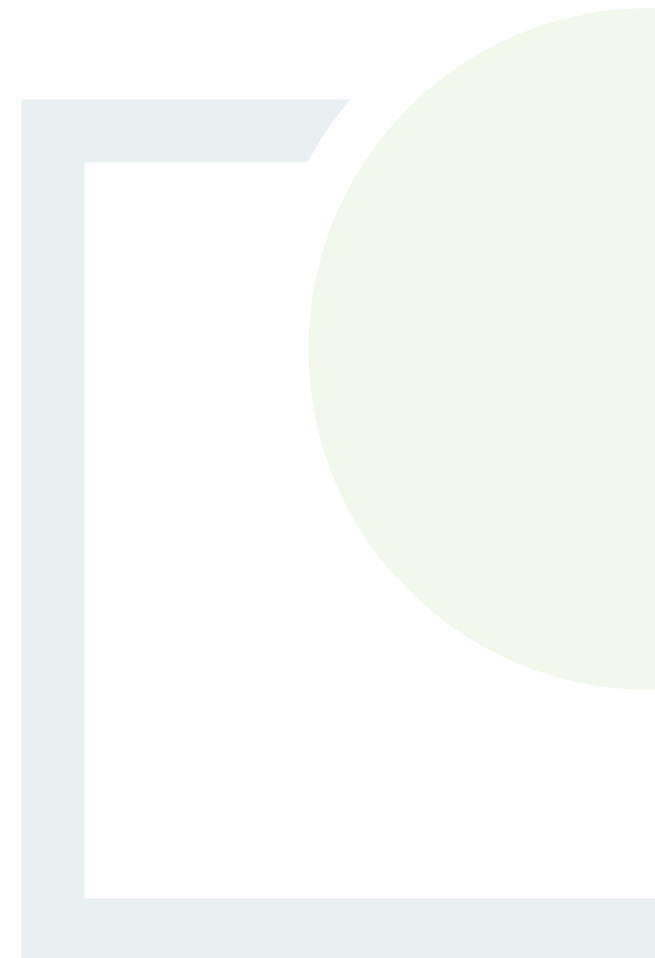


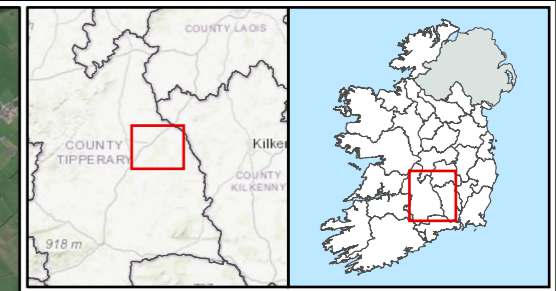


DESIGNING AND DELIVERING  
A SUSTAINABLE FUTURE

## Volume 4

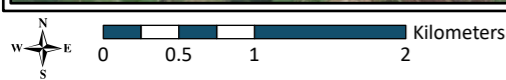
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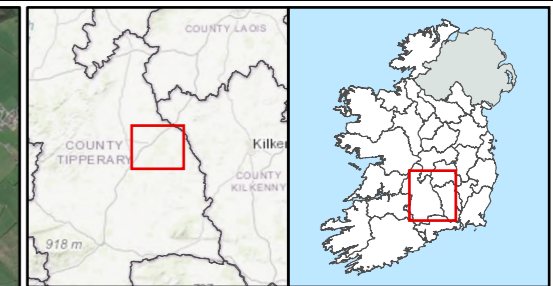




- Legend**
- Site Boundary
  - DI1 Turbine Layout

<b>TITLE:</b>	Design Iteration 1 Turbine Layout		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	3.1		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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<b>DATE:</b>	02/04/2026	<b>PAGE SIZE:</b>	A3

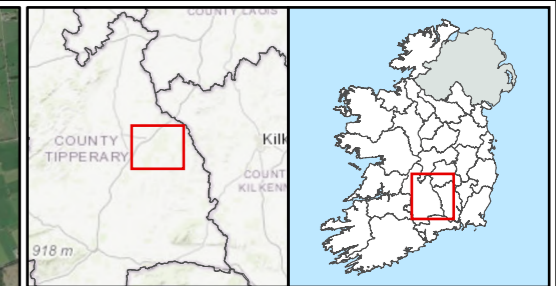




- Legend**
- Site Boundary
  - DI2 Turbine Layout

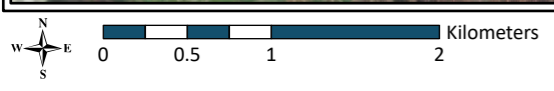
<b>TITLE:</b>	Design Iteration 2 Turbine Layout		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	3.2		
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<b>DATE:</b>	02/04/2026	<b>PAGE SIZE:</b>	A3

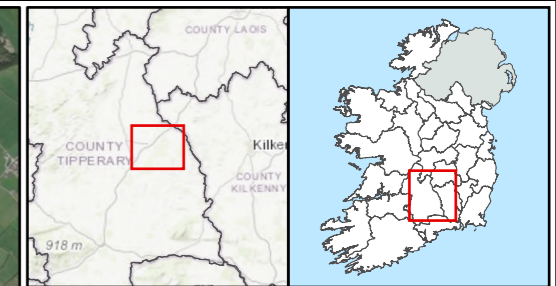




- Legend**
- Site Boundary
  - DI3 Turbine Layout

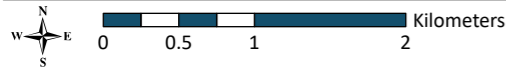
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<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	3.3		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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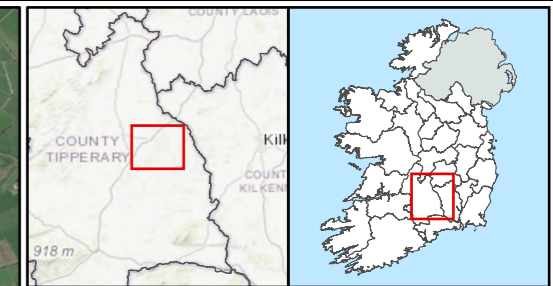




- Legend**
- Site Boundary
  - DI4 Turbine Layout

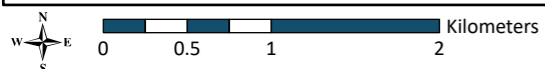
<b>TITLE:</b>	Design Iteration 4 Turbine Layout		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	3.4		
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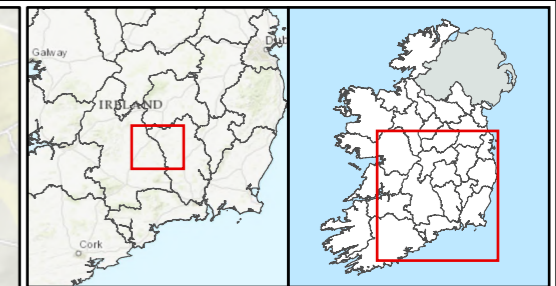
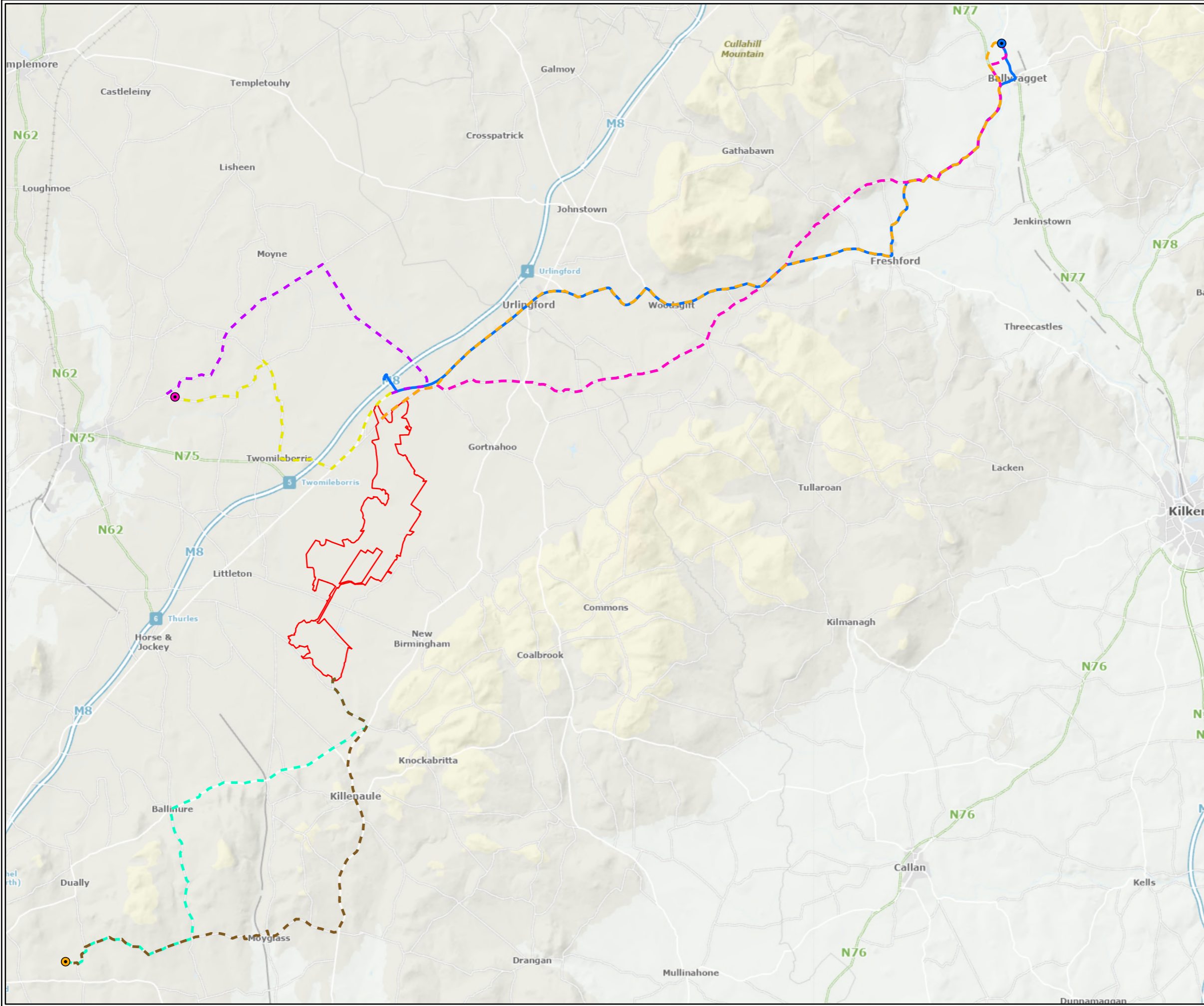




- Legend**
- Site Boundary
  - DI1 Turbine Layout
  - DI2 Turbine Layout
  - DI3 Turbine Layout
  - DI4 Turbine Layout

<b>TITLE:</b>	Comparison of Turbine Layout Design Iterations		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	3.5		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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<b>DATE:</b>	09/04/2026	<b>PAGE SIZE:</b>	A3

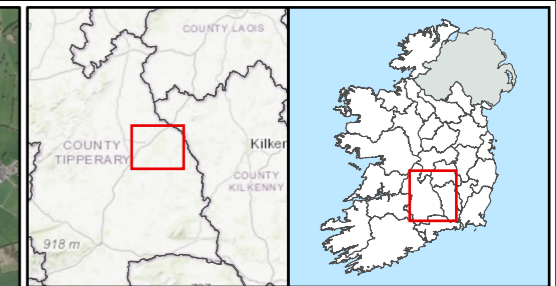




- Legend**
- Site Boundary
  - Grid Route Option 1 – (DI1 - Thurles Route 1)
  - Grid Route Option 2 – (DI1 - Thurles Route 2)
  - Grid Route Option 3 – (DI1 - Killhill Route 1)
  - Grid Route Option 4 – (DI1 - Killhill Route 2)
  - Grid Route Option 5 – (DI2)
  - Grid Route Option 6 – (DI3)
  - Grid Route Option 7 – (Preferred Route Option)
  - Killhill Substation
  - Thurles Substation
  - Ballyragget Substation

<b>TITLE:</b>	Alternative Grid Connections		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	3.6		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:130,000	<b>REVISION:</b>	0
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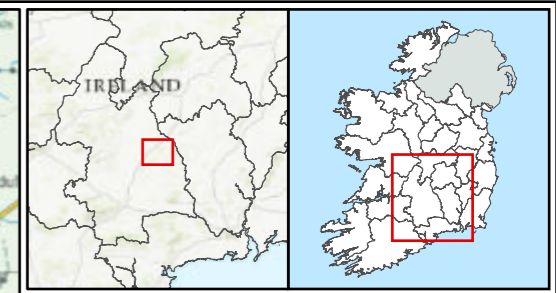
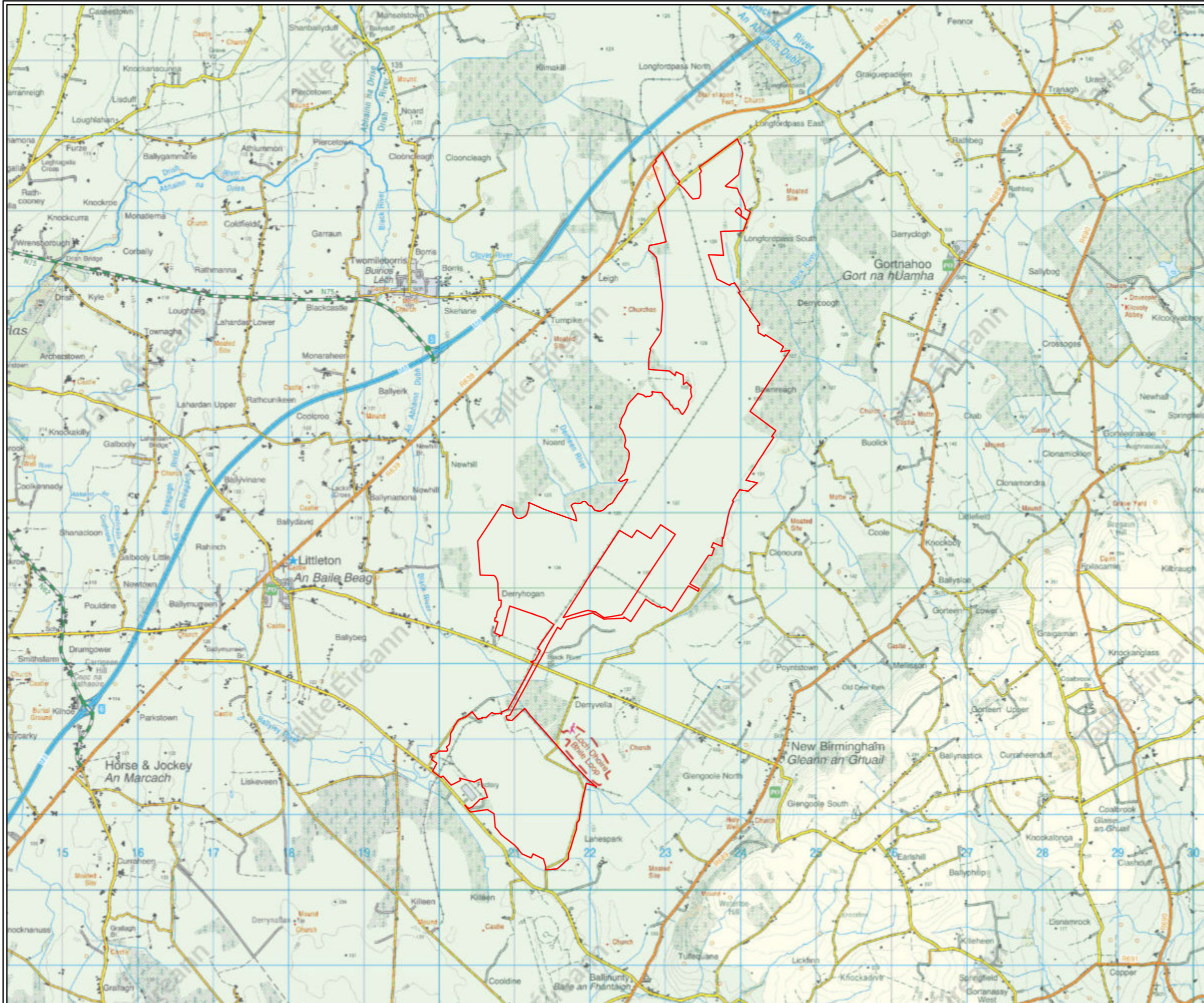




- Legend**
- Site Boundary
  - Proposed DI1 Substation Locations
  - Proposed DI2 Substation Locations
  - DI3 Substation Location (Preferred Substation Location)

<b>TITLE:</b>	
Alternative Substation Locations	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO.:</b>	3.7
<b>CLIENT:</b>	Littleton Wind Farm DAC
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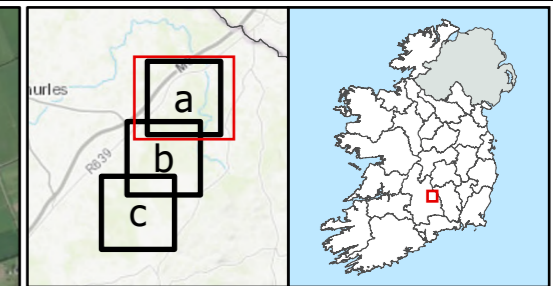
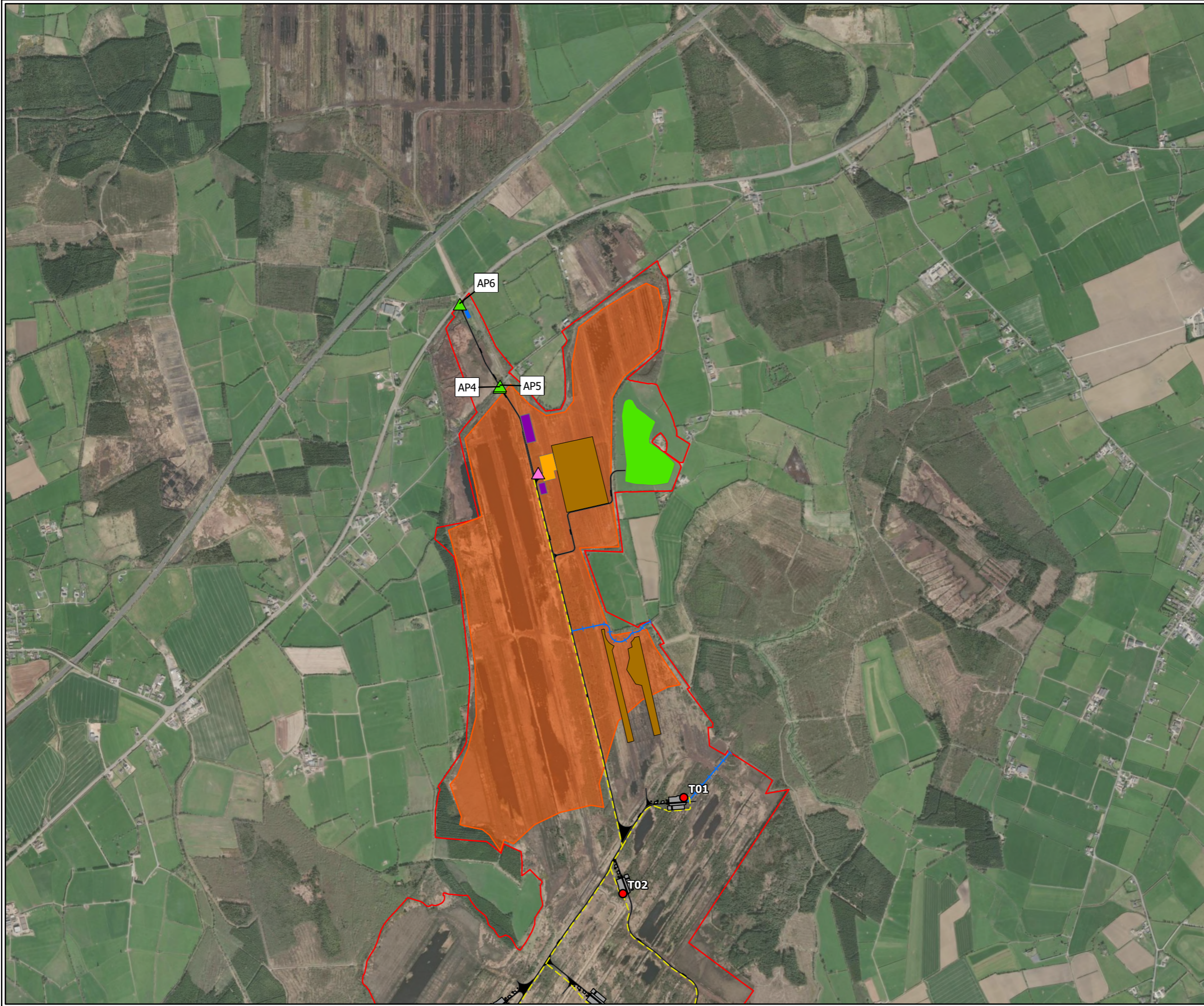




**Legend**  
 Site Boundary

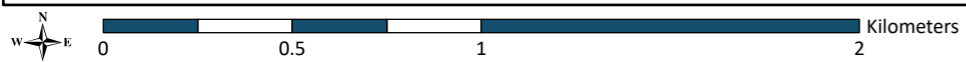
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<b>PROJECT:</b>	Littleton Windfarm
<b>FIGURE NO:</b>	4.1
<b>CLIENT:</b>	Littleton Wind Farm DAC
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<b>PAGE SIZE:</b>	A3

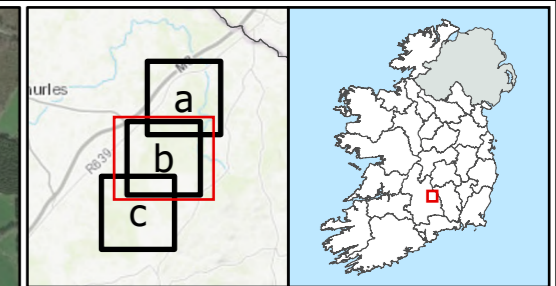




- Legend**
- Site Boundary
  - Access Tracks
  - Amenity Car Park
  - Borrow Pits
  - BEMP Area
  - Hardstanding
  - Peat Deposition Area
  - Substation Compound
  - Construction Compound
  - + Amenity Track
  - Internal Cable
  - ▲ Access Points
  - ▲ Telecom Mast
  - Turbine Locations

<b>TITLE:</b>	Site Layout		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	4.2.a		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:20,000	<b>REVISION:</b>	0
<b>DATE:</b>	30/03/2026	<b>PAGE SIZE:</b>	A3



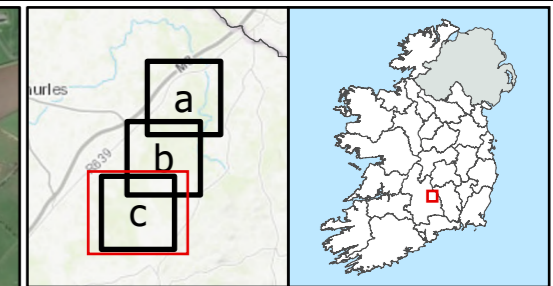
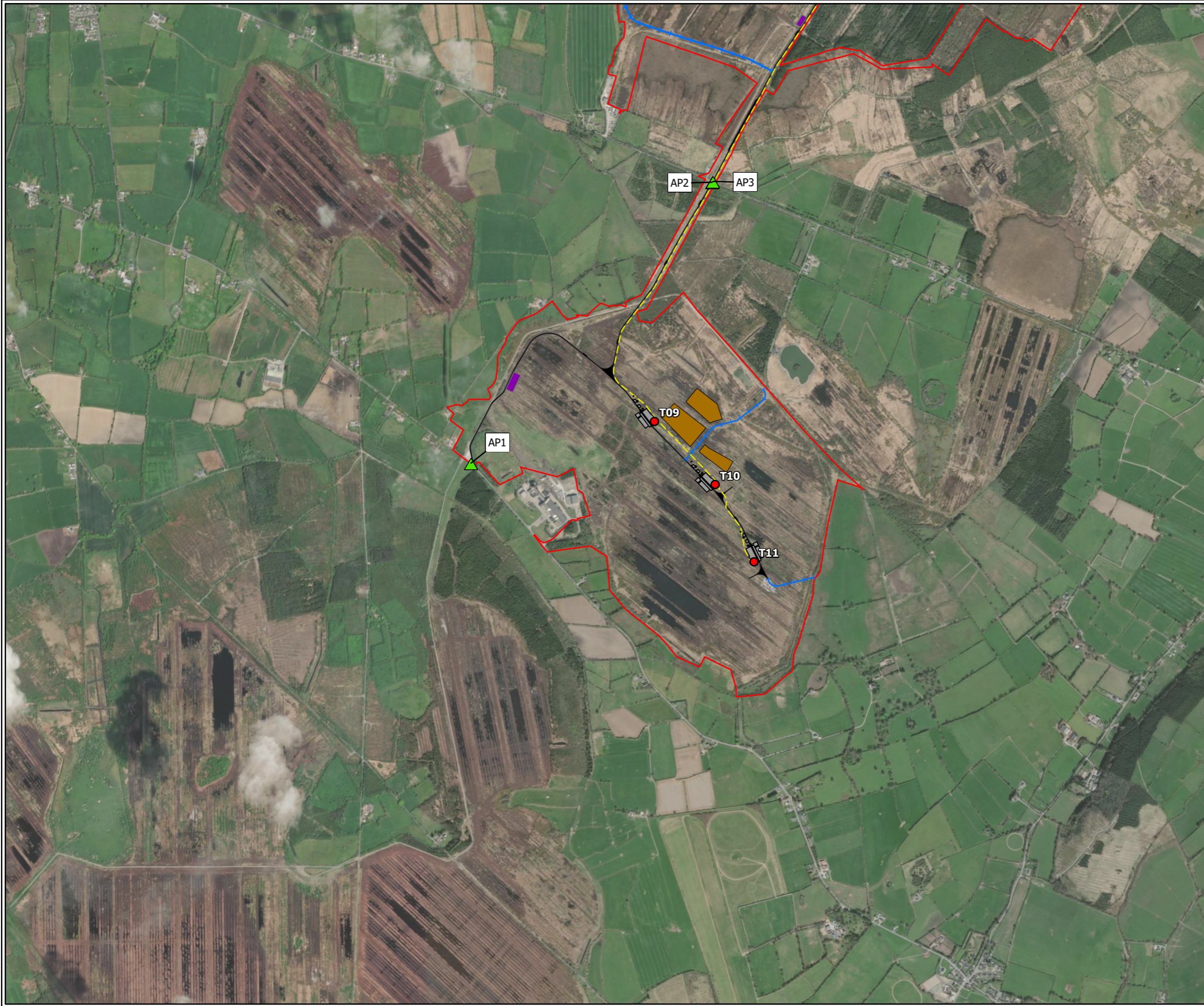


- Legend**
- Site Boundary
  - Access Tracks
  - BEMP Area
  - Hardstanding
  - Peat Deposition Area
  - Construction Compound
  - + Amenity Track
  - Internal Cable
  - ▲ Access Points
  - ▲ Met Mast
  - Turbine Locations

<b>TITLE:</b>	Site Layout
<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO:</b>	4.2.b
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b> 1:20,000	<b>REVISION:</b> 0
<b>DATE:</b> 30/03/2026	<b>PAGE SIZE:</b> A3

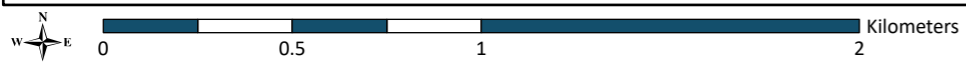
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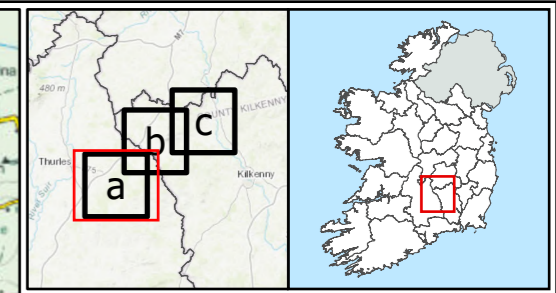
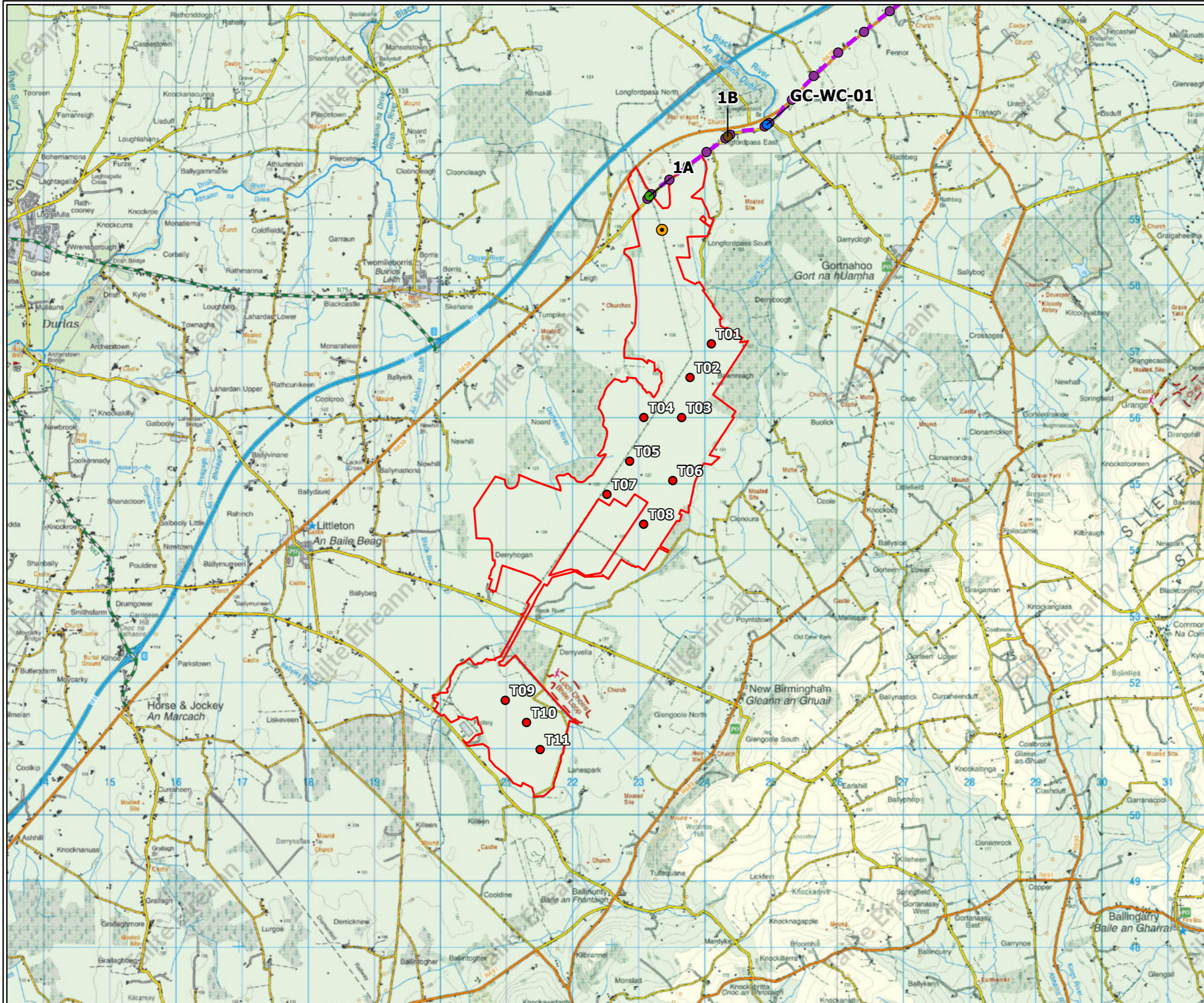




- Legend**
- Site Boundary
  - Access Tracks
  - Hardstanding
  - Peat Deposition Area
  - Construction Compound
  - + Amenity Track
  - Internal Cable
  - ▲ Access Points
  - Turbine Locations

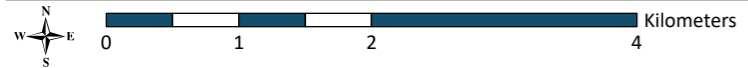
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<b>PROJECT:</b>	Littleton Wind Farm	
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<b>DATE:</b>	30/03/2026	<b>PAGE SIZE:</b> A3

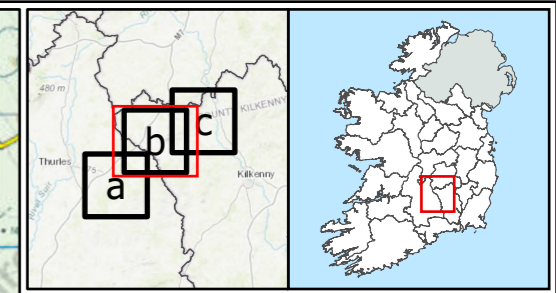
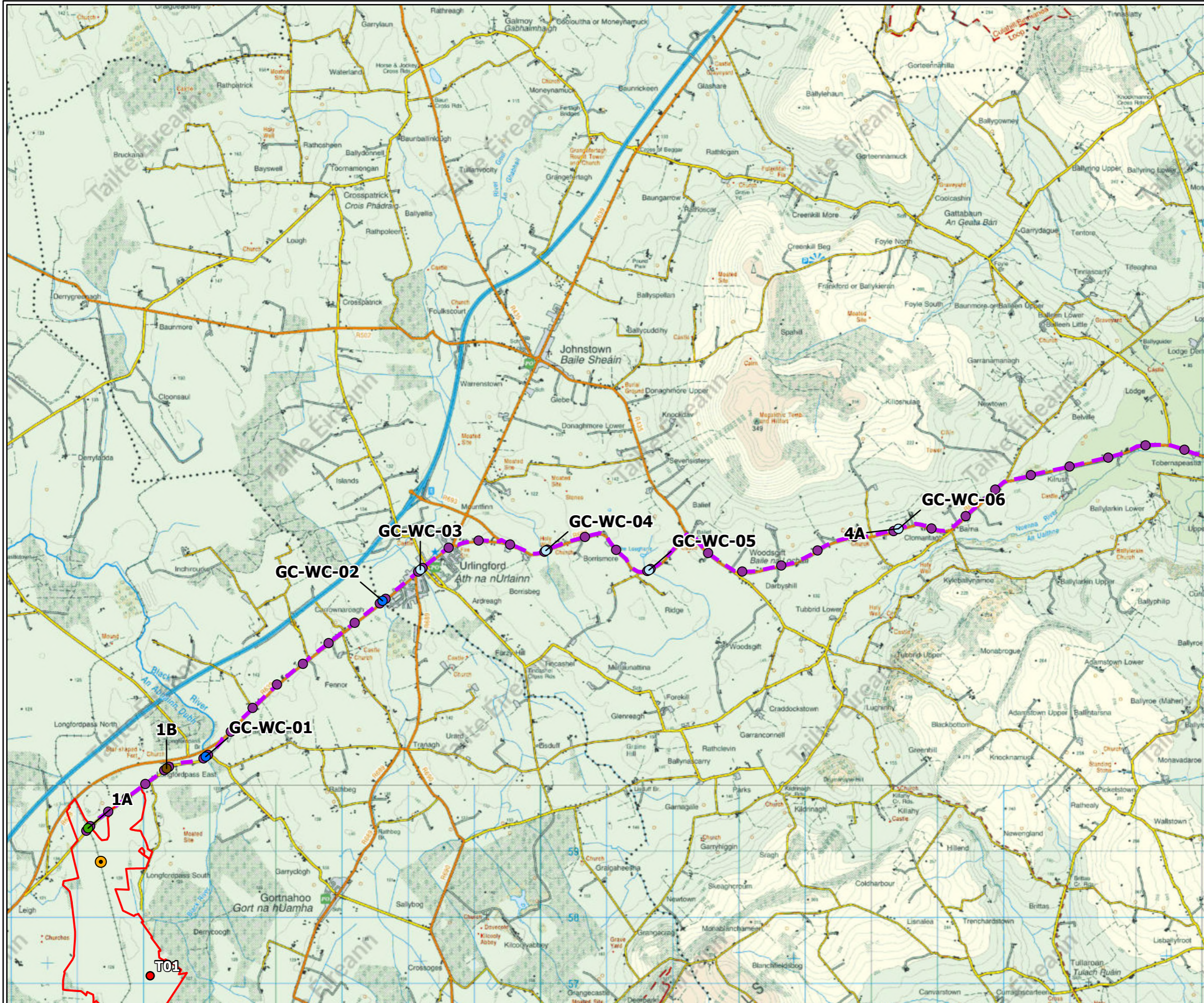




- Legend**
- Site Boundary
  - Grid Connection Route
  - Onsite Substation
  - Turbine Locations
  - Joint Bays
- Feature**
- Cattle underpass structure
  - High pressure gas
  - Railway line crossing
  - Ringfort adjacent to road
  - River
  - Stream

