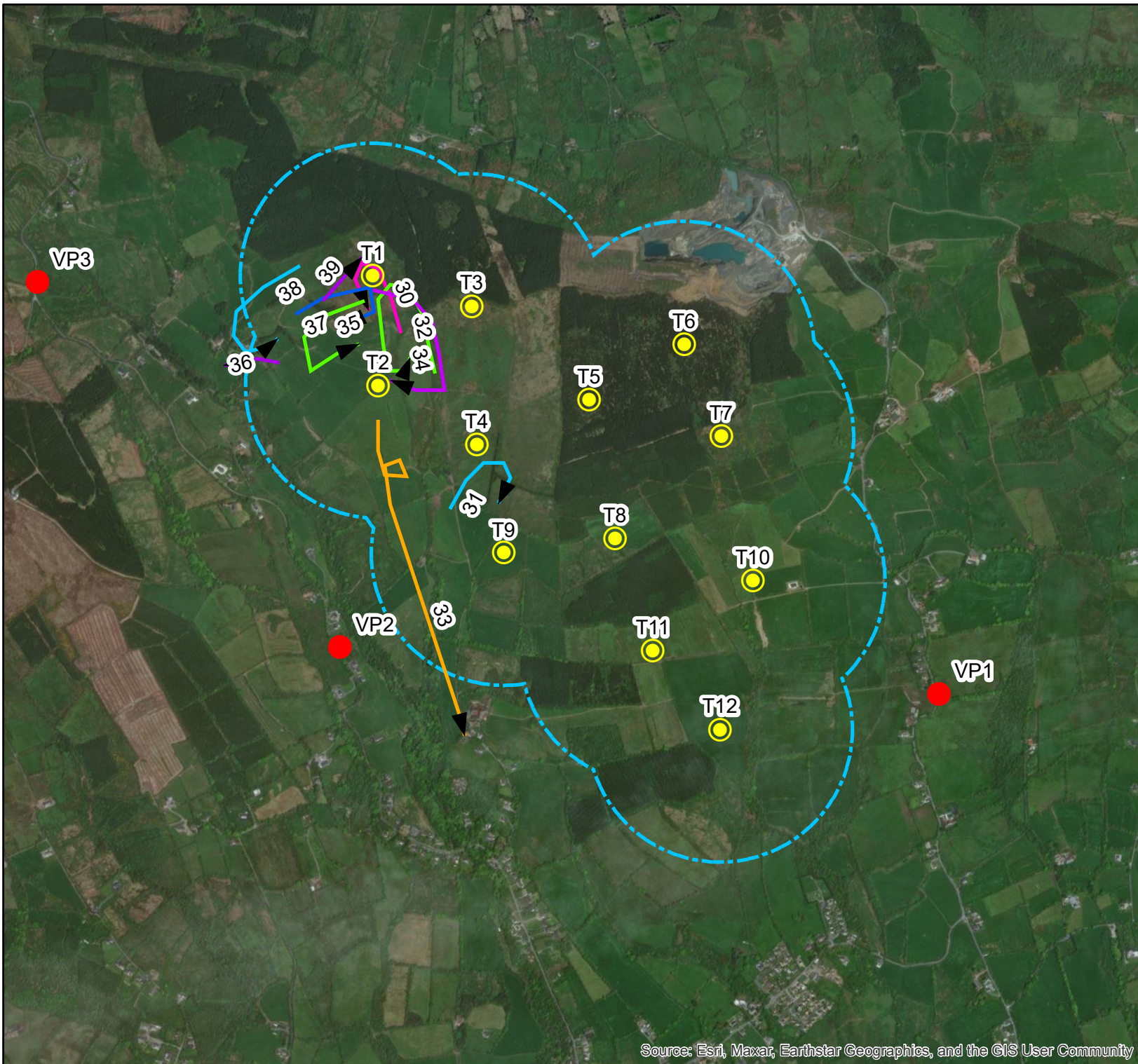
Drawing Title:  
Summer Bird Survey 2022  
Map 4-3 Kestrel

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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 CYAL50261645.

