Soils and Geology Assessment for Carrigeen Renewable Energy Development, Co. Roscommon, Ireland

Main Ground Investigation

Report No: 2278-24B Rev1

11th March 2026

This document has been prepared by Whiteford Geoservices Ltd on behalf of

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Carrigeen Renewable Energy Development

[SOILS AND GEOLOGY STUDY – PRELIMINARY GROUND INVESTIGATION]

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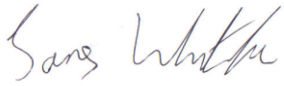
James Whiteford (Operations Manager)		11th March 2026
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1 INTRODUCTION

This report should be read in conjunction with the Carrigeen Renewable Energy Development – "Soils and Geology Assessment for Carrigeen Renewable Energy Development", Report 2278-24A.

In July 2024 Whiteford Geoservices Ltd was commissioned by Jennings O'Donovan Consulting Engineers to undertake site investigation works at Carrigeen Renewable Energy Development near Frenchpark, County Roscommon, Ireland, on behalf of their client Carraigin Power Ltd.

This assessment was required to obtain baseline soils and geology information and to screen the proposed wind farm layout in relation to peat stability and other potential soils and geology issues.

The original Carrigeen Wind Farm was to consist of 14 Nr. new wind generating turbines, new turbine hardstanding areas and a proposed electrical sub-station, along with both new and upgraded access tracks following analysis of preliminary constraints mapping. This was then amended to 11 Nr. Turbines under the Stage 2 site visit with updated layouts and turbine locations.

This new layout was then approved in detail for Stage Peat Landslide Hazard Assessment and site investigation works undertaken at the main infrastructure.

The results of this site investigation have then been employed to determine the nature of, and condition of, the soils and geology underlying the main wind farm infrastructure.

From this analysis a preliminary understanding of peat depth, decomposition and strength in relation to ground slopes was determined and from this, and other observations of sensitive receptors, a preliminary assessment of peat slide risk was compiled.

Stage 2 Peat Assessment and Site Investigation fieldwork, involving a further walkover survey of the amended layout and supplementary peat thickness probing and in-situ testing together with intrusive and geophysical site investigations at the main structures was undertaken between 12th May and 6th June 2025.

The fieldwork campaign, detailed within this report, consist of the following elements.

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The scope of these works was as follows: -

Ref.	SI Component	Remarks
A	Site Walkover Survey	Walkover survey of the amended site and turbine locations to identify and assess on-site features which could affect both the construction and / or operation of the wind energy development.
B	Peat Thickness Probing (Stage 1 Detailed Peat Assessment of construction zone)	Rigid "depthing" rods were employed to determine the thickness of superficial peat soils. These were carried out as follows: 1. Preliminary probing at turbine infrastructure
C	Intrusive site investigations	Trial holes undertaken at the main infrastructure to inform preliminary foundation design.
D	Geophysical Ground Investigations	Geophysical ERT and EM Surveys were utilised to assess the competence and nature of soils, as well as rock formations underlying each main structure and to search for the presence of "karst" geohazards.

Table 1 – Scope of SI Works

The investigation was performed in accordance with the relevant standards (see References) and data presented within the relevant appendix to this report.

This report presents the factual and interpreted records of the investigations undertaken to provide a further detailed assessment of soils and geology constraints at Turbines T01, T02, T03, T04, T05, T06, T07, T08, T09, T10, T11 and Substation. This assessment then allowing a final determination of PLH, preliminary recommendations for foundation design and screening for potential "karst" hazards.

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2 SITE AND GEOLOGY

2.1 The Site

Carrigeen Renewable Energy Development is located approximately 4.2km south-east of Frenchpark and 13km south of Boyle in Co. Roscommon, situated 2.5km north of the N5 national carriageway and easterly adjacent to the N61 national carriageway. Refer to Drawings contained within the Appendix for the proposed wind farm site layout plan detailing the positions of the main development infrastructure.

The proposed development site is of generally level topography with lands comprised predominantly of cut-over raised peat bog and isolated areas of coniferous forestry and improved lands used for agriculture.

2.2 Published Geology

A study was made of available geological information. This study indicated that the following natural solid (bedrock) and superficial (soil) geology is present across the proposed site of Carrigeen Renewable Energy Development.

2.2.1 Solid Geology

The Carrigeen Renewable Energy Development site is underlain by the following rock formations:

1. Boyle Sandstone Formation; sandstone, siltstone and black mudstone.

This formation is described as “poorly bedded conglomerates, associated with red-purple pebbly grits and coarse sandstones, grading upwards into a cyclic sequence with pale grey, sometimes pink, sandstones capped by intervals of red, green and grey mud rock.”

2. Ballymore Limestone Formation; dark, fine grained limestone and shale.

This formation is described as “a basal unit of medium bedded crinoidal calcarenites, followed by a middle unit 40m thick of thin bedded dark nodular limestones with thick interbeds of calcareous shale.”

3. Croghan Limestone Formation; dark, cherty limestone and shale.

This formation is described as “tin-bedded brown-weathering muddy limestone with irregular development of shale partings.”

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2.2.2 Superficial Geology

- Cut-over raised Peat or Topsoil
- Glacial Tills (Derived mainly from limestone rocks)

2.2.3 Palaeo-Karst Features

Karst topography is defined as "An assemblage of topographic forms resulting from dissolution of the bedrock and consisting primarily of closely spaced sinkholes." [1] Karst topography can form in regions of exceptionally soluble rocks, including Limestone.

The presence of such features has, in some cases, resulted in structural instability.

Limestone is recorded as an uppermost rock formation at the proposed site, however, GSI does **not** record Karst features within the Site boundary. Neither was any obvious karst features recorded during the walkover survey. A number of karst landform features have been recorded by GSI within the immediate vicinity of the proposed site, and these are indicated on Figure A3.

Limestone formations could still be present below the sandstone / siltstone rocks that dominate the Boyle Sandstone Formation and therefore additional ground investigation carried out at construction stage will be required to discount this risk entirely.

The risk to development posed by karst features within the solid geology underlying the proposed site, particularly within those areas dominated by the Ballymore and Croghan Limestone Formations, will require further investigations.

3 FIELDWORK

3.1 General

All fieldwork was carried out in general accordance with BS 5930:2015+A1:2020 and other related standards.

Please refer to Appendix A for the location of all geotechnical investigations undertaken.

3.2 Exploratory Holes

The exploratory holes are detailed within the following table.

