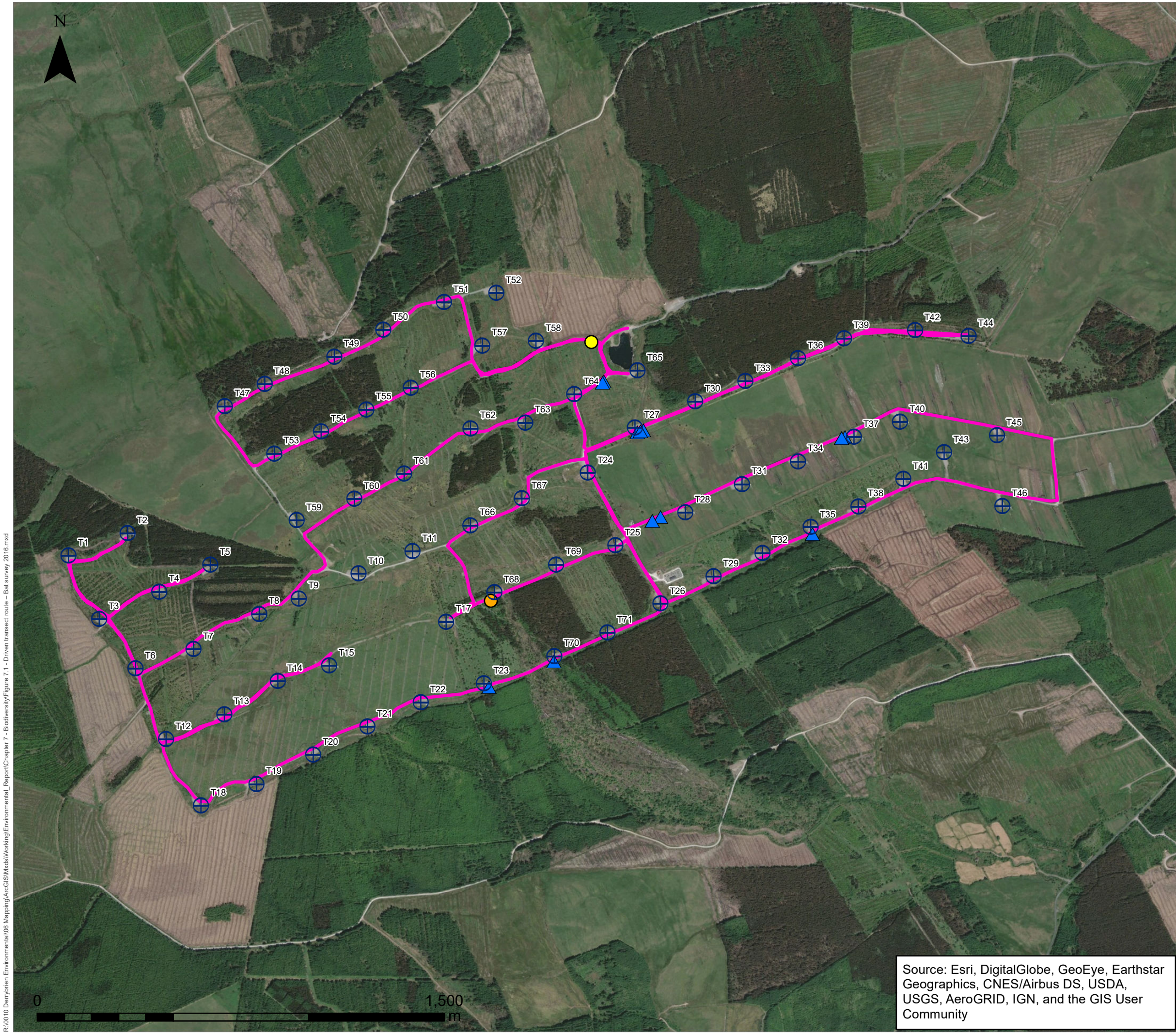




LEGEND

 Turbines

 Transect route

All bat passes

 Leisler's bat

 Common pipistrelle

 Soprano pipistrelle



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PROJECT TITLE

Derrybrien Wind Farm Project

DRAWING TITLE

Figure 7.1 - Driven transect route – Bat survey 2016

DATE: 25.05.2020

DRAWN: COH

CHECKED: RT

APPROVED: OG

SCALE: 1:13,500

STATUS: FINAL

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Sources: BSG Ecology survey data