0 0.375 0.75 km

Project Title:  
 21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

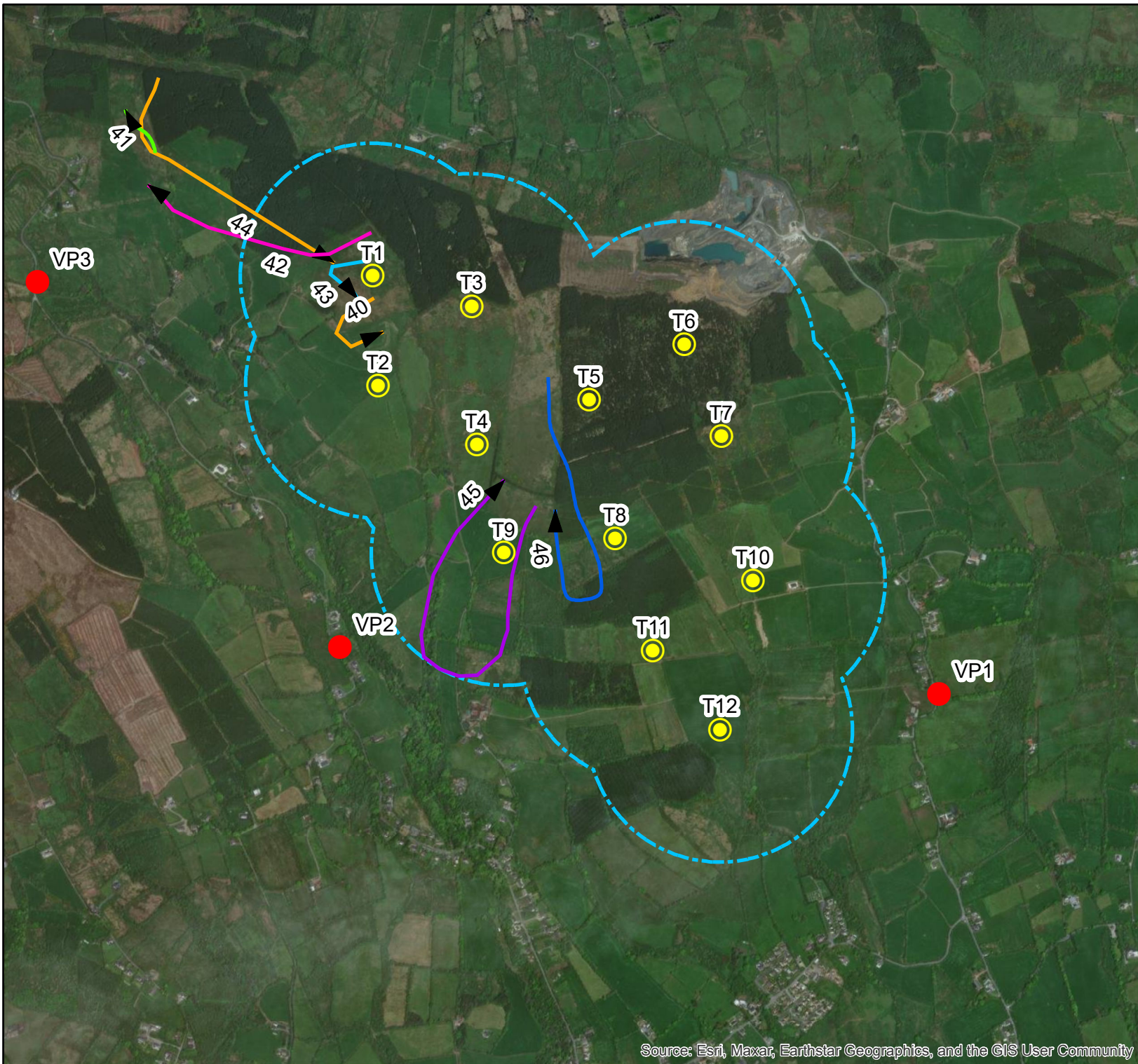
Drawing Title:  
 Summer Bird Survey 2022  
 Map 4-4 Kestrel