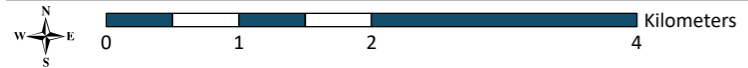
<b>TITLE:</b>	Grid Connection Route
<b>PROJECT:</b>	Littleton Windfarm
<b>FIGURE NO:</b>	4.3.a
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:57,000
<b>REVISION:</b>	0
<b>DATE:</b>	31/03/2026
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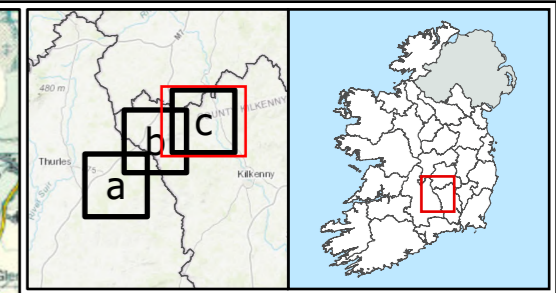
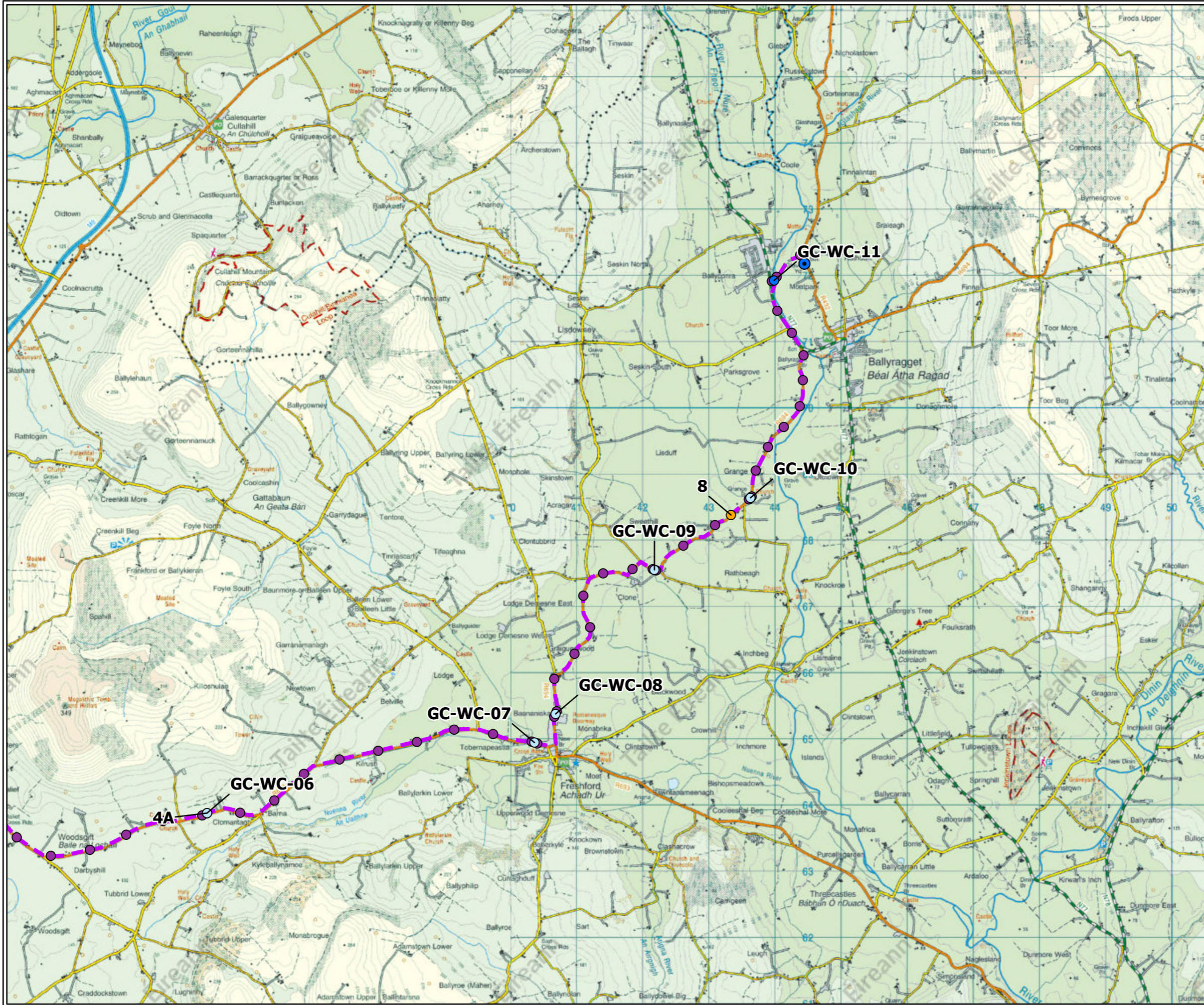




- Legend**
- Site Boundary
  - Grid Connection Route
  - Onsite Substation
  - Turbine Locations
  - Joint Bays
- Feature**
- Cattle underpass structure
  - High pressure gas
  - Railway line crossing
  - Ringfort adjacent to road
  - River
  - Stream

<b>TITLE:</b>	Grid Connection Route
<b>PROJECT:</b>	Littleton Windfarm
<b>FIGURE NO:</b>	4.3.b
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:57,000
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<b>DATE:</b>	31/03/2026
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**Legend**

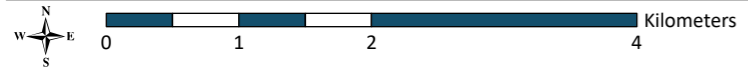
- Grid Connection Route
- Ballyragget 110kV Substation
- Joint Bays

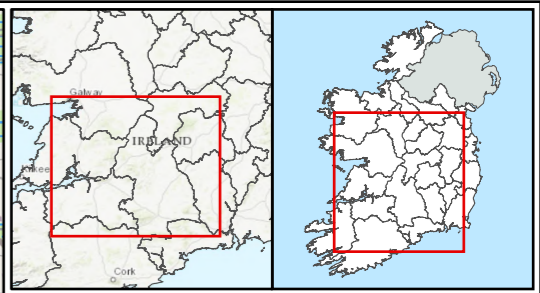
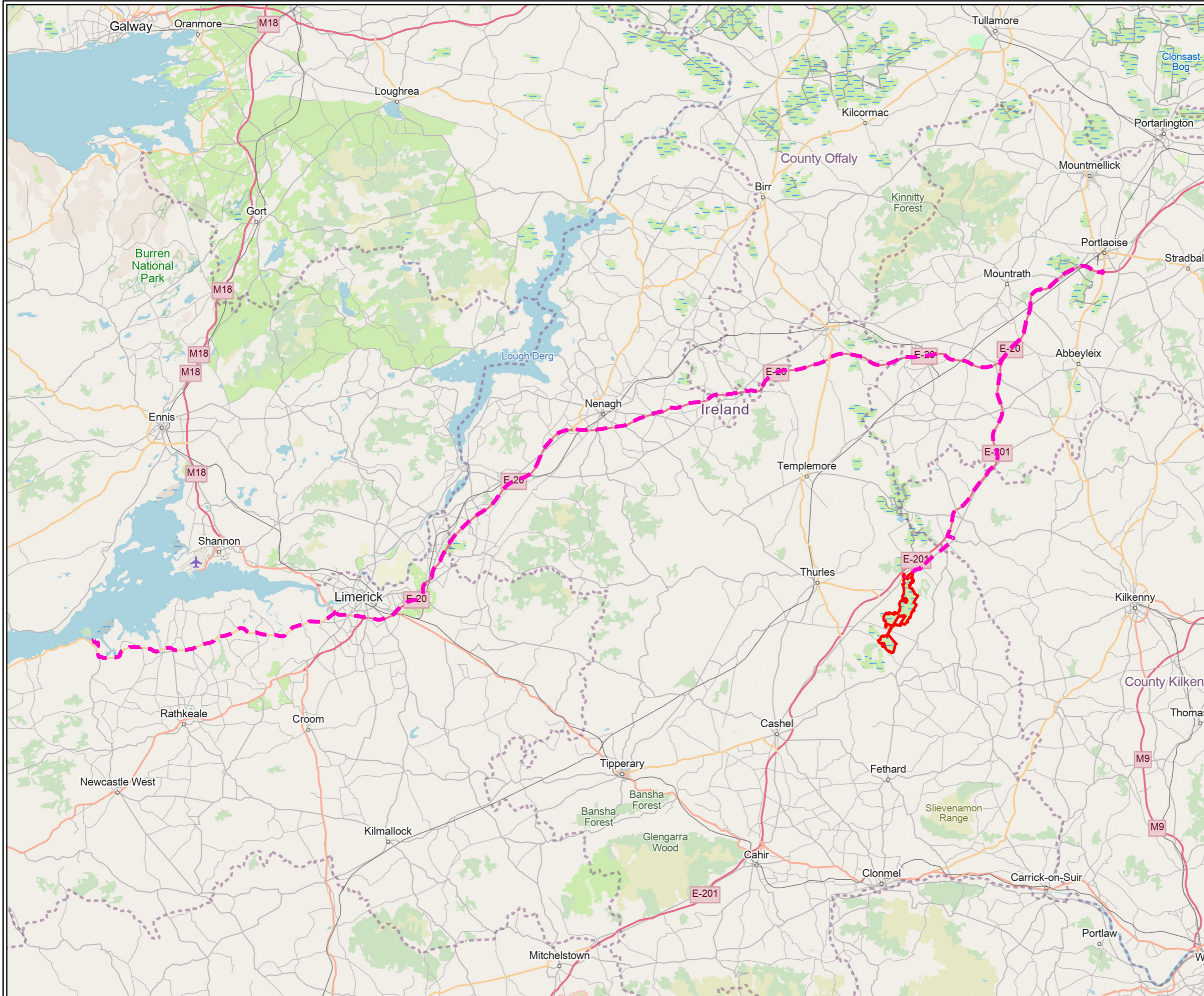
**Feature**

- Cattle underpass structure
- High pressure gas
- Railway line crossing
- Ringfort adjacent to road
- River
- Stream

<b>TITLE:</b>	Grid Connection Route	
<b>PROJECT:</b>	Littleton Windfarm	
<b>FIGURE NO:</b>	4.3.c	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
<b>SCALE:</b>	1:57,000	<b>REVISION:</b> 0
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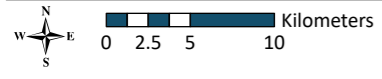
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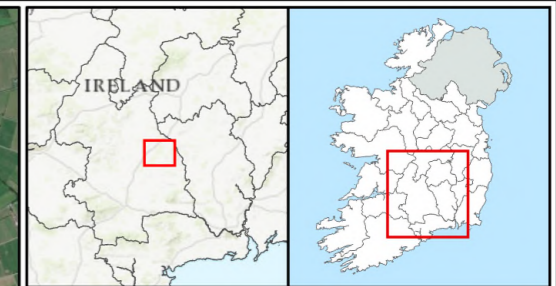




- Legend**
- Site Boundary
  - Proposed Turbine Delivery Route

<b>TITLE:</b>	Turbine Delivery Route		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	4.4		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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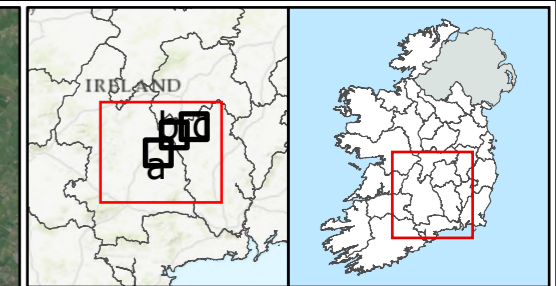
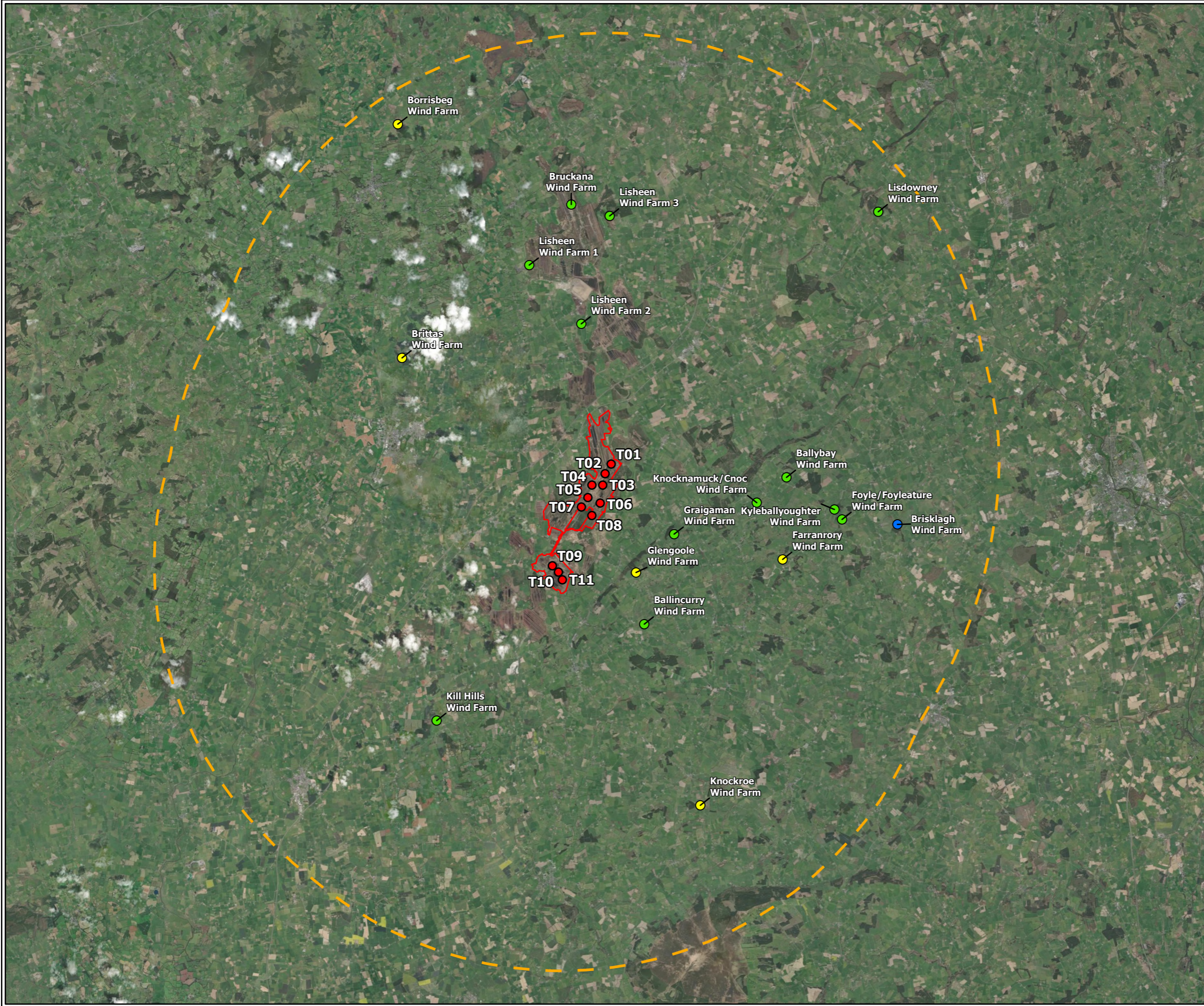




- Legend**
- Site Boundary
  - 2km
  - Commercial
  - Mixed Use
  - Residential
  - Turbine Locations

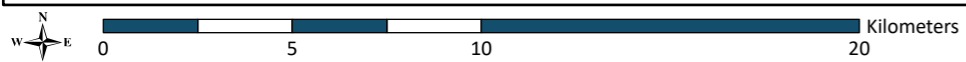
<b>TITLE:</b>	Properties within 2km of a Turbine Location	
<b>PROJECT:</b>	Littleton Windfarm	
<b>FIGURE NO.:</b>	4.5	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
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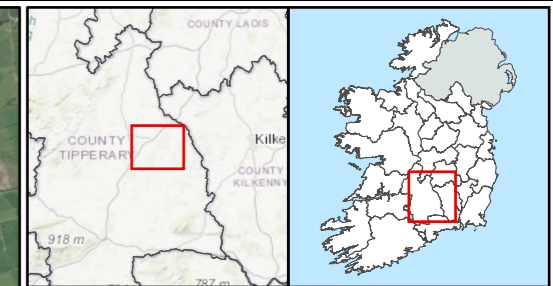
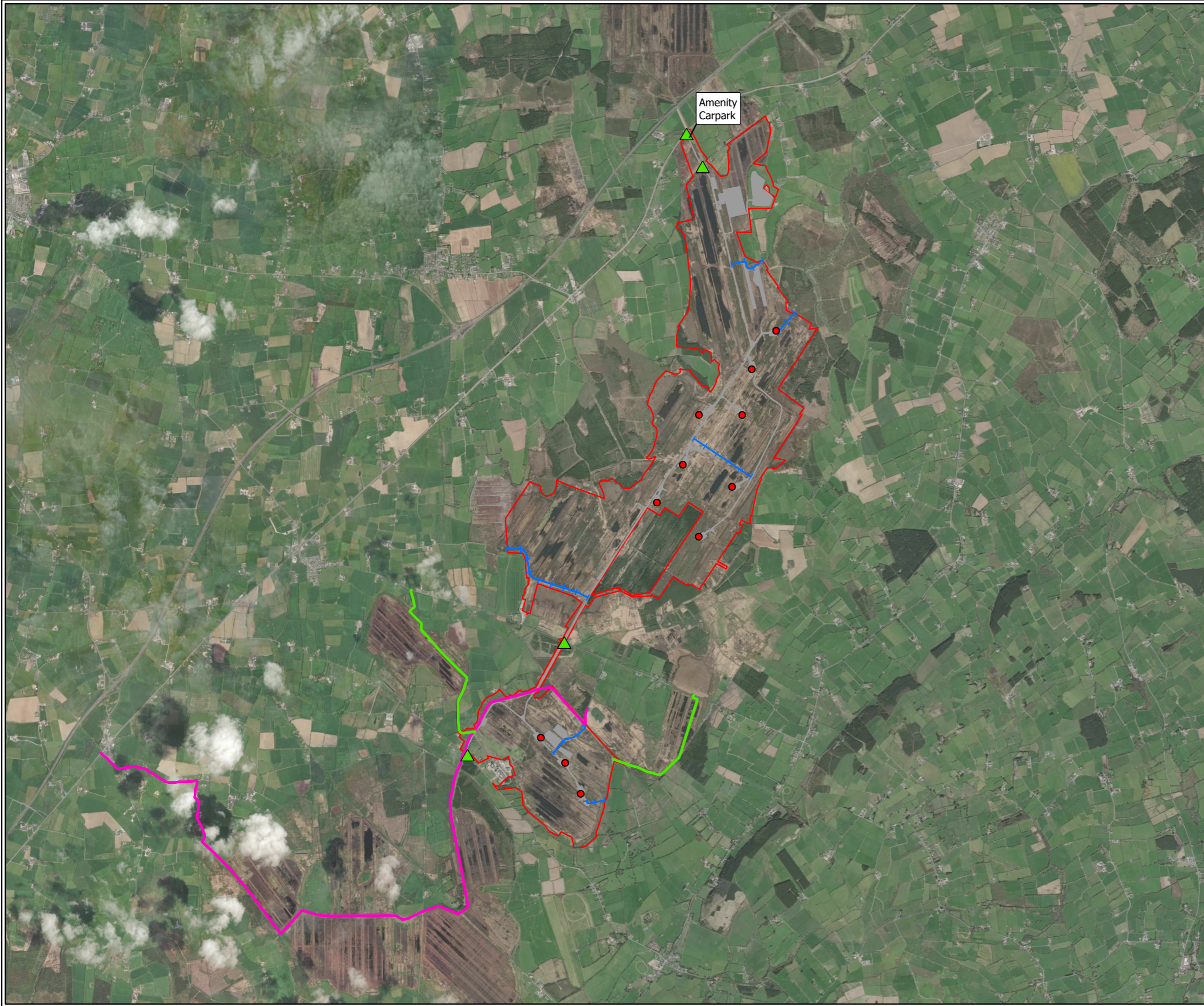




- Legend**
- Site Boundary
  - 20km
  - Turbine Locations
- Status**
- In Operation
  - Consented
  - Unconsented

<b>TITLE:</b>	Windfarms within 20km
<b>PROJECT:</b>	Littleton Windfarm
<b>FIGURE NO.:</b>	4.6
<b>CLIENT:</b>	Littleton Wind Farm DAC
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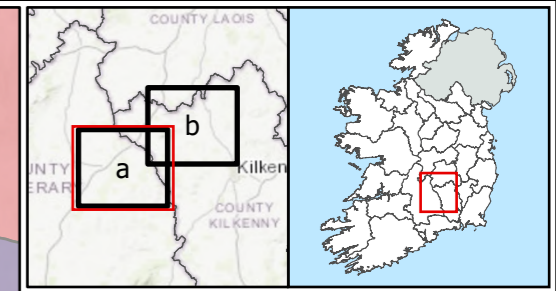
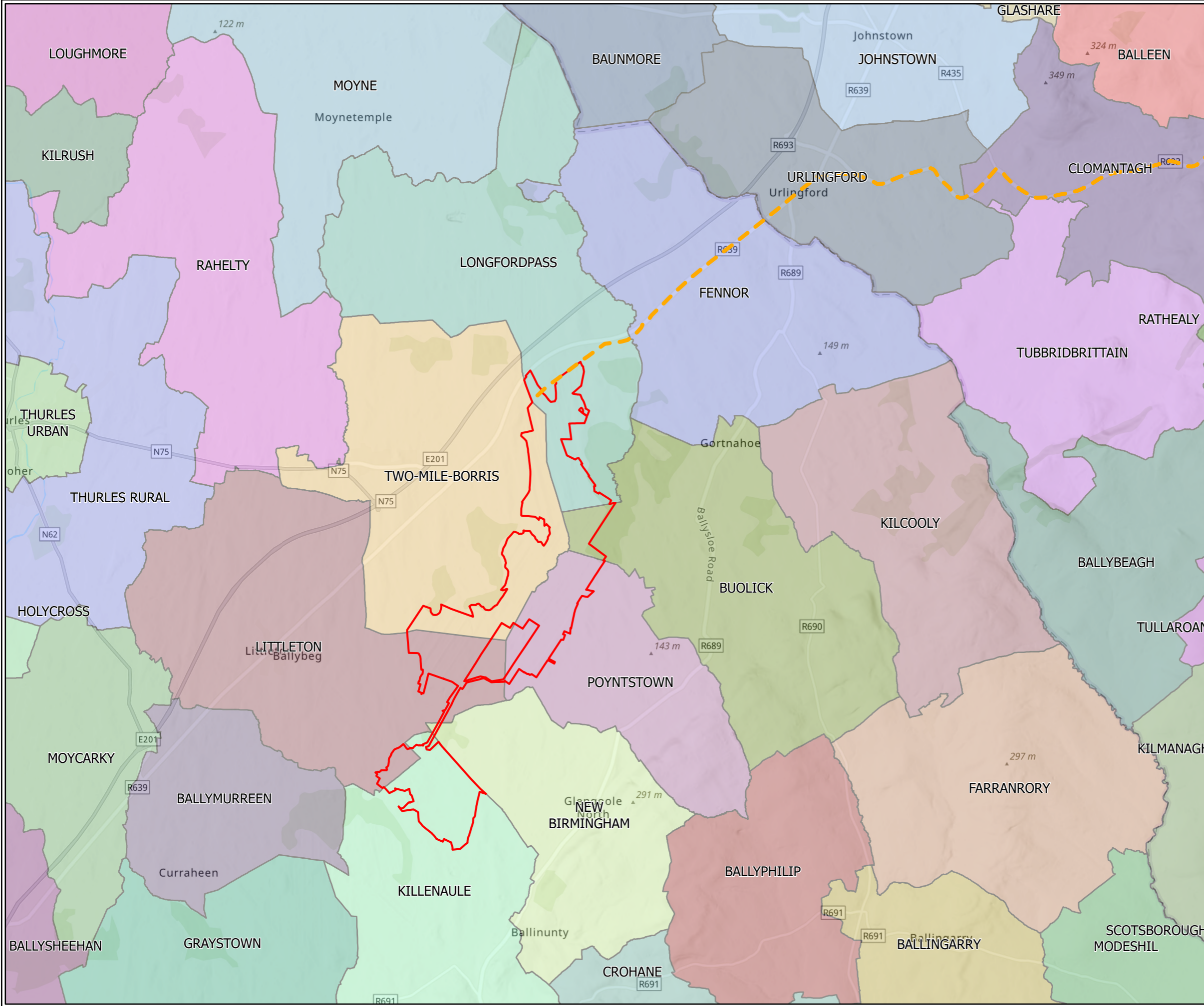


**Legend**

- Site Boundary
- Wind Farm Infrastructure
- + Proposed Amenity Tracks
- Existing Amenity Tracks
- Permitted Amenity Tracks
- ▲ Access Points
- Turbine Locations

<b>TITLE:</b>	Amenity Tracks		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	4.7		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:50,000	<b>REVISION:</b>	0
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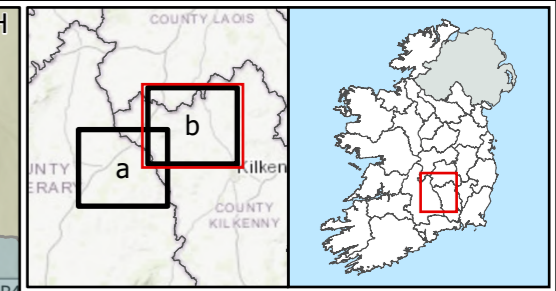
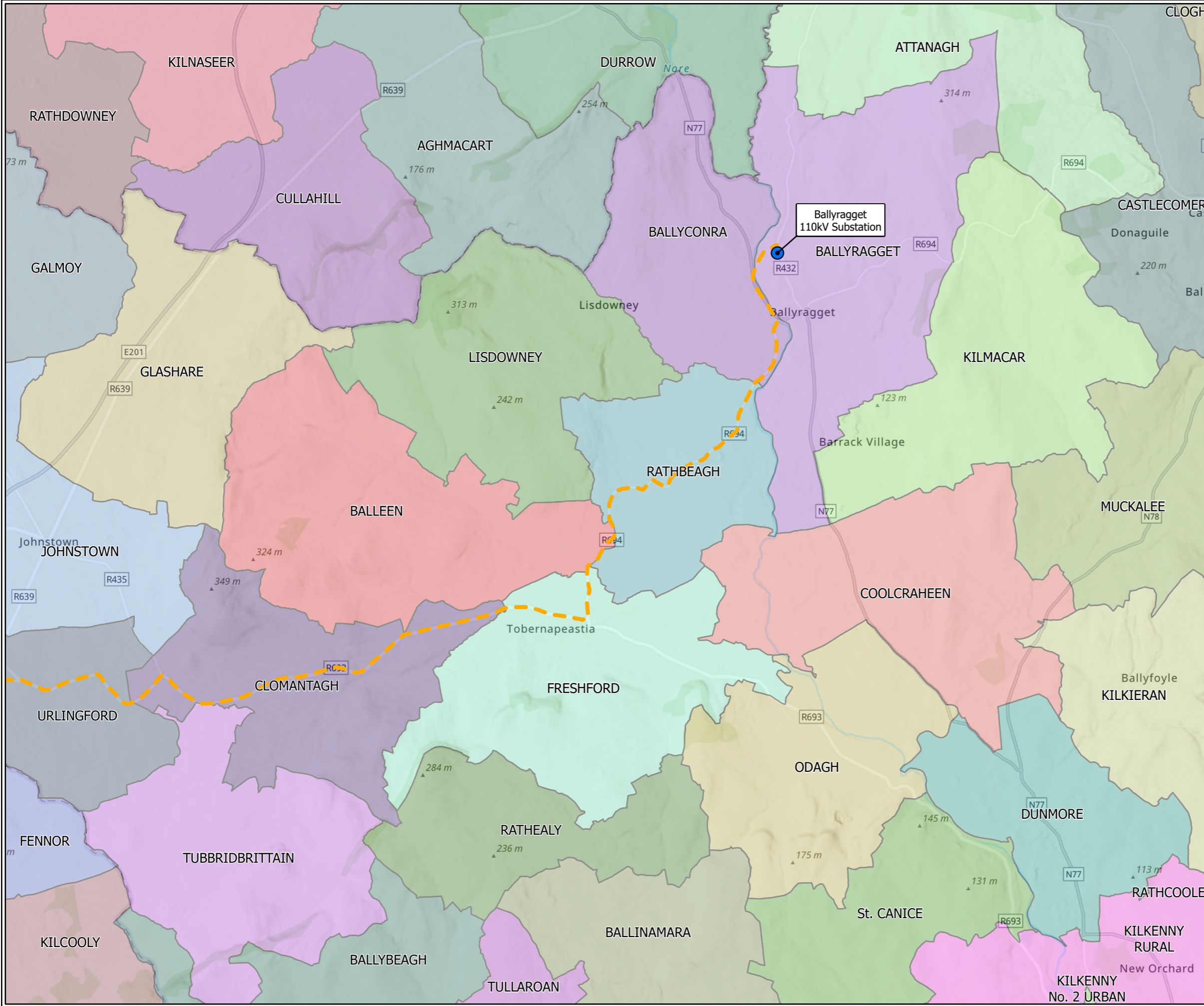


**Legend**

- Site Boundary
- Electoral Districts
- Grid Connection Route
- Ballyragget 110kV Substation

<b>TITLE:</b>	Population and Human Health Study Area		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	5.1.a		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:75,000	<b>REVISION:</b>	0
<b>DATE:</b>	09/04/2026	<b>PAGE SIZE:</b>	A3

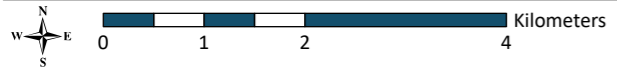




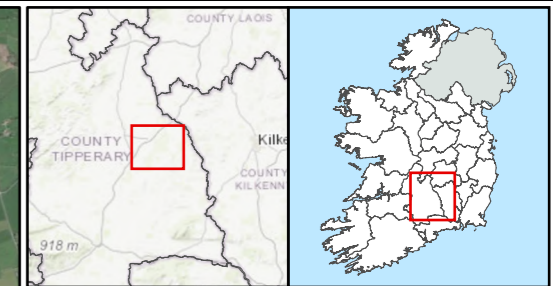
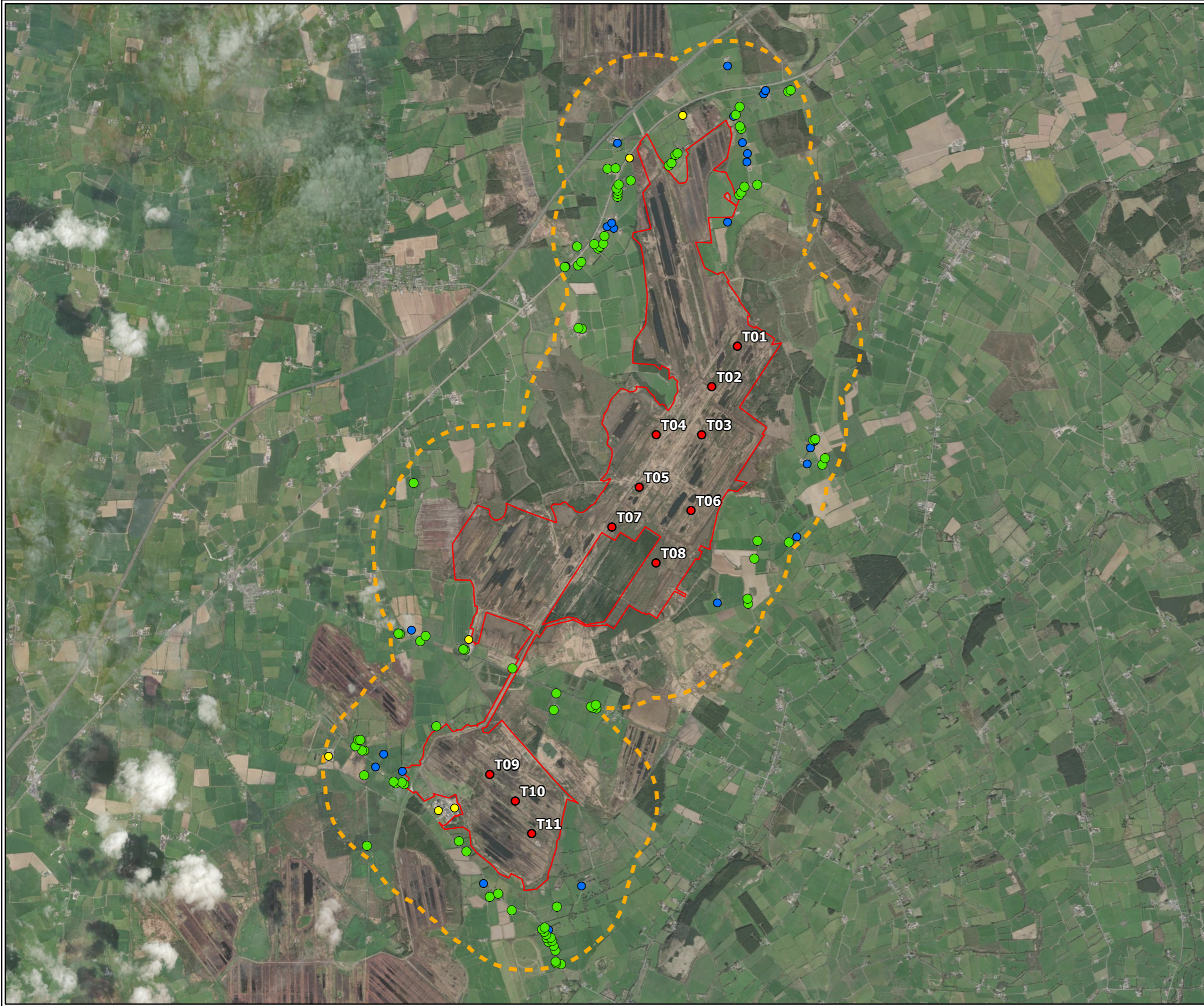
**Legend**

- Electoral Districts
- Grid Connection Route
- Ballyragget 110kV Substation

<b>TITLE:</b> Population and Human Health Study Area	
<b>PROJECT:</b> Littleton Wind Farm	
<b>FIGURE NO.:</b> 5.1.b	
<b>CLIENT:</b> Littleton Wind Farm DAC	
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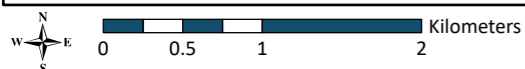
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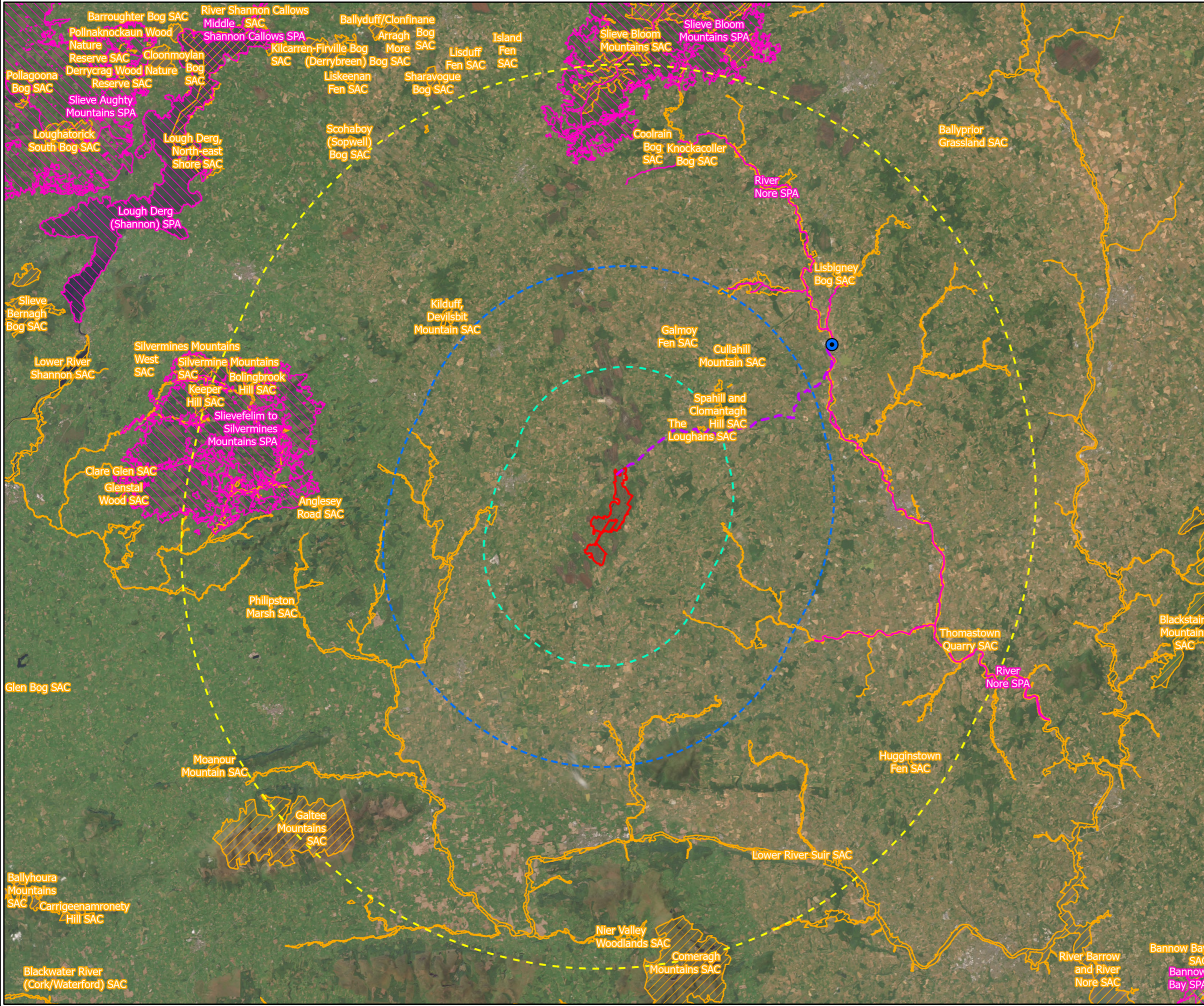


**Legend**

- Site Boundary
  - 1km
  - Turbine Locations
- Building Use
- Commercial
  - Residential
  - Mixed-Use

<b>TITLE:</b>	Receptors within 1km vicinity of the Wind Farm Site	
<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO.:</b>	5.2	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
<b>SCALE:</b>	1:47,500	<b>REVISION:</b> 0
<b>DATE:</b>	27/03/2026	<b>PAGE SIZE:</b> A3