[1] (Skinner and Porter, 1987: p259)

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METHOD	QUANTITY	MAXIMUM DEPTH (m)	EQUIPMENT
Trial Pit	12 Nr.	4.5	Trial pits were carried out with using a 13T Tracked Excavator Note: due to the presence of existing forestry some trial holes were undertaken at the closest accessible location.

Table 2 – Schedule of Exploratory Holes

Refer to Appendix B for engineering logs of trial holes

3.3 In-situ Testing

The in-situ testing works carried out are detailed within the following table.

TYPE	QUANTITY	MAX. DEPTH (M)	EQUIPMENT / REMARKS
Peat Depth Probing	814 Nr. (Stage 1) 1695 Nr. (Stage 2)	> 9.00m	Undertaken using rigid “depthing rods”.
Hand Vane Test (Field)	13 Nr. (Stage 1) 27 Nr. (Stage 2)	2.00m	Geonor Torqueleader 160SPL. / BS 5930:2015+A2:2020.
Von Post Classification (of Peat soils)	12 Nr. (Stage 1) 10 Nr. (Stage 2)	2.00m	Undertaken according to the Von Post Humification Scale.

Table 3 – Schedule of In-Situ Tests in conjunction with Stage 1

Refer to Appendix B for details

3.4 Geophysical Surveys

The geophysical survey involved the following non-destructive testing techniques.

METHOD	LOCATION	MAXIMUM DEPTH PENETRATION (m)	EQUIPMENT
2D Electrical Resistivity Tomography	2 Nr. profile at the 12 wind turbine generators (T1 - T11). Surveying was also undertaken at another potential turbine location, subsequently dropped.	approx. 15m	Mangusta Electrical Resistivity Imaging System.

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METHOD	LOCATION	MAXIMUM DEPTH PENETRATION (m)	EQUIPMENT
2D Electromagnetic Conductivity Surveying	5nr grids of geophysical data was collected at the site of proposed infrastructure at T01, T03, T06, T08 and T9	Approx. 5m	Geofyzika CMD4 Ground Conductivity Meter

Table 4 –Geophysical Methods Deployed

2D Electrical Resistivity

A Mangusta Tigre Electrical Resistivity System employing a 32 electrode Wenner Array was used to conduct the geophysical 2D resistivity survey, with the intention of analysing the sub-surface to a depth of approximately 15m below existing ground level.

Field quality-controlled data processing was carried out using Imager Pro 2006.

Two electrodes input a controlled electrical current into the ground, where the lines of current flow adapt to the sub-surface resistivity pattern. In this way the potential difference between the equipotential surfaces can be measured, where they meet the ground surface, using a second pair of electrodes. Comparison of the input current to the measured potential difference enables the resistance to be calculated.

Imager Pro 2006, a Windows acquisition program allows real time colour pseudo-sections to be generated on the laptop computer used to collect and store data in the field. Such real time presentation offers instant confirmation of data quality.

Res2DinV software was applied to the field data to provide the modelled sections which were then interpreted, in terms of resistivity, by an experienced Geologist.

Refer to Appendix C for the annotated 2D Electrical Resistivity profiles collected.

Electromagnetic Conductivity

A digital CMD-4 electromagnetic conductivity meter was employed to record quadrature data (Conductivity) within the region surrounding the wind turbine generators, where the stability of existing strata has the potential to impact the stability of new structures. Refer to SI Layout Plan, L1, contained in the Appendix.
Positions were recorded, in real-time, using a differential GPS integrated with the CMD-4 surveying unit.

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Data processing was carried out using Golden Software Surfer 16 and the information was analysed for anomalies that may indicate changes in the sub-surface.

3.5 Topographical Survey

A topographical survey of exploratory hole locations and geophysical tests were undertaken post-completion of all associated investigation works and is detailed in the table below.

EQUIPMENT	COORDINATE SYSTEM
Leica RTK / GNSS DGPS System	Irish Transverse Mercator (ITM) / Malin Hean (Ordnance Datum)

Table 5 – Topographic Surveying

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5 LABORATORY TESTING

4.1 Geotechnical Testing

Following detailed analysis soils laboratory testing was undertaken on samples collected from the site.

This testing was scheduled and carried out in accordance with BS 1377 (1990) and other standards by Whiteford Geoservices Ltd.

A schedule of this testing is summarised in the table below and the results are presented within Appendix C.

TYPE	QUANTITY	REMARKS
Bulk Density	7	BS1377:1990 Part 2
Natural Moisture Content	12	BS1377:1990 Part 2
Partial size Distribution	8	BS1377:1990 Part 2
Sulphate Content of Water Extract	8	BS 1377- Part 3 (2018)
Chloride Content of Water Extract	8	BS 1377- Part 3 (2018)
Sulphide Content of Water Extract	8	BS 1377- Part 3 (2018)
Organic Matter Content	0	BS 1377- Part 3 (2018)
pH	8	BS 1377- Part 3 (2018)

Table 6 – Schedule of Laboratory Test of Recovered Samples

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5 SURVEY RESULTS

5.1 Introduction

The investigation has provided geophysical information on the sub-surface conditions within the zones identified on the Geophysical Layout Plans in Appendix A.

Refer to Appendix C for annotated findings for the 2D Electrical Resistivity Surveys.

5.2 Soil Stratigraphy at Turbines

The following Table details the findings of preliminary exploratory holes undertaken at proposed Wind Turbine positions. Refer to Appendix B for individual engineering logs of exploratory holes.

LOCATION	TRIAL PIT REFERENCE	TOPSOIL/PEAT THICKNESS (M)	DEPTH TO COMPETENT MINERAL SOIL (M)	SOIL TYPE AT BASE	WEAK ROCK DEPTH (M)
Turbine T1	Bogland	2.80	> 5.00 est.	Soft, slightly silty and clayey SILT	Not found
Turbine T2	Agriculture / Forestry	1.10	3.20	Stiff, slightly silty and gravelly CLAY, with large boulders from 3.1m	Not found
Turbine T3	Bogland	2.80	> 5.00 est.	Very soft slightly silty and clayey SILT	Not found
Turbine T4	Forestry	c. 1.40	c. 3.50	Probable stiff, slightly sandy, gravelly SILT containing cobbles	Not found
Turbine T5	Forestry	0.30	3.20	Very stiff gravelly CLAY containing cobbles	Not found
Turbine T6	Forestry	0.30	2.10	Stiff, slightly silty and clayey SILT	Not found
Turbine T7	Forestry	0.70	2.70	Very stiff gravelly, sandy SILT containing cobbles and boulders	Not found

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Turbine T8	Bogland	2.50	>4.50	Soft-firm, silty, gravelly, containing cobbles	Not found
Turbine T9	Bogland	1.90	4.00	Stiff gravelly, sandy SILT containing cobbles and boulders	Not found
Turbine T10	Forestry	2.90	>4.40	Firm, slightly silty, gravely CLAY containing cobbles and boulders	Not found
Turbine T11	Forestry	0.30	1.90	Stiff, silty CLAY, containing cobbles and boulders	Not found
Substation	Forestry	0.5	2.10	Firm, gravelly, sandy SILT containing cobbles and boulders.	Not found

Table 7 – Summary of Stratigraphy at Main Infrastructure

In light of the findings from the preliminary trial hole investigation the following schedule of foundations is recommended for the main infrastructure.