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**

- ▶ 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

Project Title:  
21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

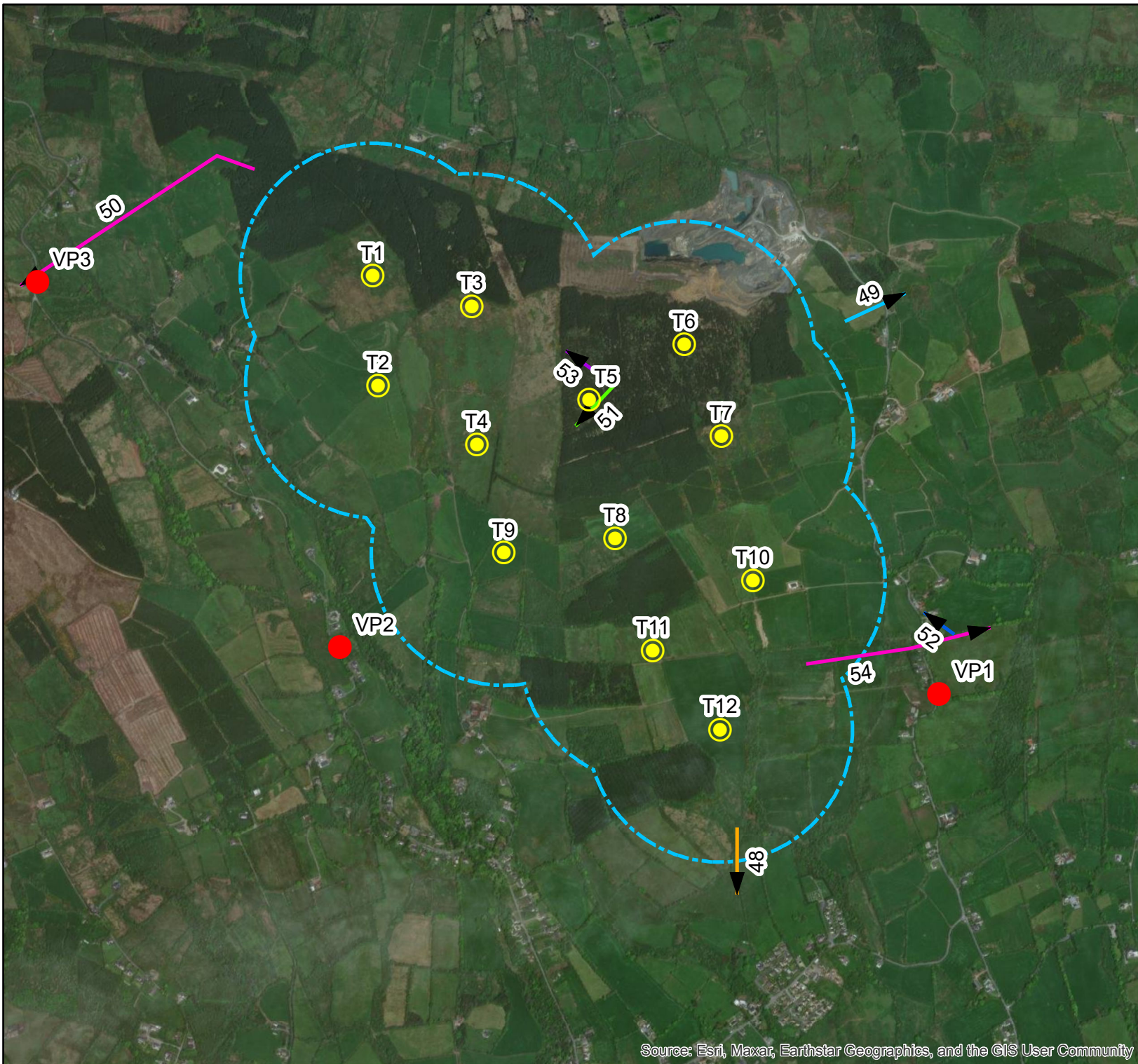
Drawing Title:  
Summer Bird Survey 2022  
Map 4-5 Kestrel

Drawn: VH      Checked: SK

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







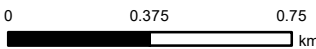
**Legend**

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

**Kestrel Flight Path**

- ▶ 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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Client: Ballycar Green Energy