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

R:\010 Derrybrien Environmental\06 Mapping\ArcGIS\Mapx\Working\Environmental_Report\Chapter 7 - Biodiversity\Figure 7.1 - Driven transect route - Bat survey 2016.mxd



R:\010 Derrybrien Environmental\06 Mapping\ArcGIS\MapX\Working\Environmental_Report\Chapter 7 - Biodiversity\Figure 7.2 - Turbine and bat detector locations (2016).mxd

LEGEND

-  Turbines
-  Detector locations (2016)

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PROJECT TITLE
Derrybrien Wind Farm Project

DRAWING TITLE
Figure 7.2 - Turbine and bat detector locations (2016)

DATE: 25.05.2020
DRAWN: COH
CHECKED: RT
APPROVED: OG
SCALE: 1:12,500
STATUS: FINAL

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R:\010 Derrybrien Environmental\06 Mapping\ArcGIS\Mapxds\Working\Environmental_Report\Chapter 7 - Biodiversity\Figure 7.3 Turbine and Bat Detector Locations 2019.mxd



LEGEND

-  Turbines
-  Detector locations (2019)

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JOB REF: P19-597

PROJECT TITLE
Derrybrien Wind Farm Project

DRAWING TITLE
Figure 7.3 - Turbine and bat detector locations (2019)

DATE: 25.05.2020	CHECKED: RT	SCALE: 1:12,500
DRAWN: COH	APPROVED: OG	STATUS: FINAL

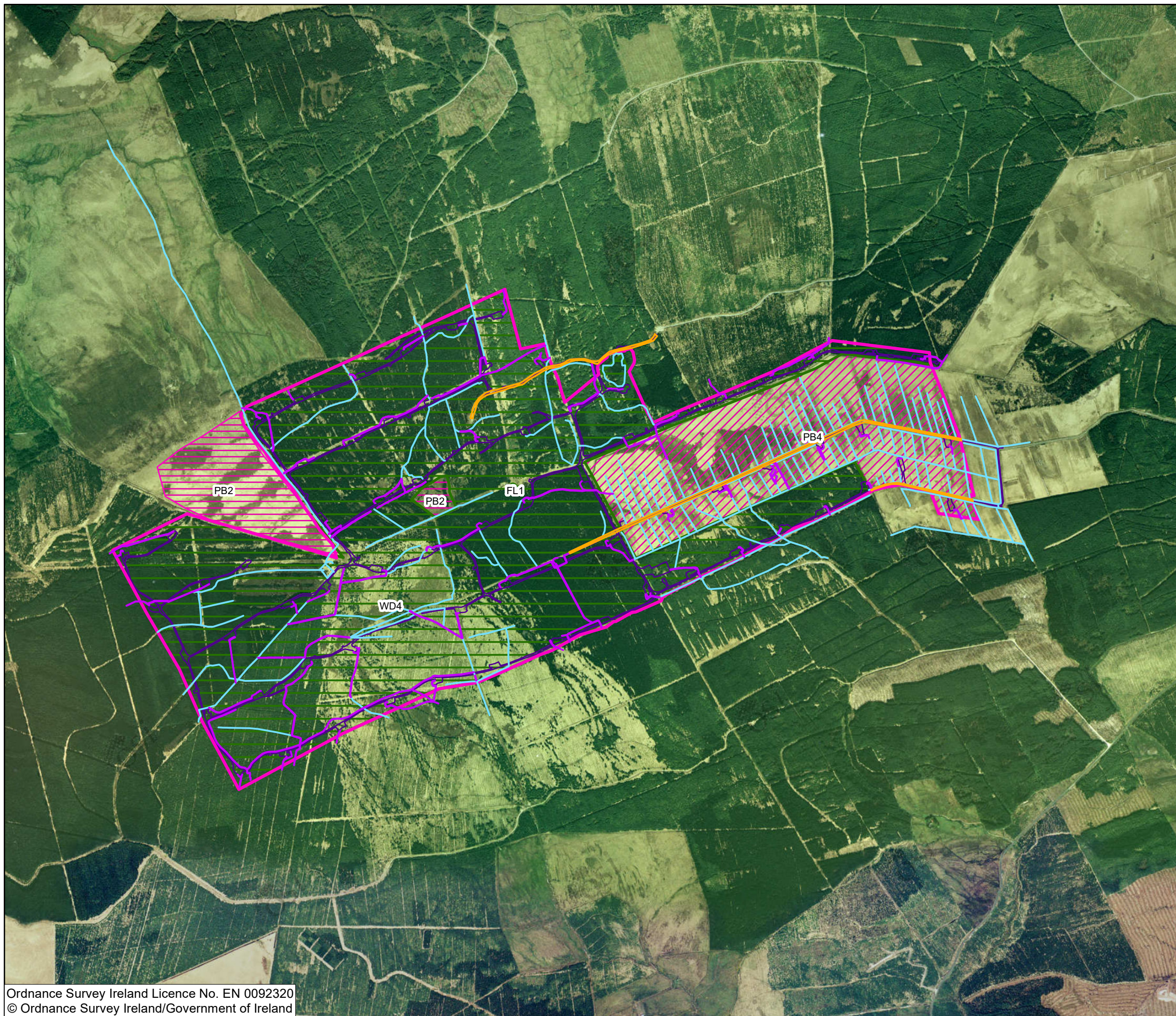
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Geographics, CNES/Airbus DS, USDA,
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Legend