**Legend**

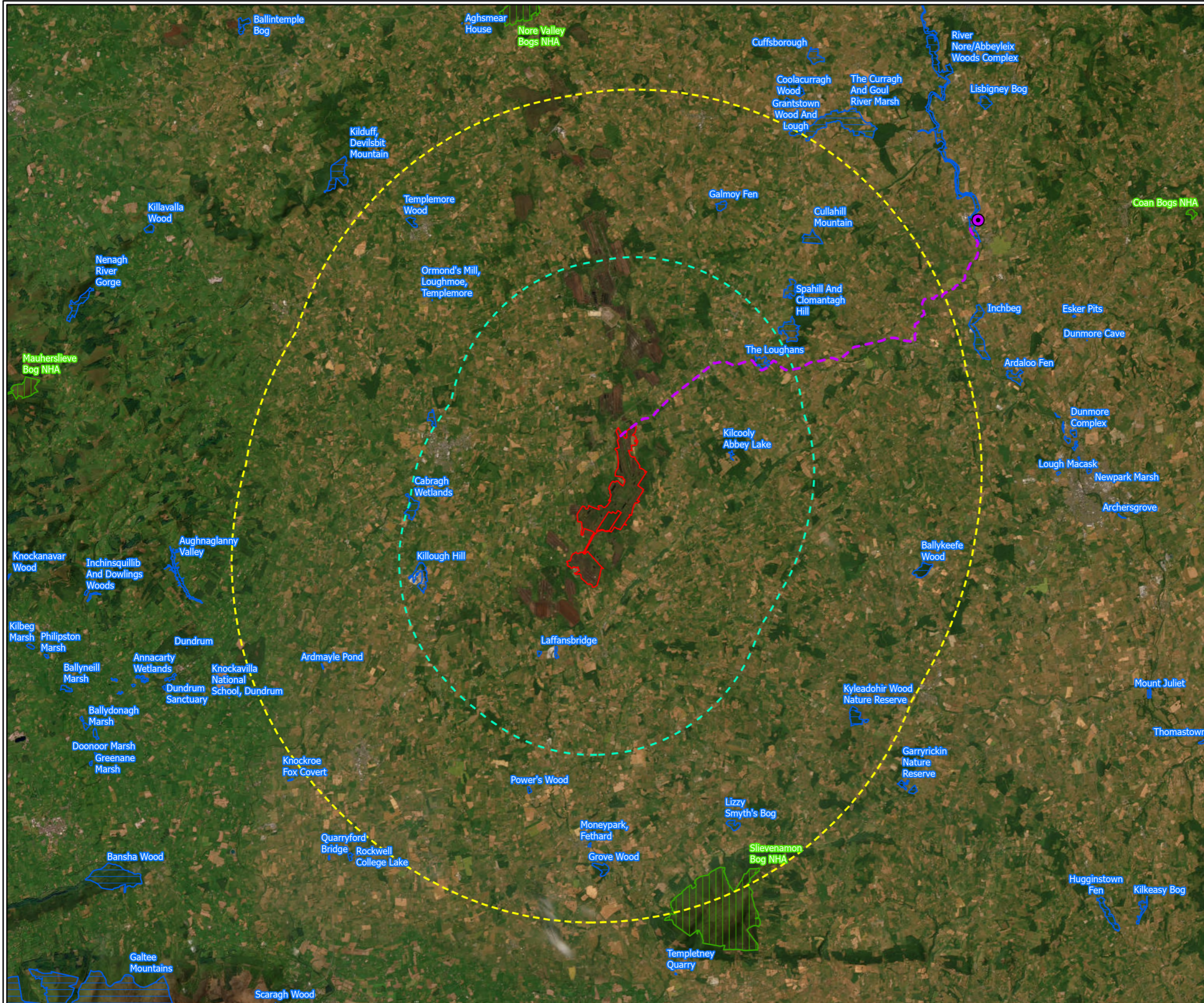
- Site Boundary
- 10km
- 20km
- 40km
- Special Protection Areas
- Special Area of Conservation
- Grid Connection Route
- Ballyragget 110kV Substation

Sites within ZoI	Code
Lower River Suir SAC	002137
The Loughans SAC	00407
River Barrow and River Nore SAC	002162
River Nore SPA	004233
Slievefelim to Silvermines Mountains SPA	004165
Slieve Bloom Mountains SPA	004160

<b>TITLE:</b>	European Sites within Zone of Influence
<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO:</b>	6.1
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:375,000
<b>REVISION:</b>	0
<b>DATE:</b>	20/03/2026
<b>PAGE SIZE:</b>	A3

**FEHILY TIMONEY** Cork | Dublin | Carlow  
[www.fehilytimoney.ie](http://www.fehilytimoney.ie)





**Legend**

- Site Boundary
- 10km
- 20km
- Natural Heritage Areas
- Proposed Natural Heritage Areas
- Grid Connection Route
- Ballyragget 110kV Substation

Sites within ZoI	Code
Cabragh Wetlands pNHA	001934
The Loughans pNHA	000407
River Nore/Abbeyleix Woods Complex pNHA	002076
Inchbeg pNHA	000836

<b>TITLE:</b>	National Sites within Zone of Influence
<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO:</b>	6.2
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:225,000
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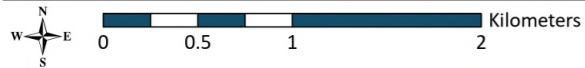
**FEHILY TIMONEY** Cork | Dublin | Carlow  
[www.fehilytimoney.ie](http://www.fehilytimoney.ie)





- Legend**
- Site Boundary
  - Turbine Locations
  - Detector Locations 2023

<b>TITLE:</b>	
Static Detector Locations 2023	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	6.3
<b>CLIENT:</b> Littleton Wind Farm DAC	
<b>SCALE:</b> 1:40,000	<b>REVISION:</b> 0
<b>DATE:</b> 20/03/2026	<b>PAGE SIZE:</b> A3





- Legend**
- Site Boundary
  - Turbine Locations
  - Detector Locations 2025

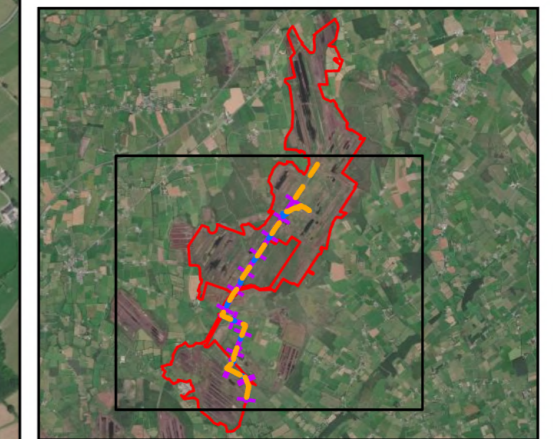
<b>TITLE:</b>	Static Detector Locations 2025
<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO.:</b>	6.4
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:40,000
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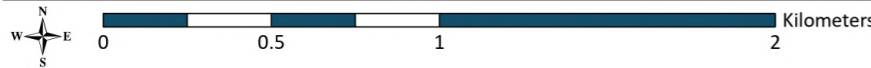


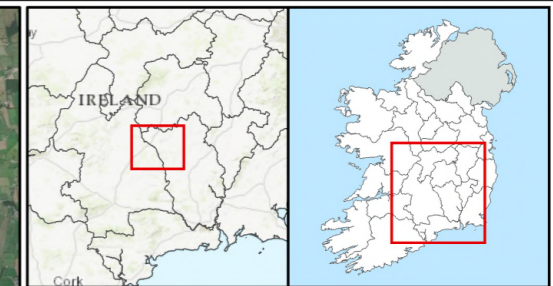
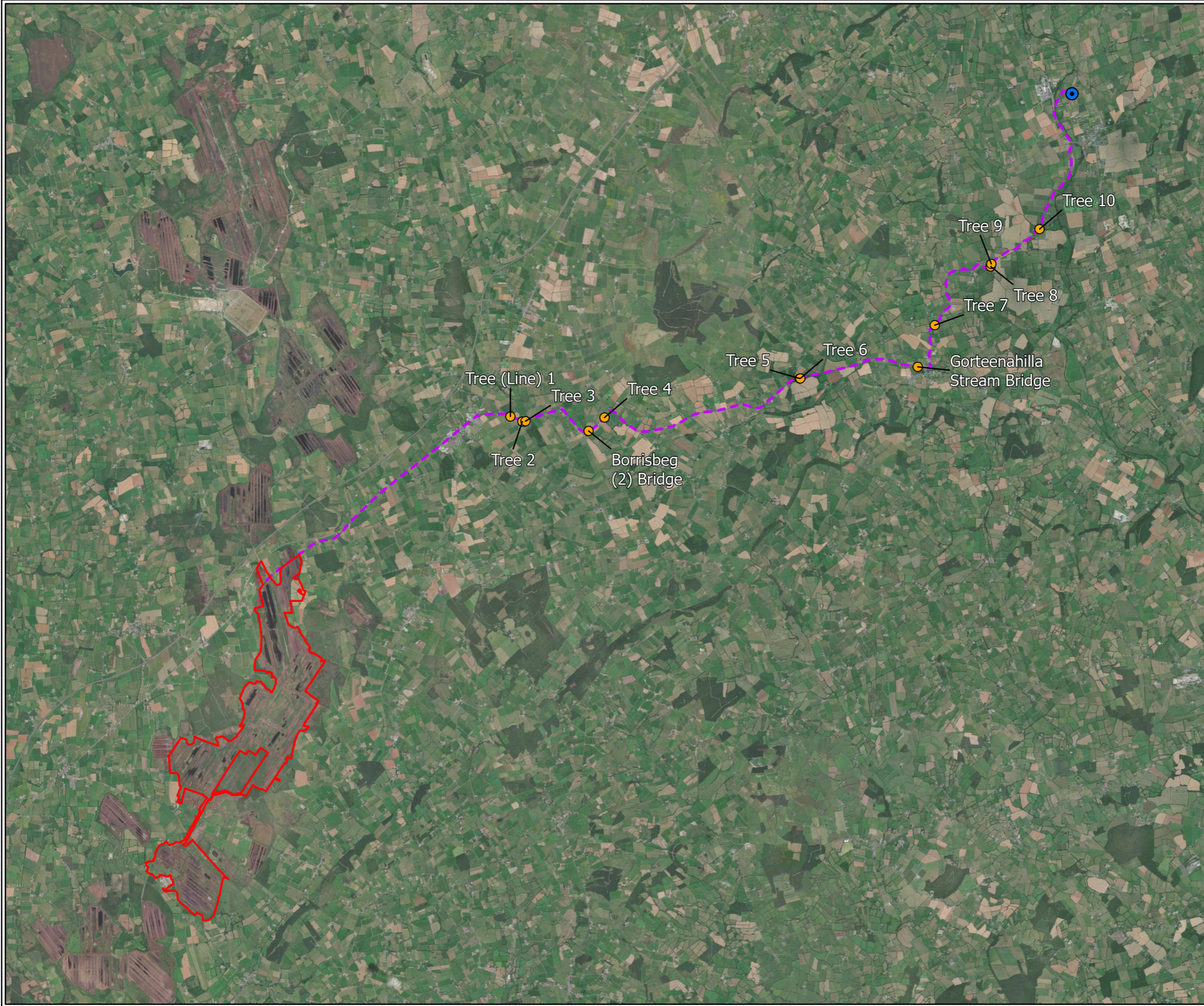
**Legend**

- Site Boundary
- Round 1 (Spring 2023)
- Round 2 (Summer 2023)
- Round 3 (Autumn 2023)
- Turbine Locations



<b>TITLE:</b>	Transect Routes and Turbine Locations		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	6.5		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:22,500	<b>REVISION:</b>	0
<b>DATE:</b>	20/03/2026	<b>PAGE SIZE:</b>	A3

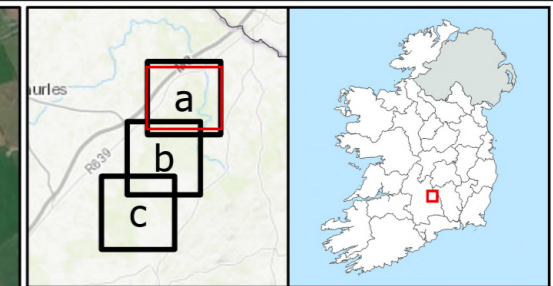
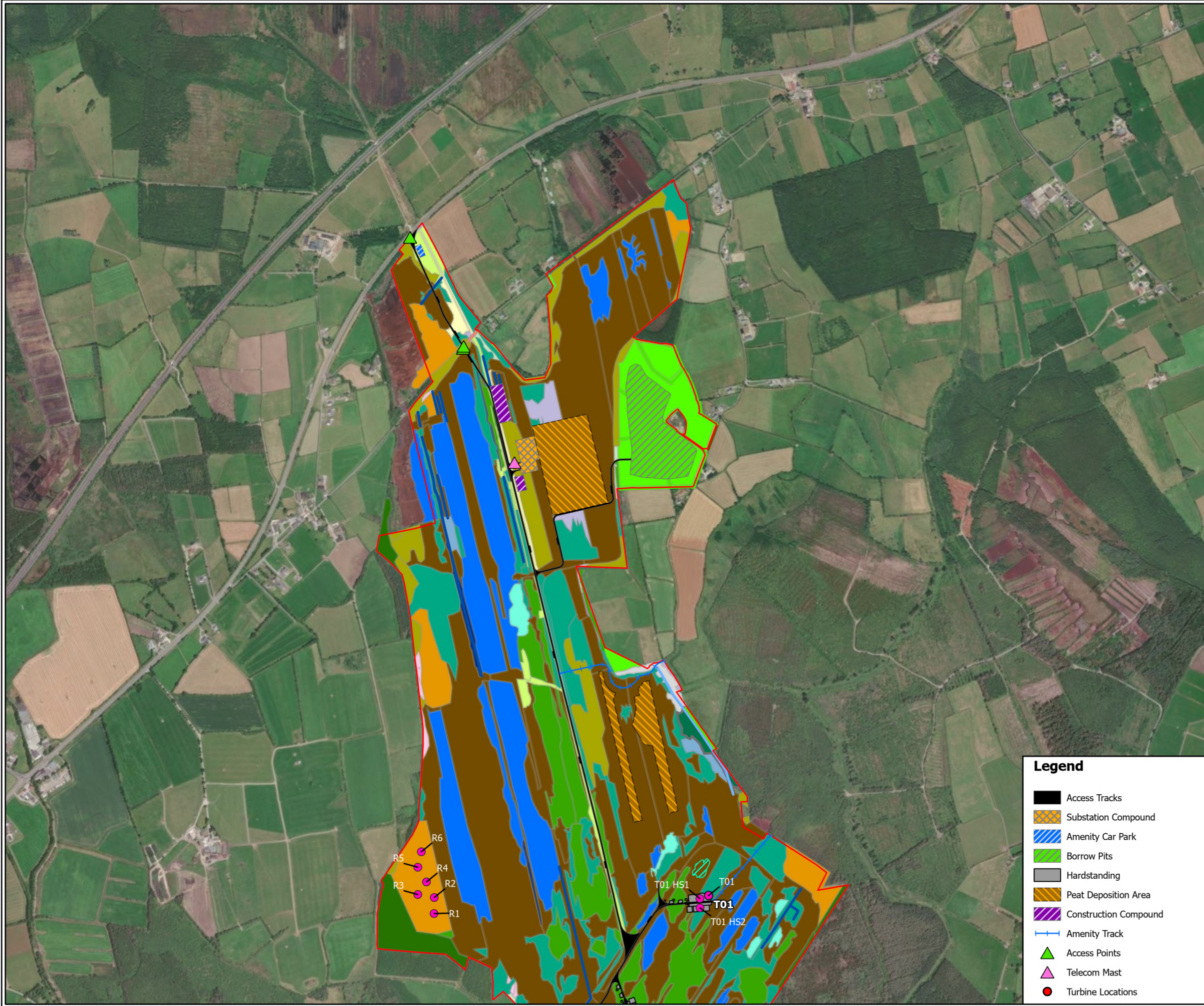




- Legend**
- Site Location
  - Grid Connection Route
  - Ballyragget 110kV Substation
  - Grid Route Bat Survey Locations

<b>TITLE:</b>	
Grid Connection Survey Locations	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	6.6
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b> 1:100,000	<b>REVISION:</b> 0
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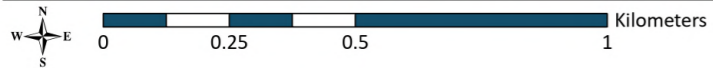


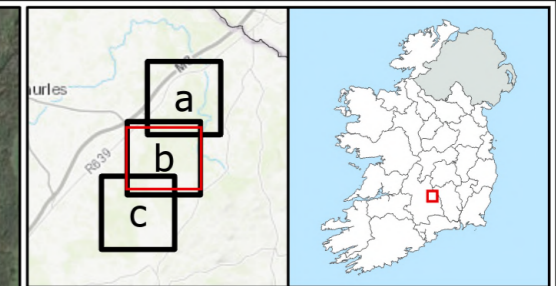
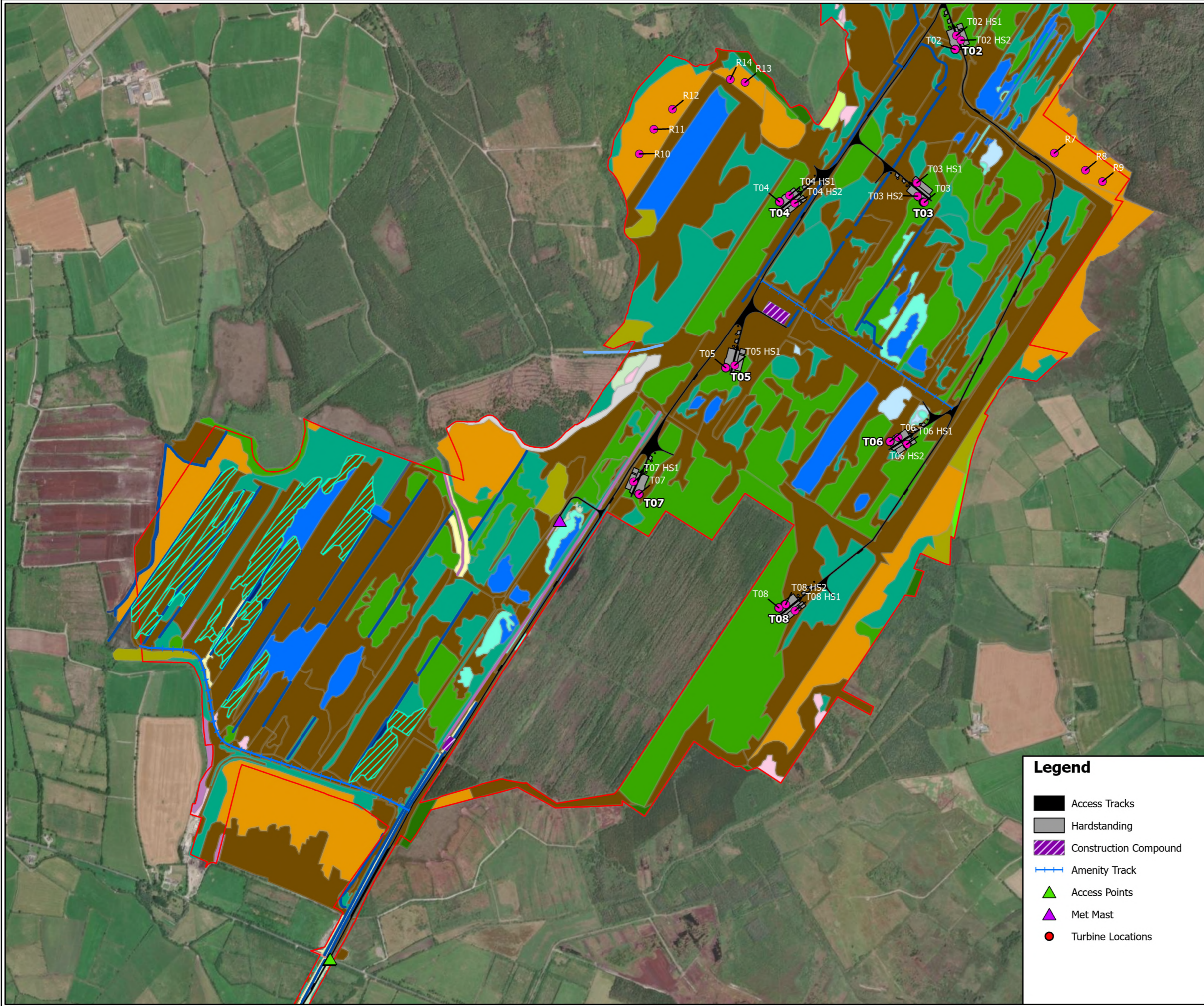


- Legend**
- Site Boundary
  - High Sphagnum Areas
  - BL2 - Earth banks
  - BL3 - Buildings and artificial surfaces
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FL1 - dystrophic lakes
  - FS1 - Reed and large sedge swamps
  - FW4 - Drainage ditches
  - GA1 - Improved agricultural grassland
  - GS1 - Dry calcareous and neutral grassland
  - GS2 - Dry meadows and grassy verges
  - GS4 - Wet grassland
  - HD1 - Dense bracken
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WD2 - Mixed broadleaved/conifer woodland
  - WD4 - Conifer plantation
  - WL1 - Hedgerows
  - WL2 - Treelines
  - WN1 - Oak-birch-holly woodland
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - WS3 - Ornamental/non-native shrub
  - WS1/HD1 - Scrub/Dense bracken Mosaic
  - BL2 - Earth banks
  - FW2 - Depositing/lowland rivers
  - FW4 - Drainage ditches
  - WL1 - Hedgerows
  - WL2 - Treelines
  - Relevés 2025

- Legend**
- Access Tracks
  - Substation Compound
  - Amenity Car Park
  - Borrow Pits
  - Hardstanding
  - Peat Deposition Area
  - Construction Compound
  - Amenity Track
  - ▲ Access Points
  - ▲ Telecom Mast
  - Turbine Locations

<b>TITLE:</b>	Habitat Map
<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO:</b>	6.7.a
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:15,000
<b>REVISION:</b>	0
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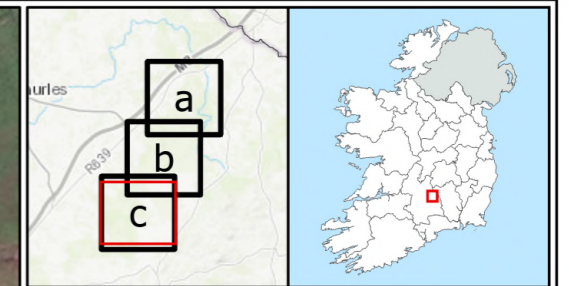
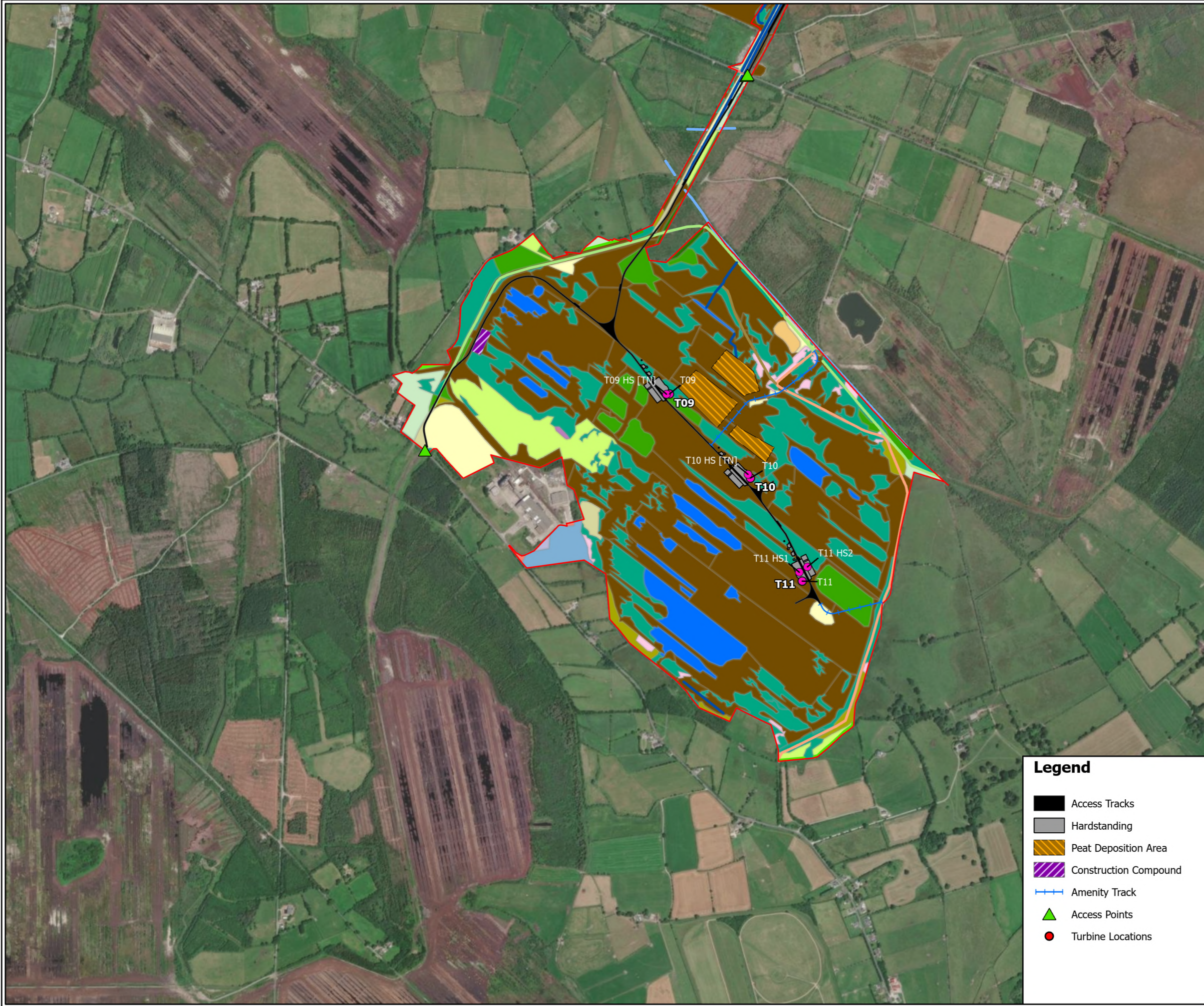


- Legend**
- Site Boundary
  - High Sphagnum Areas
  - BL2 - Earth banks
  - BL3 - Buildings and artificial surfaces
  - ED3 - Recolonising bare ground
  - FL1 - Dystrophic lakes
  - FL2 - Acid oligotrophic lakes
  - FS1 - Reed and large sedge swamps
  - FW4 - Drainage ditches
  - GA1 - Improved agricultural grassland
  - GS1 - Dry calcareous and neutral grassland
  - GS4 - Wet grassland
  - HD1 - Dense bracken
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WD2 - Mixed broadleaved/conifer woodland
  - WD3 - (Mixed) conifer woodland
  - WD4 - Conifer plantation
  - WL2 - Treelines
  - WN1 - Oak-birch-holly woodland
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - FS1 - Reed and large sedge swamps
  - FW2 - Depositing/lowland rivers
  - FW4 - Drainage ditches
  - WS1 - Scrub
  - Relevés 2025

- Legend**
- Access Tracks
  - Hardstanding
  - Construction Compound
  - Amenity Track
  - ▲ Access Points
  - ▲ Met Mast
  - Turbine Locations

<b>TITLE:</b>	Habitat Map
<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO:</b>	6.7.b
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:15,000
<b>REVISION:</b>	0
<b>DATE:</b>	20/03/2026
<b>PAGE SIZE:</b>	A3





- Legend**
- Site Boundary
  - BL3 - Buildings and artificial surfaces
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FL1 - Dystrophic lakes
  - FL8 - Other artificial lakes and ponds
  - FW4 - Drainage ditches
  - GA1 - Improved agricultural grassland
  - GS1 - Dry calcareous and neutral grassland
  - GS2 - Dry meadows and grassy verges
  - GS4 - Wet grassland
  - HD1 - Dense bracken
  - PB4 - Cutover bog
  - WD2 - Mixed broadleaved/conifer woodland
  - WD4 - Conifer plantation
  - WL2 - Treelines
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - BL3 - Buildings and artificial surfaces
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FW2 - Depositing/lowland rivers
  - FW4 - Drainage ditches
  - WL1 - Hedgerows
  - WL2 - Treelines
  - WS1 - Scrub
  - Relevés 2025

- Legend**
- Access Tracks
  - Hardstanding
  - Peat Deposition Area
  - Construction Compound
  - Amenity Track
  - Access Points
  - Turbine Locations

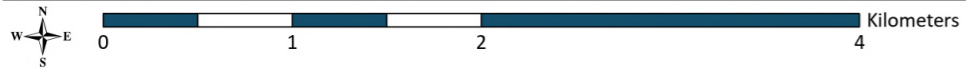
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<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO:</b>	6.7.c	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
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<b>DATE:</b>	20/03/2026	<b>PAGE SIZE:</b> A3





- Legend**
- Site Boundary
  - Annex I Degraded Raised Bog [7120]

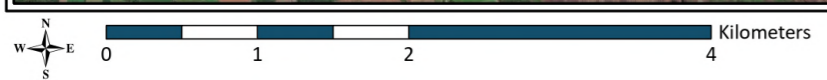
<b>TITLE:</b> Areas to be DRB Capable of Regeneration, Indicated by BnM Hydrological Modelling	
<b>PROJECT:</b> Littleton Wind Farm	
<b>FIGURE NO:</b>	6.8
<b>CLIENT:</b>	Littleton Wind Farm DAC
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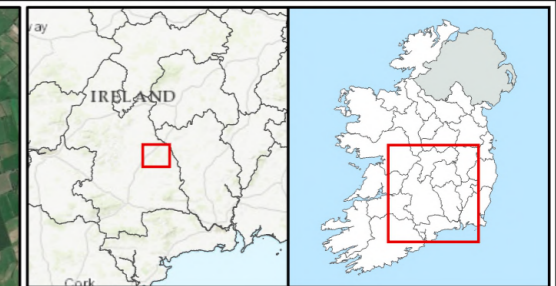




- Legend**
- Site Boundary
- Species, desc
- Badger, Abundant snuffles
  - Badger, Apples half eaten by mammal
  - Badger, Latrine
  - Badger, Prints
  - Badger, Scat
  - Badger, Snuffle
  - Badger, Snuffle hole
  - Badger, Snuffles
  - Deer, Deer Tracks
  - Deer, Deer tracks
  - Fox, Scat
  - Fox/Rabbit, Burrow/Den
  - Hare, Droppings
  - Pine marten, Live sighting
  - Pine marten, Scat
  - Rabbit, Live sighting
  - Sika, Rutting call to east
  - Undefined, Burrow

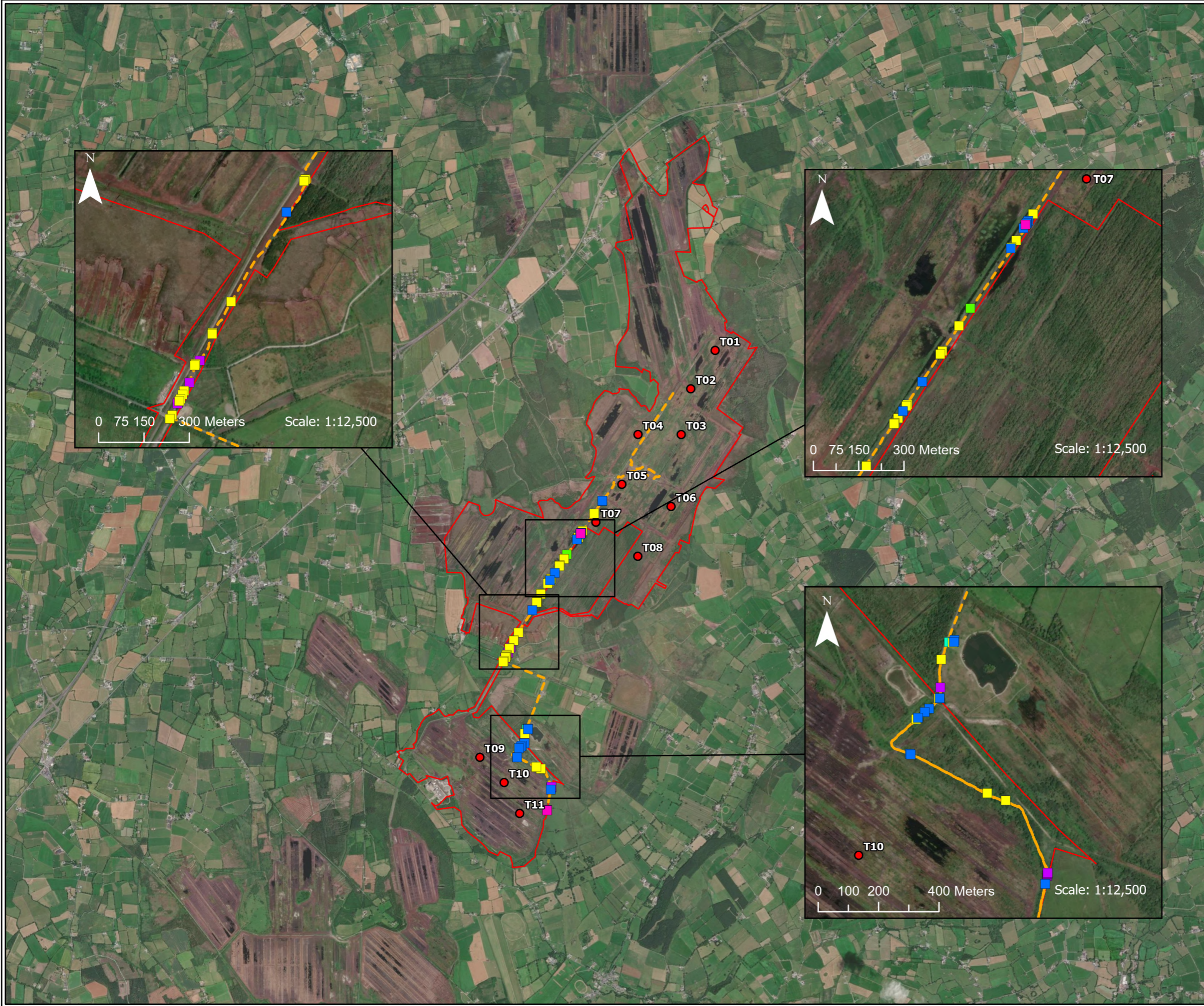
<b>TITLE:</b>	Mammal Field Signs	
<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO:</b>	6.9	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
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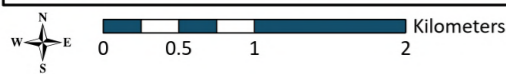


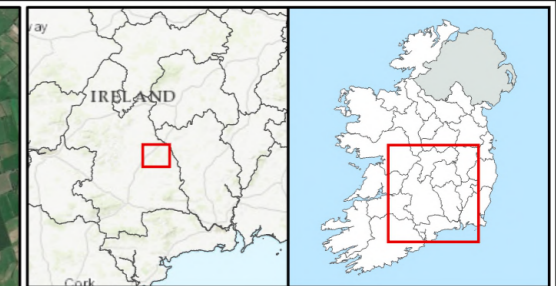
**Legend**

- Site Boundary
  - Round 1 (Spring 2023)
  - Turbine Locations
- Species
- Myotis daubentonii
  - Nyctalus leisleri
  - Pipistrellus nathusii
  - Pipistrellus pipistrellus
  - Pipistrellus pygmaeus
  - Plecotus auritus

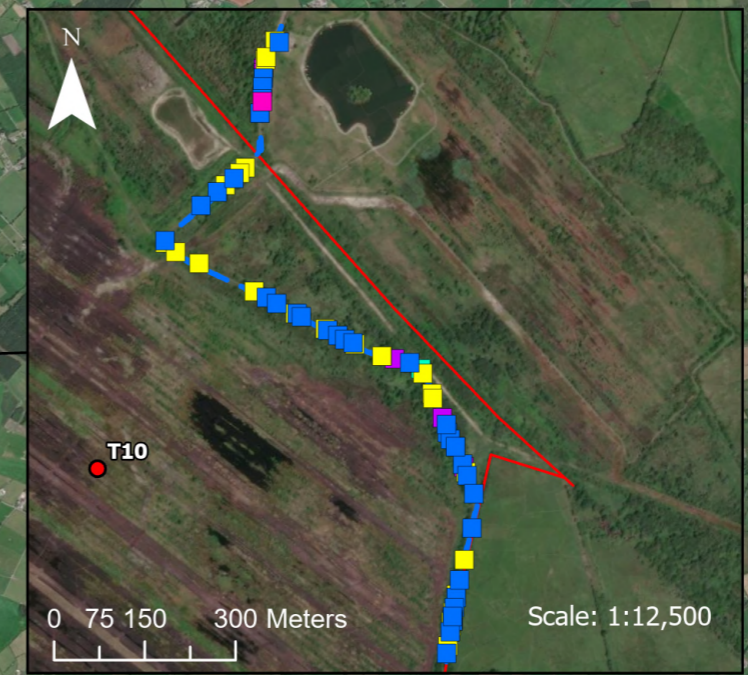


<b>TITLE:</b>	Round 1 Transect Routes and Distribution of Bats		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	6.10		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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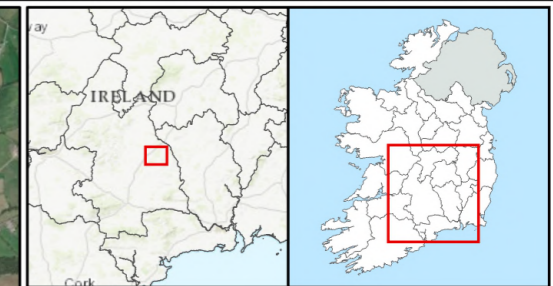


- Legend**
- Site Boundary
  - Round 2 (Summer 2023)
  - Turbine Locations
- Species**
- Myotis daubentonii
  - Nyctalus leisleri
  - Pipistrellus nathusii
  - Pipistrellus pipistrellus
  - Pipistrellus pygmaeus
  - Plecotus auritus

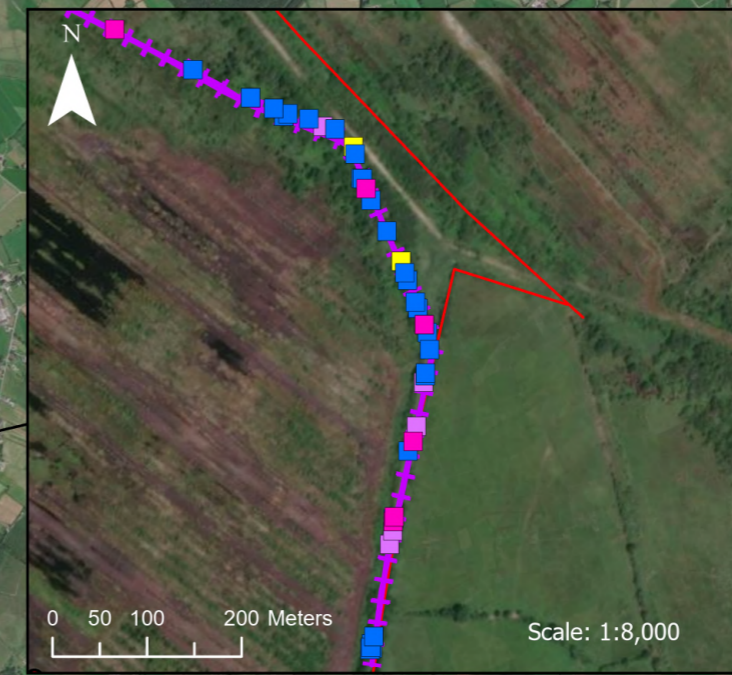


<b>TITLE:</b>	Round 2 Transect Routes and Distribution of Bats		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	6.11		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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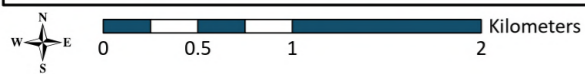


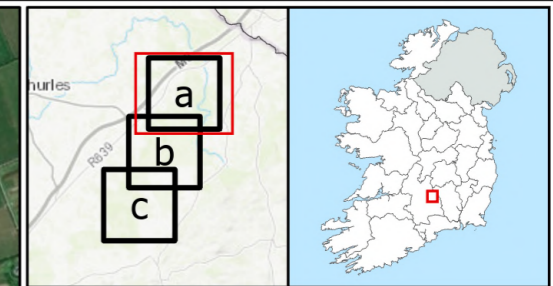


- Legend**
- Site Boundary
  - + Round 3 (Autumn 2023)
  - Turbine Locations
- Species**
- Myotis daubentonii
  - Nyctalus leisleri
  - Pipistrellus nathusii
  - Pipistrellus pipistrellus
  - Pipistrellus pygmaeus
  - Plecotus auritus