STRUCTURE.	TURBINE FOUNDATION	HARDSTAND FOUNDATION	ACCESS TRACKS
T01	Gravity Base (5.00m) or Deep Pile Foundation in SANDSTONE (9.00m depth)	Place at 4.50m depth within competent mineral soils. (Consider ground improvement and engineered raft design at shallower depth)	Floated road construction within PEAT
T02	Gravity Base Foundation in stiff CLAY(3.50m depth)	Place at 1.60 m depth within competent mineral soils	Traditional track construction from 1.30m depth in MINERAL SOILS
T03	Gravity Base (5.00m) or Deep Pile Foundation in probable SANDSTONE (12.00m depth)	Place at 3.20m depth within competent mineral soils. (Consider ground improvement and engineered raft design at shallower depth)	Floated road construction within PEAT
T04	Estimate - Gravity Base (5.00m)	Estimate -3.50 m depth within competent mineral soils	Estimate - Traditional track construction from 1.60m depth in MINERAL SOILS

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STRUCTURE.	TURBINE FOUNDATION	HARDSTAND FOUNDATION	ACCESS TRACKS
T05	Gravity Base Foundation in Stiff, gravelly CLAY containing cobbles (3.50m depth)	Place at 0.90m depth within competent mineral soils	Traditional track construction from 0.30m depth in MINERAL SOILS
T06	Gravity Base Foundation Very stiff, gravelly, sandy SILT containing cobbles and boulders (3.50m depth)	Place at 0.50 m depth within competent mineral soils	Traditional track construction from 0.30m depth in MINERAL SOILS
T07	Gravity Base Foundation in gravelly, sandy SILT containing cobbles and boulders (3.50m depth)	Place at 1.20 m depth within competent mineral soils	Traditional track construction from 0.70m depth in MINERAL SOILS
T08	Gravity Base Foundation in gravelly, sandy SILT containing cobbles and boulders (5.00m)	Place at 2.50 – 3.50m depth within competent mineral soils. (Consider ground improvement and engineered raft design at shallower depth)	Floated road construction within PEAT
T09	Gravity Base Foundation in gravelly, sandy SILT containing cobbles and boulders (5.00m depth)	Place at 2.50 - 4.00 m depth within competent mineral soils. (Consider ground improvement and engineered raft design at shallower depth)	Floated road construction within PEAT
T10	Gravity Base Foundation in gravelly, sandy SILT containing cobbles and boulders (5.00m)	Place at 4.40m depth within competent mineral soils (Consider ground improvement and engineered raft design at shallower depth)	Floated road construction within PEAT
T11	Gravity Base Foundation in gravelly, sandy SILT containing cobbles and boulders (3.50m depth)	Place at 0.30m depth within competent mineral soils	Traditional track construction from 0.30m depth in MINERAL SOILS
SUBSTATION	Strip, Pad or Raft foundations (2.10m) in Firm, gravelly, sandy SILT, containing cobbles and boulders	Pad / Raft at 2.10m	Traditional track construction from 0.50m depth in MINERAL SOILS

Table 8 – Recommendations for Infrastructure Foundations

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5.2 Geophysical Survey

5.2.1 2D Electrical Resistivity Survey (Turbines T01 to T11)

a. Profiles at Turbine T01, indicate a 2m thick layer of peat overlying approximately 5m of low resistivity material, probably clayey SILT. There is an indication of a higher resistor, i.e. Sandstone rock is likely to be found at approximately 8m depth.

b. Profiles at Turbine T02, indicate a layer of low resistivity wet peat topsoils overlying approximately 3.0m of a bit higher resistivity material, probably silty SAND. There is also a strong indication of a higher resistor, i.e. sandstone rock at approximately 6m depth.

c. Profiles at Turbine T03, indicate a 3m thick layer of dry peat overlying approximately 6m of low resistivity material, probably clayey SILT. There is a weak indication of a higher resistor, i.e. sandstone rock at approximately 9.0m depth, although it is probably weathered.

d. Profiles at Turbine T04, indicate a 5m thick layer of low resistivity material, probably glacial till composed of sandy, gravelly SILT. There is a clear indication of a higher resistor, i.e. sandstone rock at approximately 6.0m depth, although it is probably weathered as there is a lateral variability in the rock formation.

e. Profiles at Turbine T05, indicate a low resistivity gravelly CLAY (glacial till) up to 7.5m, with no significant variations.

f. Profiles at Turbine T06, indicate a 3m to 6m thick gravelly, sandy SILT (glacial till) overlaying a higher resistor limestone rock. Although, an indication of lateral variability in the rock formation suggests severe local weathering (potentially linked to “karst” features, e.g. cavities, or sinkholes).

g. The profile at Turbine T07, indicates a layer of low resistivity approximately 5.0m, probably silty, gravelly CLAY (glacial till). There is also a strong indication of a higher resistor, i.e. limestone rock which is probably weathered considering the resistivity level.

h. Profiles at Turbine T08, indicate a 3m thick peat overlaying a low resistivity gravely CLAY (glacial till). There is also a strong indication of a higher resistor at approximately 12m, i.e. limestone rock which is probably weathered considering the resistivity level.

i. Profiles at Turbine T09, indicate a low resistivity gravelly, sandy SILT (glacial till) up to 15.0m, with no significant variations. They also indicate higher resistivities that would suggest limestone rock at approximately 15m depth, although this is poorly defined.

j. Profiles at Turbine T10, indicate a 2.0m thick peat overlaying a low resistivity silty CLAY (glacial till). There is also a strong indication of a higher resistor at approximately 7.5m, i.e. limestone rock which is probably weathered considering the resistivity level.