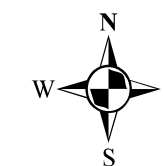
- Pre-Existing Drainage
- Constructed Drainage
- Derrybrien Wind Farm Site
- Access tracks and roads
- Road and hardstands (proposed)

Habitats (2000)

- FL1 Dystrophic lakes
- PB2 Upland blanket bog
- PB4 Cutover bog
- WD4 Conifer plantation

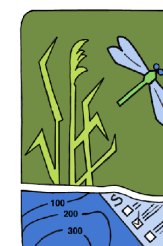
Basemap: OSI Aerial Photography dated 2000.

Figure 7.6 -Pre-construction habitat map of Derrybrien Wind Farm site overlain on aerial photography (2000)

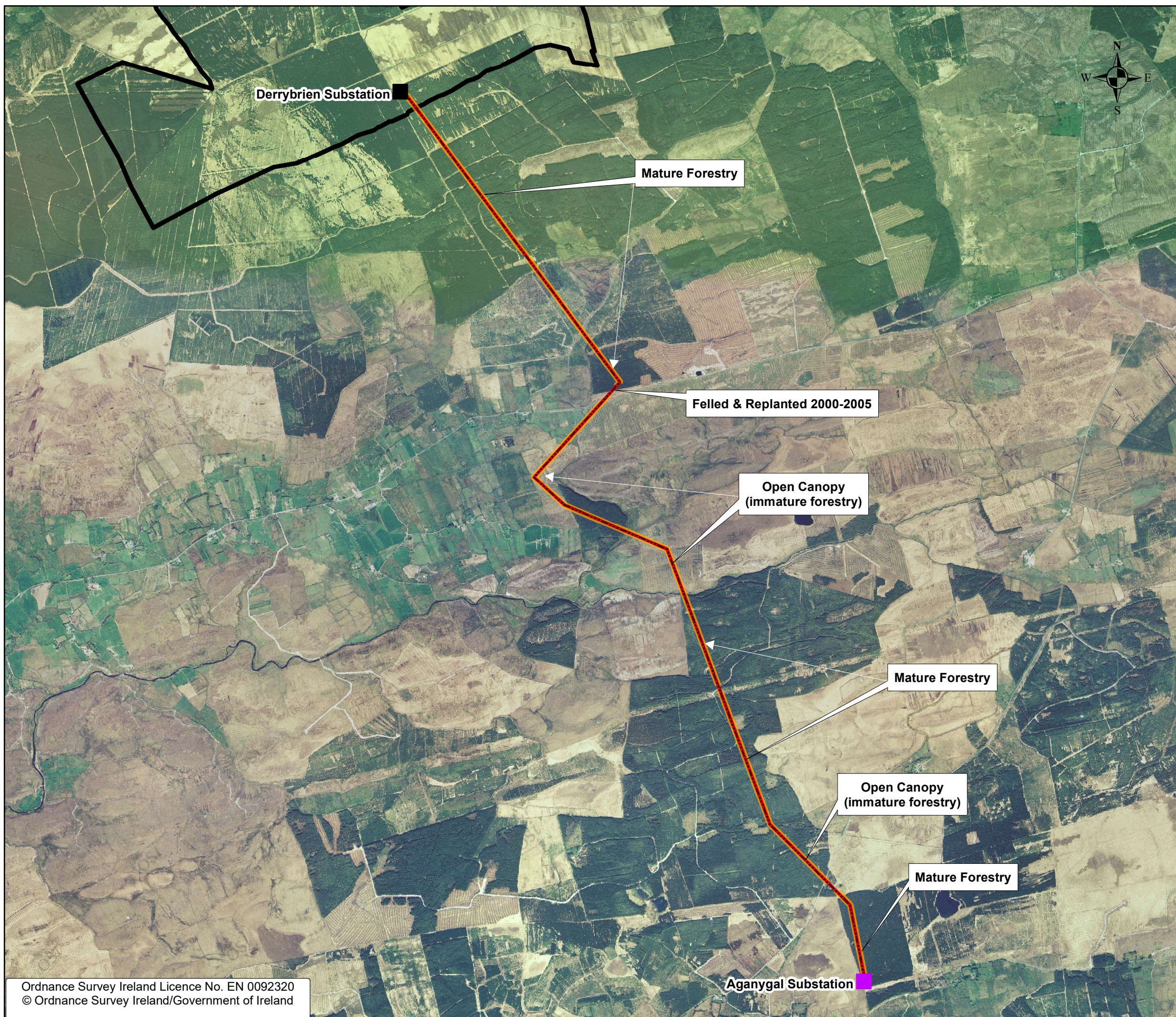


Date: 25 May 2020

0 125 250 500 750 Meters



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surveys
ireland



Legend

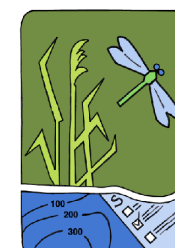
-  Agannygal Substation
-  Derrybrien Substation
-  Derrybrien Wind Farm Site
-  Derrybrien - Agannygal 110kV Overhead Line
-  Forestry along OHL corridor

Basemap: OSI Aerial Photography dated 2000

Figure 7.7 -Habitats present along the OHL route and at Agannygal Substation site pre-construction (overlain on aerial photography 2000)

Date:25 May 2020

0 125 250 500 750 Meters



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Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Legend

- Flight Lines 2004 Survey (1-4)
- Vantage Points
- Turbine Locations
- Derrybrien Wind Farm Site

CLIENT: **Gort Windfarms Ltd**

PRODUCTION UNIT: **Civil & Environmental Engineering**

PROJECT: **Derrybrien Wind Farm Project**

DRAWING TITLE: **Figure 7.8 - Hen Harrier Flight Lines 2004 Survey**

CONTRACT:

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CLIENT REF. 00-00			NO. OF SHEETS 00-00	SIZE A3
DRAWING NUMBER			1:12,000	