<b>TITLE:</b>	Round 3 Transect Routes and Distribution of Bats		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	6.12		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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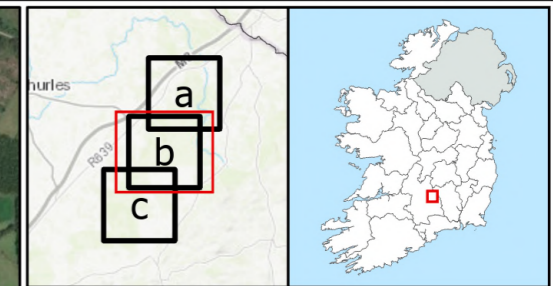




- Legend**
- Site Boundary
  - Construction Compound
  - Substation Compound
  - Peat Deposition Area
  - Hardstanding
  - Borrow Pits
  - Access Tracks
  - Amenity Car Park
  - Amenity Track
  - Telecom Mast
  - Access Points
  - Turbine Locations
- Marsh Fritillary**
- Marsh Fritillary Habitat
  - Discarded larval web
  - Larval web with caterpillars
  - Larval webs (2 active)
  - Larval webs with caterpillars

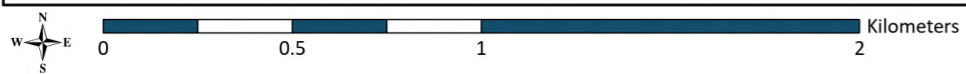
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<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	6.13.a		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:20,000	<b>REVISION:</b>	0
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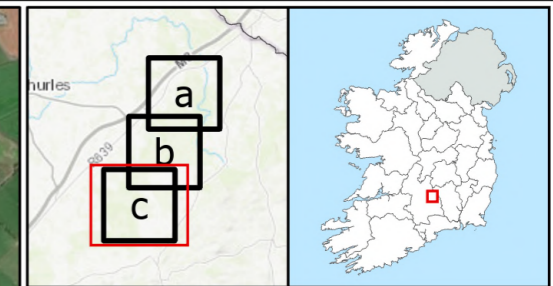




- Legend**
- Site Boundary
  - Construction Compound
  - Peat Deposition Area
  - Hardstanding
  - Access Tracks
  - + Amenity Track
  - ▲ Met Mast
  - ▲ Access Points
  - Turbine Locations
- Marsh Fritillary**
- Marsh Fritillary Habitat
  - Adult
  - Discarded larval web
  - Larval web
  - Larval webs
  - Larval webs with caterpillars

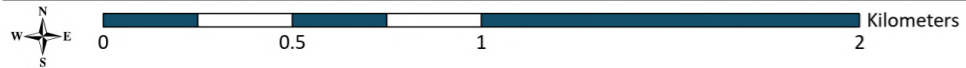
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<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO.:</b>	6.13.b
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:20,000
<b>REVISION:</b>	0
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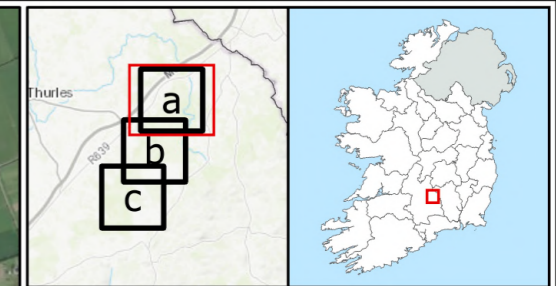
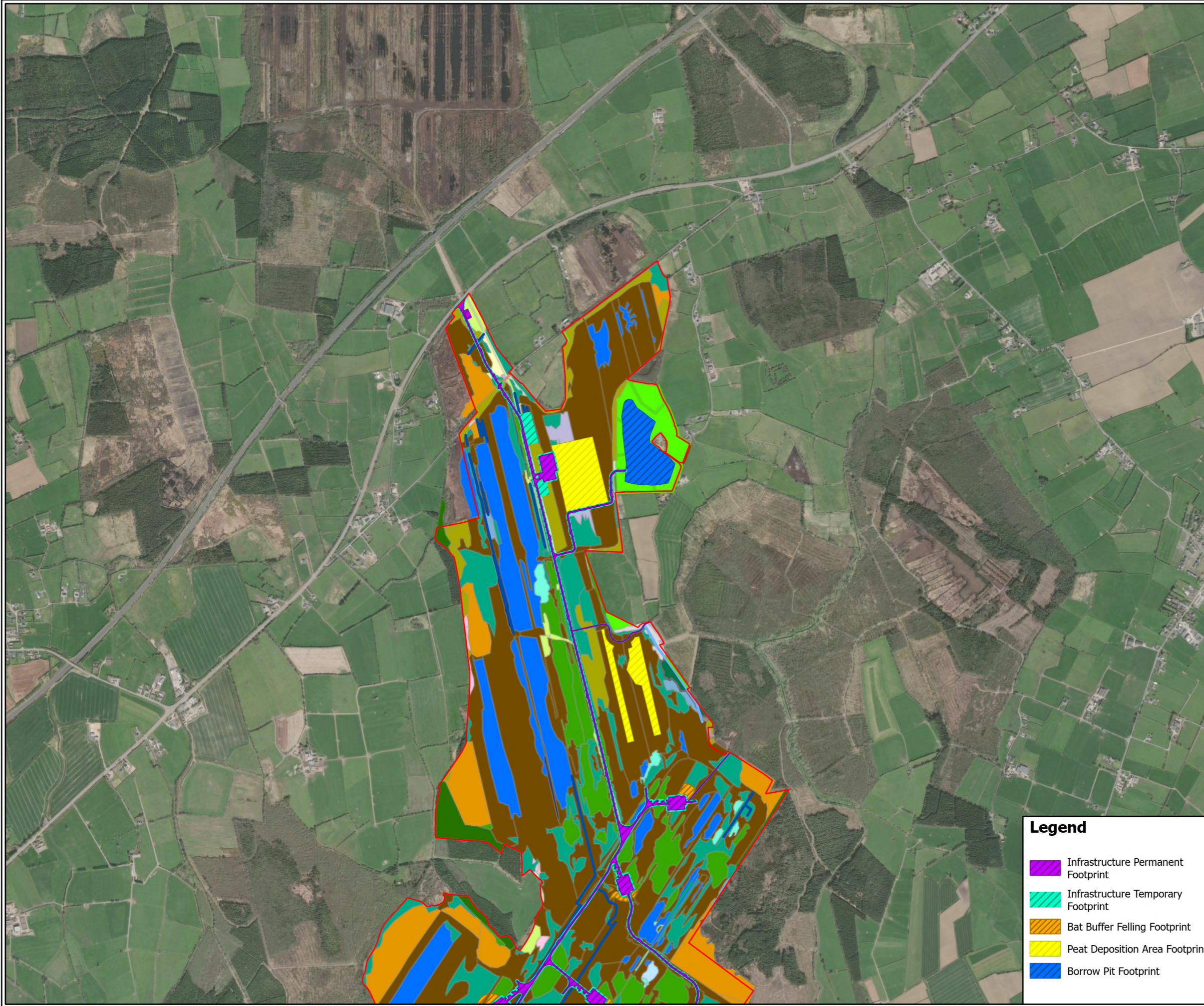




- Legend**
- Site Boundary
  - Construction Compound
  - Peat Deposition Area
  - Hardstanding
  - Access Tracks
  - Amenity Track
  - Access Points
  - Turbine Locations
- Marsh Fritillary**
- Marsh Fritillary Habitat
  - Larval web with caterpillars
  - Larval webs
  - Larval Webs (2 active)
  - Larval webs (2 active)

<b>TITLE:</b>	Marsh Fritillary		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	6.13.c		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:20,000	<b>REVISION:</b>	0
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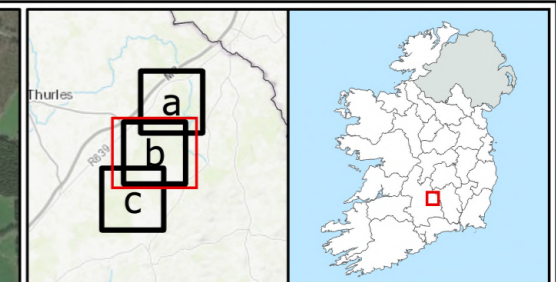
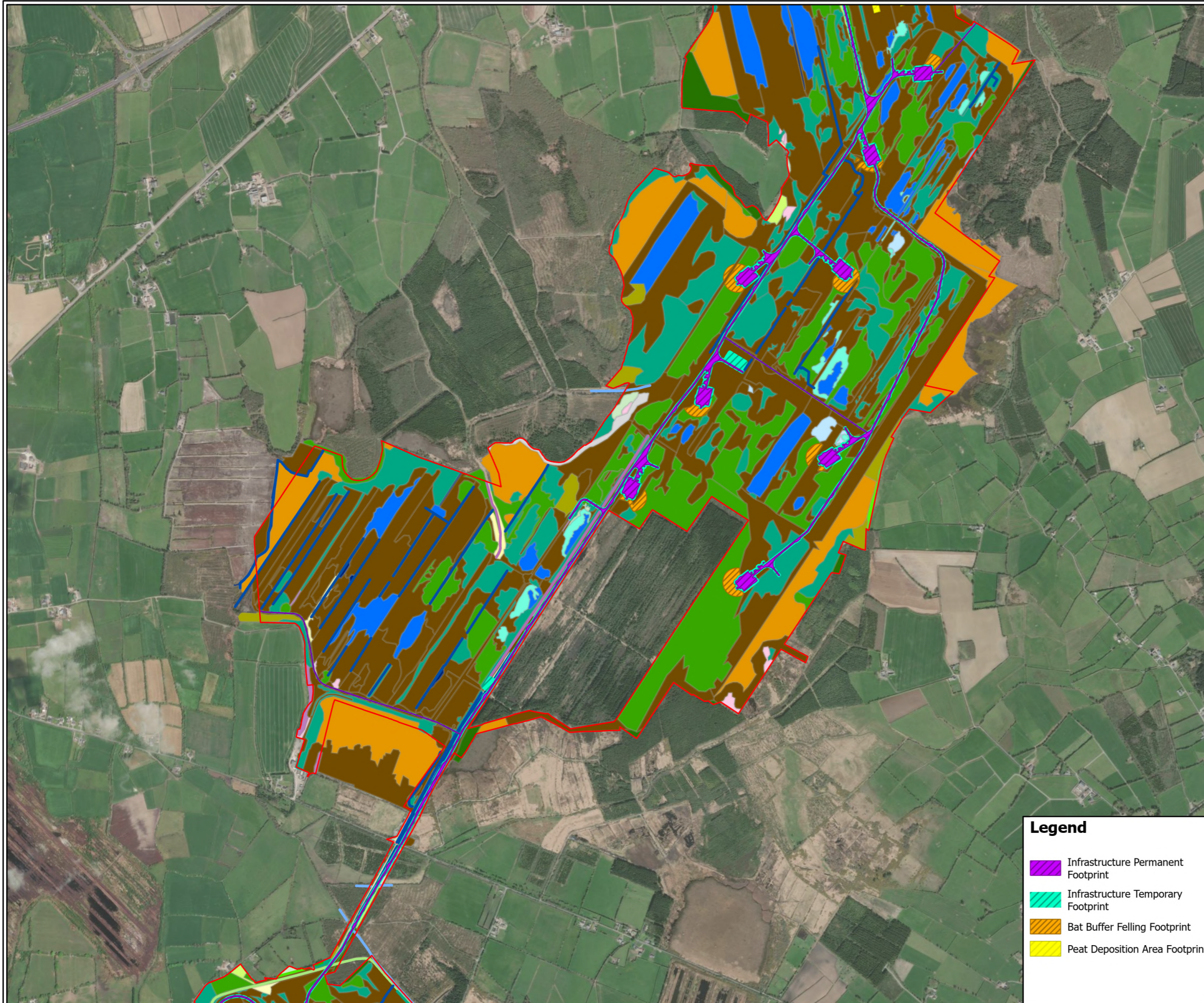


- Legend**
- Site Boundary
  - BL2 - Earth banks
  - BL3 - Buildings and artificial surfaces
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FL1 - Dystrophic lakes
  - FS1 - Reed and large sedge swamps
  - FW4 - Drainage ditches
  - GA1 - Improved agricultural grassland
  - GS1 - Dry calcareous and neutral grassland
  - GS2 - Dry meadows and grassy verges
  - GS4 - Wet grassland
  - HD1 - Dense bracken
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WD2 - Mixed broadleaved/conifer woodland
  - WD4 - Conifer plantation
  - WL1 - Hedgerows
  - WL2 - Treelines
  - WN1 - Oak-birch-holly woodland
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - WS3 - Ornamental/non-native shrub
  - WS1/HD1 - Scrub/Dense bracken Mosaic
  - BL2 - Earth banks
  - FW2 - Depositing/lowland rivers
  - FW4 - Drainage ditches
  - WL1 - Hedgerows
  - WL2 - Treelines
  - WS1 - Scrub

- Legend**
- Infrastructure Permanent Footprint
  - Infrastructure Temporary Footprint
  - Bat Buffer Felling Footprint
  - Peat Deposition Area Footprint
  - Borrow Pit Footprint

<b>TITLE:</b>	
Bat Habitat Loss/Gap Assessment	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	6.14.a
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:20,000
<b>REVISION:</b>	0
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<b>PAGE SIZE:</b>	A3

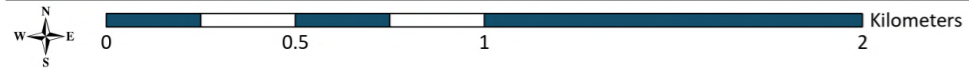


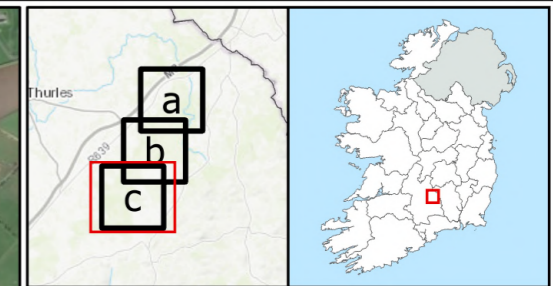
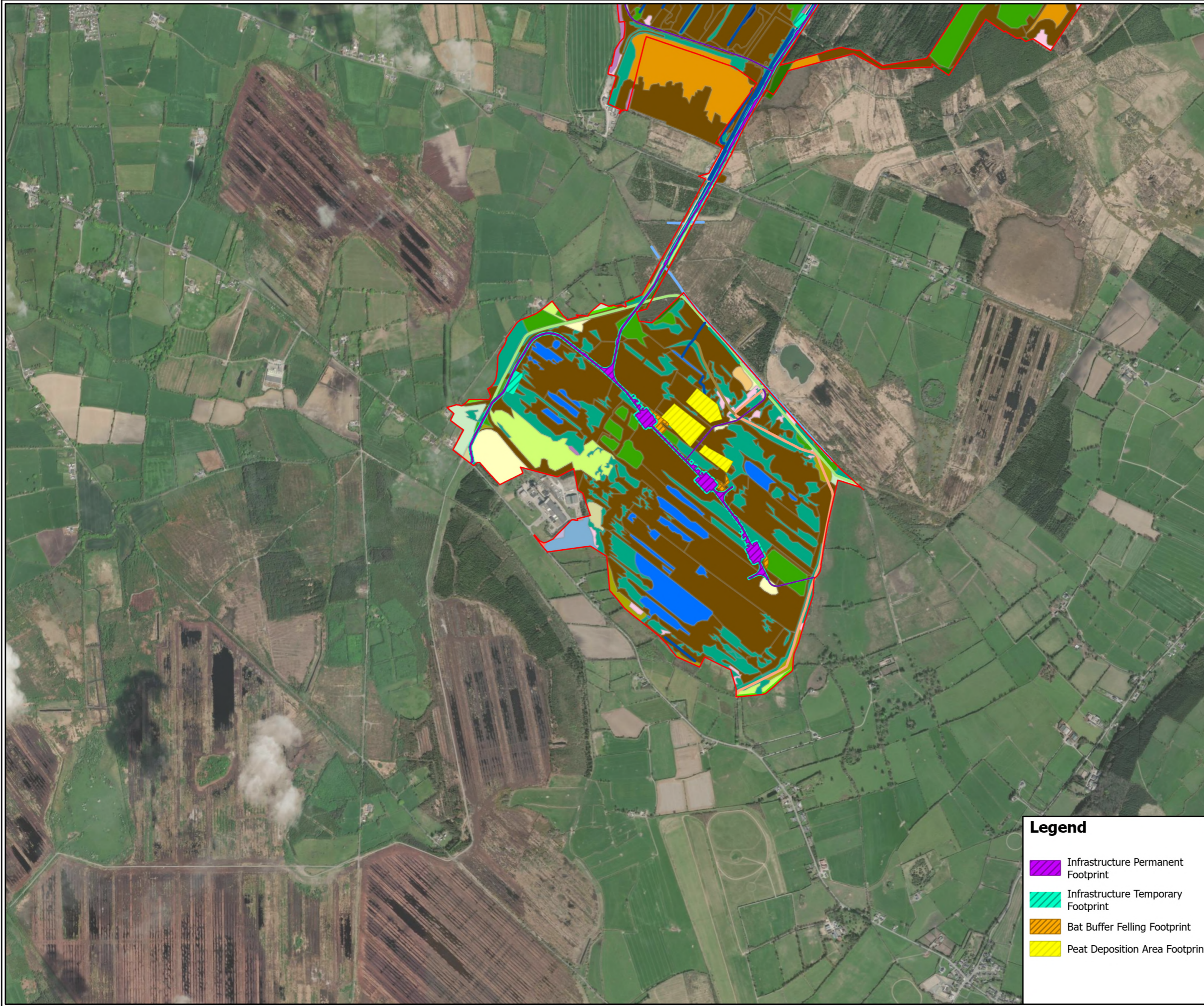


- Legend**
- Site Boundary
  - BL2 - Earth banks
  - BL3 - Buildings and artificial surfaces
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FL1 - Dystrophic lakes
  - FL2 - Acid oligotrophic lakes
  - FS1 - Reed and large sedge swamps
  - FW4 - Drainage ditches
  - GA1 - Improved agricultural grassland
  - GS1 - Dry calcareous and neutral grassland
  - GS4 - Wet grassland
  - HD1 - Dense bracken
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WD2 - Mixed broadleaved/ conifer woodland
  - WD3 - (Mixed) conifer woodland
  - WD4 - Conifer plantation
  - WL2 - Treelines
  - WN1 - Oak-birch-holly woodland
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - FS1 - Reed and large sedge swamps
  - FW2 - Depositing/lowland rivers
  - FW4 - Drainage ditches
  - WS1 - Scrub

- Legend**
- Infrastructure Permanent Footprint
  - Infrastructure Temporary Footprint
  - Bat Buffer Felling Footprint
  - Peat Deposition Area Footprint

<b>TITLE:</b>	Bat Habitat Loss/Gap Assessment
<b>PROJECT:</b>	Littleton Wind Farm
<b>FIGURE NO:</b>	6.14.b
<b>CLIENT:</b>	Littleton Wind Farm DAC
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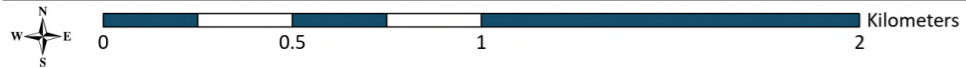


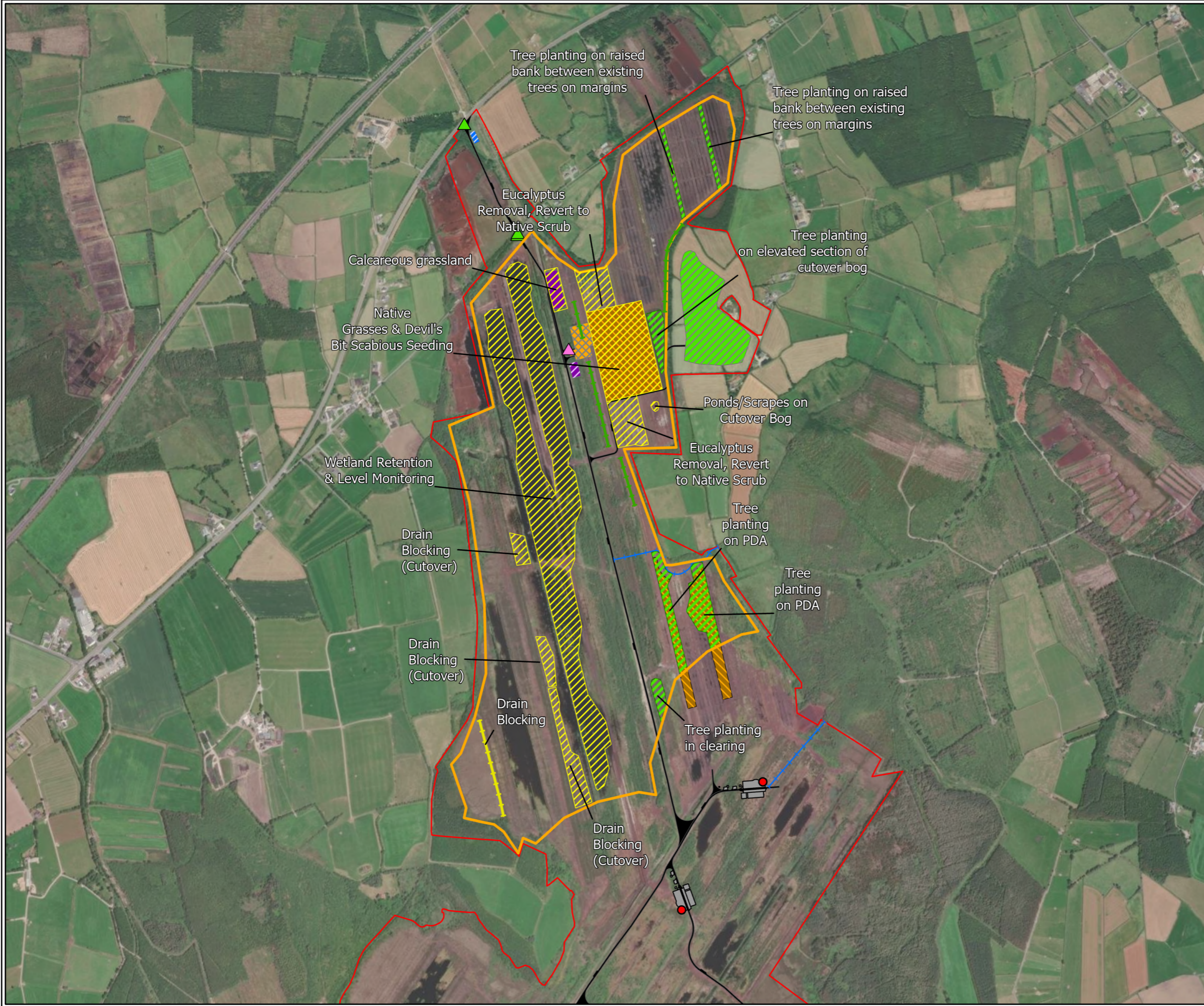


- Legend**
- Site Boundary
  - BL3 - Buildings and artificial surfaces
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FL1 - Dystrophic lakes
  - FL8 - Other artificial lakes and ponds
  - FW4 - Drainage ditches
  - GA1 - Improved agricultural grassland
  - GS1 - Dry calcareous and neutral grassland
  - GS2 - Dry meadows and grassy verges
  - GS4 - Wet grassland
  - HD1 - Dense bracken
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WD2 - Mixed broadleaved/conifer woodland
  - WD4 - Conifer plantation
  - WL2 - Treelines
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - BL3 - Buildings and artificial surfaces
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FW2 - Depositing/lowland rivers
  - FW4 - Drainage ditches
  - WL1 - Hedgerows
  - WL2 - Treelines
  - WS1 - Scrub

- Legend**
- Infrastructure Permanent Footprint
  - Infrastructure Temporary Footprint
  - Bat Buffer Felling Footprint
  - Peat Deposition Area Footprint

<b>TITLE:</b>	Bat Habitat Loss/Gap Assessment	
<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO:</b>	6.14.c	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
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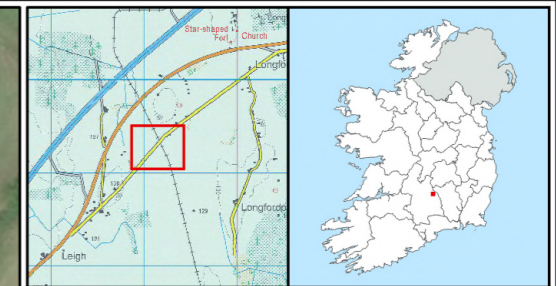


- Legend**
- Site Boundary
  - Construction Compound
  - Substation Compound
  - Peat Deposition Area
  - Hardstanding
  - Borrow Pits
  - Amenity Car Park
  - Access Tracks
  - Proposed BEMP Area
  - BEMP Areas
  - Tree Planting
  - Tree Planting
  - BEMP Lines
  - Amenity Track
  - ▲ Access Points
  - ▲ Telecom Mast
  - Turbine Locations



<b>TITLE:</b>	BEMP Measures		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	6.15		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:15,000	<b>REVISION:</b>	0
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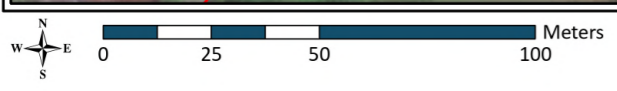


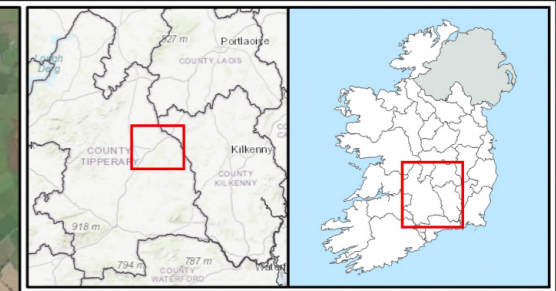
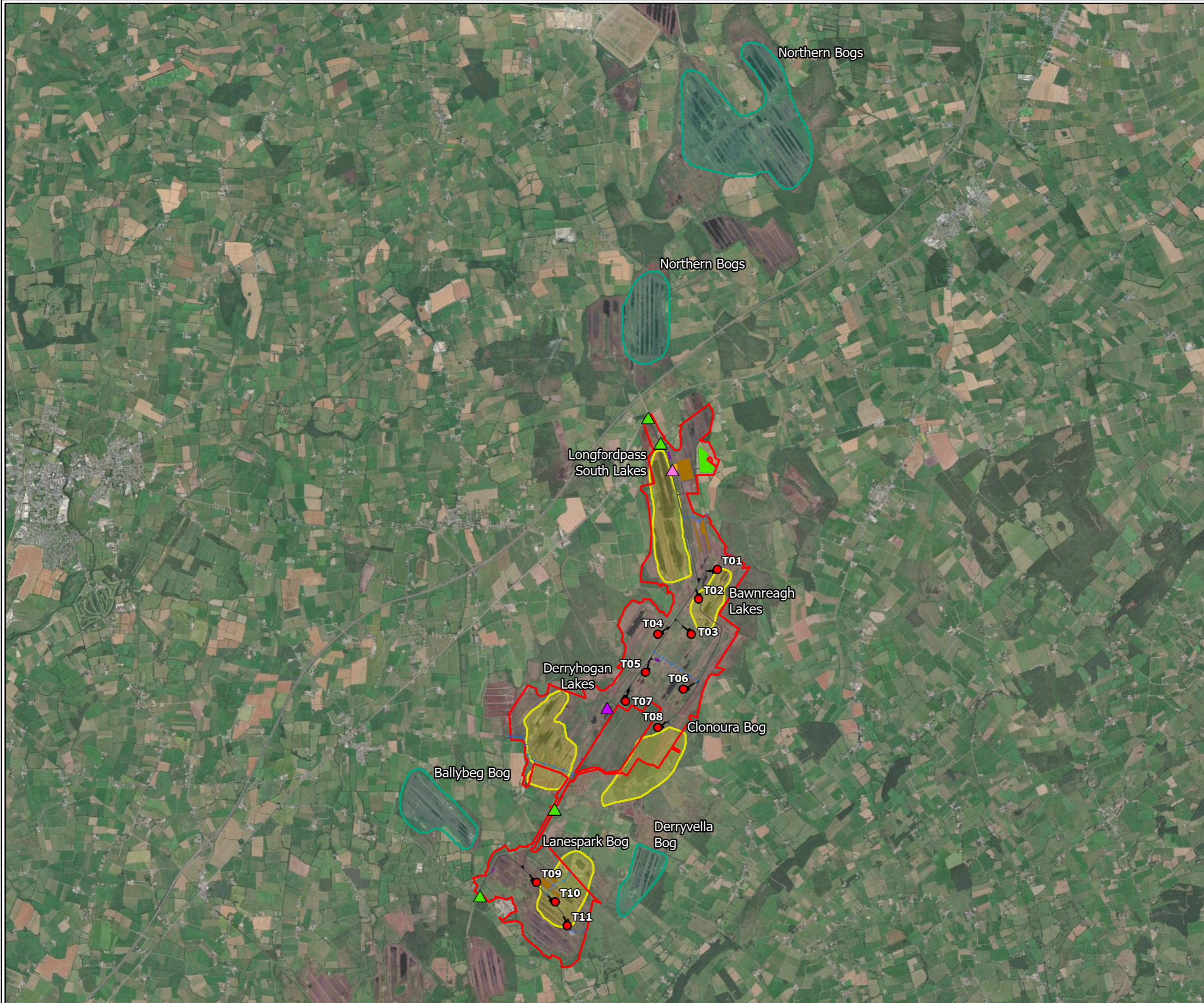


- Legend**
- Site Boundary
  - Construction Compound
  - Access Tracks
  - Infrastructure Temporary Footprint
  - Access Points
  - Turbine Locations
- Invasive Species**
- Japanese Knotweed Buffer
  - Japanese Knotweed



<b>TITLE:</b>	Invasive Species at Proposed Wind Farm		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	6.16		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:1,750	<b>REVISION:</b>	0
<b>DATE:</b>	20/03/2026	<b>PAGE SIZE:</b>	A3





**Legend**

- Site Boundary
- Access Tracks
- Amenity Car Park
- Borrow Pits
- Hardstanding
- Peat Deposition Area
- Substation Compound
- Construction Compound

**Location Outline**

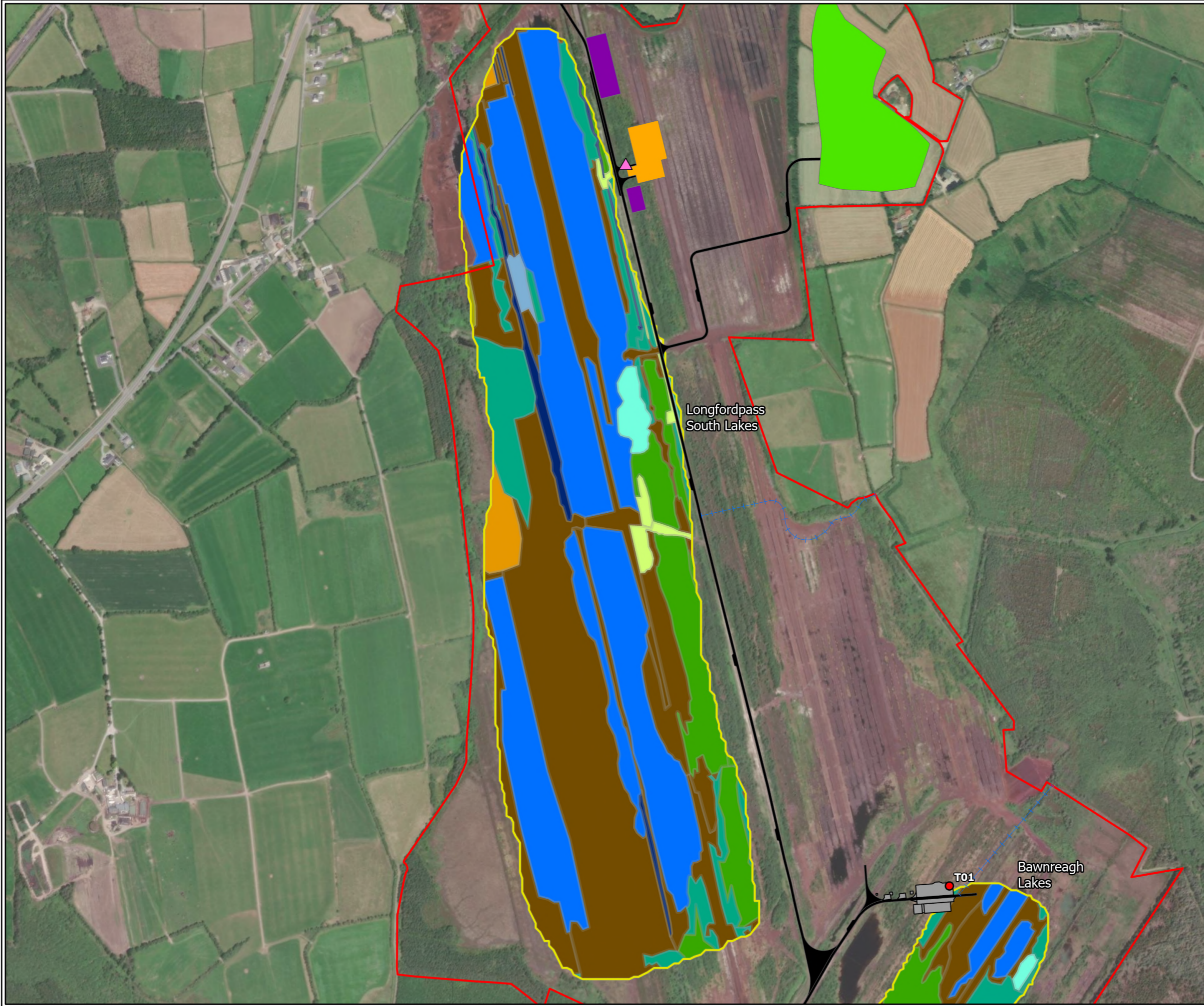
- Hinterland
- Site

**Other Symbols**

- + + + Amenity Track
- ▲ Access Points
- ▲ Met Mast
- ▲ Telecom Mast
- Turbine Locations

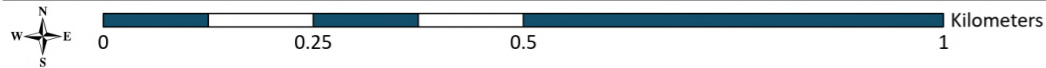
<b>TITLE:</b>	Map of Key Habitat Areas		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	7.1		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:65,000	<b>REVISION:</b>	0
<b>DATE:</b>	18/03/2026	<b>PAGE SIZE:</b>	A3

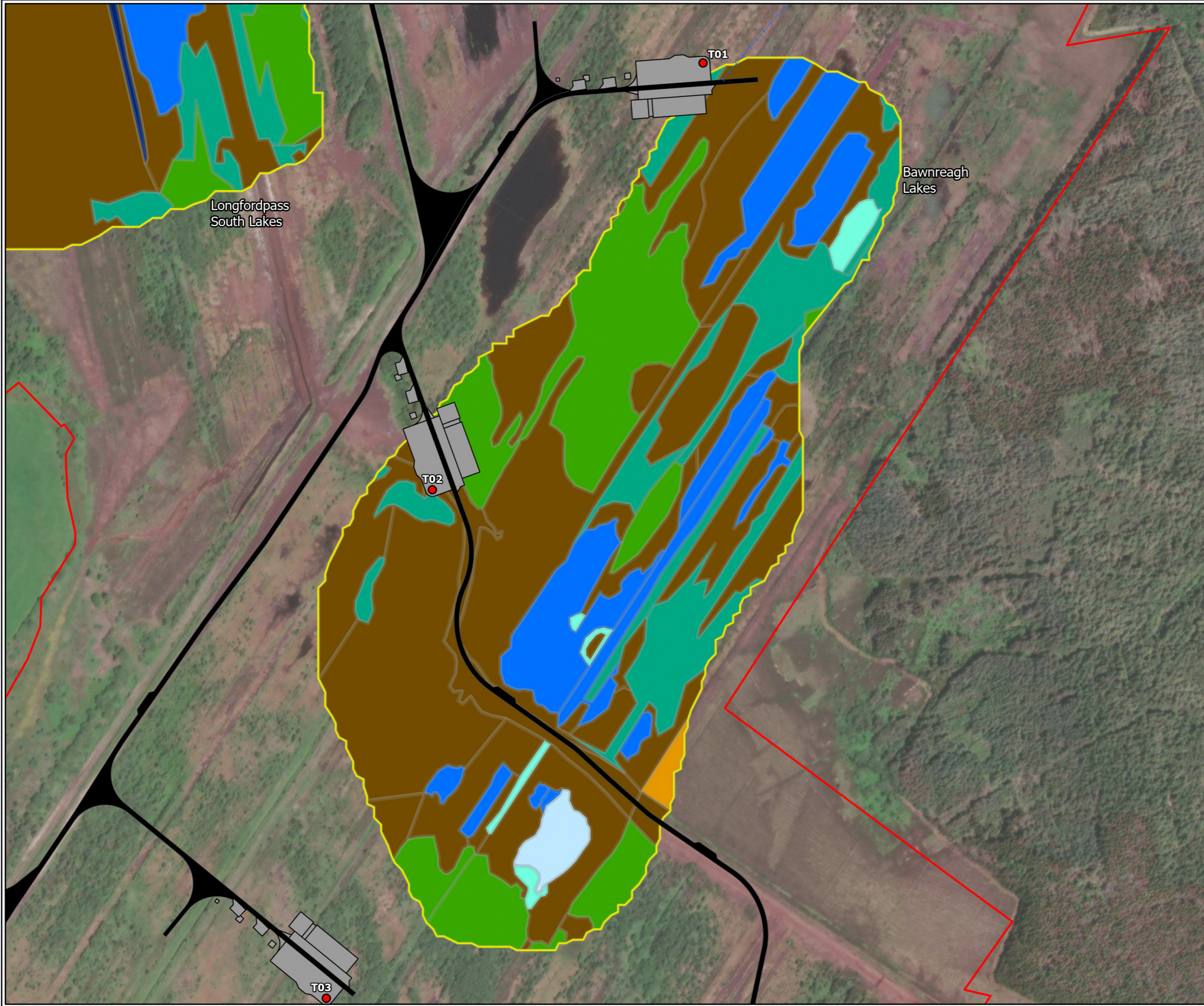




- Legend**
- Site Boundary
  - Access Tracks
  - Borrow Pits
  - Hardstanding
  - Substation Compound
  - Construction Compound
  - BL2 - Earth banks
  - FL1 - Dystrophic lakes
  - FS1 - Reed and large sedge swamps
  - FW4 - Drainage ditches
  - GS1 - Dry calcareous and neutral grassland
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WD2 - Mixed broadleaved/conifer woodland
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - Habitat Outline
  - Amenity Track
  - ▲ Telecom Mast
  - Turbine Locations