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

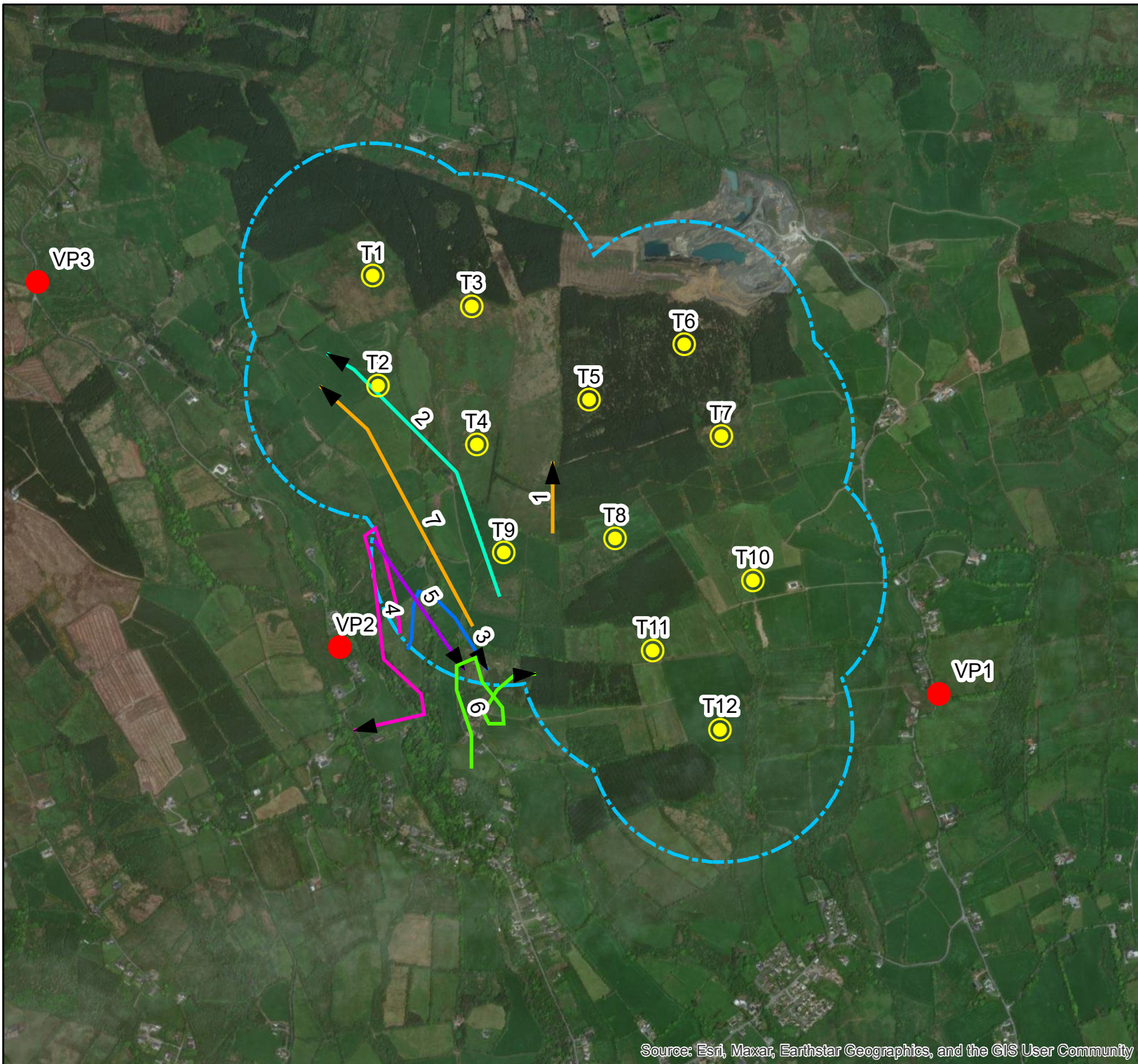
Drawn: VH      Checked: SK

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



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





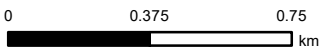
**Legend**

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

**Lesser Black-Backed Gull Flight Path**

- ▶ 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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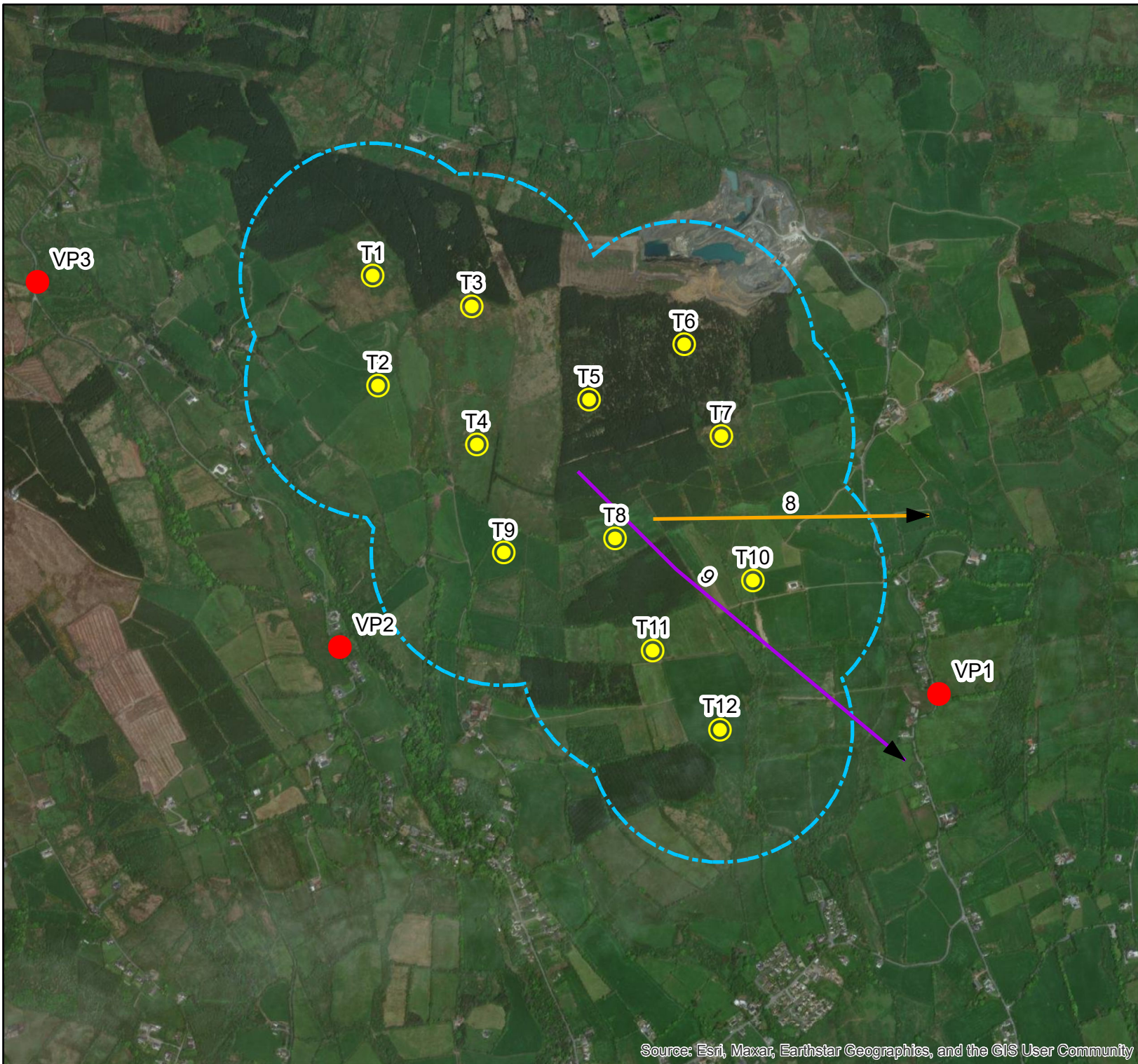
Client: Ballycar Green Energy