QS-000280-01-D460-008-003-000

0	25/05/20	Issued for substitute consent		E.O'S	E.O'S	C.H	PK
REV	DATE	REVISION DESCRIPTION		DRN	PROD	VER	APP
PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED							
CLIENT APPROVAL ☐ PLANNING ☒ TENDER ☐ CONSTRUCTION ☐ AS-BUILT ☐							



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Legend

- Flight Lines 2006 Survey (1-9)
- Vantage Points
- Turbine Locations
- Derrybrien Wind Farm Site

REV	DATE	REVISION DESCRIPTION	DRN	PROD	VER	APP
0	14/07/20	Issued for substitute consent				
PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED						
CLIENT APPROVAL ☐ PLANNING ☒ TENDER ☐ CONSTRUCTION ☐ AS-BUILT ☐						



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PROJECT:	Derrybrien Wind Farm Project
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PRODUCTION UNIT:	Civil & Environmental Engineering
DRAWING TITLE:	Figure 7.9 - Hen Harrier Flight Lines 2006 Survey

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E.O'Shea	E.O'Shea	C.Hamilton	P.Kavanagh	14/07/2020	
CLIENT REF.			NO. OF SHEETS	SIZE	SCALE
00-00			00-00	A3	1:12,000
DRAWING NUMBER					
QS-000280-01-D460-008-004-000					



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Legend

- Hen Harrier Flightlines (10-16)
- Vantage Points
- Turbine Locations
- Derrybrien Wind Farm Site

REV	DATE	REVISION DESCRIPTION	DRN	PROD	VER	APP
0	14/07/20	Issued for substitute consent				
PURPOSE OF ISSUE - PRELIMINARY UNLESS INDICATED						
CLIENT APPROVAL ☐ PLANNING ☒ TENDER ☐ CONSTRUCTION ☐ AS-BUILT ☐						