<b>TITLE:</b> Key Habitat Area 1: Longfordpass South Lakes	
<b>PROJECT:</b> Littleton Wind Farm	
<b>FIGURE NO:</b>	7.2
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<b>DATE:</b> 18/03/2026	<b>PAGE SIZE:</b> A3





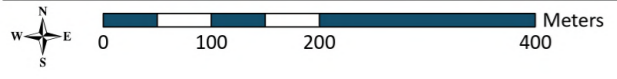
- Legend**
- Site Boundary
  - Access Tracks
  - Hardstanding
  - FL1 - Dystrophic lakes
  - FL2 - Acid oligotrophic lakes
  - FS1 - Reed and large sedge swamps
  - FW4 - Drainage ditches
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WS1 - Scrub
  - WS2 - Immature woodland
  - Habitat Outline
  - + Amenity Track
  - Turbine Locations

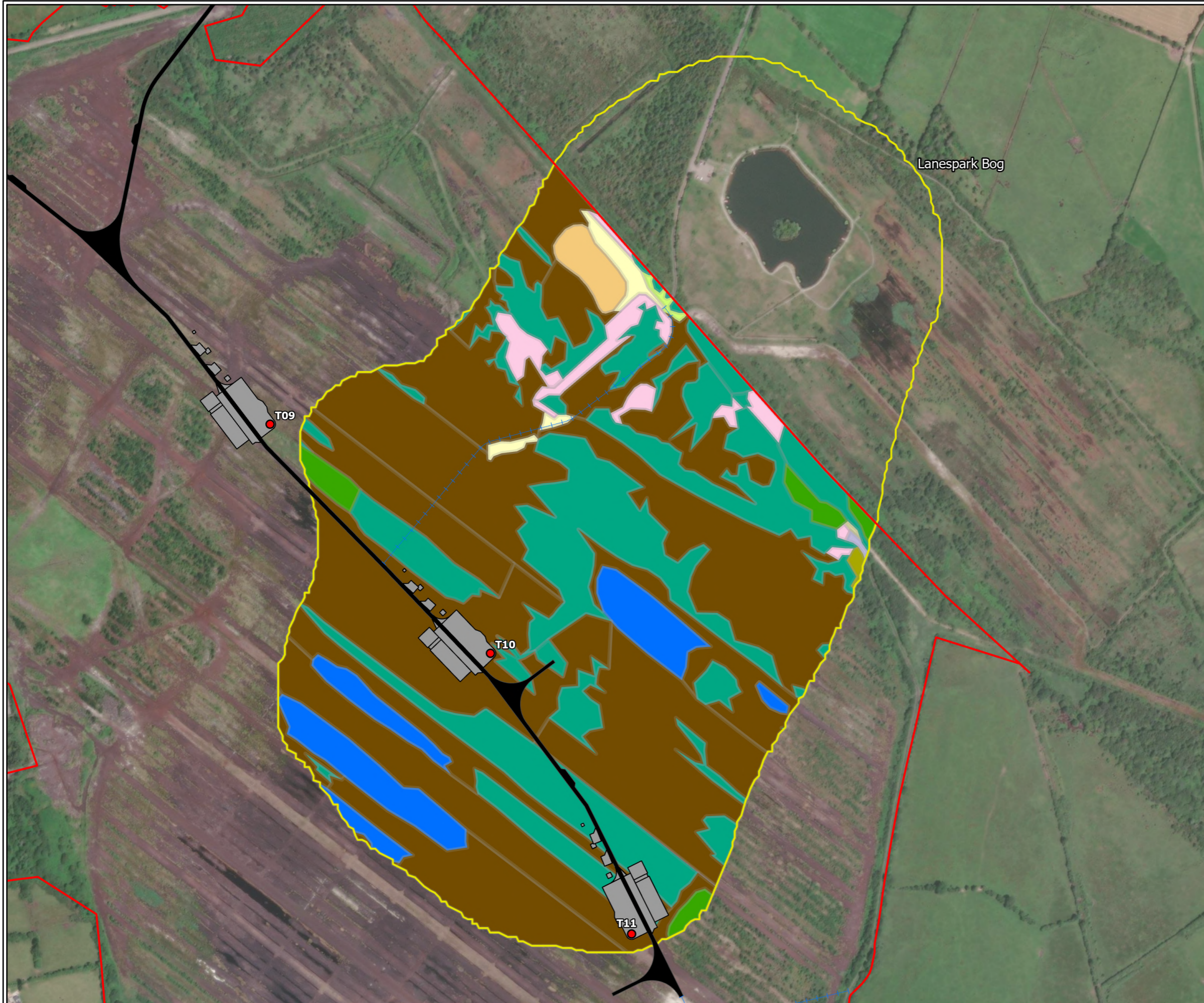
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Key Habitat Area 2: Bawnreagh Lakes	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	7.3
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b> 1:4,500	<b>REVISION:</b> 0
<b>DATE:</b> 18/03/2026	<b>PAGE SIZE:</b> A3



- Legend**
- Site Boundary
  - Access Tracks
  - Construction Compound
  - BL2 - Earth banks
  - FL1 - Dystrophic lakes
  - FW4 - Drainage ditches
  - HD1 - Dense bracken
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WL2 - Treelines
  - WS1 - Scrub
  - WS2 - Immature woodland
  - Habitat Outline
  - Amenity Track
  - ▲ Met Mast

<b>TITLE:</b>	
Key Habitat Area 3: Derryhogan Lakes	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	7.4
<b>CLIENT:</b>	Littleton Wind Farm DAC
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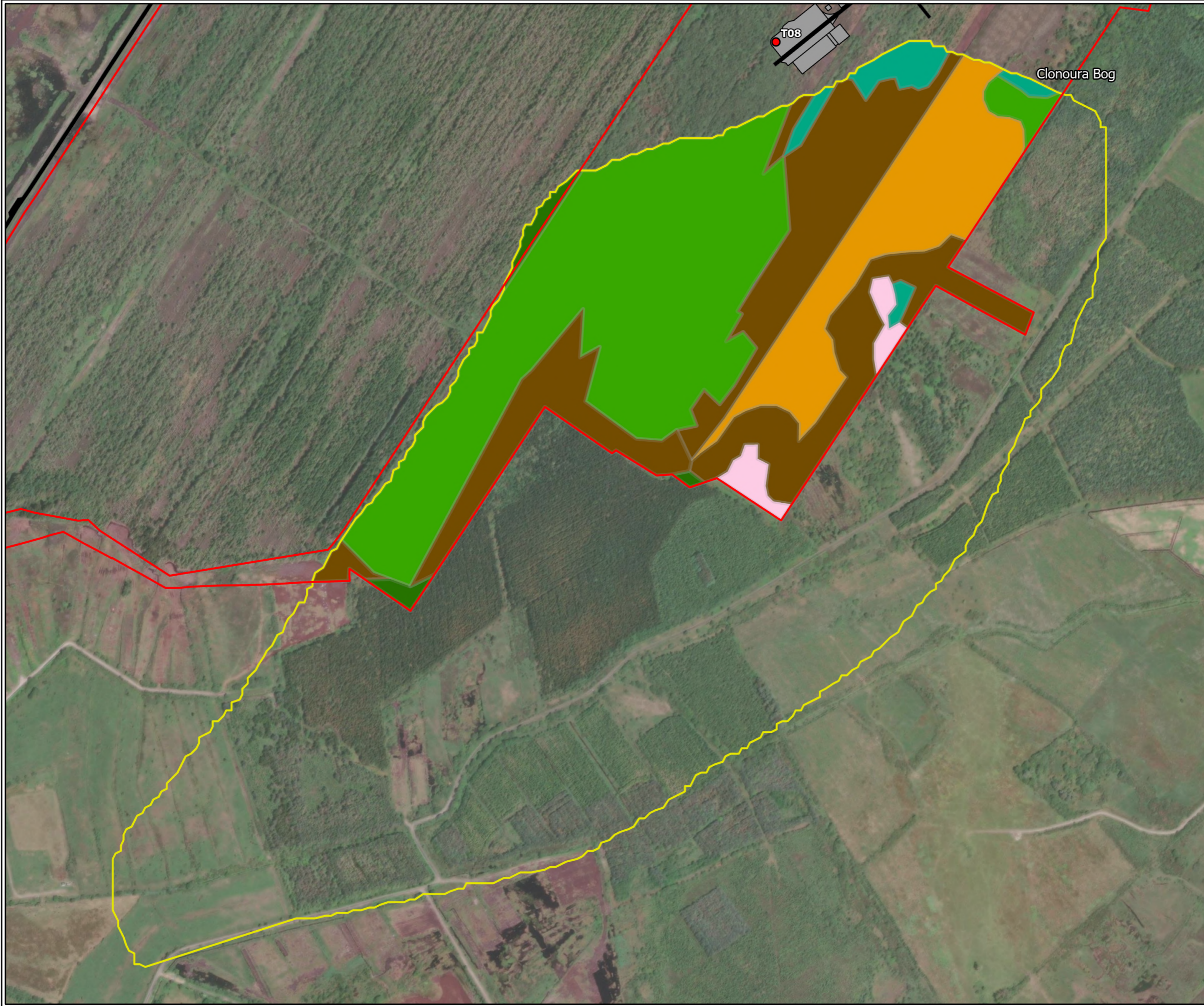




- Legend**
- Site Boundary
  - Access Tracks
  - Hardstanding
  - ED2 - Spoil and bare ground
  - ED3 - Recolonising bare ground
  - FL1 - Dystrophic lakes
  - FL8 - Other artificial lakes and ponds
  - GS1 - Dry calcareous and neutral grassland
  - GS2 - Dry meadows and grassy verges
  - HD1 - Dense bracken
  - PB4 - Cutover bog
  - WN7 - Bog woodland
  - WS1 - Scrub
  - WS2 - Immature woodland
  - Habitat Outline
  - Amenity Track
  - Turbine Locations

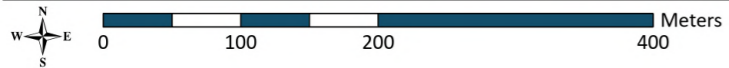
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Key Habitat Area 4: Lanespark Bog	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	7.5
<b>CLIENT:</b>	Littleton Wind Farm DAC
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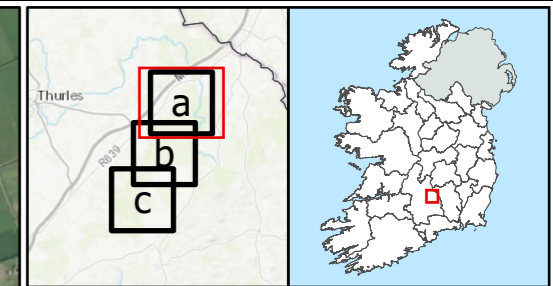
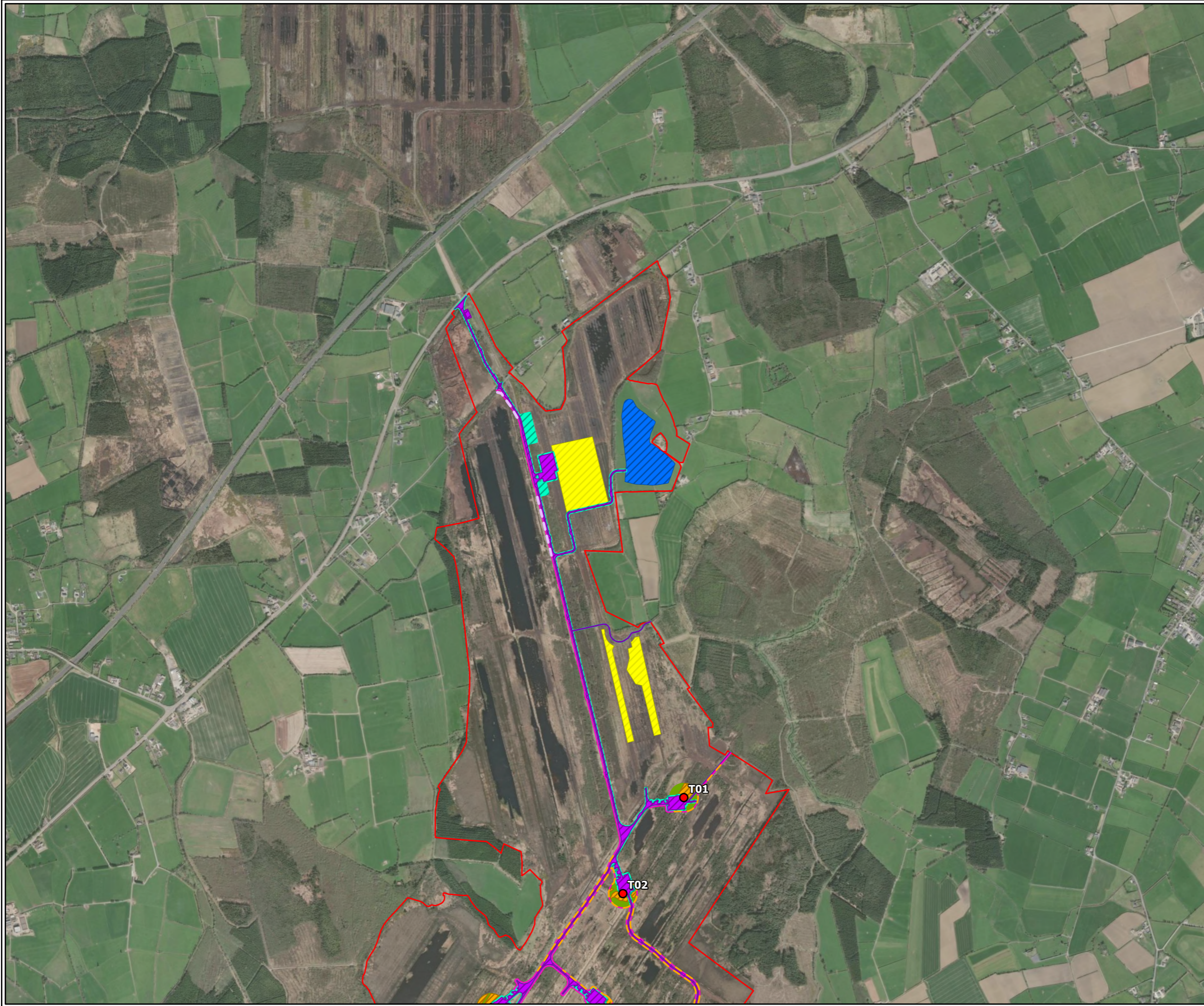




- Legend**
- Site Boundary
  - Access Tracks
  - Hardstanding
  - HD1 - Dense bracken
  - PB1 - Raised bog
  - PB4 - Cutover bog
  - WD4 - Conifer plantation
  - WS1 - Scrub
  - WS2 - Immature woodland
  - Habitat Outline
  - Turbine Locations

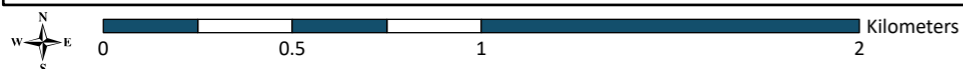
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Key Habitat Area 5: Clonoura Bog	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	7.6
<b>CLIENT:</b>	Littleton Wind Farm DAC
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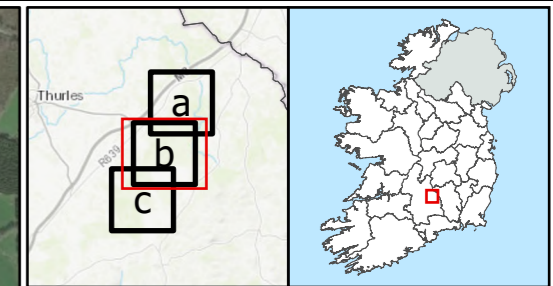
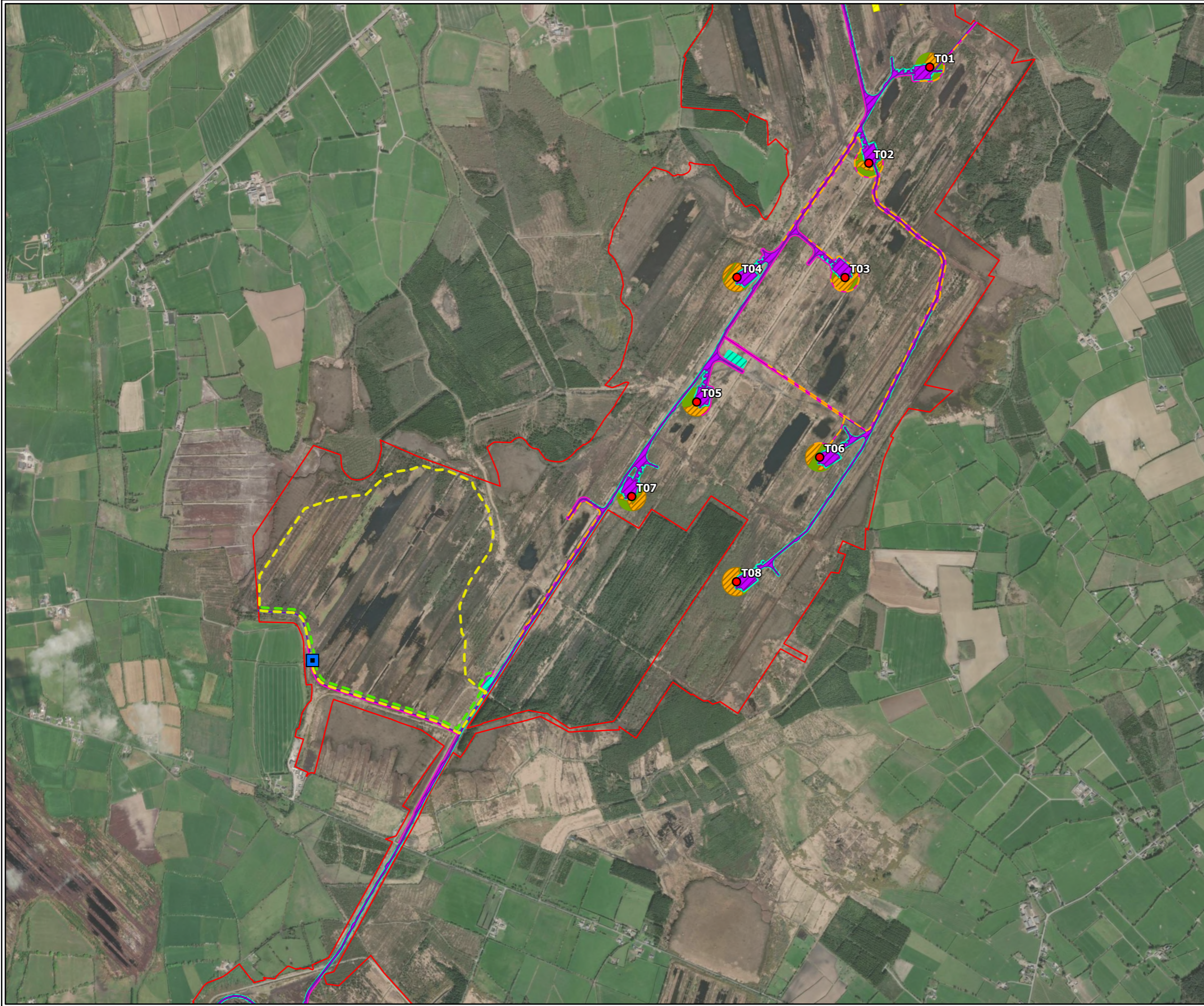




- Legend**
- Site Boundary
  - Infrastructure Permanent Footprint
  - Infrastructure Temporary Footprint
  - Bat Buffer Felling Footprint
  - Peat Deposition Area Footprint
  - Borrow Pit Footprint
  - Bat Felling Buffer
  - Mammal Fencing
  - Temporary Screening and Tree Planting
  - 2m Willow Screening
  - Turbine Locations

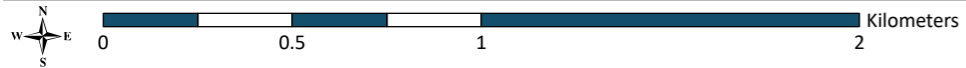
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<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	7.7.a		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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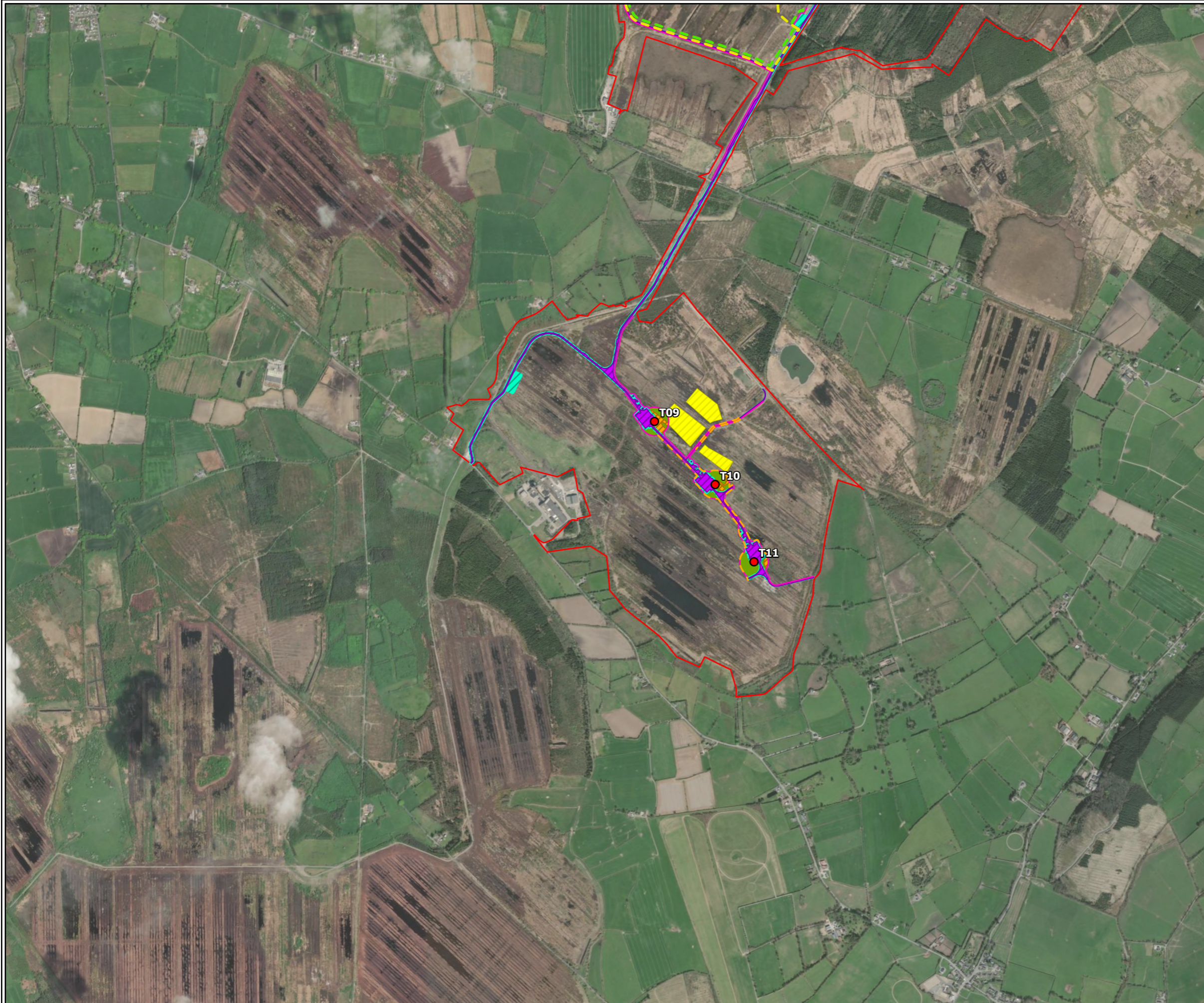




- Legend**
- Site Boundary
  - Infrastructure Permanent Footprint
  - Infrastructure Temporary Footprint
  - Bat Buffer Felling Footprint
  - Peat Deposition Area Footprint
  - Borrow Pit Footprint
  - Bat Felling Buffer
  - 2m Berm
  - Mammal Fencing
  - Predator-Mammal Fencing
  - 2m Willow Screening
  - Bird Hide
  - Turbine Locations

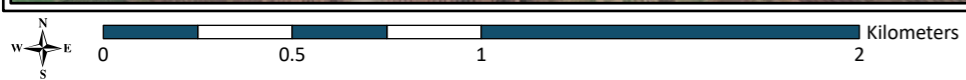
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Ornithological Screening Barriers	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	7.7.b
<b>CLIENT:</b>	Littleton Wind Farm DAC
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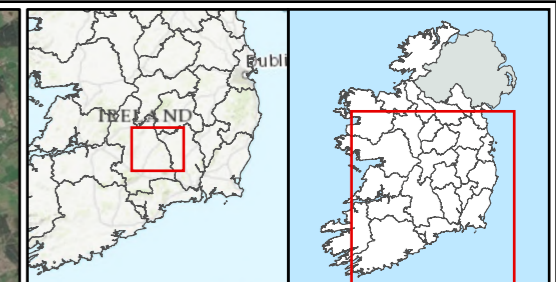
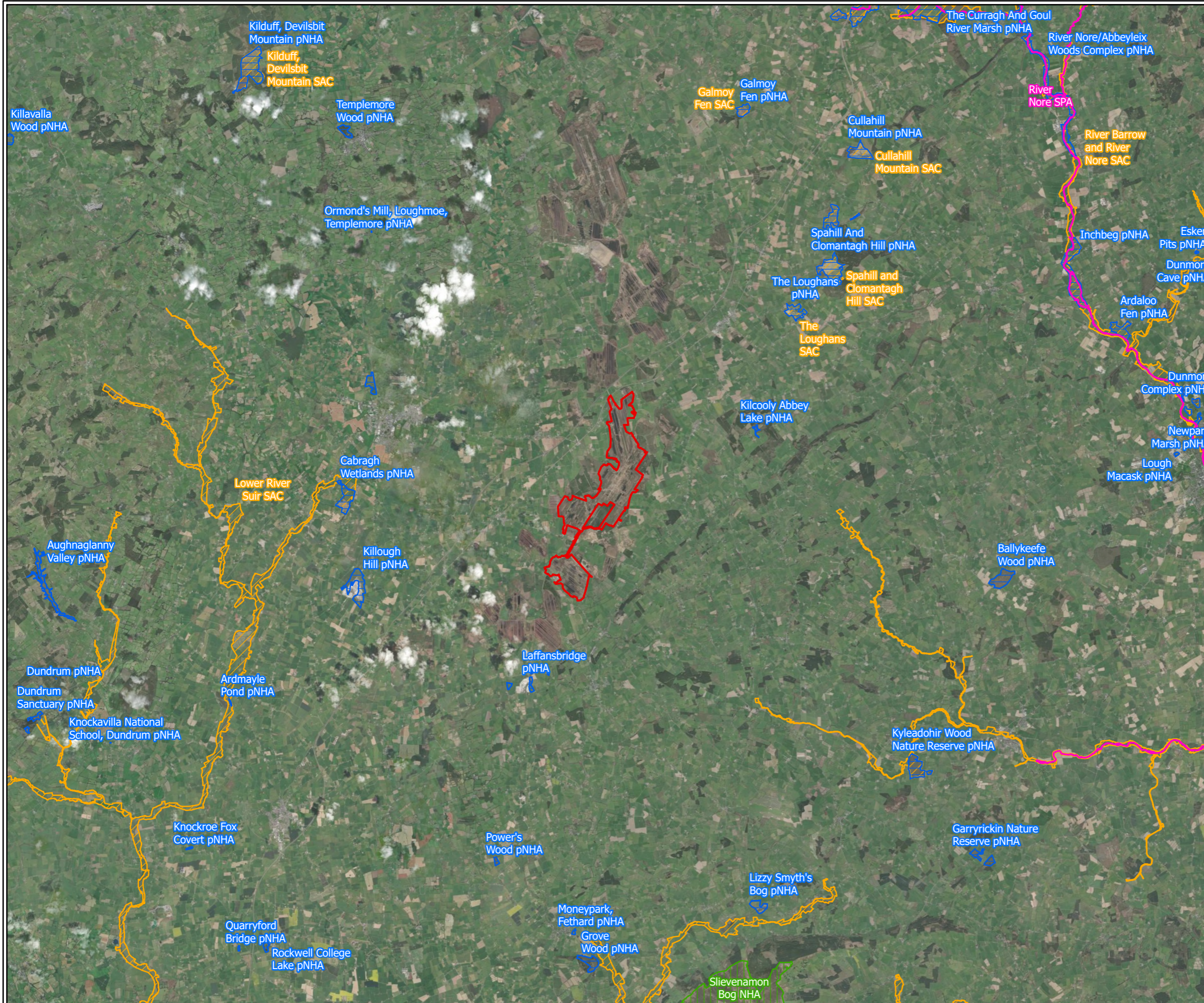




- Legend**
- Site Boundary
  - Infrastructure Permanent Footprint
  - Infrastructure Temporary Footprint
  - Bat Buffer Felling Footprint
  - Peat Deposition Area Footprint
  - Borrow Pit Footprint
  - Bat Felling Buffer
  - 2m Berm
  - Mammal Fencing
  - Predator-Mammal Fencing
  - 2m Willow Screening
  - Bird Hide
  - Turbine Locations

<b>TITLE:</b>	
Ornithological Screening Barriers	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b>	7.7.c
<b>CLIENT:</b>	Littleton Wind Farm DAC
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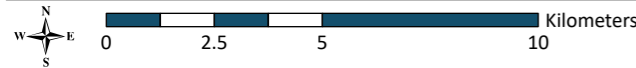


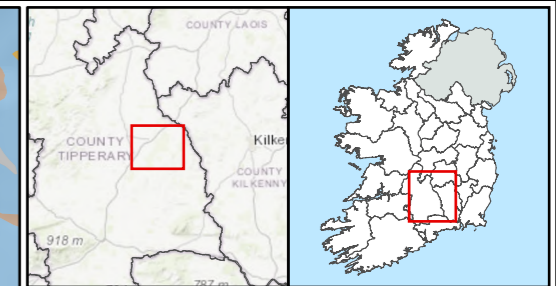
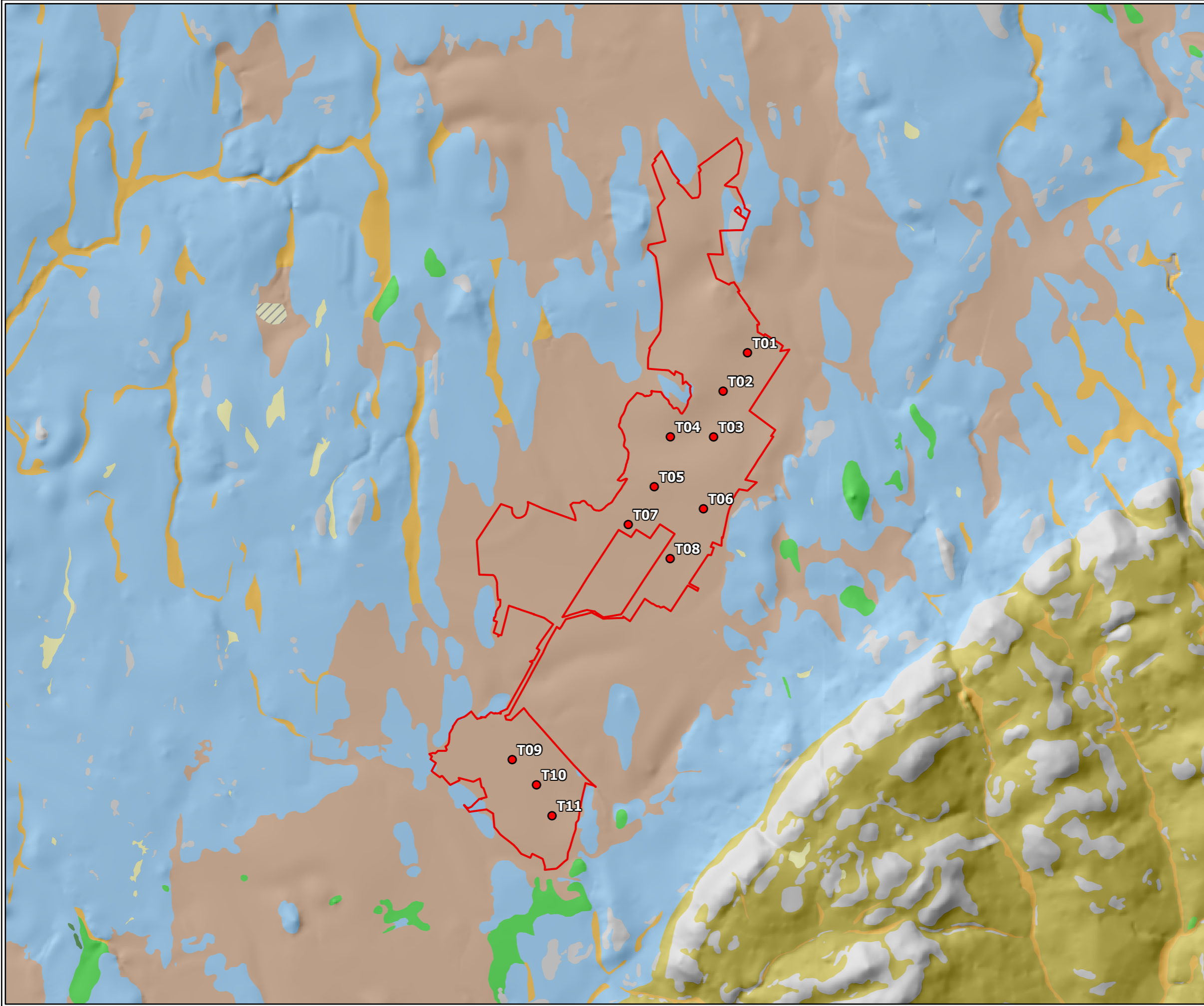
**Legend**

- Site Boundary
- Special Protection Areas
- Proposed Natural Heritage Areas
- Natural Heritage Areas
- Special Area of Conservation

<b>TITLE:</b>	Ecological Designation Area		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	8.1		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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**FEHILY TIMONEY** Cork | Dublin | Carlow [www.fehilytimoney.ie](http://www.fehilytimoney.ie)

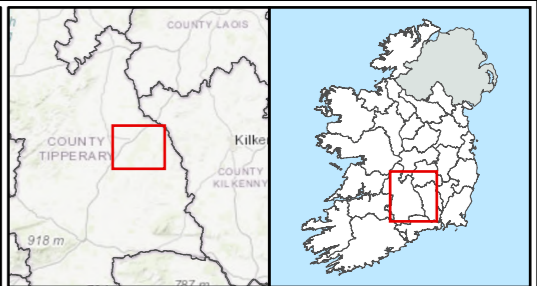
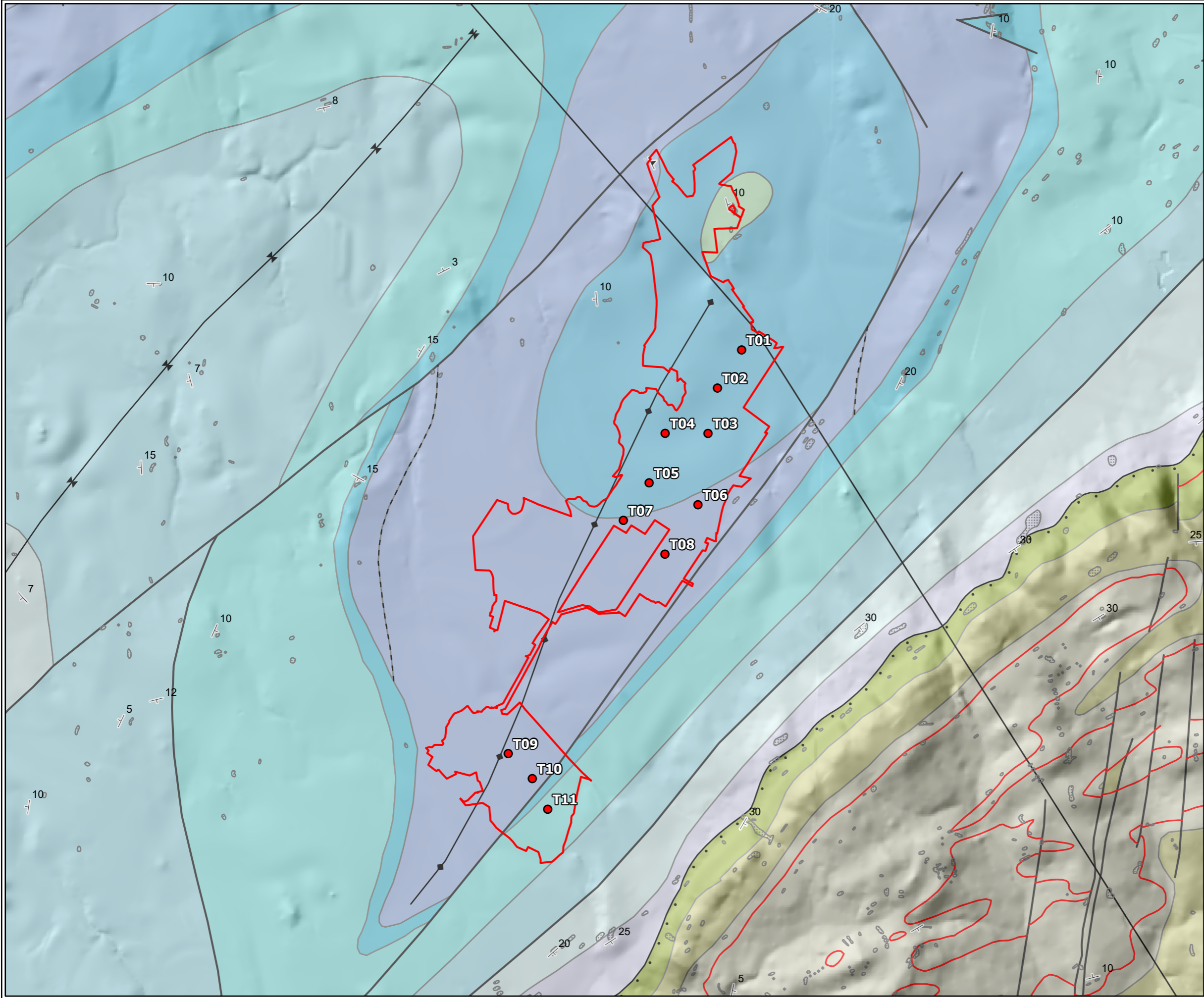