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







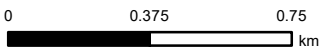
**Legend**

- 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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Project Title:  
21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

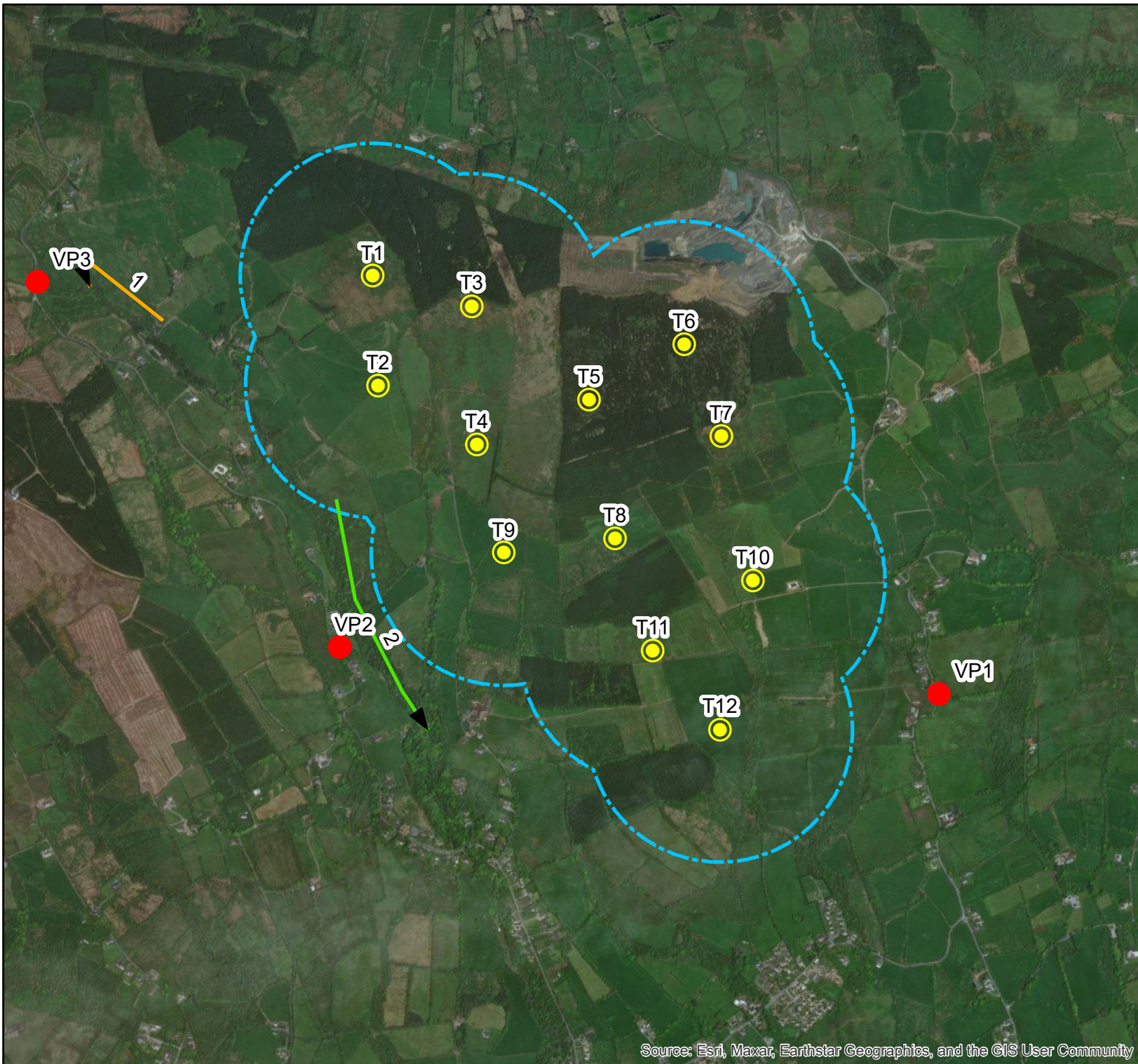
Drawing Title:  
Summer Bird Survey 2022  
Map 5-2 Lesser Black-Backed Gull