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k. Profiles at Turbine T11, indicate a low resistivity gravelly, sandy SILT (glacial till) up to 7.5m, with no significant variations. There is also a strong indication of higher resistivities that would suggest limestone rock that is probably weathered considering the resistivity levels.

TURBINE LOCATION	INTERPRETATION	ROCK DEPTH (M)	KARST FEATURES
T01	2 m peat over approx. 5m clayey SILT; sandstone likely below	8	None noted
T02	Wet peat over approx. 3m silty SAND; sandstone below	6	None noted
T03	3m dry peat over approx. 6 m clayey silt; possible weathered sandstone	9	None noted
T04	Approx. 5m glacial till (sandy/gravelly silt); sandstone beneath with lateral variability	6	None noted
T05	Approx. 7.5m gravelly clay (glacial till), uniform	Not Identified	None noted
T06	3–6m gravelly sandy silt over limestone; lateral variability	3–6	Possible karst (weathering, cavities/sinkholes)
T07	Approx. 5m silty/gravelly clay over limestone; weathered	Not Identified	None noted
T08	3m peat over gravelly clay; weathered limestone at approx. 12m	12	None noted
T09	Up to approx. 15m glacial till; poorly defined limestone below	15	None noted
T10	2m peat over silty clay; weathered limestone at approx. 7.5m	7.5	None noted
T11	Approx. 7.5m glacial till; weathered limestone beneath	Not Identified	None noted

Table 9 – Summary of Electrical Resistivity Tomography (ERT) Survey Findings

5.2.2 Conductivity Surveys (Turbine T01, T03, T06, T08 and T09)

The results of the ground conductivity investigations allow us to determine how easily electricity flows through the soil, i.e. conductivity (σ). While the ERT resistivity surveys tell us how much the subsurface resists that same flow, i.e. resistivity (ρ). Thus, the two methods determine inverse parameters , where $\sigma = 1/\rho$).

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a. Surveys at T01 indicate **little variation** in ground conductivity and show that the thickness of the clayey silt (till) soils varies from west to east across the construction footprint. Resistivity profiles confirm the west–east variation in sandstone depth (approximately 5–7 m), see "Turbine T1, W–E profile". **No potential karst features are present.**

b. Surveys at T03 indicate **little variation** in ground conductivity and show the thickness of the clayey silt (glacial till) soils across the footprint. The method likely did not penetrate deep enough to provide useful data on the underlying sandstone, estimated at 9 m, while maximum investigation depth is 5 m. **No potential karst features are present.**

c. Surveys at T06 indicate a west–east **noticeable variation** in ground conductivity and show that the thickness of the gravelly clay (glacial till) soils varies across the footprint. The eastern EM survey shows higher conductivity (i.e., lower resistivity), aligning with resistivity profile data and suggesting a probable sinkhole in weathered limestone. However, since the sandstone lies at ~9 m depth and the survey only reach ~5 m, no reliable information on the sandstone can be obtained. **Potential Karst Features are present.**

d. Surveys at T08 indicate **little variation** in ground conductivity and show the thickness of the gravelly clay with high cobble (glacial till) soils across the footprint. Resistivity imaging confirms this. It is unlikely this method penetrated deep enough to inform on the underlying sandstone, estimated at 9 m, with a maximum depth of 5 m. **No potential karst features are present.**

e. Surveys at T09 indicate **little variation** in ground conductivity and show the thickness of the gravelly sandy silt with high cobble (glacial till) soils across the footprint. T09 conductivity data correlate with resistivity imaging, reflecting variation in resistivity from north to south (more conductive—less resistive—in the north). No reliable information on the sandstone can be obtained. **No potential karst features are present.**

TURBINE LOCATION	CONDUCTIVITY INTERPRETATION	KARST / SUBSURFACE INFERENCES
T01	No significant conductivity variation: some till thickness variation obvious from west to east	None noted
T03	No significant conductivity variation; uniform till thickness	None noted
T06	Noticeable west–east conductivity variation; eastern side more conductive → lower resistivity	Suggests weathered limestone/sinkhole (aligns with resistivity)
T08	No significant conductivity variation; consistent with glacial till	None noted

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T09	No significant conductivity variation; consistent with glacial till	None noted

Table 10 – Summary of Electromagnetic Ground Conductivity (EM) Survey Findings

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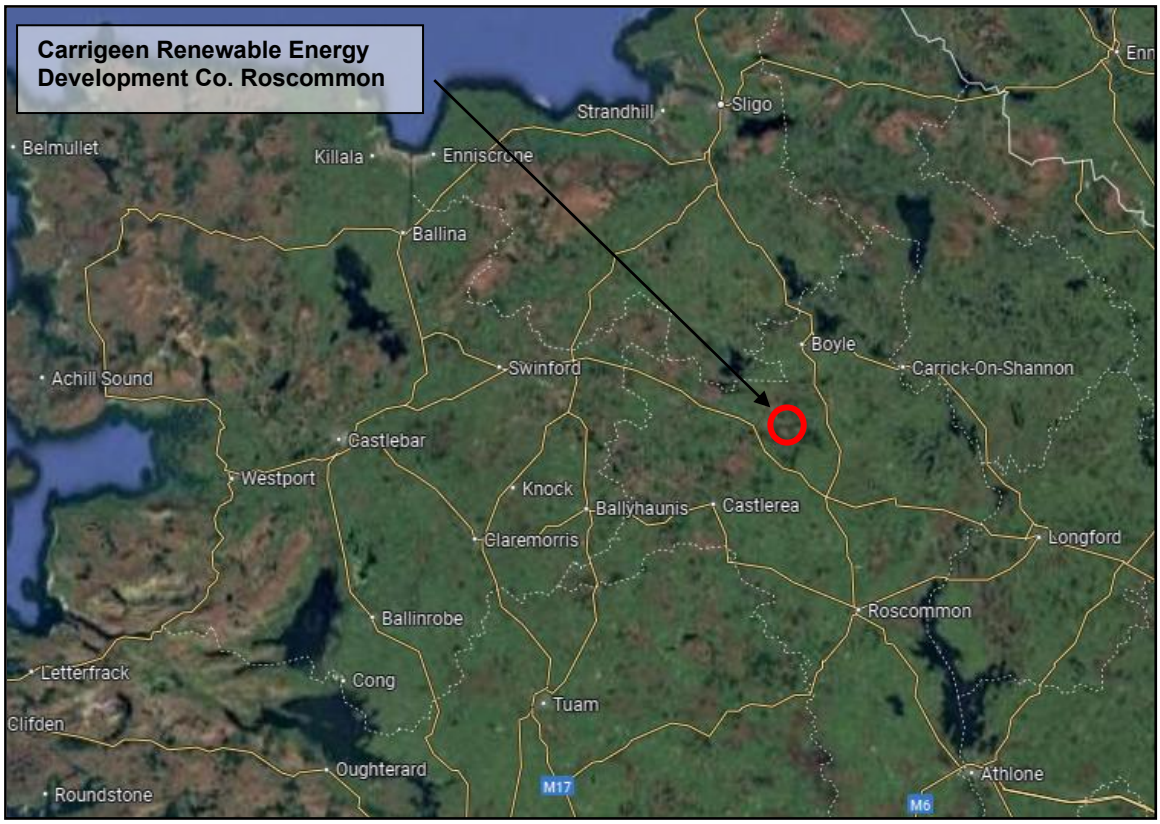
APPENDICES