- Legend**
- Site Boundary
  - A, Alluvium
  - BasEsk, Eskers comprised of gravels of basic reaction
  - Cut, Cut over raised peat
  - FenPt, Fen Peat
  - GLs, Gravels derived from Limestones
  - GNSs, Gravels derived from Namurian sandstones and shales
  - L, Lacustrine sediments
  - Mrl, Lake marl
  - Rck, Bedrock outcrop or subcrop
  - TLs, Till derived from limestones
  - TNSSs, Till derived from Namurian sandstones and shales
  - Water
  - Turbine Location

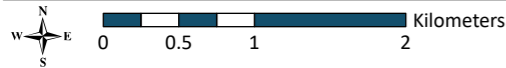
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<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	8.2		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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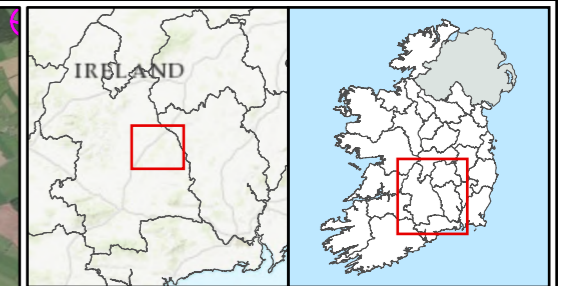
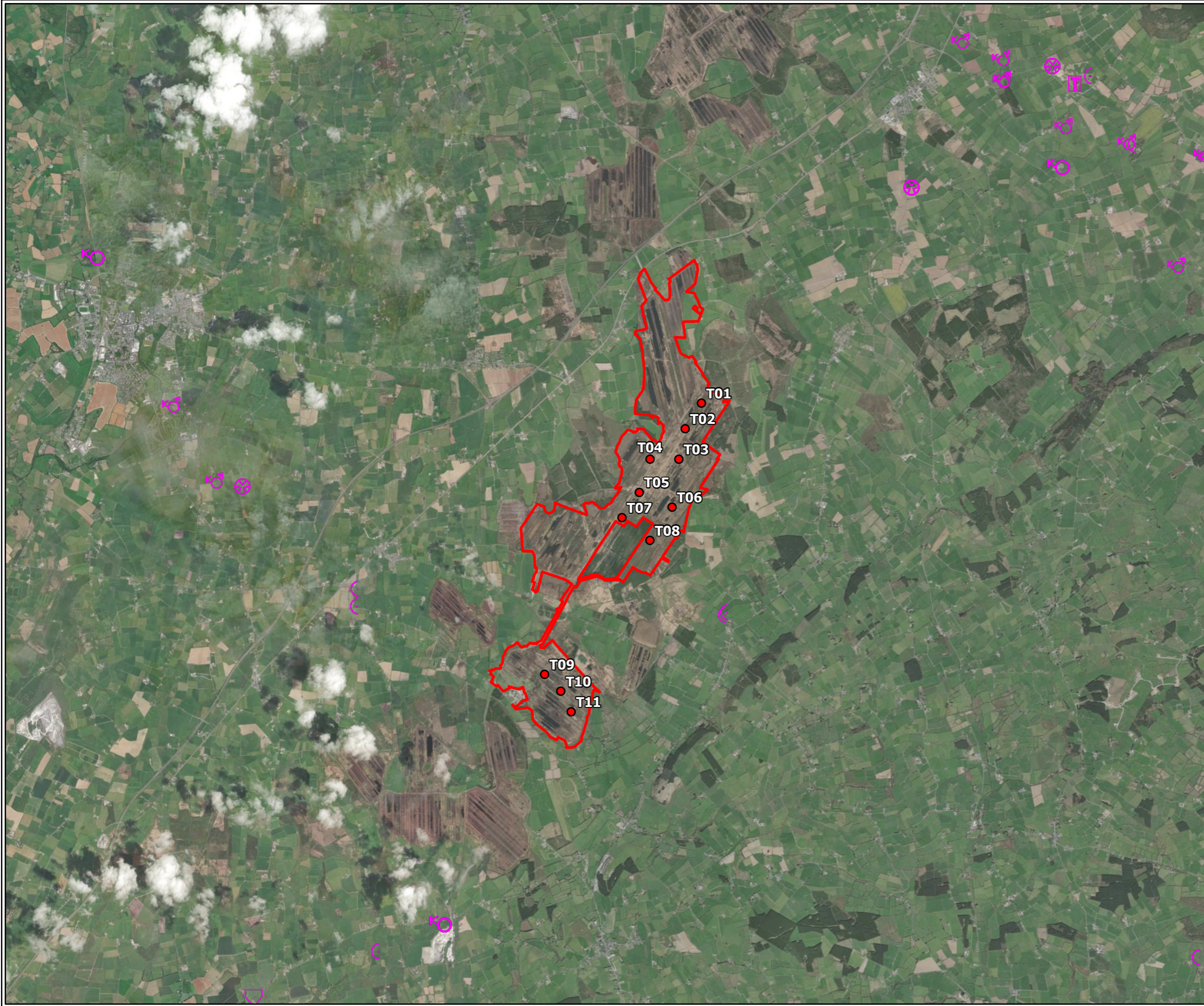













- Legend**
- Site Boundary
  - Aghmacart Formation
  - Ballyadams Formation
  - Ballysteen Formation
  - Lisduff Oolite Member
  - Clogrenan Formation
  - Crosspatrick Formation
  - Durrow Formation
  - Waulsortian Limestones
  - in Waulsortian Limestones
  - Bregaun Flagstone Formation
  - Killeshin Siltstone Formation
  - Lickfinn Coal Formation
  - Bedrock Outcrops
  - Strike and dip of bedding, way up unknown
  - Strike and dip of first foliation
  - Anticlinal Axis
  - Area
  - Fault
  - Synclinal Axis
  - Thin stratigraphical unit, diagrammatic
  - Unconformity, dots on younger side
  - X-Section
  - Turbine Location

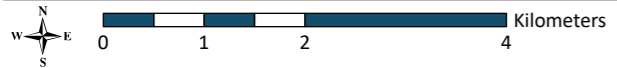
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<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO.:</b>	8.3	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
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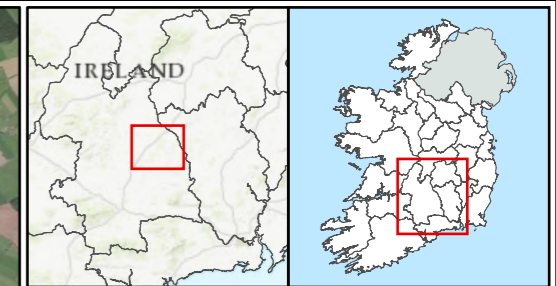
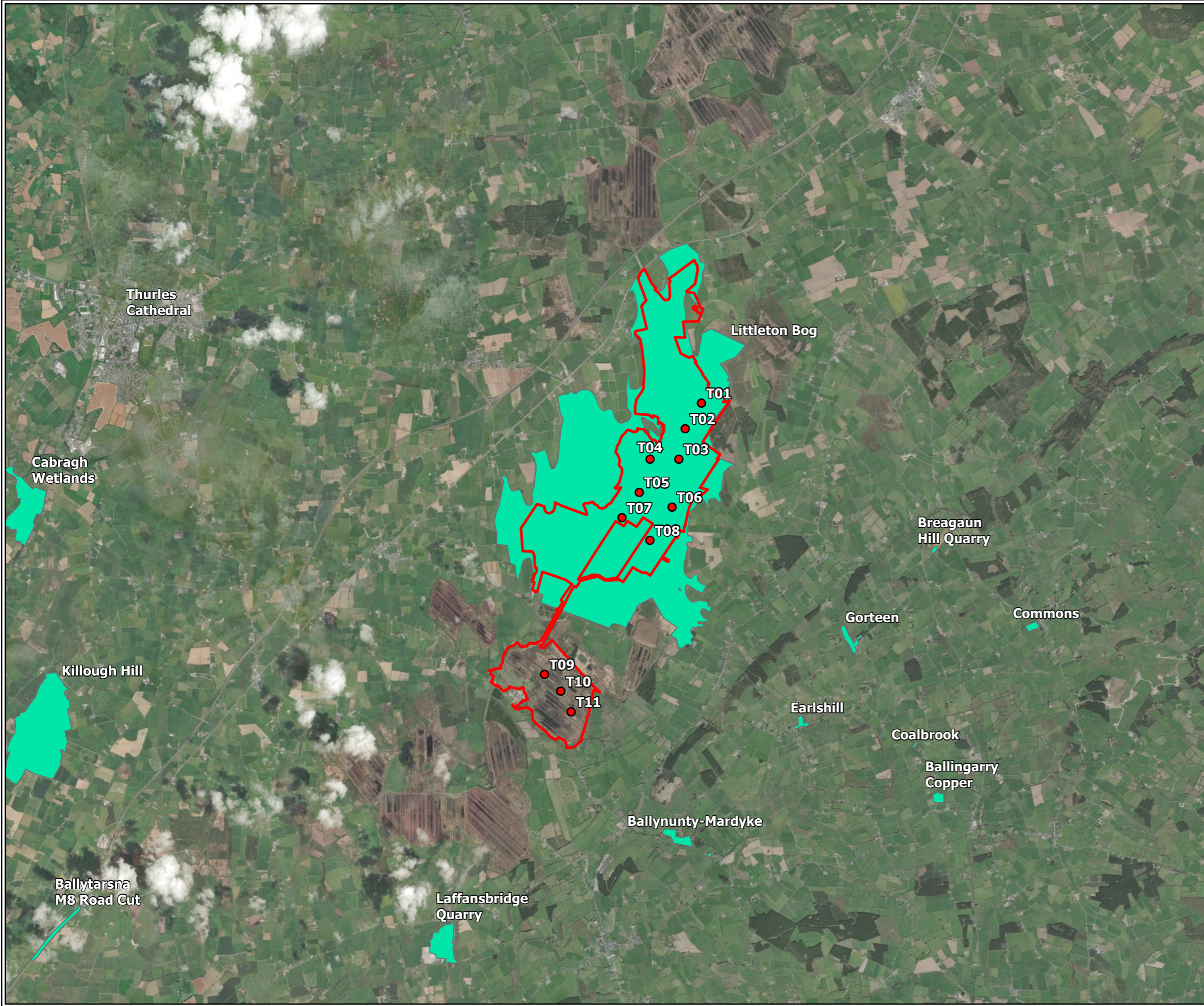




- Legend**
-  Site Boundary
  -  Borehole
  -  Cave
  -  Dry Valley
  -  Enclosed Depression
  -  Spring
  -  Swallow Hole
  -  Turlough
  -  Turbine Location

<b>TITLE:</b>	Karst Distribution		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO:</b>	8.4		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
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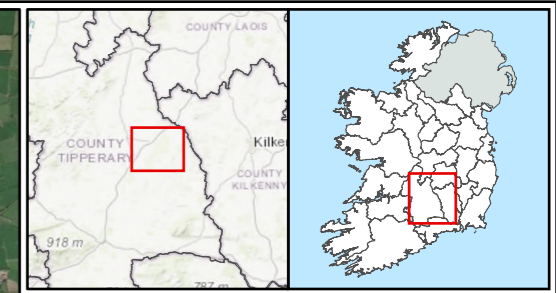
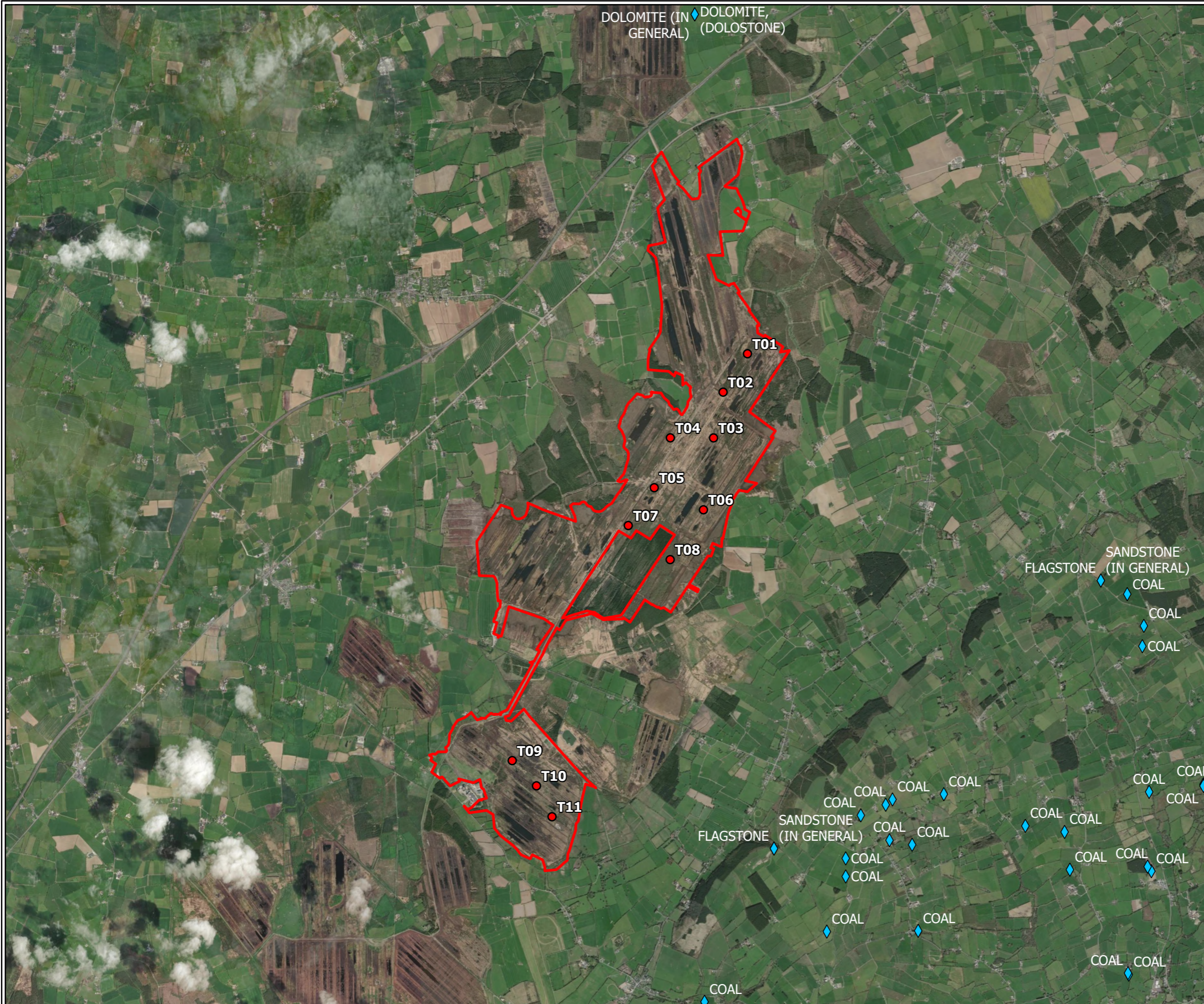




- Legend**
- Site Boundary
  - Geoheritage Audited Sites Ireland
  - Turbine Location

<b>TITLE:</b>	Geological Heritage	
<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO:</b>	8.5	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
<b>SCALE:</b>	1:75,000	<b>REVISION:</b> 0
<b>DATE:</b>	09/04/2026	<b>PAGE SIZE:</b> A3





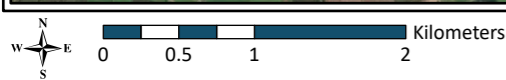
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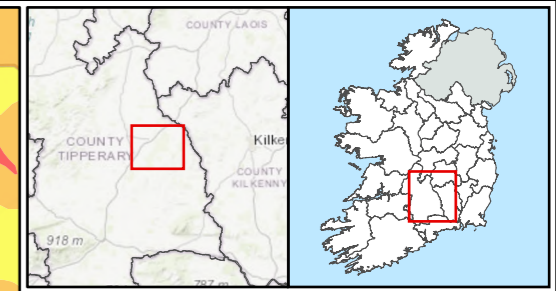
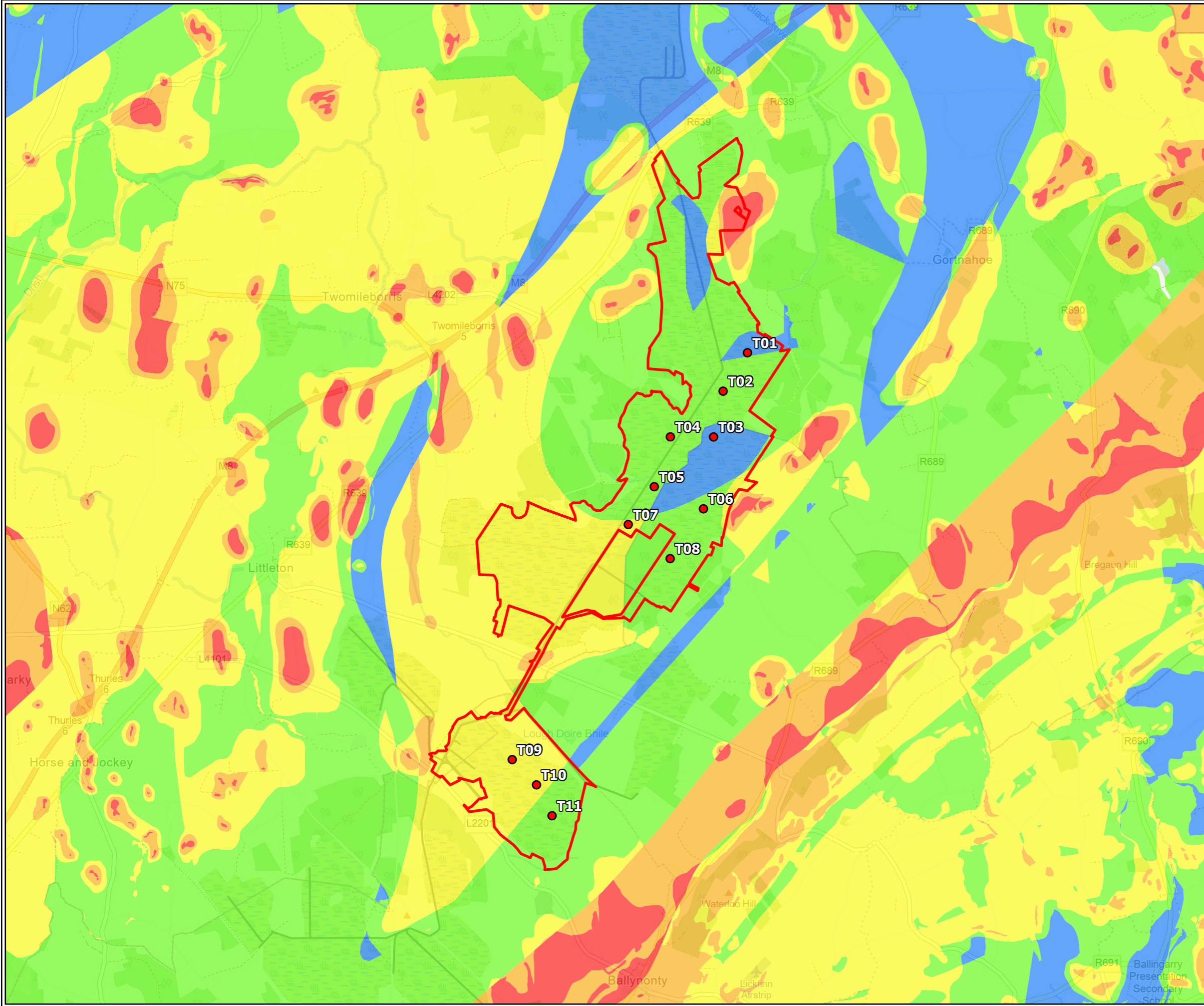
Site Boundary

**Mineral Localities**

- ◆ Non-metallic
- Turbine Location

<b>TITLE:</b>	Economic Geology	
<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO.:</b>	8.6	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
<b>SCALE:</b>	1:50,000	<b>REVISION:</b> 0
<b>DATE:</b>	09/04/2026	<b>PAGE SIZE:</b> A3





**Legend**

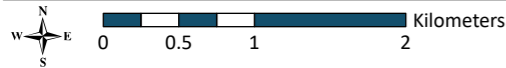
- Site Boundary

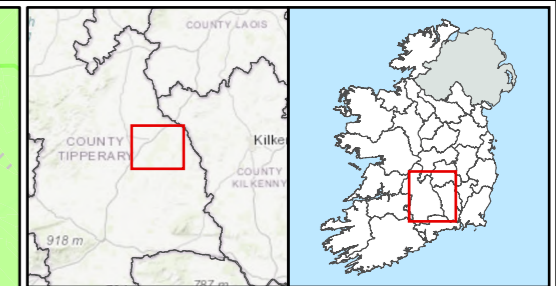
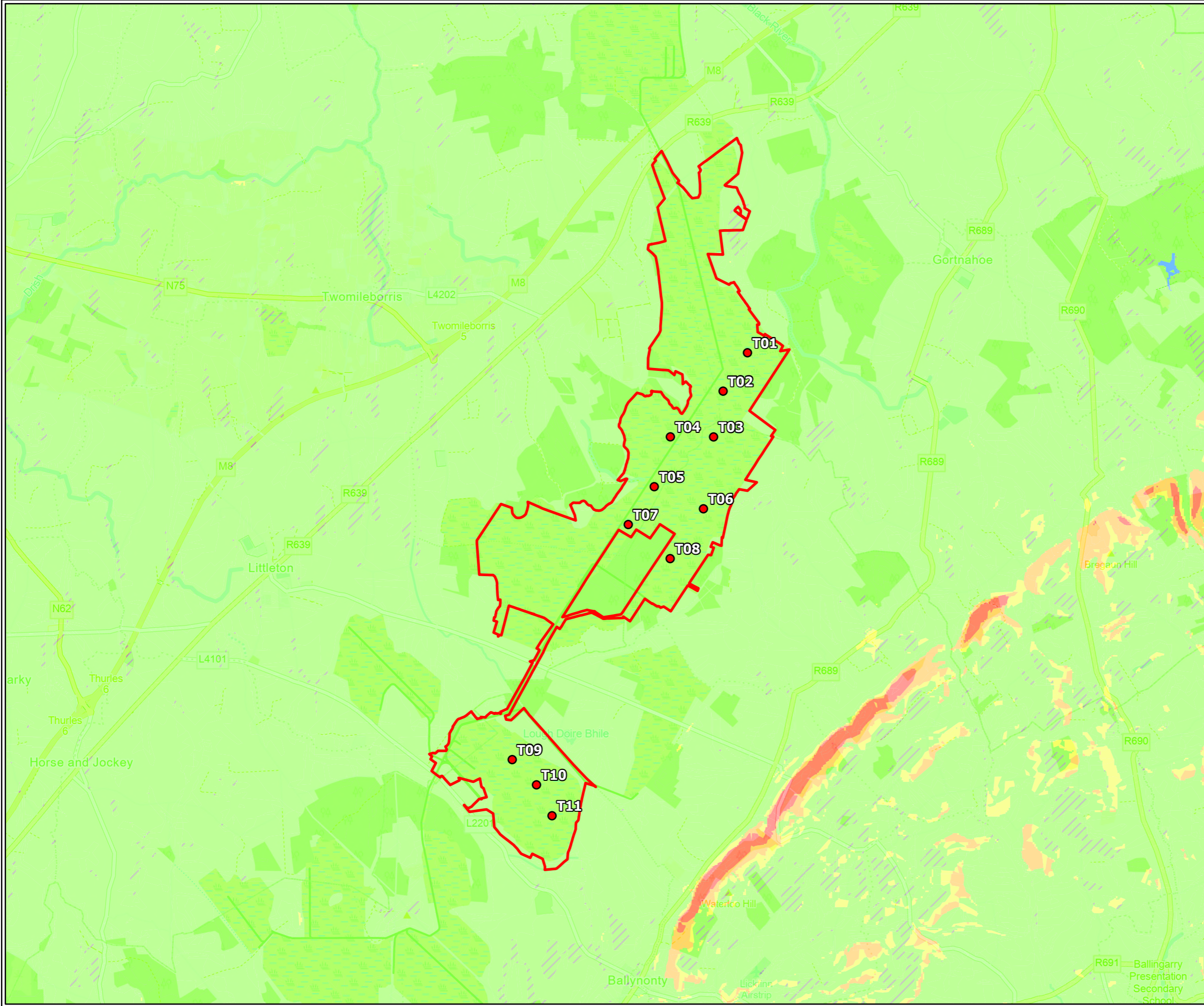
**Crushed Rock Aggregate Potential**

- Very High potential
- High potential
- Moderate potential
- Low potential
- Very Low potential
- Turbine Location

<b>TITLE:</b>	
Crushed Rock Aggregate Potential	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b> 8.7	
<b>CLIENT:</b> Littleton Wind Farm DAC	
<b>SCALE:</b> 1:50,000	<b>REVISION:</b> 0
<b>DATE:</b> 09/04/2026	<b>PAGE SIZE:</b> A3

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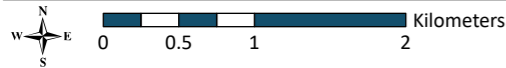
**Legend**

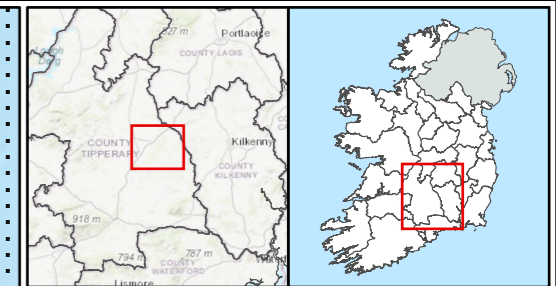
- Site Boundary

**GSI Landslide Susceptibility Classification**

- Low (inferred)
- Low
- Moderately Low
- Moderately High
- High
- Water
- Turbine Location

<b>TITLE:</b>	Landslide Susceptibility	
<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO.:</b>	8.8	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
<b>SCALE:</b>	1:50,000	<b>REVISION:</b> 0
<b>DATE:</b>	09/04/2026	<b>PAGE SIZE:</b> A3





**Legend**

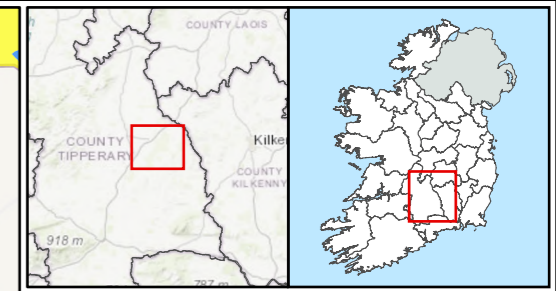
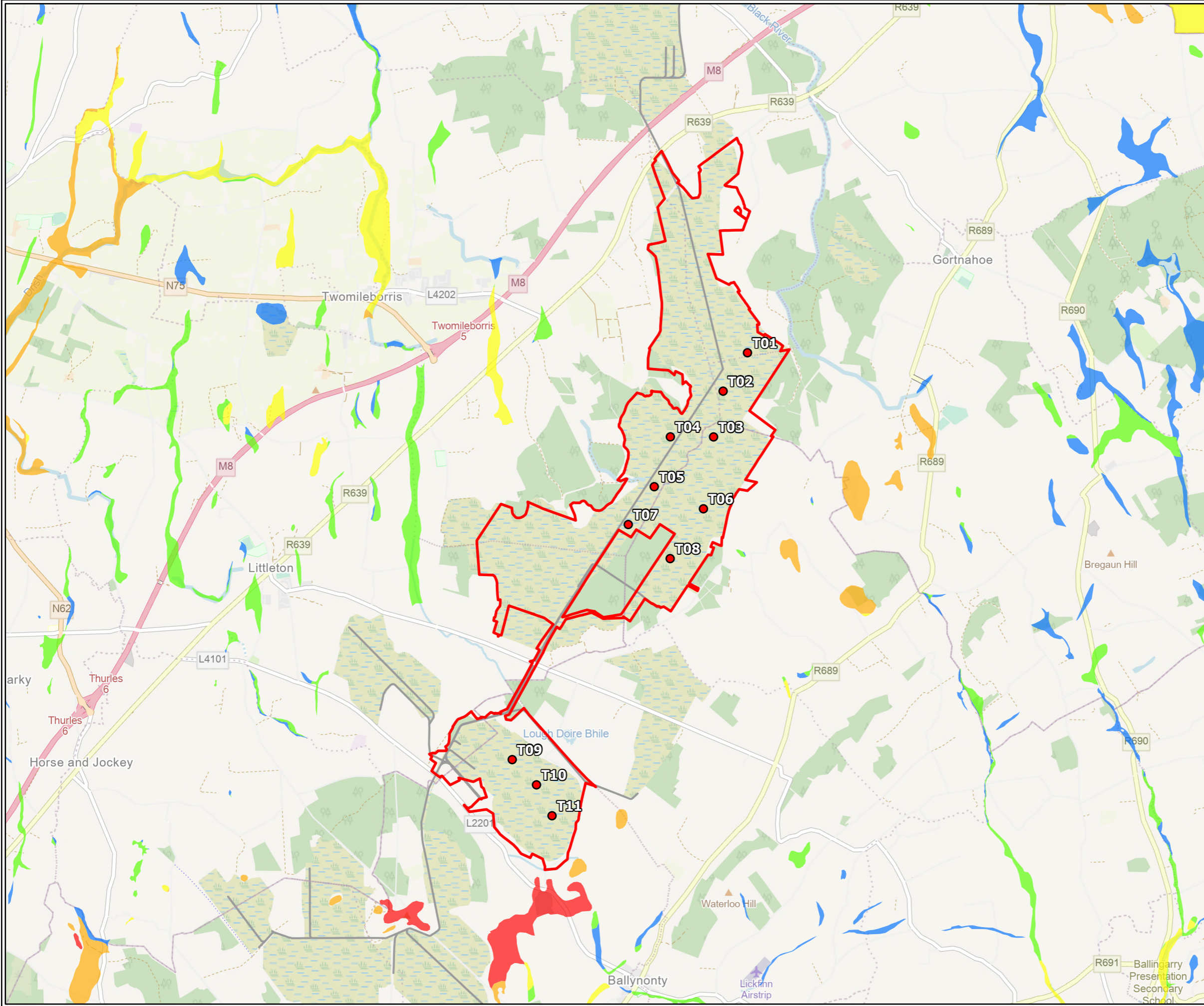
- Site Boundary

**Physiographic Units Level 2**

- Bog plain
- Flat to gently undulating ice-moulded topography
- Mountain plateau
- Mountain rounded
- Bog plain
- Flat to gently undulating ice-moulded topography
- Mountain plateau
- Mountain rounded
- DTM 1m contours
- Turbine Location

<b>TITLE:</b> Physiographic Mapping with DTM Contours	
<b>PROJECT:</b> Littleton Wind Farm	
<b>FIGURE NO:</b>	8.9
<b>CLIENT:</b>	Littleton Wind Farm DAC
<b>SCALE:</b>	1:65,000
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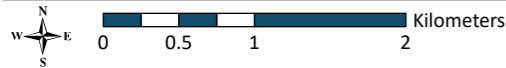
**Legend**

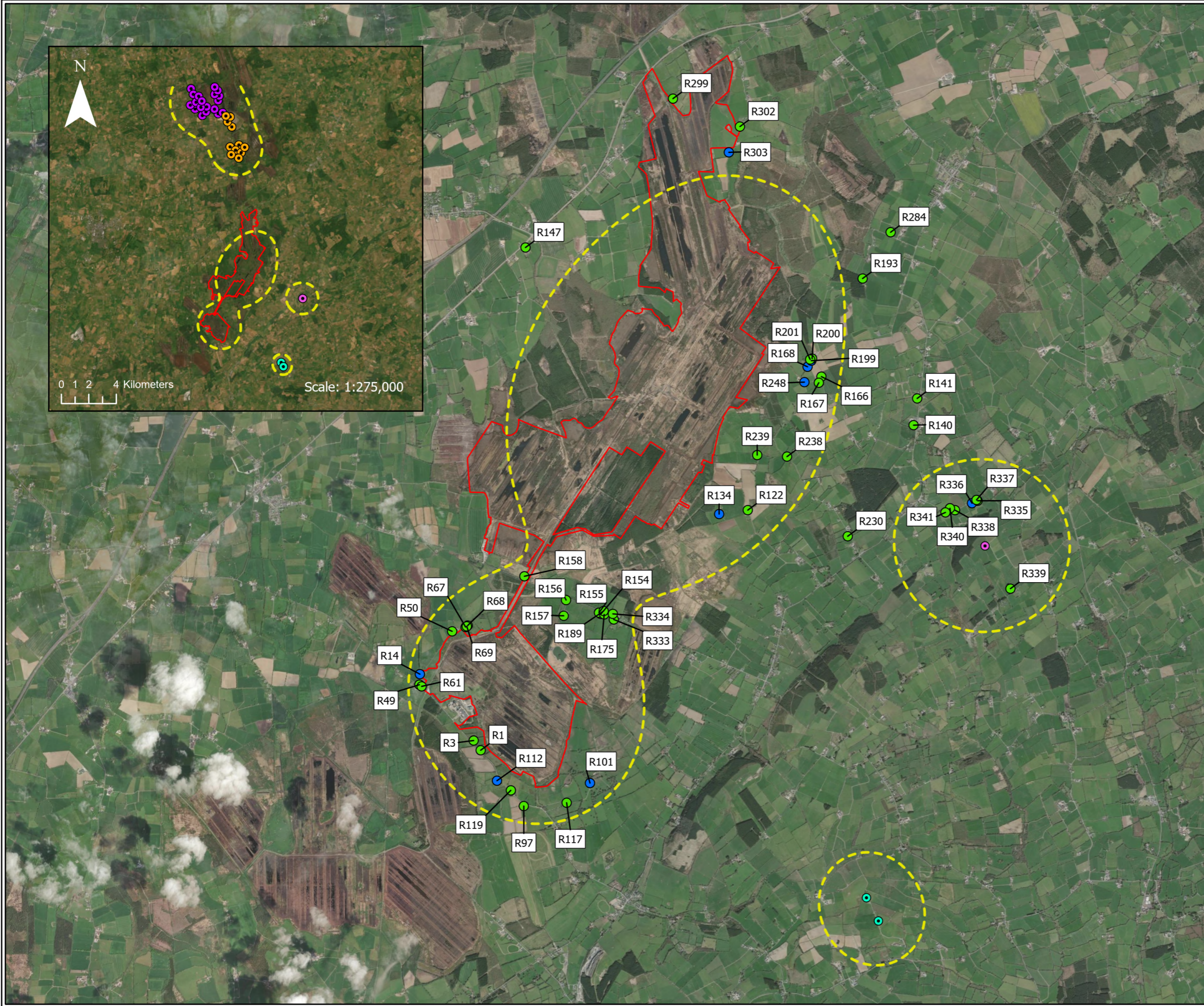
- Site Boundary

**GSI Granular Aggregate Potential**

- Very High potential
- High potential
- Moderate potential
- Low potential
- Very Low potential
- Turbine Location

<b>TITLE:</b>	
Granular Aggregate Potential	
<b>PROJECT:</b>	
Littleton Wind Farm	
<b>FIGURE NO:</b> 8.10	
<b>CLIENT:</b> Littleton Wind Farm DAC	
<b>SCALE:</b> 1:50,000	<b>REVISION:</b> 0
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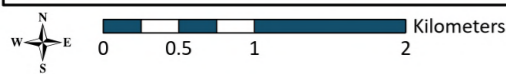
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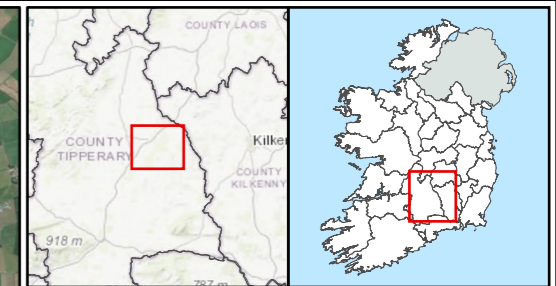
- Site Boundary
- 35dB Study Area
- Ballincurry Wind Farm
- Gaignaman Turbine
- Lisheen 1 Wind Farm
- Lisheen 2 Wind Farm

**Building Use**

- Mixed-Use
- Residential

<b>TITLE:</b>	Noise Sensitive Locations within the Study Area		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	11.1		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:50,000	<b>REVISION:</b>	0
<b>DATE:</b>	02/04/2026	<b>PAGE SIZE:</b>	A3





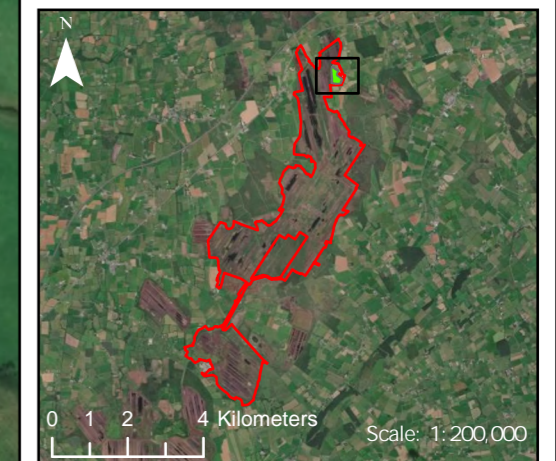
- Legend**
- Site Boundary
  - ▲ Noise Monitoring Locations

TITLE:	Noise Monitoring Locations		
PROJECT:	Lit leton Wind Farm		
FIGURE NO.:	11.2		
CLIENT:	Lit leton Wind Farm DAC		
SCALE:	1:50,000	REVISION:	0
DATE:	05/03/2026	PAGE SIZE:	A3

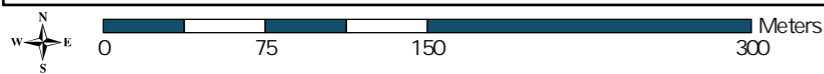


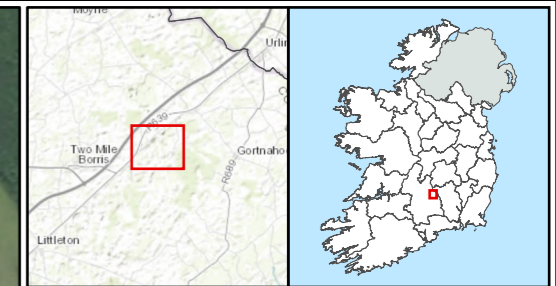


- Legend**
- Site Boundary
  - Noise Barrier
  - Borrow Pit
- Building Use**
- Residential
  - Mixed-Use