Drawn: VH      Checked: SK

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







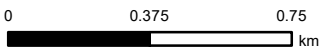
**Legend**

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

**Mallard Flight Path**

- 1, 31/03/2022
- 2, 20/04/2022

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Project Title:  
21041 - Ballycar WF Bird Surveys

Client: Ballycar Green Energy

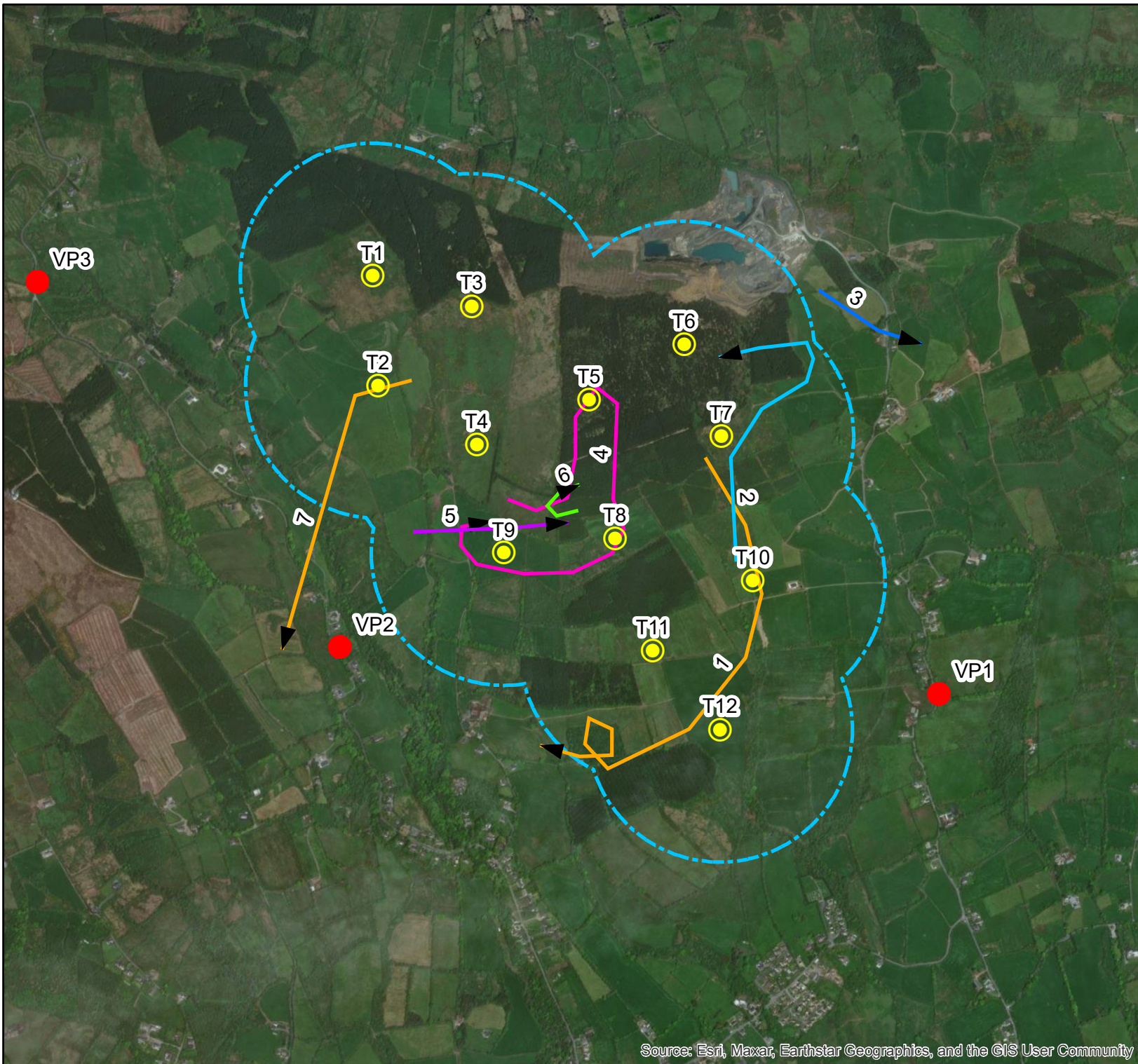
Drawing Title:  
Summer Bird Survey 2022  
Map 6-1 Mallard