Appendix A	DRAWINGS
Appendix B	RESULTS OF PEAT LANDSLIDE HAZARD SCREENING PRELIMINARY TRIIAL HOLE INVESTIGATION ENGINEERING LOGS
Appendix C	INTERPRETED GEOPHYSICAL SURVEY DATA
Appendix D	UPDATED PEAT LANDSLIDE HAZARD RANKING FOR WIND FARM SITE
Appendix E	SOILS LABORATORY TESTING
Appendix F	PHOTOGRAPHIC RECORD

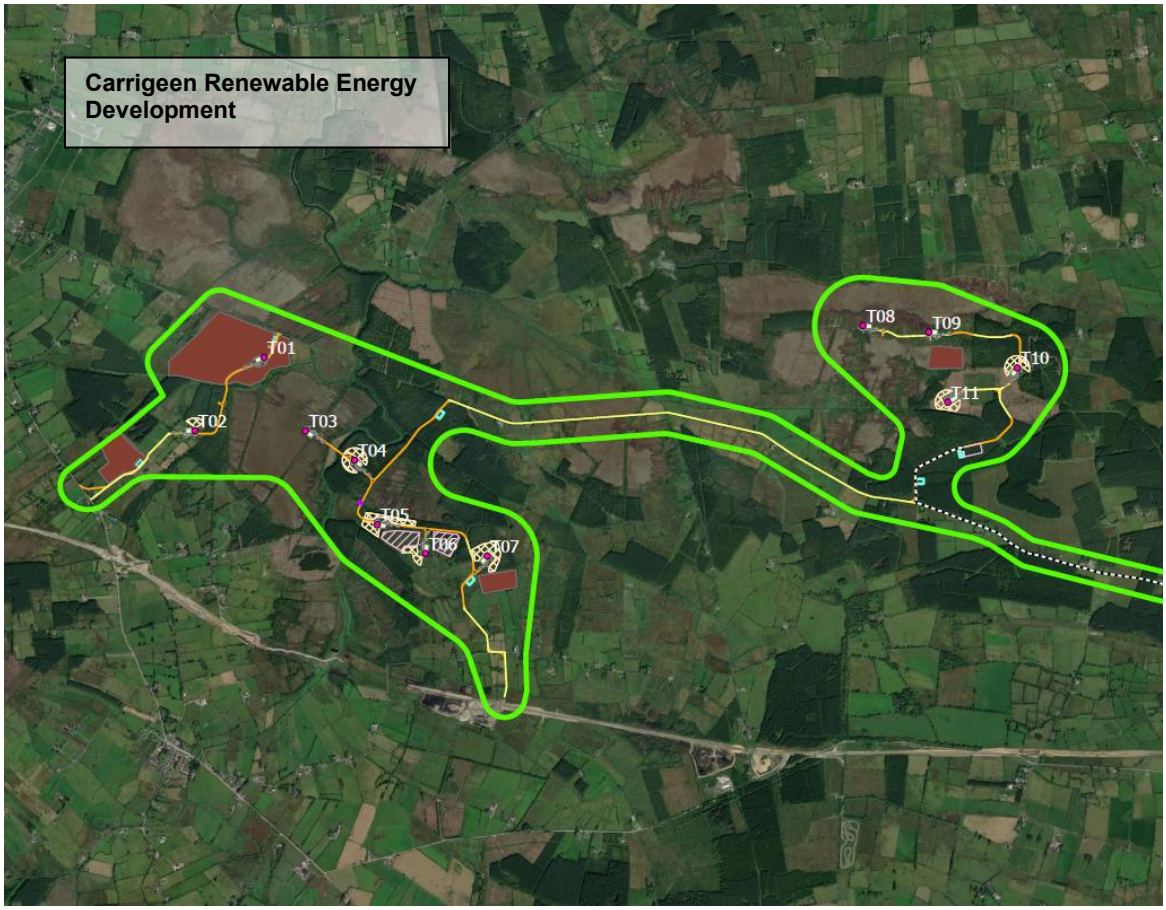
APPENDIX A

DRAWINGS

General Site Location Plan Solid Geology **Figures P1 & P2**	1 x A4
Updated Geological Mapping (GSI – 11th March 2026)	17 x A4
Site Layout Plan showing position of Exploratory Holes and Insitu Tests **Figure L1**	1 x A3
Classed Plot of Peat Thickness Overlaid On Background Plot *(Peat Landslide Hazard Screening)* **Figure D1 (Stage 2 - Updated)**	1 x A3
Contoured Plot of Peat Thickness Overlaid on Background Plot **Figure D2 (Stage 2 - Updated)**	1 x A3
Contoured Plot of Ground Elevation Overlaid on Background Plot **Figure D3 (Stage 2 - Updated)**	1 x A3
Contoured Plot of Ground Slope Gradient Overlaid on Background Plot **Figure D4 (Stage 2 - Updated)**	1 x A3
Classed Plot of Peat Decomposition Classification Overlaid On Background Plot *(Peat Landslide Hazard Screening)* **Figure D5 (Stage 2)**	1 x A3
Classed Plot of Min. Measured Peat Shear Strength Overlaid On Background Plot *(Peat Landslide Hazard Screening)* **Figure D6 (Stage 2)**	1 x A3