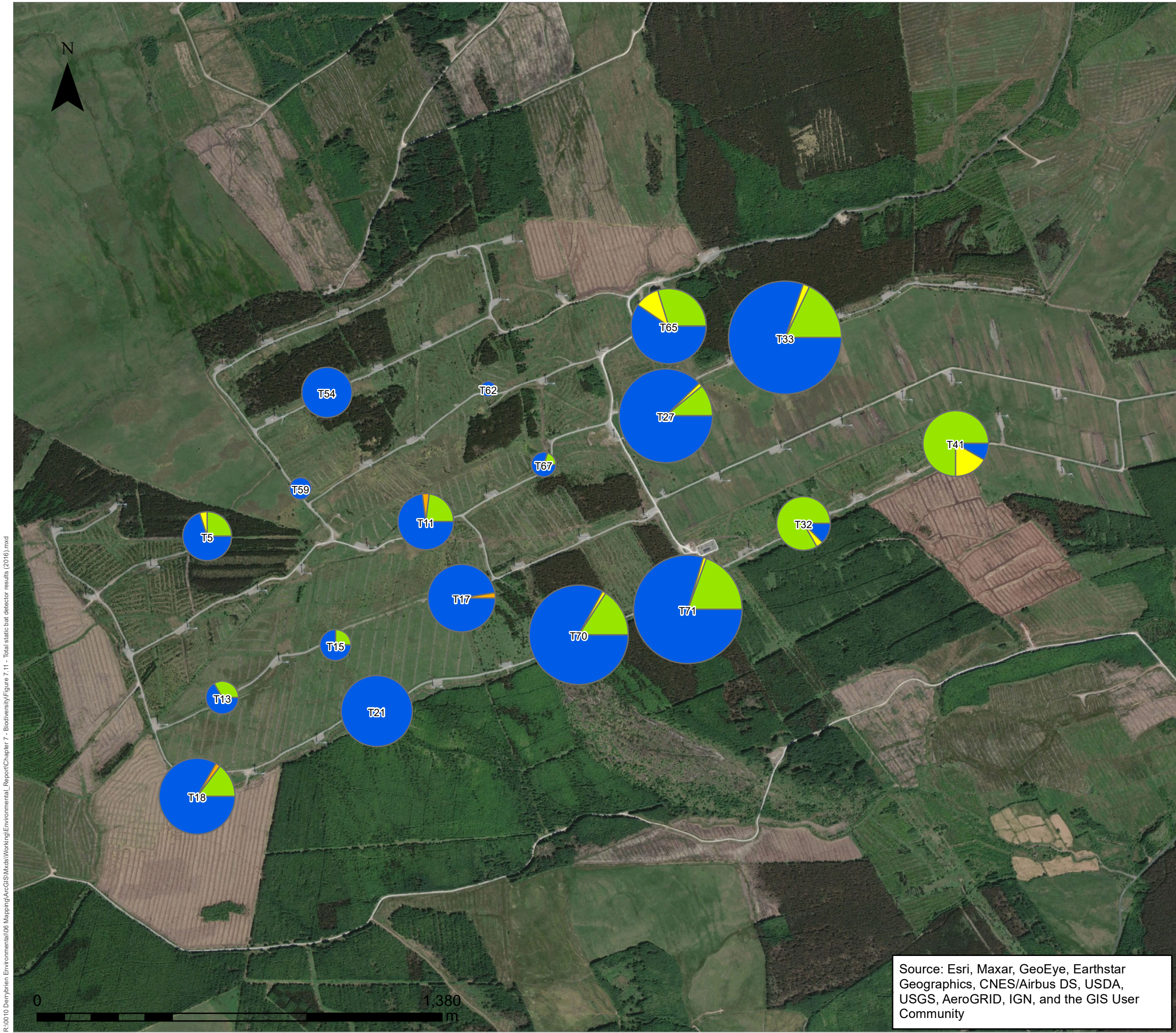


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CLIENT:	Gort Windfarms Ltd
PROJECT:	Derrybrien Wind Farm Project
CONTRACT:	

PRODUCTION UNIT:	Civil & Environmental Engineering
DRAWING TITLE:	Figure 7.10 - Hen Harrier Flight Lines 2007-2018 Survey

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E.O'Shea	E.O'Shea	C.Hamilton	P.Kavanagh	14/07/20
CLIENT REF.			NO. OF SHEETS	SIZE
00-00			00-00	A3
DRAWING NUMBER			SCALE	
QS-000280-01-D460-008-005-000			1:12,000	



LEGEND

Total bat passes per hour

Common pipistrelle

Soprano pipistrelle

Myotis sp.

Leisler's bat

Circle size proportional to B/h

MAX

MIN

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PROJECT TITLE

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Figure 7.11 - Total static bat detector results (2016)