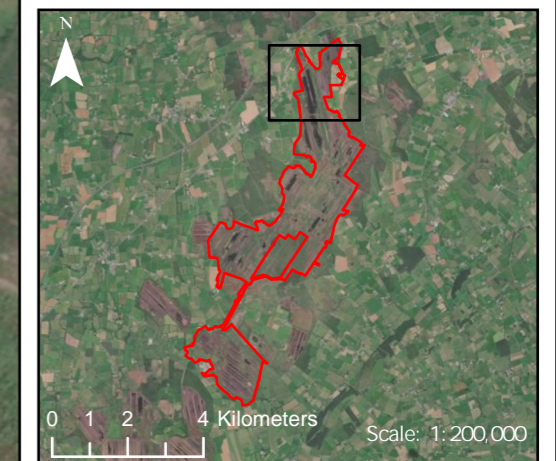


TITLE:		Borrow Pit Noise Barriers	
PROJECT:		Lit leton Wind Farm	
FIGURE NO:		11.3	
CLIENT:		Lit leton Wind Farm DAC	
SCALE:	1:3,500	REVISION:	0
DATE:	05/03/2026	PAGE SIZE:	A3

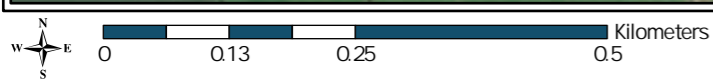


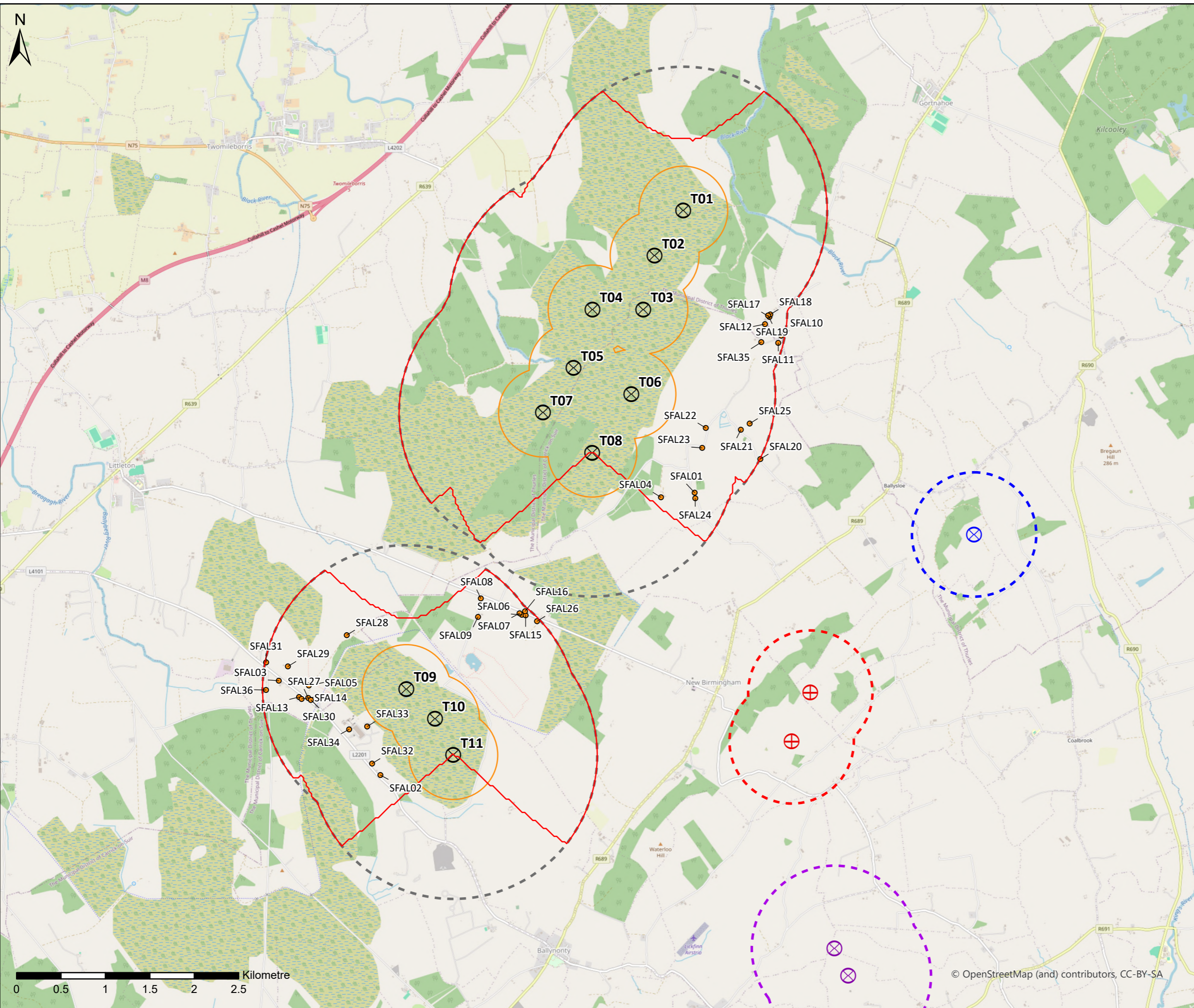


- Legend**
- Site Boundary
  - Substation Compound
  - ▲ Noise Monitoring Locations
- Building Use**
- Commercial
  - Residential
  - Mixed-Use



TITLE: Substation Noise Sensitive Locations	
PROJECT: Litleton Wind Farm	
FIGURE NO:	11.4
CLIENT:	Litleton Wind Farm DAC
SCALE:	1:7,500
REVISION:	0
DATE:	05/03/2026
PAGE SIZE:	A3

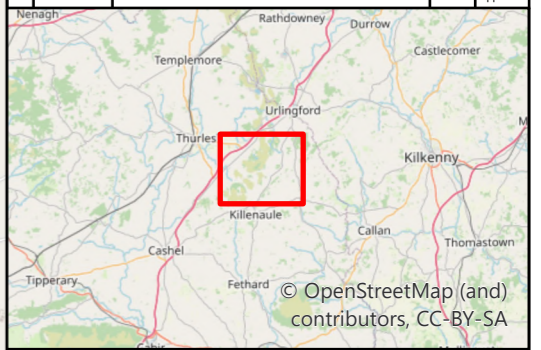




**LEGEND**

- Littleton Proposed Wind Turbines
  - Shadow Flicker Assessment Locations (SFALs)
  - 10 Rotor Diameters from Proposed Turbines
  - Study Area (Shadow Cast Area up to 10 Rotor Diameters from Proposed Turbines)
  - 500m from Proposed Turbines (WEDG 2006)
- Cumulative Wind Farms**
- Balincurry Wind Farm
  - Glengoose Wind Farm
  - Graigaman Wind Farm
  - Balincurry Wind Farm 10 Rotor Diameter Buffer
  - Glengoose Wind Farm 10 Rotor Diameter Buffer
  - Graigaman Wind Farm 10 Rotor Diameter Buffer

0	21/11/2025	FIRST ISSUE	FL	MT
Rev.	Date	Amendment Details	Drawn	Approved



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Client:			
Drawing Status:	FOR PLANNING		
Project Title:	LITTLETON WIND FARM		
Drawing Title:	FIGURE 12-1: SHADOW FLICKER STUDY AREA AND RECEPTORS		
Scale:	1:40,000	Original Size:	A3
Drawing Number:	IE00402-002		

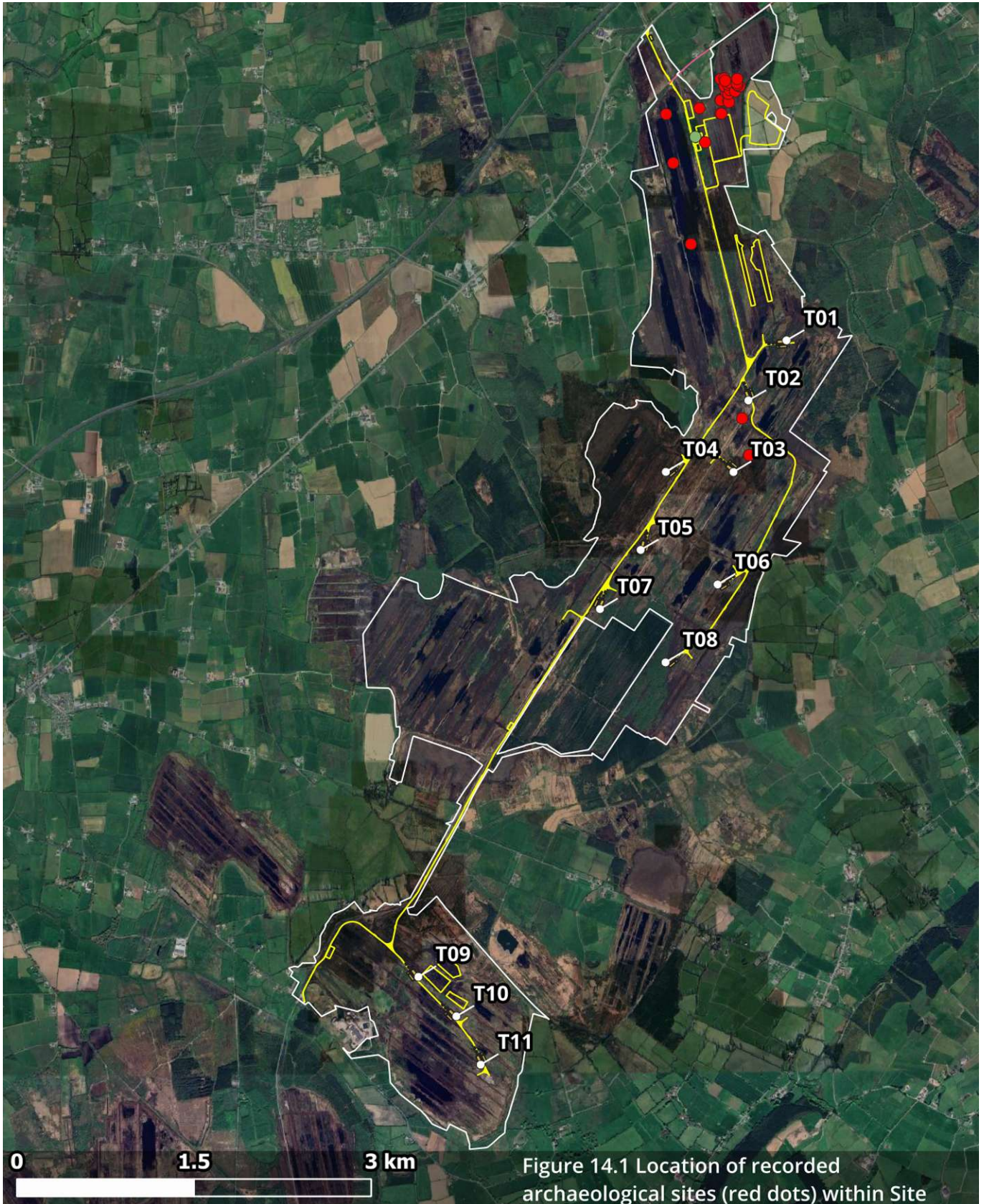
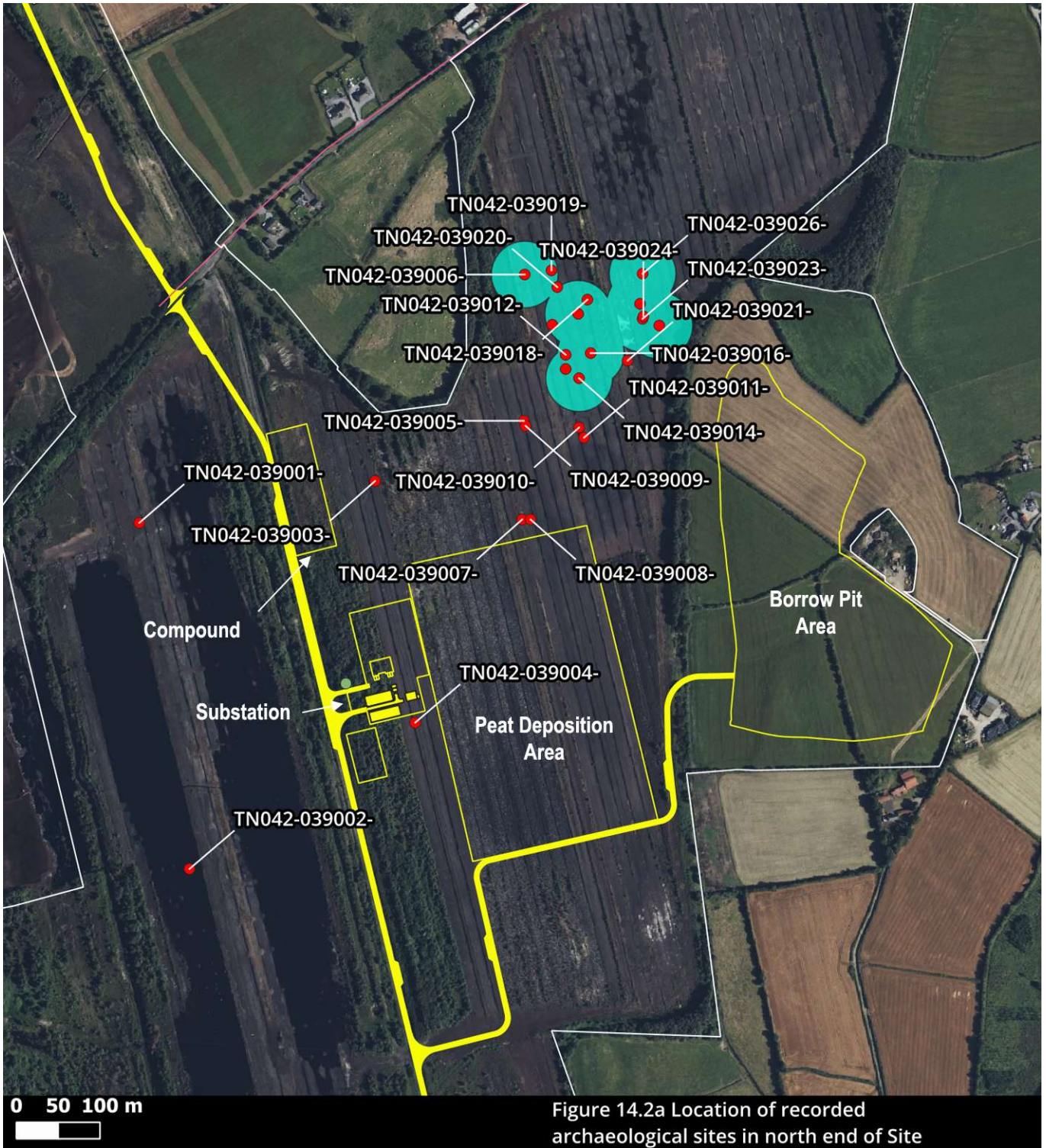


Figure 14.1 Location of recorded archaeological sites (red dots) within Site



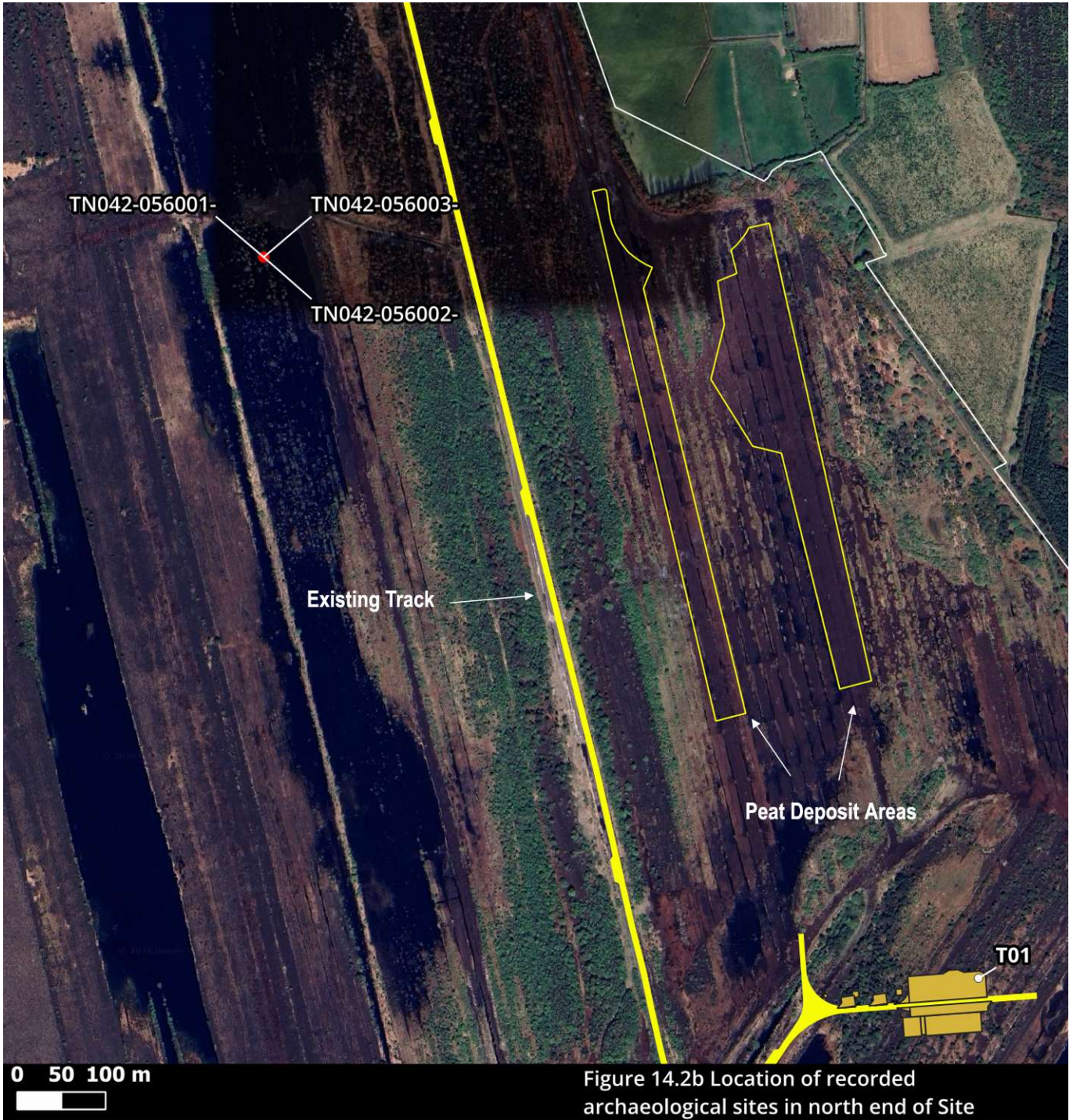
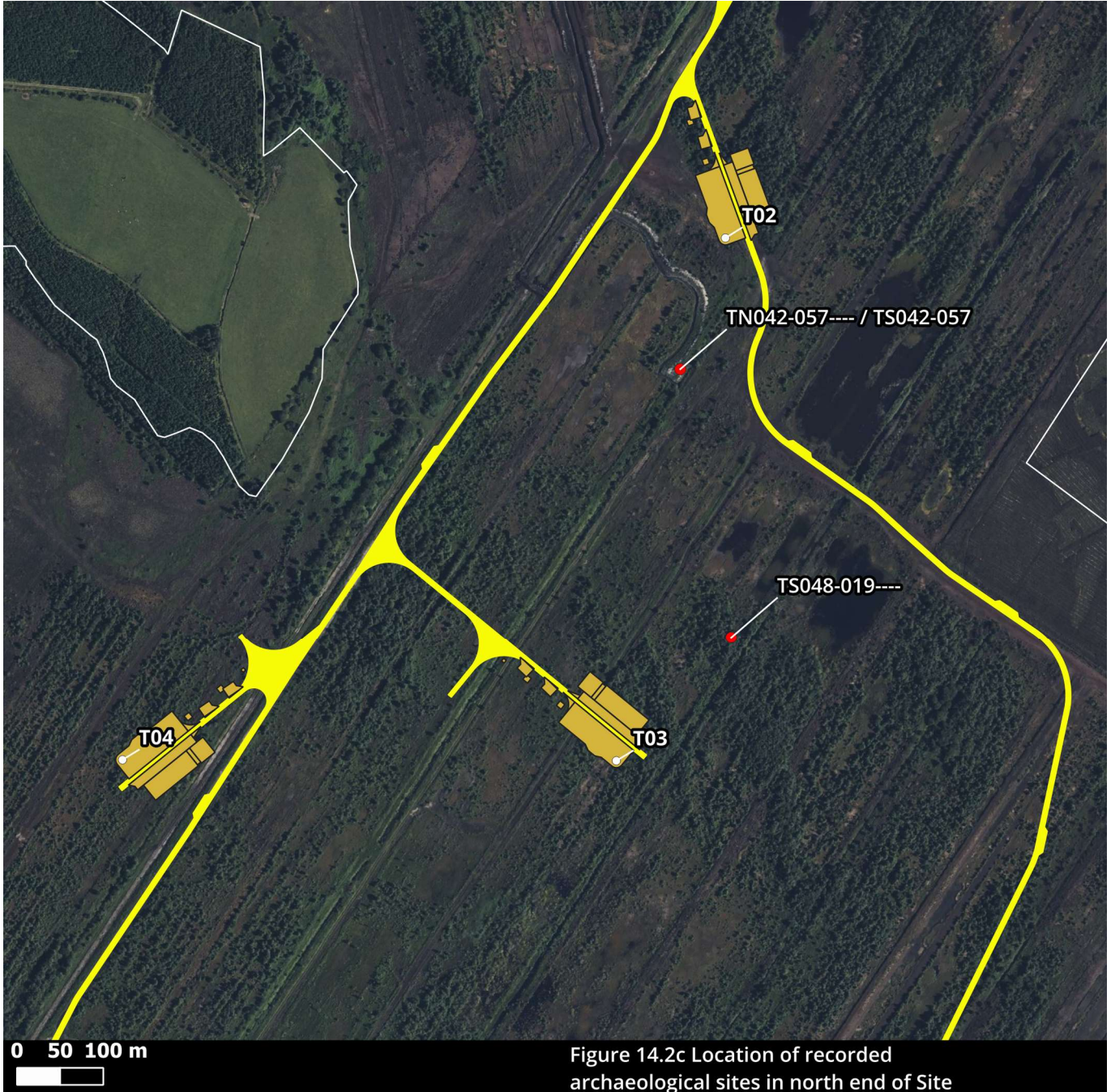
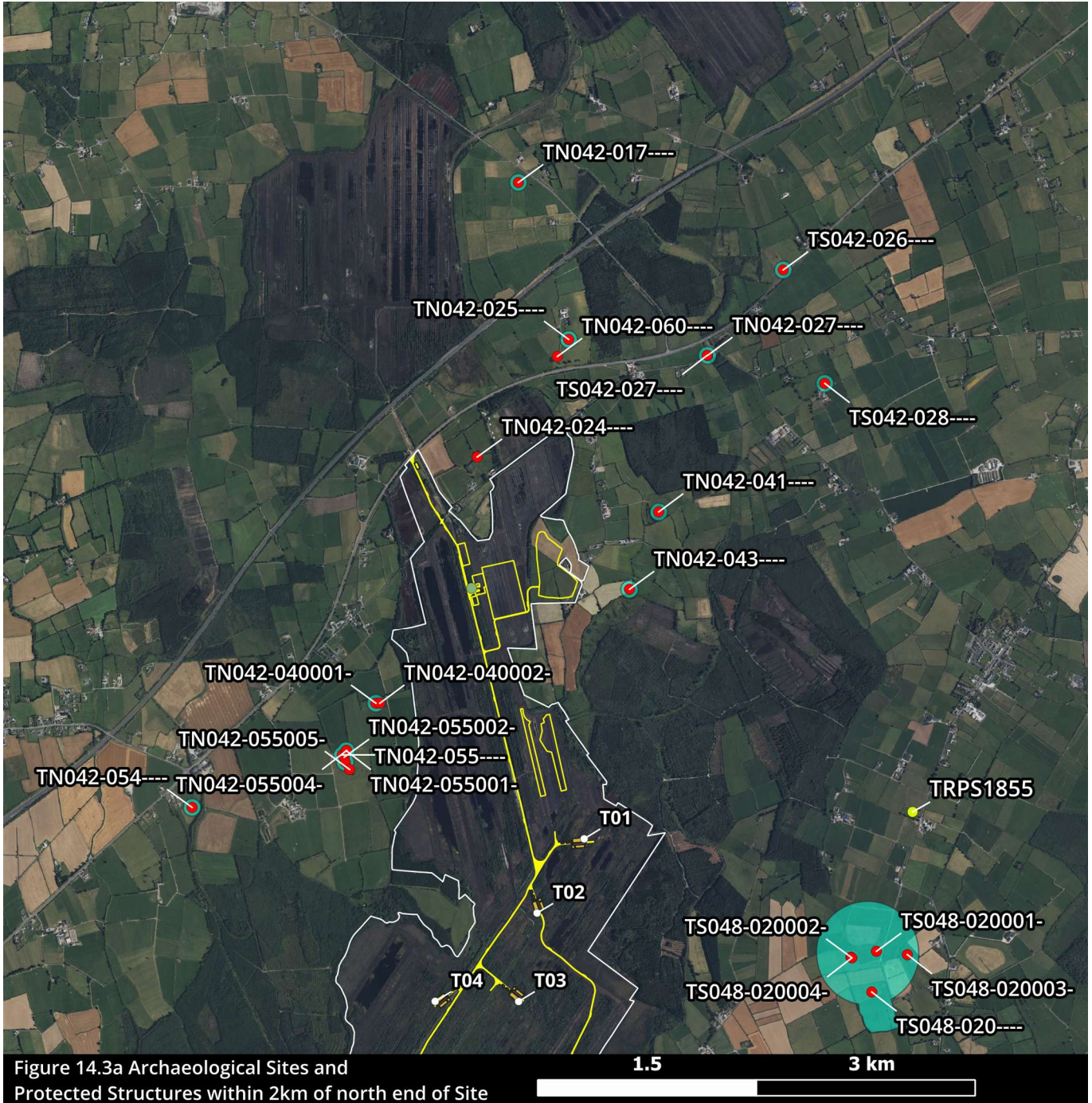
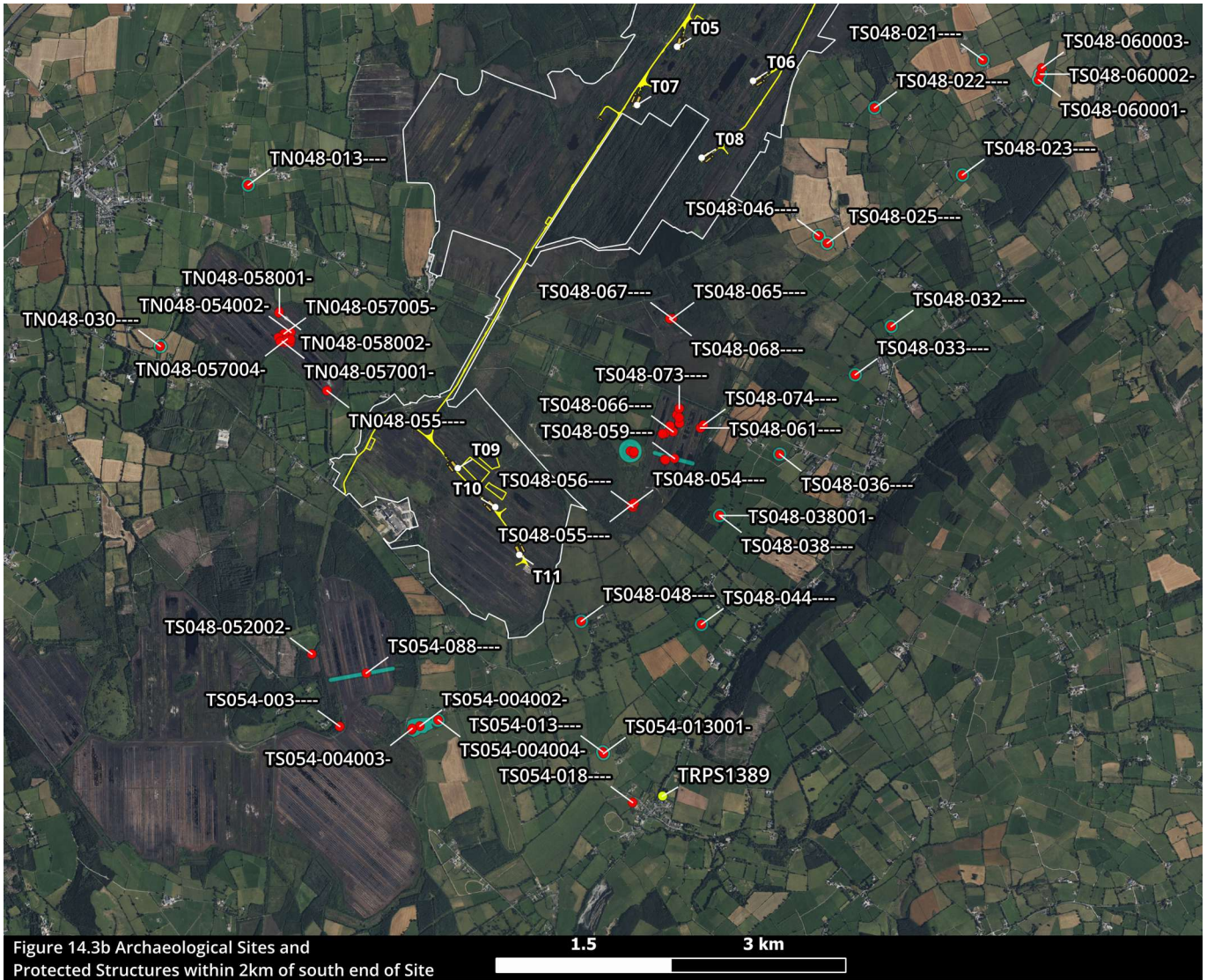


Figure 14.2b Location of recorded archaeological sites in north end of Site







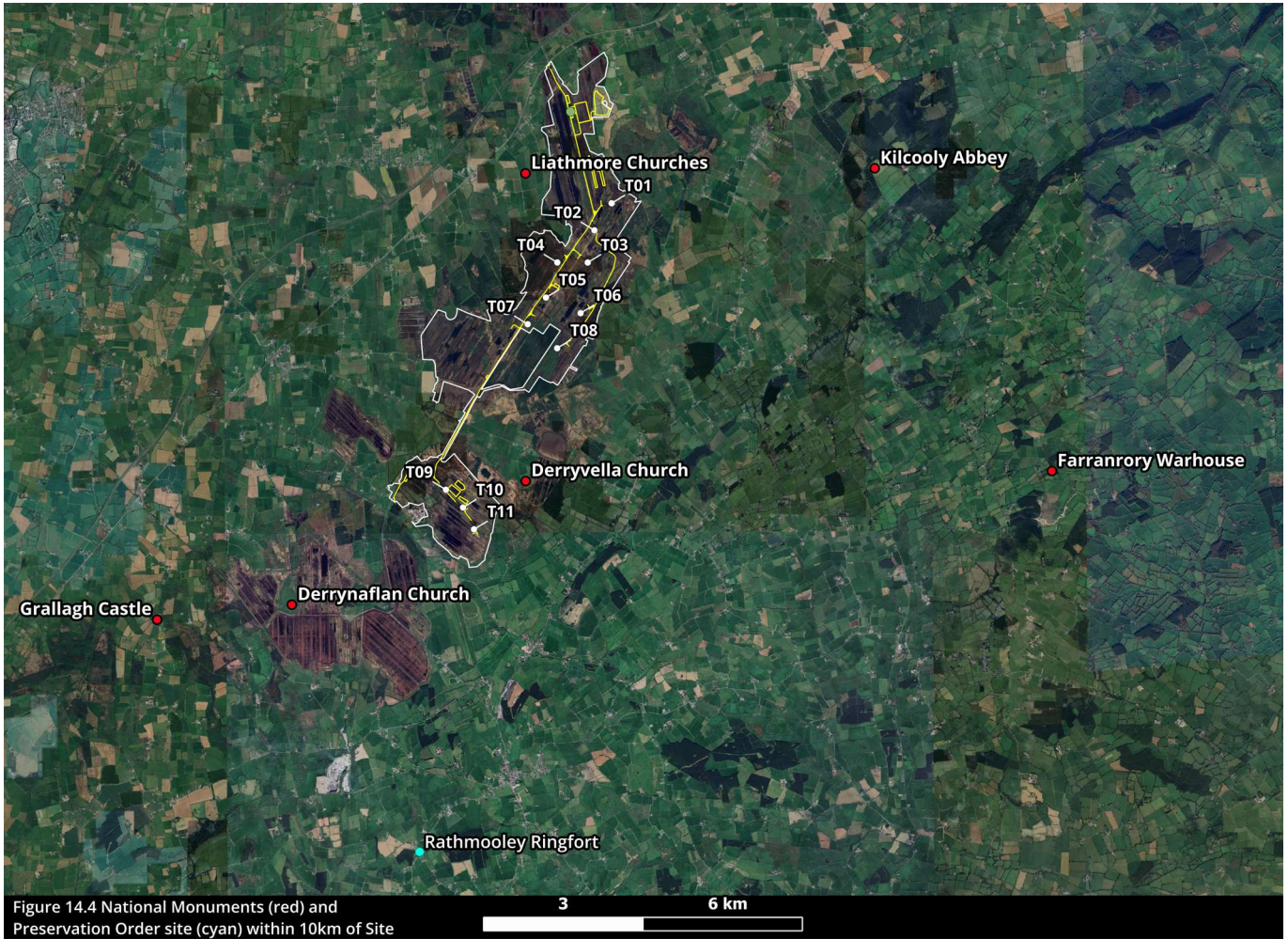
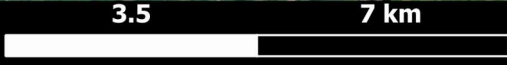


Figure 14.4 National Monuments (red) and Preservation Order site (cyan) within 10km of Site