P1 - General Location Plan



P2 – Wind Farm Layout Plan

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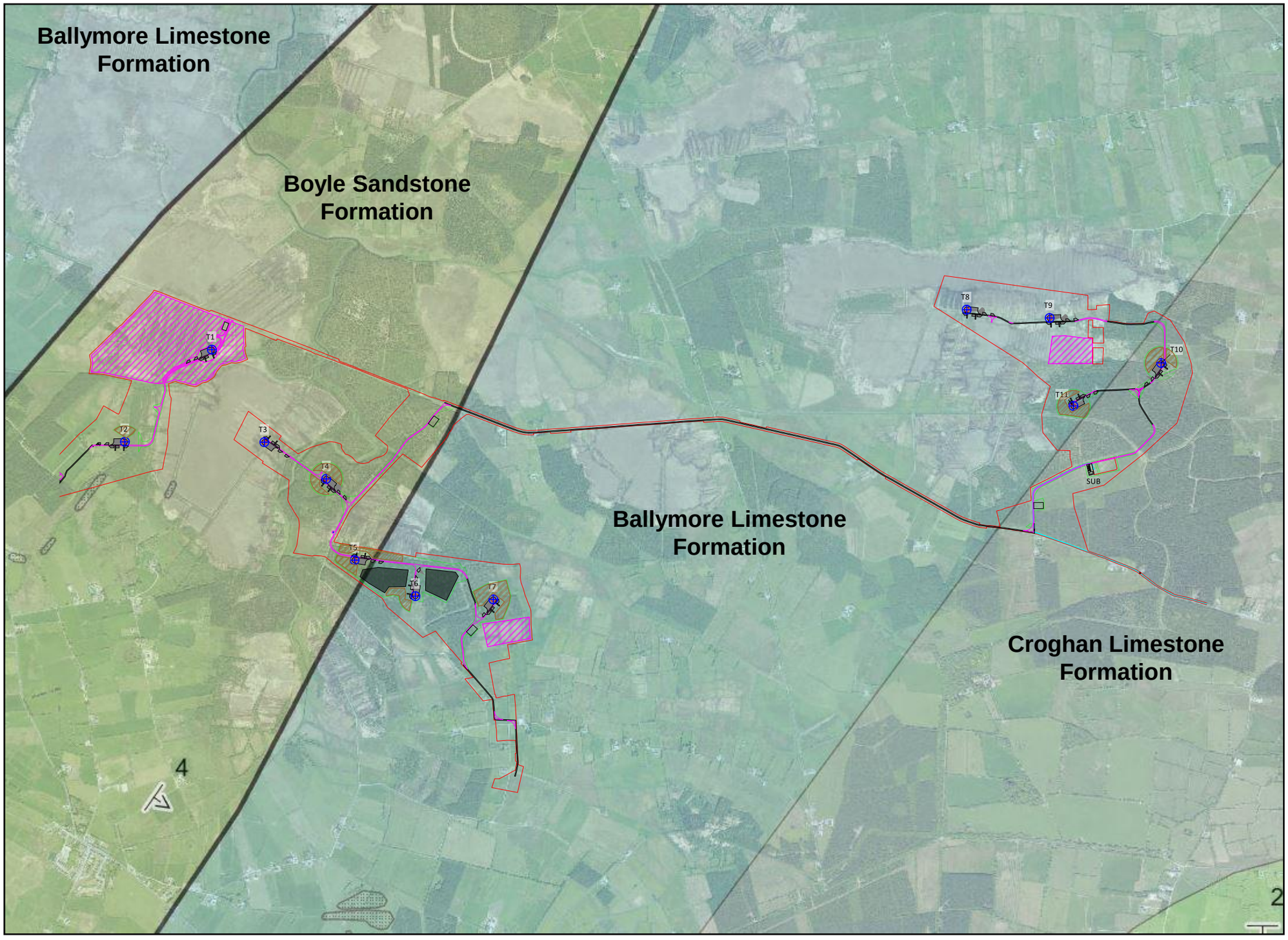
Soils and Geology Assessment

GSI – Solid Geology



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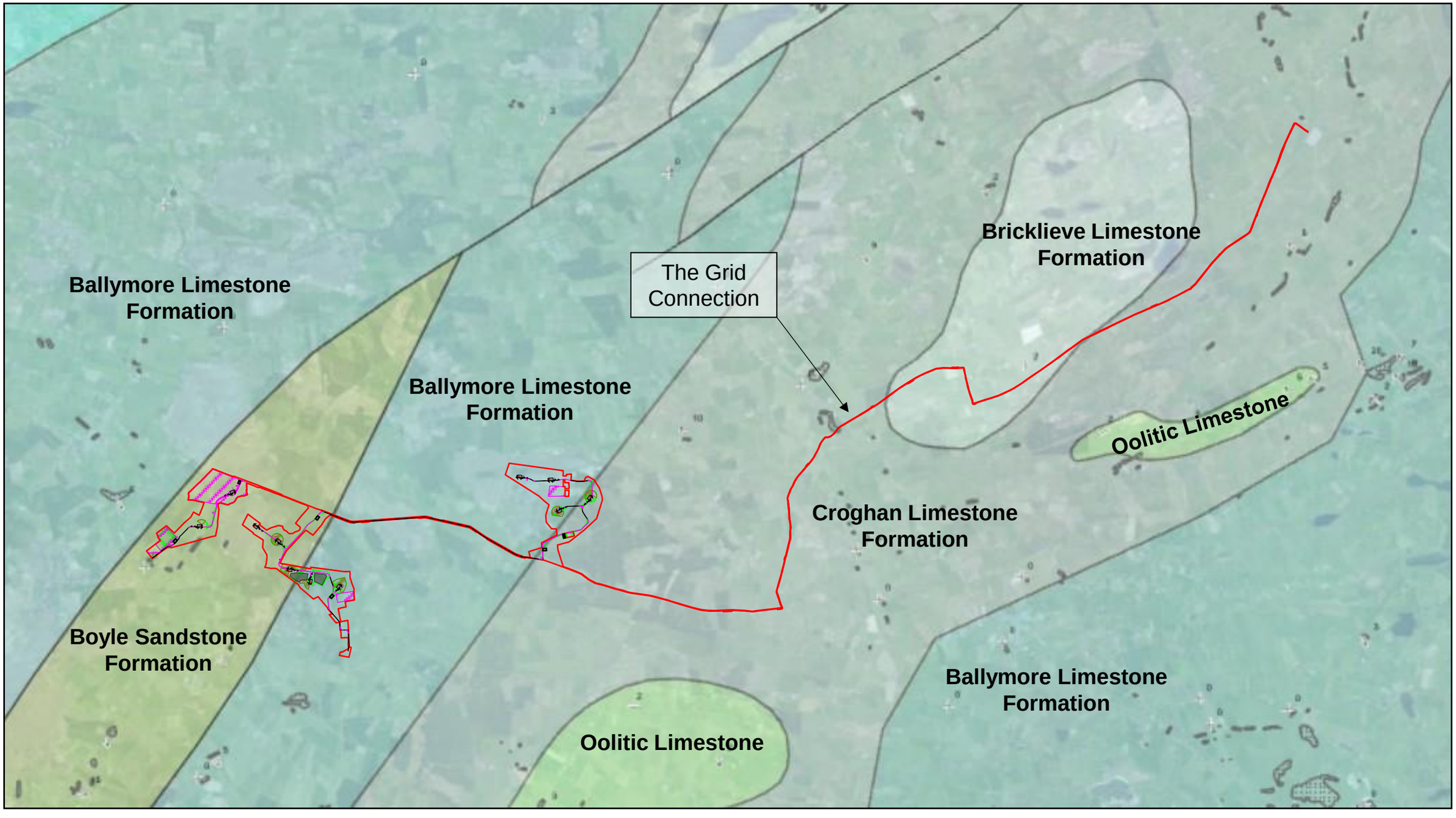