DATE: 25.05.2020

CHECKED: RT

SCALE: 1:12,500

DRAWN: COH

APPROVED: OG

STATUS: FINAL

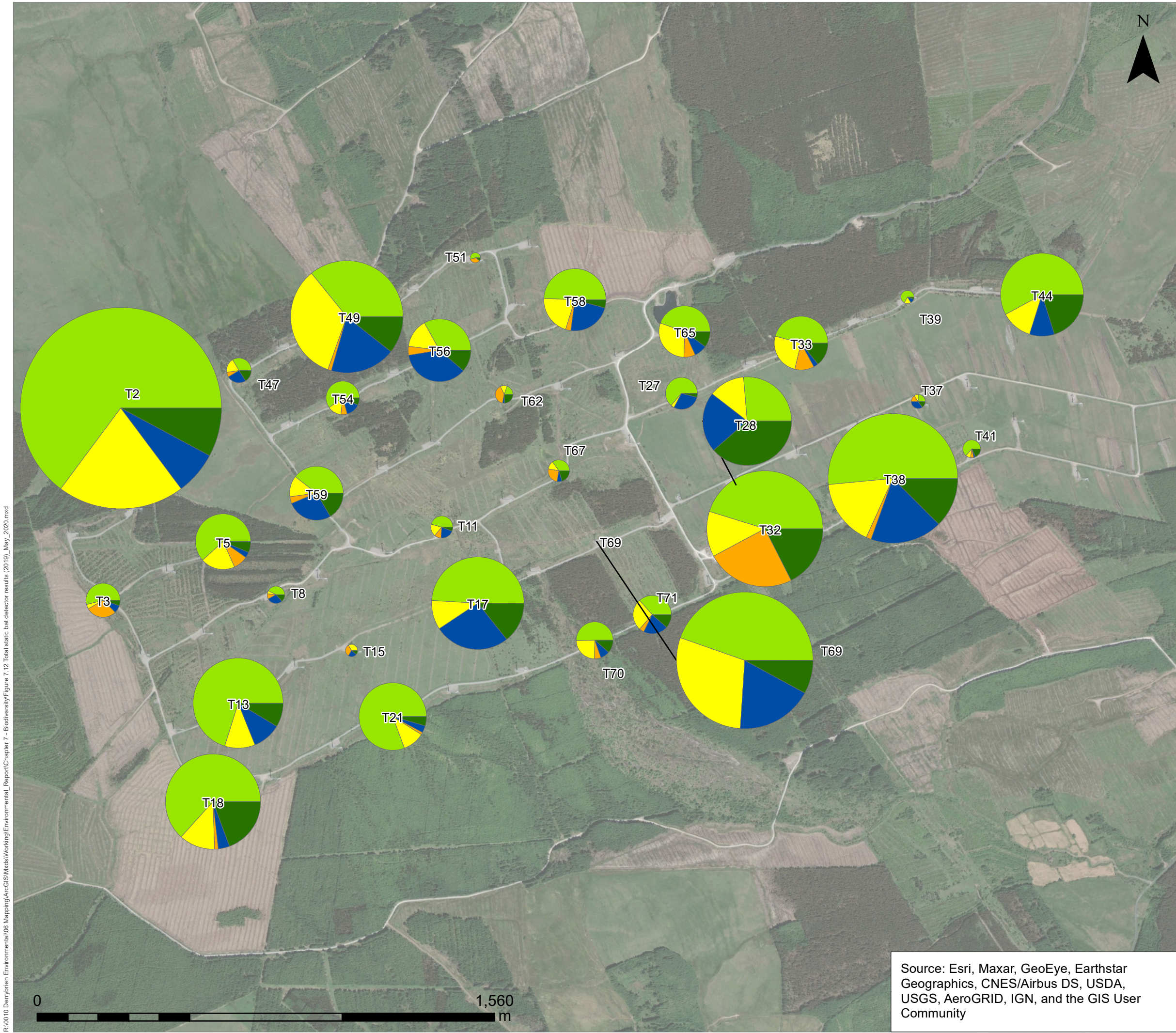
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Sources: BSG Ecology survey data

Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



LEGEND

Total bat passes per hour

Common pipistrelle

Soprano pipistrelle

Myotis sp.

Leisler's bat

Other bat species

Circle size proportional to B/h

MAX

MIN

BSG

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PROJECT TITLE

Derrybrien Wind Farm Project

DRAWING TITLE

Figure 7.12 - Total static bat detector results (2019)