Drawn: VH      Checked: SK

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







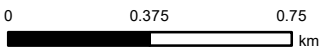
**Legend**

- 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

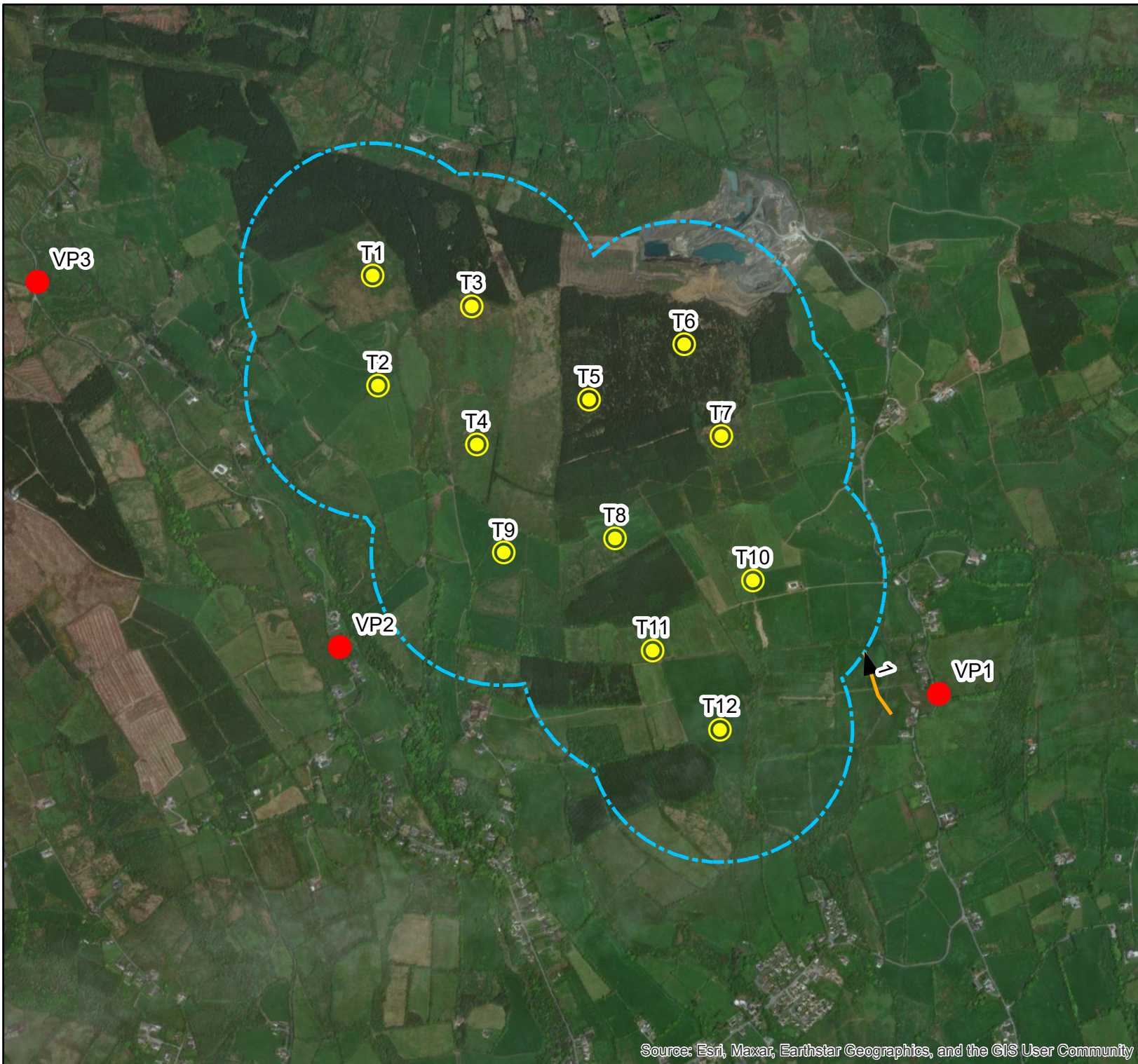
Drawing Title:  
Summer Bird Survey 2022  
Map 7-1 Peregrine