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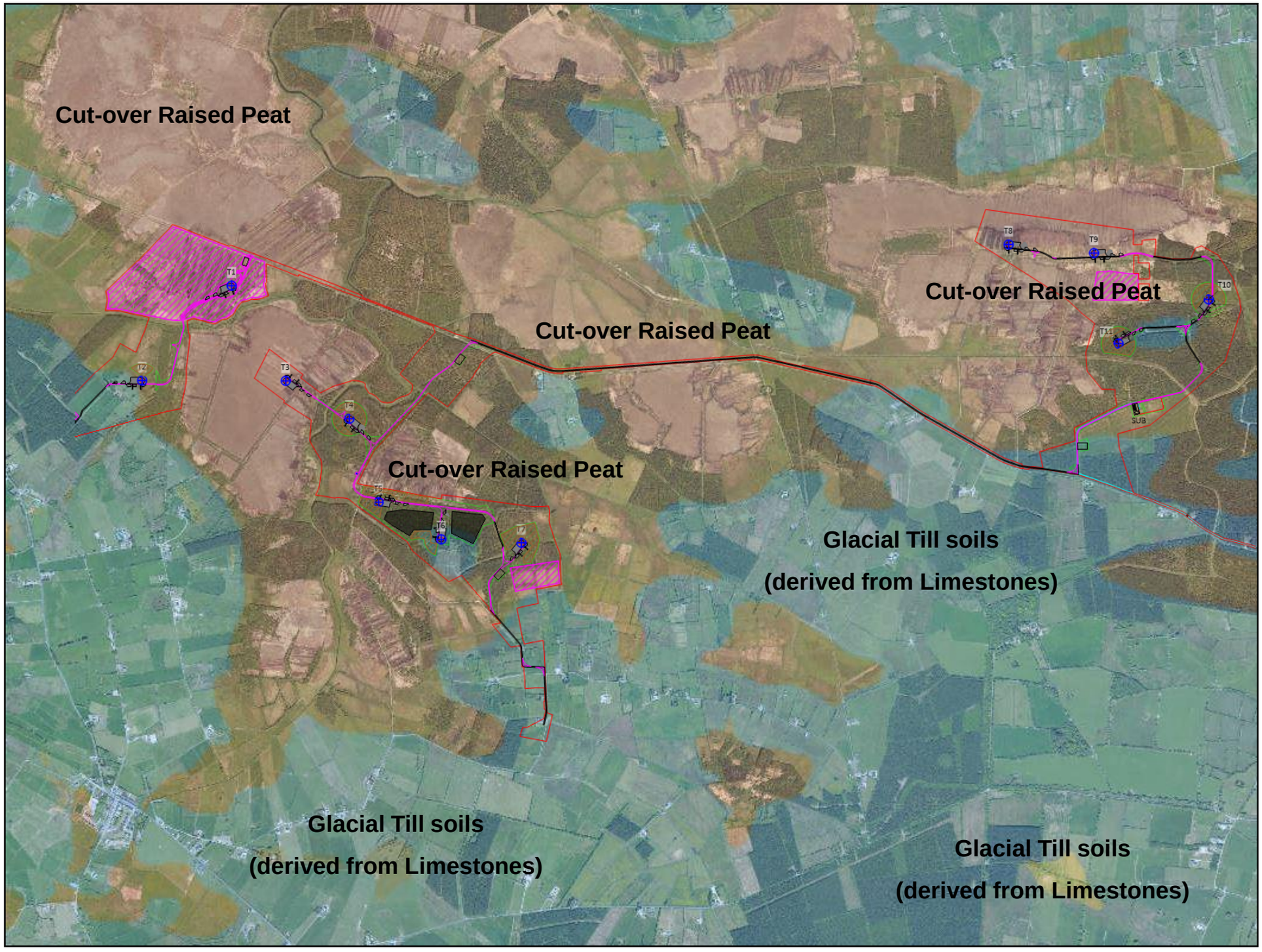
GSI – Superficial Geology