Figure 14.5 Monuments with potential visual alignments within 10km of Site



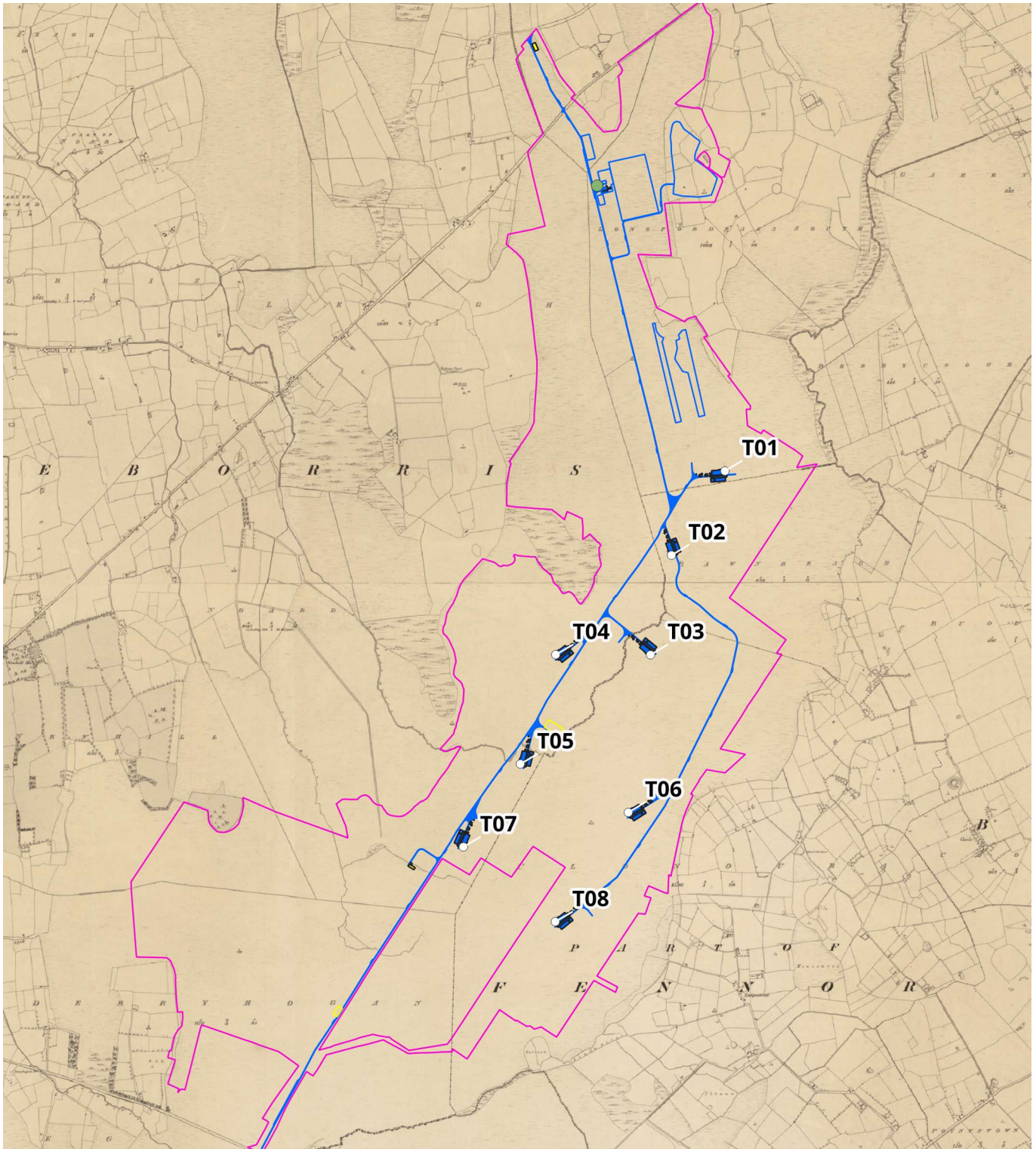


Figure 14.6 1st edition 6-inch OS map of north end of Site

1

2 km



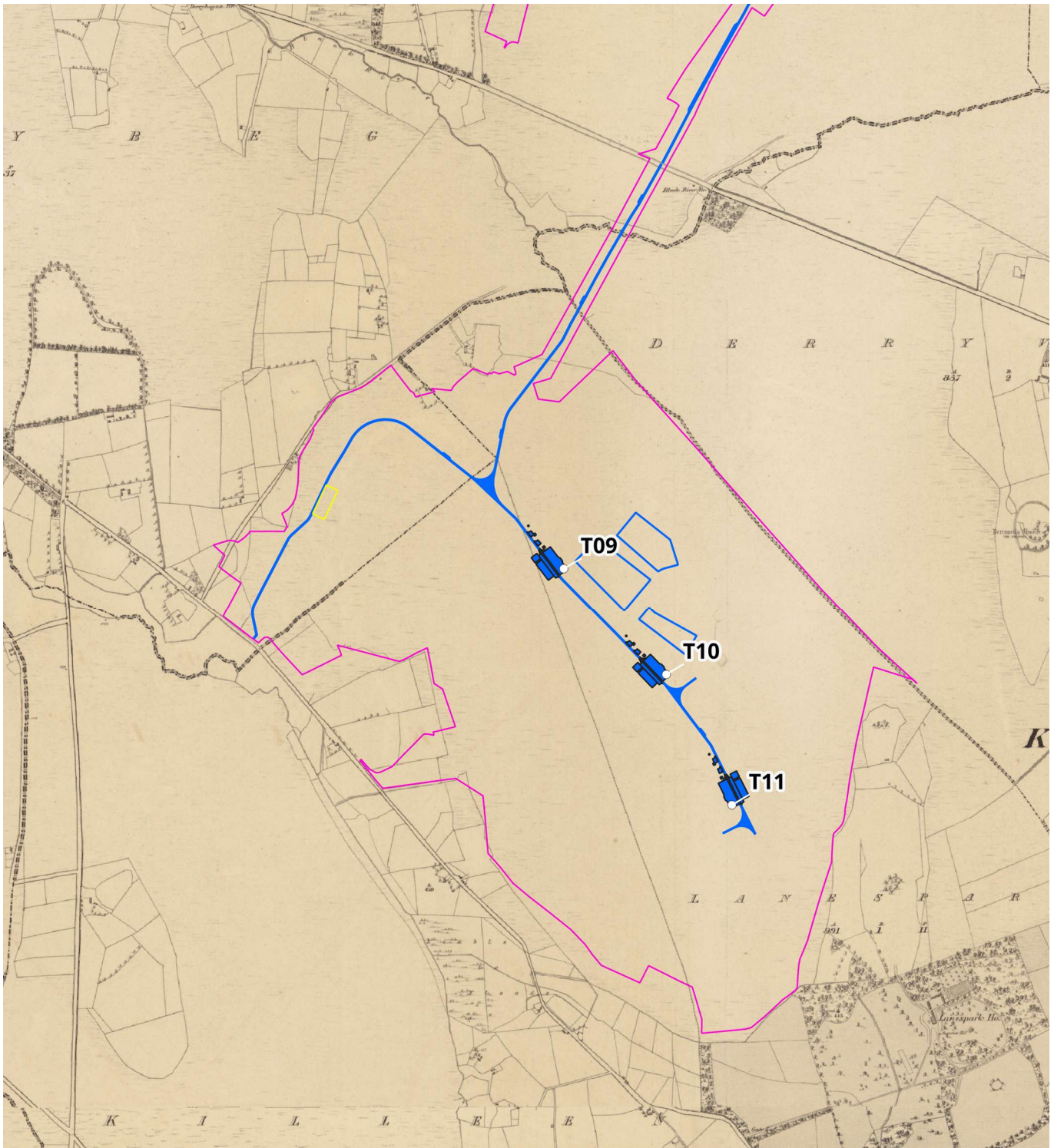


Figure 14.7 1st edition 6-inch map of south end of Site

500 1,000 m

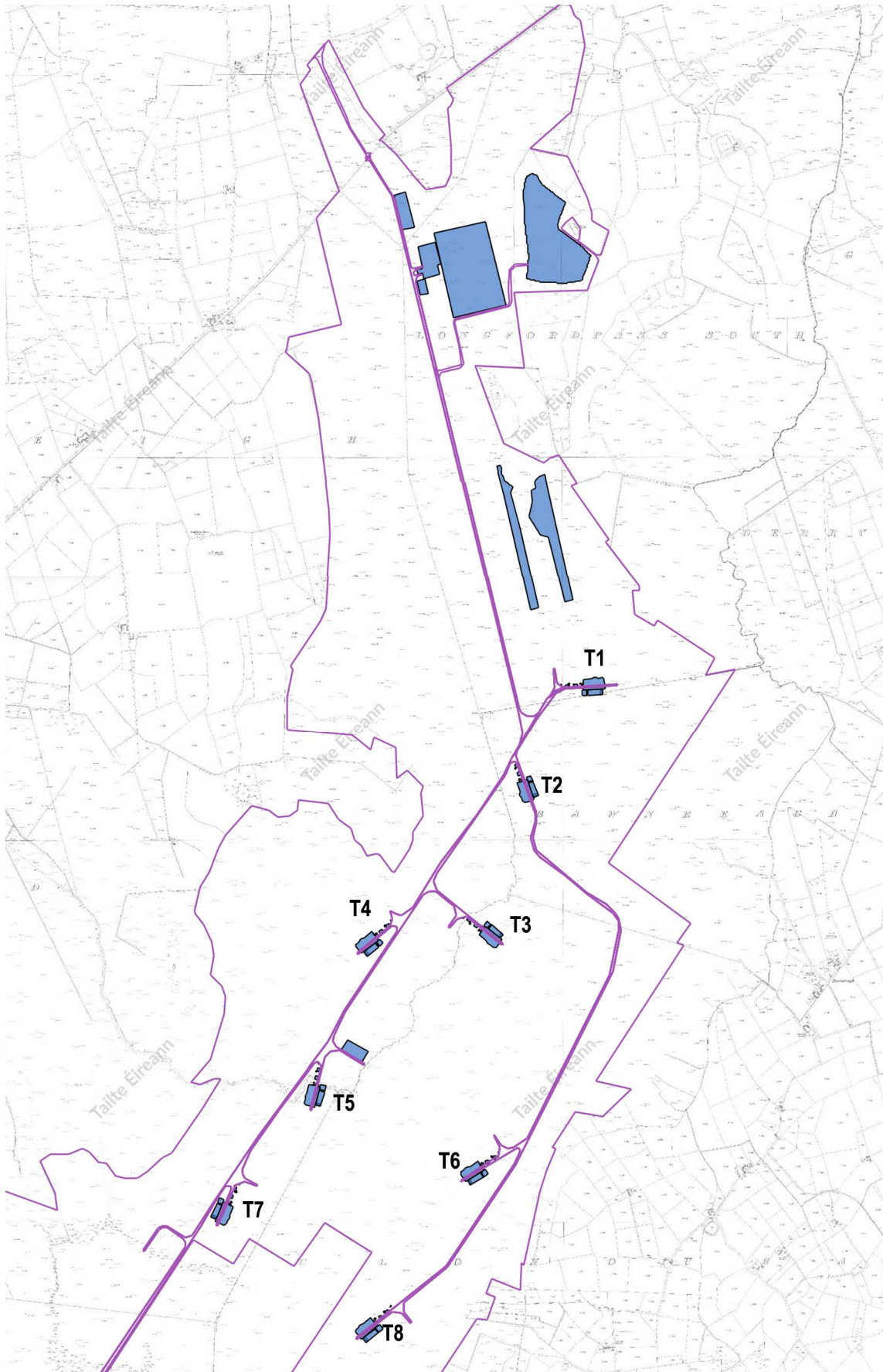


Figure 14.8 25-inch OS map of north end of Site

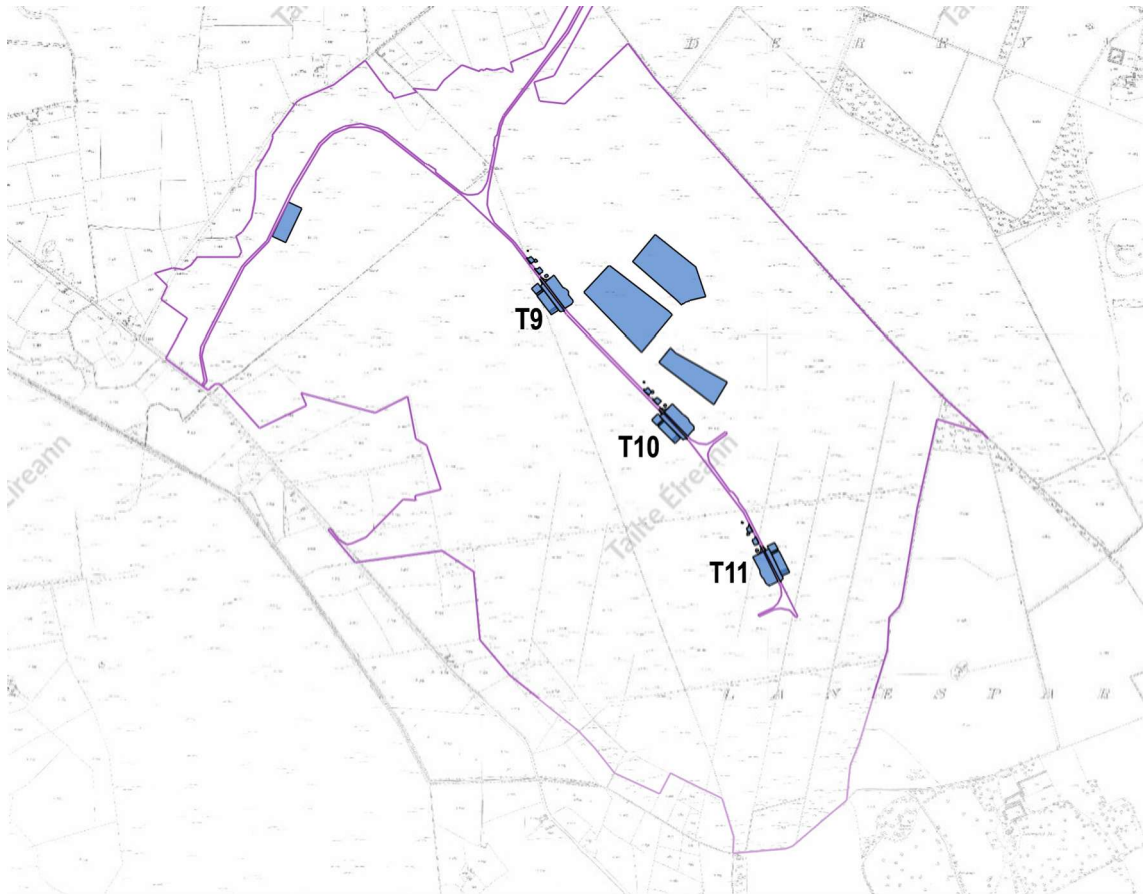


Figure 14.9 25-inch OS map of south end of Site

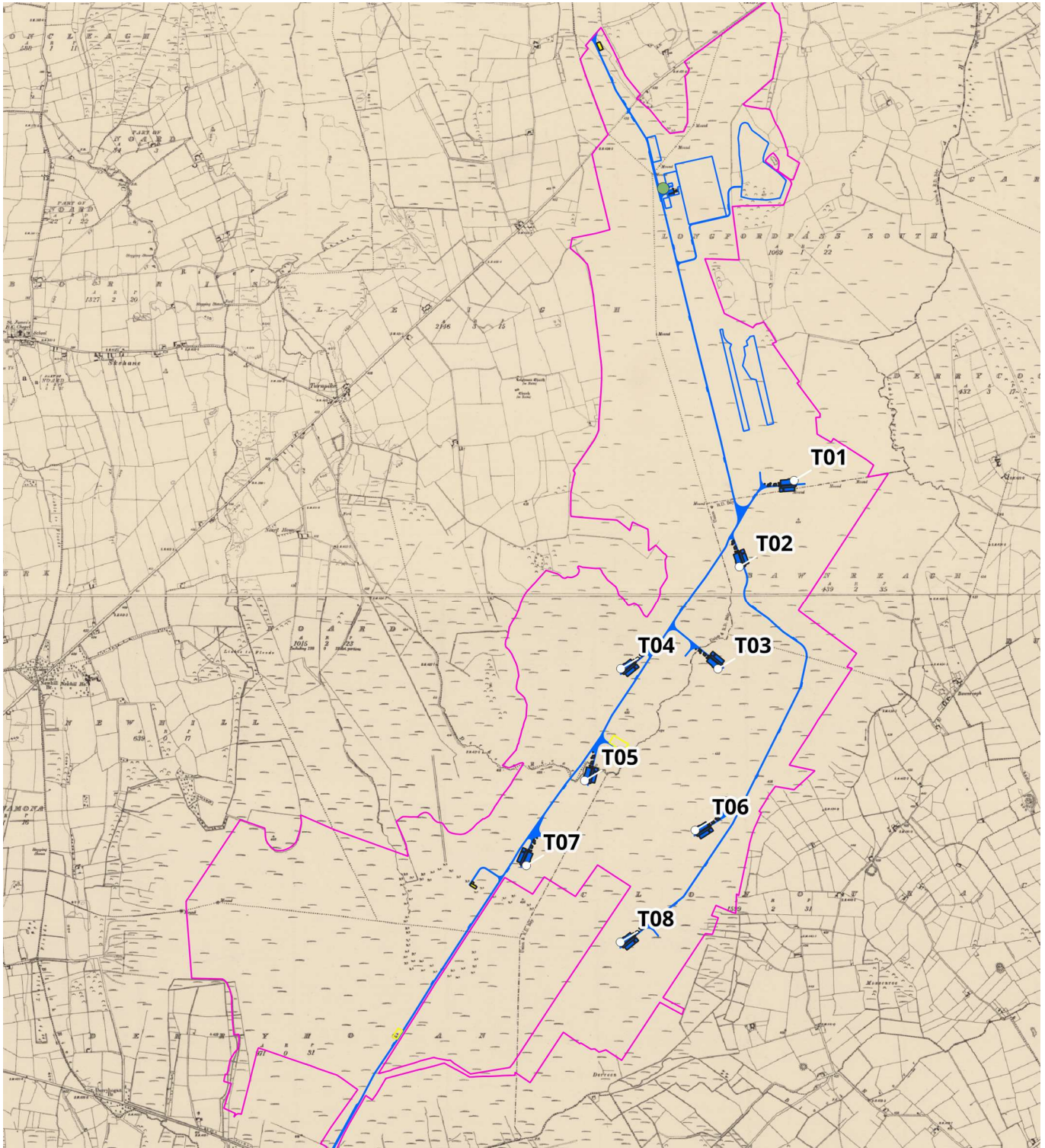


Figure 14.10 2nd edition 6-inch OS map of north end of Site

1 2 km



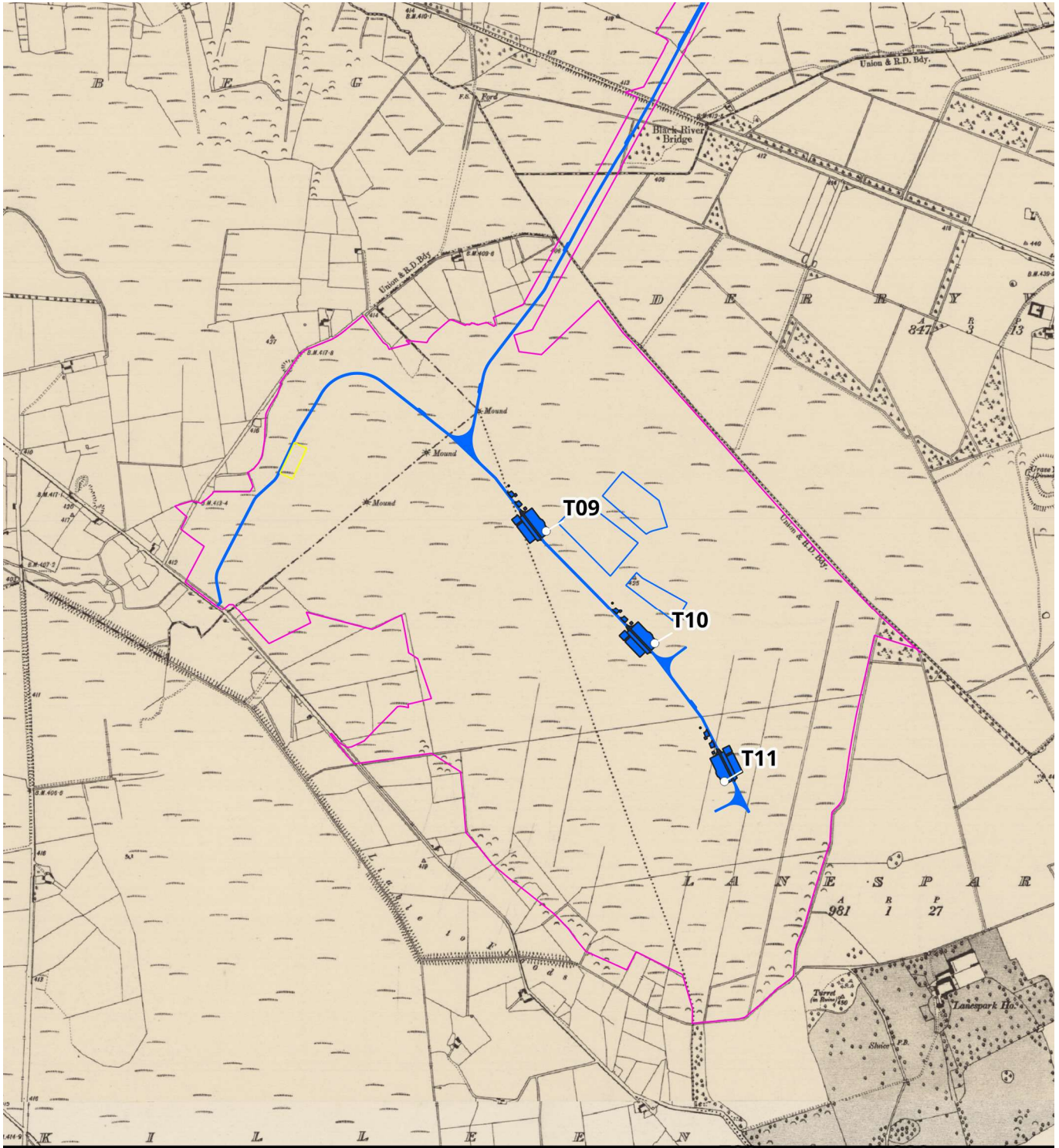


Figure 14.11 2nd edition 6-inch OS map of south end of Site

500

1,000 m

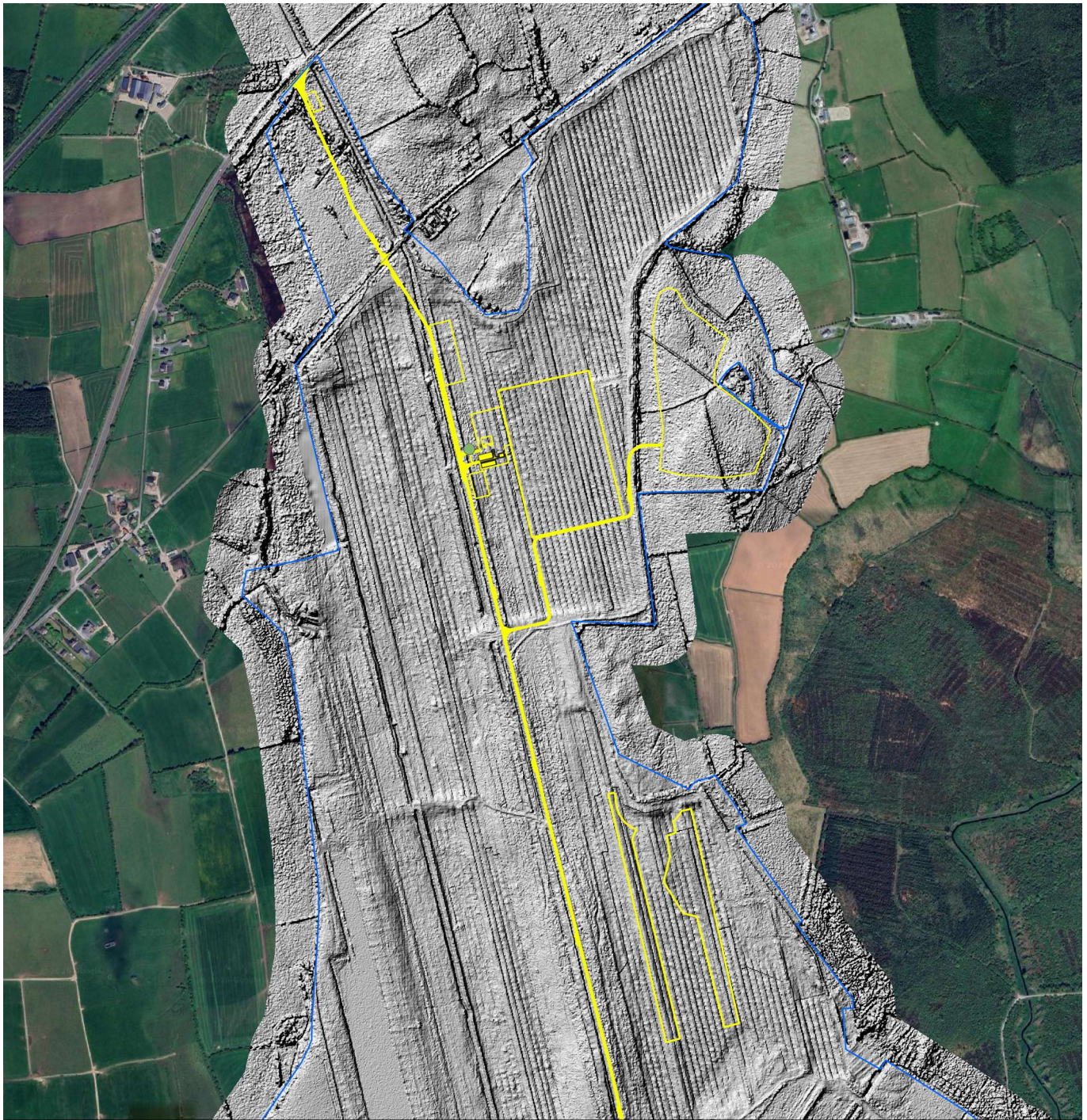


Figure 14.12 LiDAR image  
of north end of Site

500

1,000 m

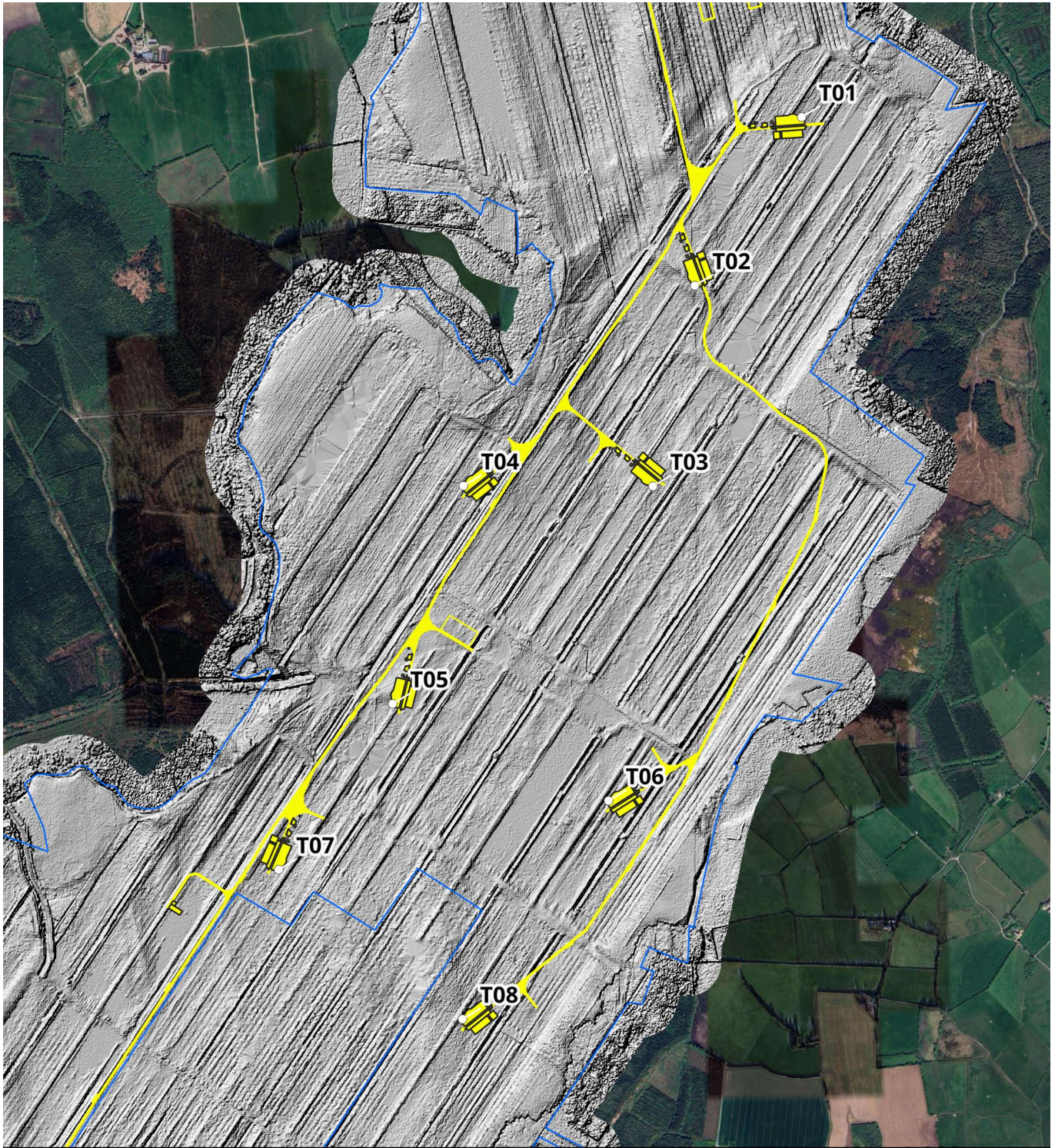


Figure 14.13 LiDAR image  
of Turbines 1-8

500

1,000 m



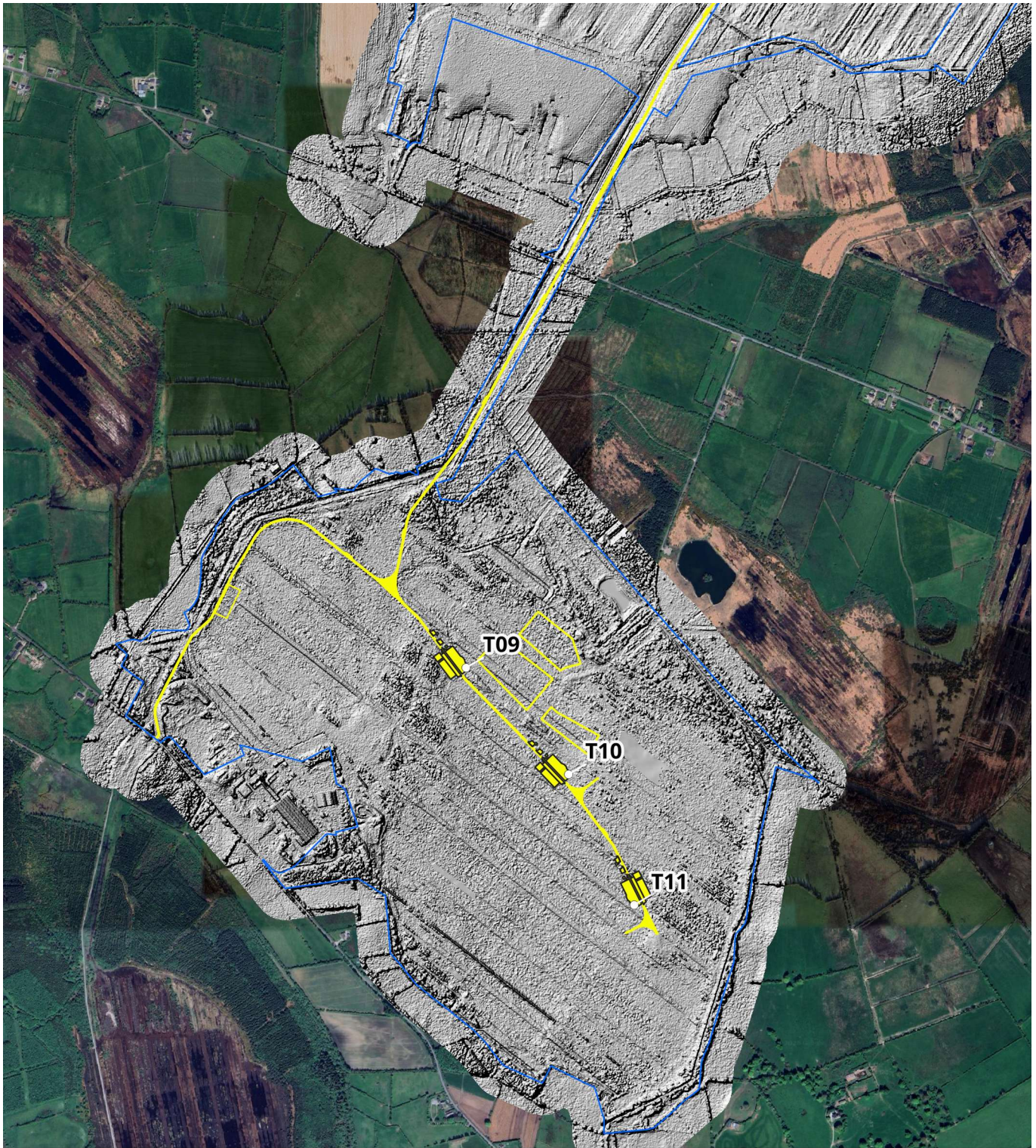


Figure 14.14 LiDAR image of Turbines 9-11

500

1,000 m

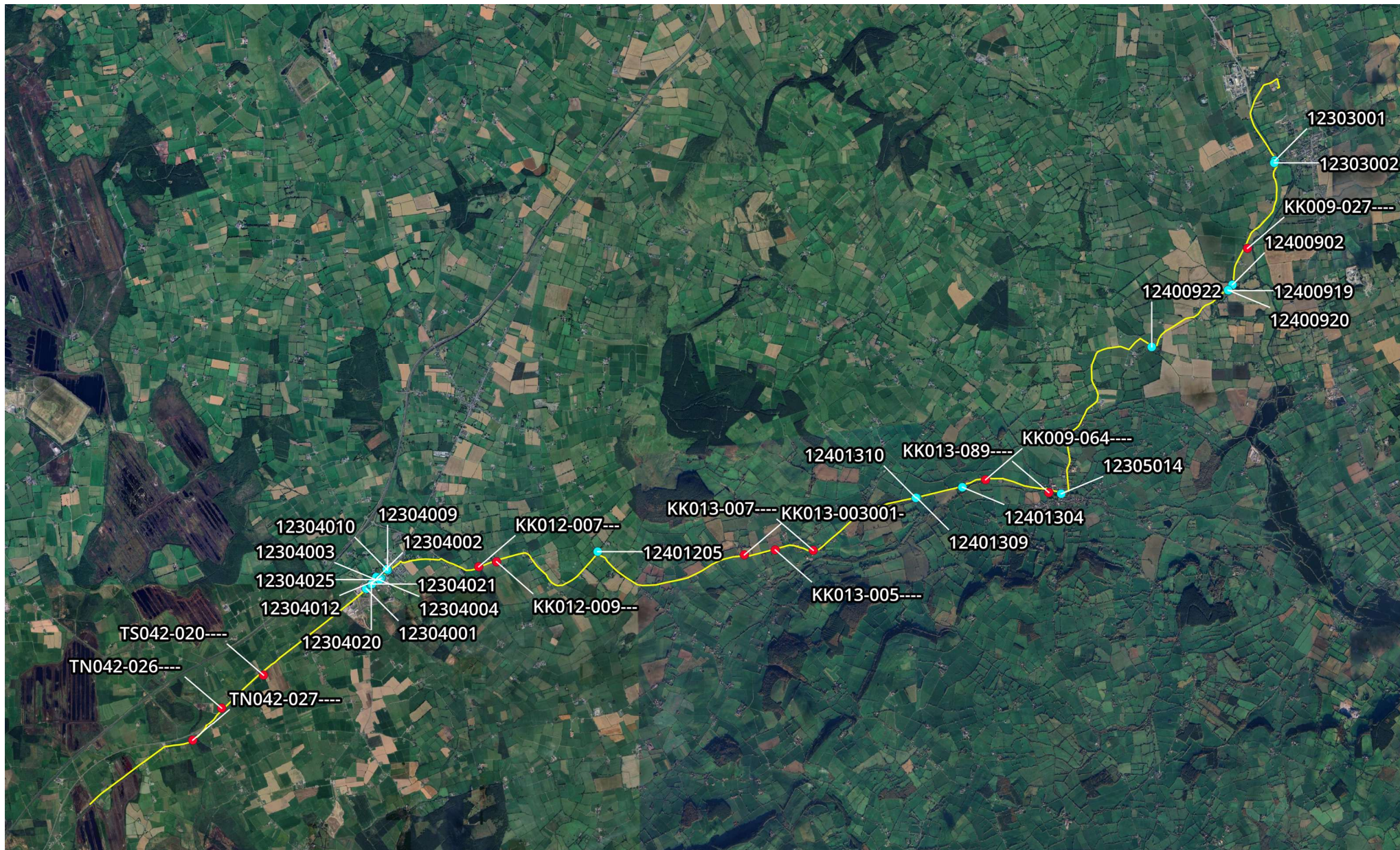
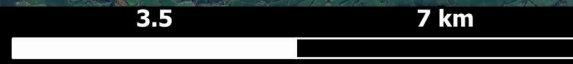
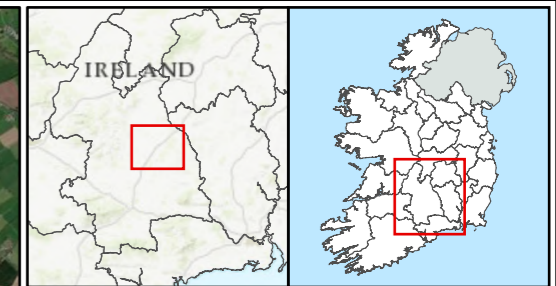


Figure 14.15 Cultural Heritage Constraints within Grid Connection Study Area  
 Archaeological sites (red) and NIAH structures (cyan)

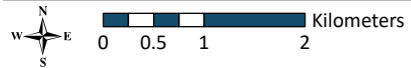


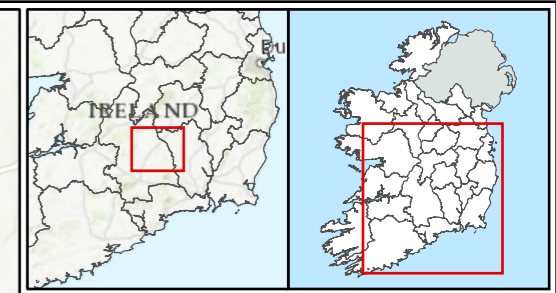
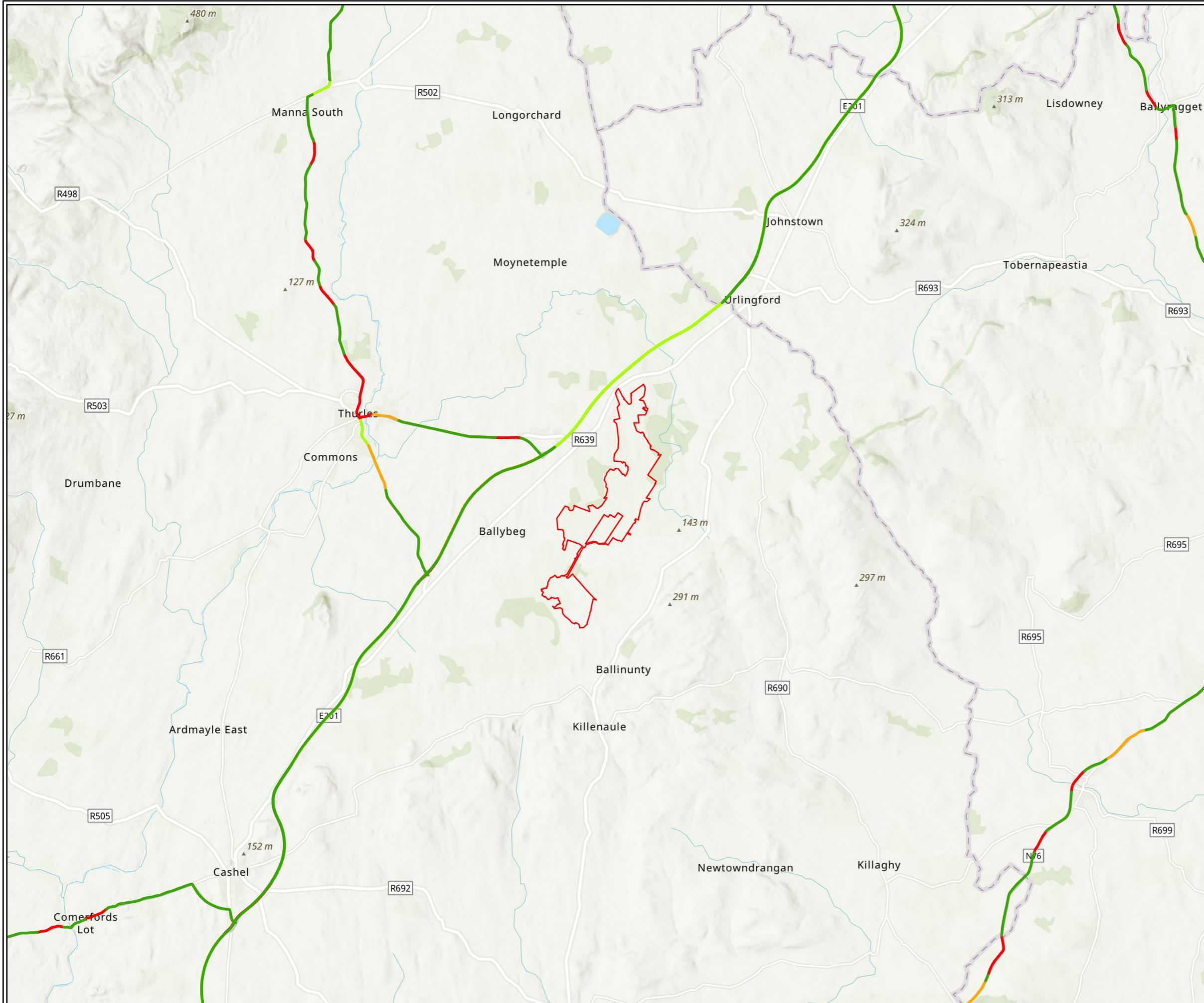




- Legend**
- Site Boundary
  - Haul Routes**
  - Haul Route 1
  - Haul Route 2
  - Haul Route 3
  - Quarries
  - Access Points

<b>TITLE:</b>	Haul Routes and Quarries	
<b>PROJECT:</b>	Littleton Wind Farm	
<b>FIGURE NO.:</b>	15.2	
<b>CLIENT:</b>	Littleton Wind Farm DAC	
<b>SCALE:</b>	1:75,000	<b>REVISION:</b> 0
<b>DATE:</b>	30/04/2026	<b>PAGE SIZE:</b> A3





**Legend**

- Site Boundary
- Twice Above Average Rate
- Above Average Rate
- Below Average Rate
- Twice Below Average Rate

<b>TITLE:</b>	TII Collision Risk Mapping in the vicinity of the Site		
<b>PROJECT:</b>	Littleton Wind Farm		
<b>FIGURE NO.:</b>	15.3		
<b>CLIENT:</b>	Littleton Wind Farm DAC		
<b>SCALE:</b>	1:150,000	<b>REVISION:</b>	0
<b>DATE:</b>	09/04/2026	<b>PAGE SIZE:</b>	A3