Drawn: VH      Checked: SK

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







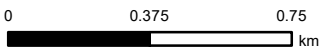
**Legend**

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

**Snipe Flight Path**

- ▶ 1, 20/04/2022 Snipe x 3

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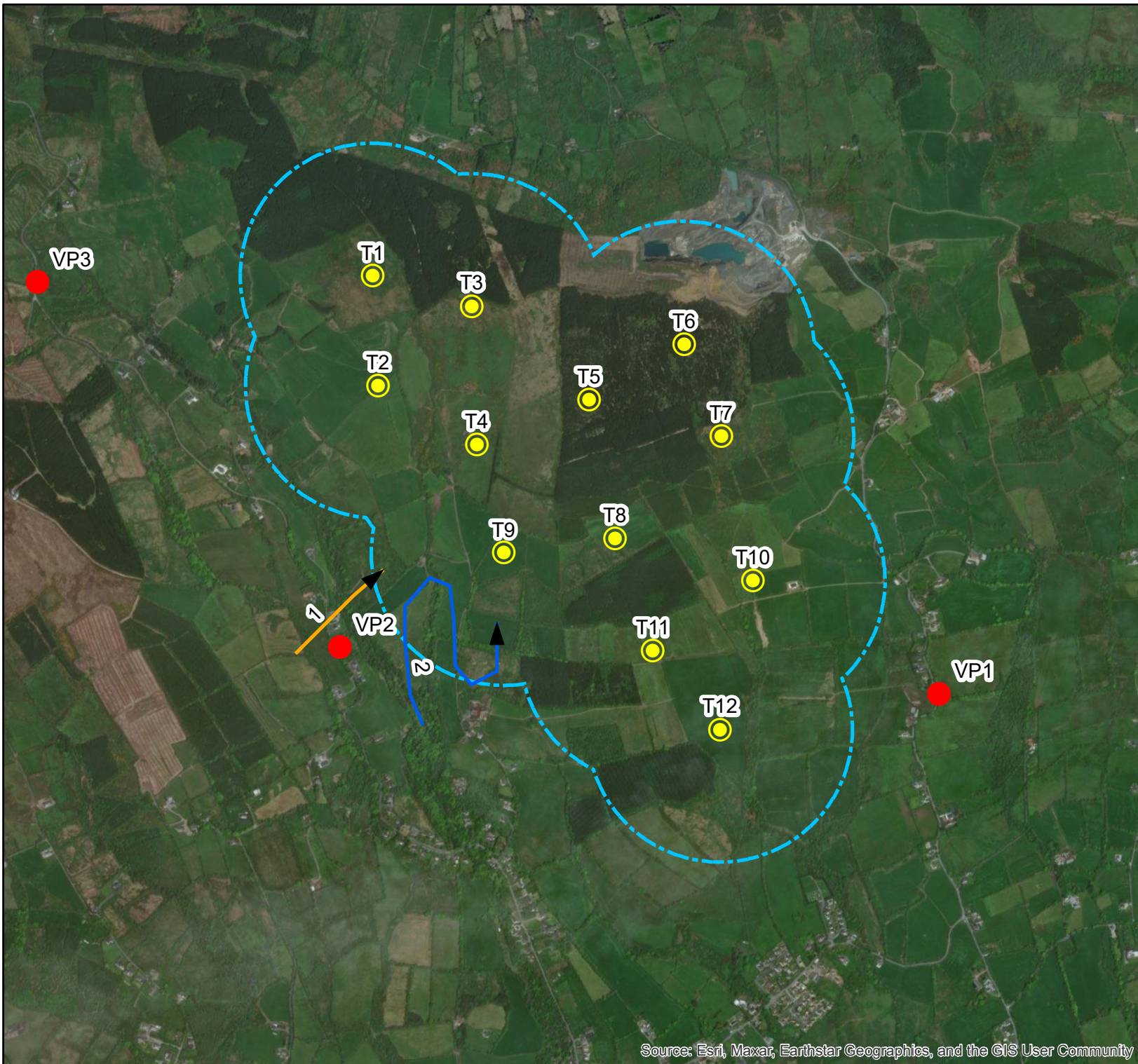
Client: Ballycar Green Energy

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

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







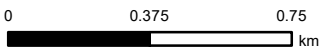
**Legend**

- 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