DATE: 25.05.2020

CHECKED: RT

SCALE: 1:12,500

DRAWN: COH

APPROVED: OG

STATUS: FINAL

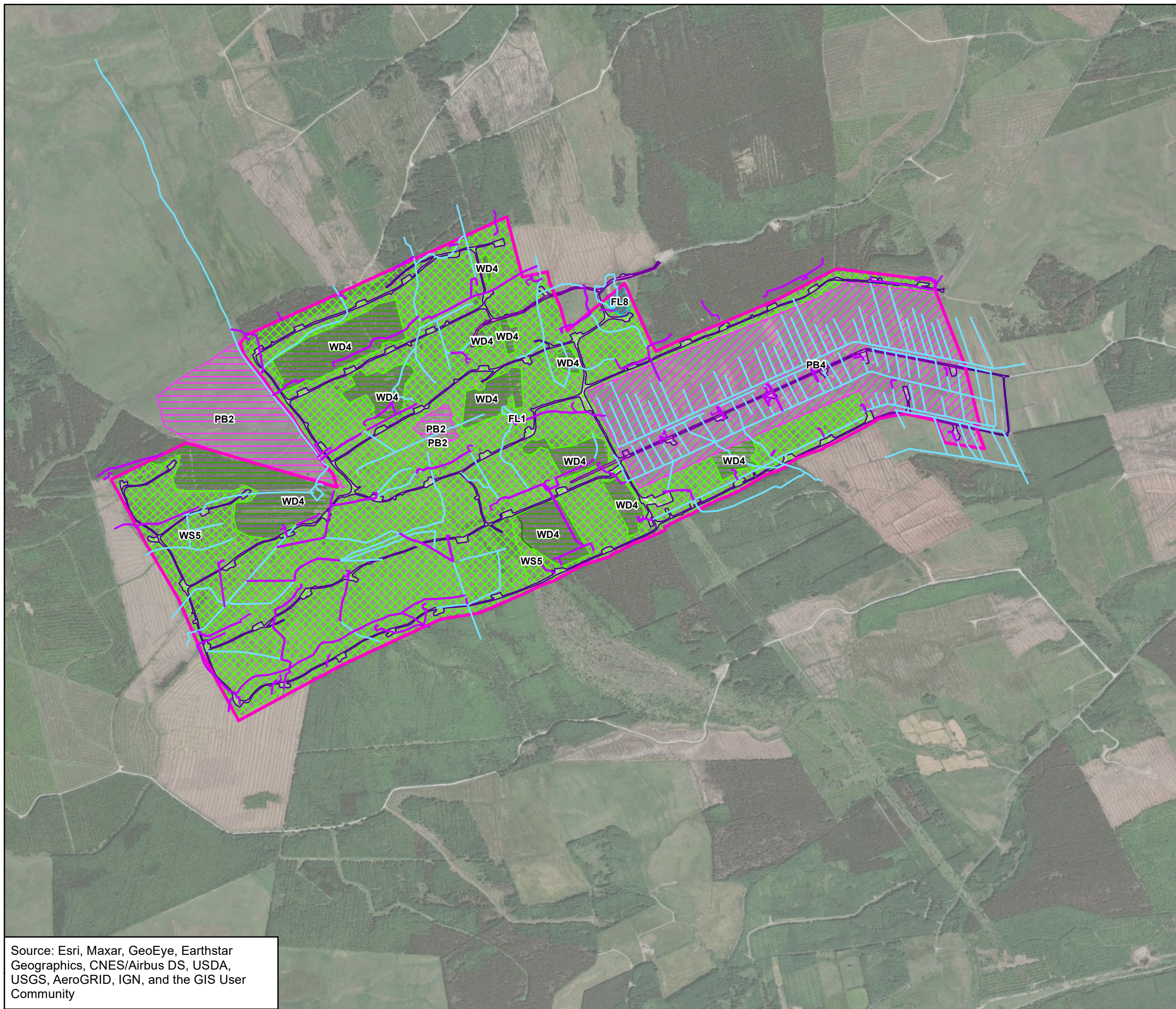
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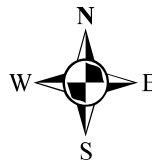


Legend

- Pre-Existing Drainage
- Constructed Drainage
- Derrybrien Wind Farm Site
- Access tracks and roads
- Road and hardstands (proposed)
- FL1 Dystrophic lakes
- FL8 Artificial lakes and ponds
- PB2 Upland blanket bog
- PB4 Cutover bog
- WD4 Conifer plantation
- WS5 Recently felled woodland

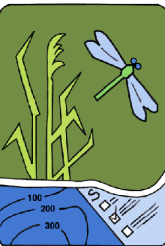
Basemap: OSI Aerial Photography dated 2018.

Figure 7.13 - Habitats extent and distribution within the wind farm site (dated 2019).



Date: 25 May 2020

0 125 250 500 750 Meters



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