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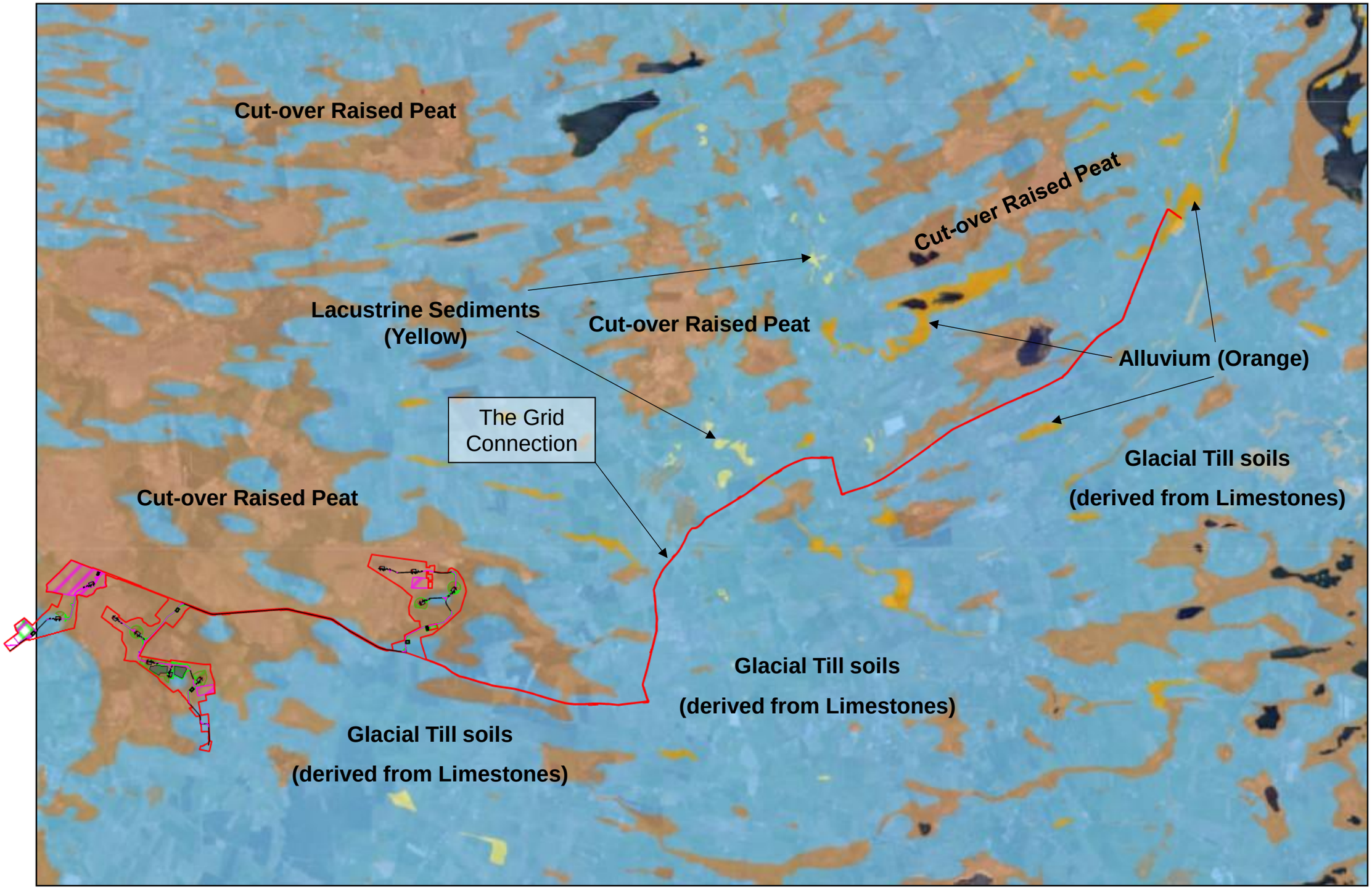

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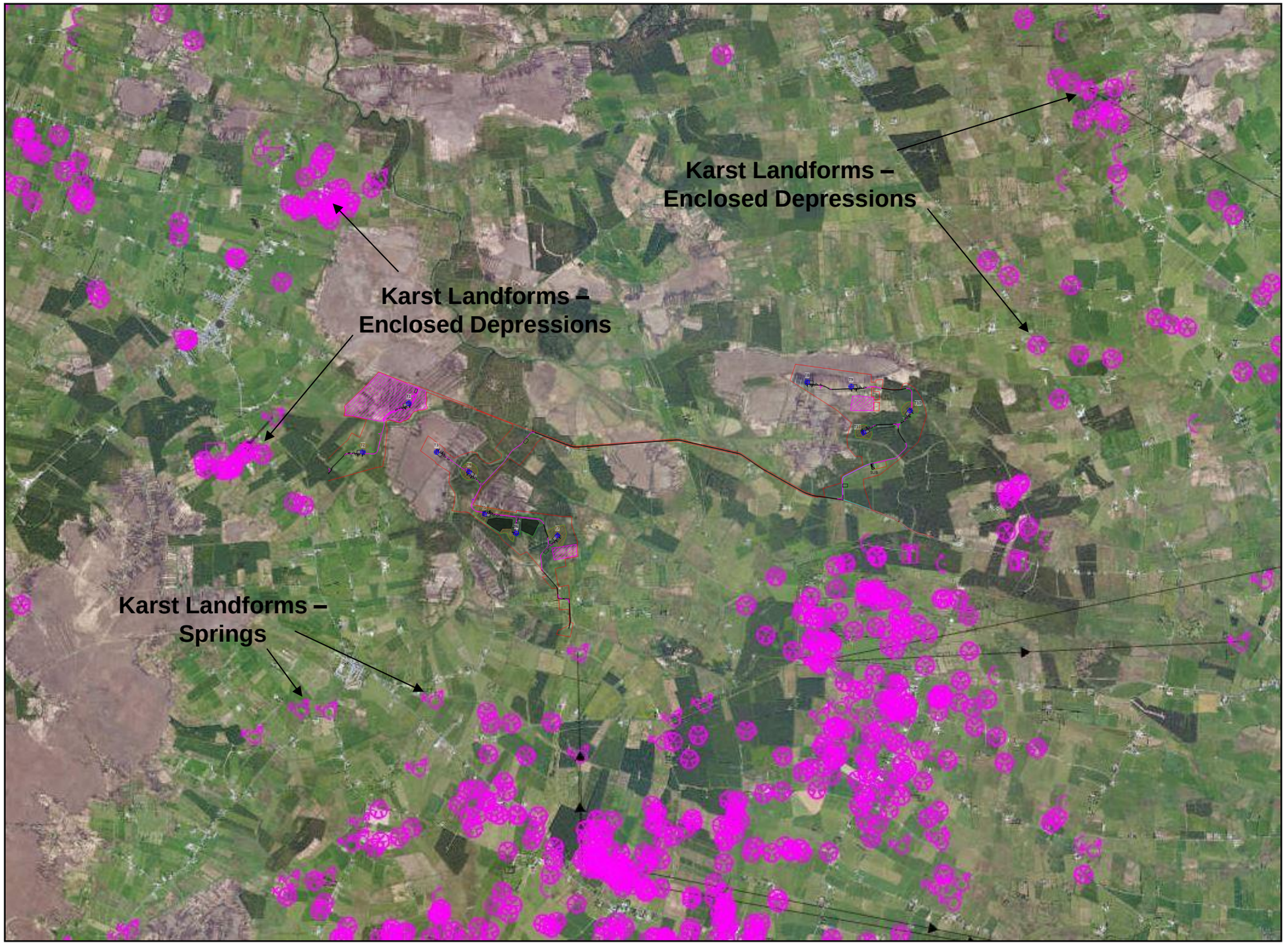

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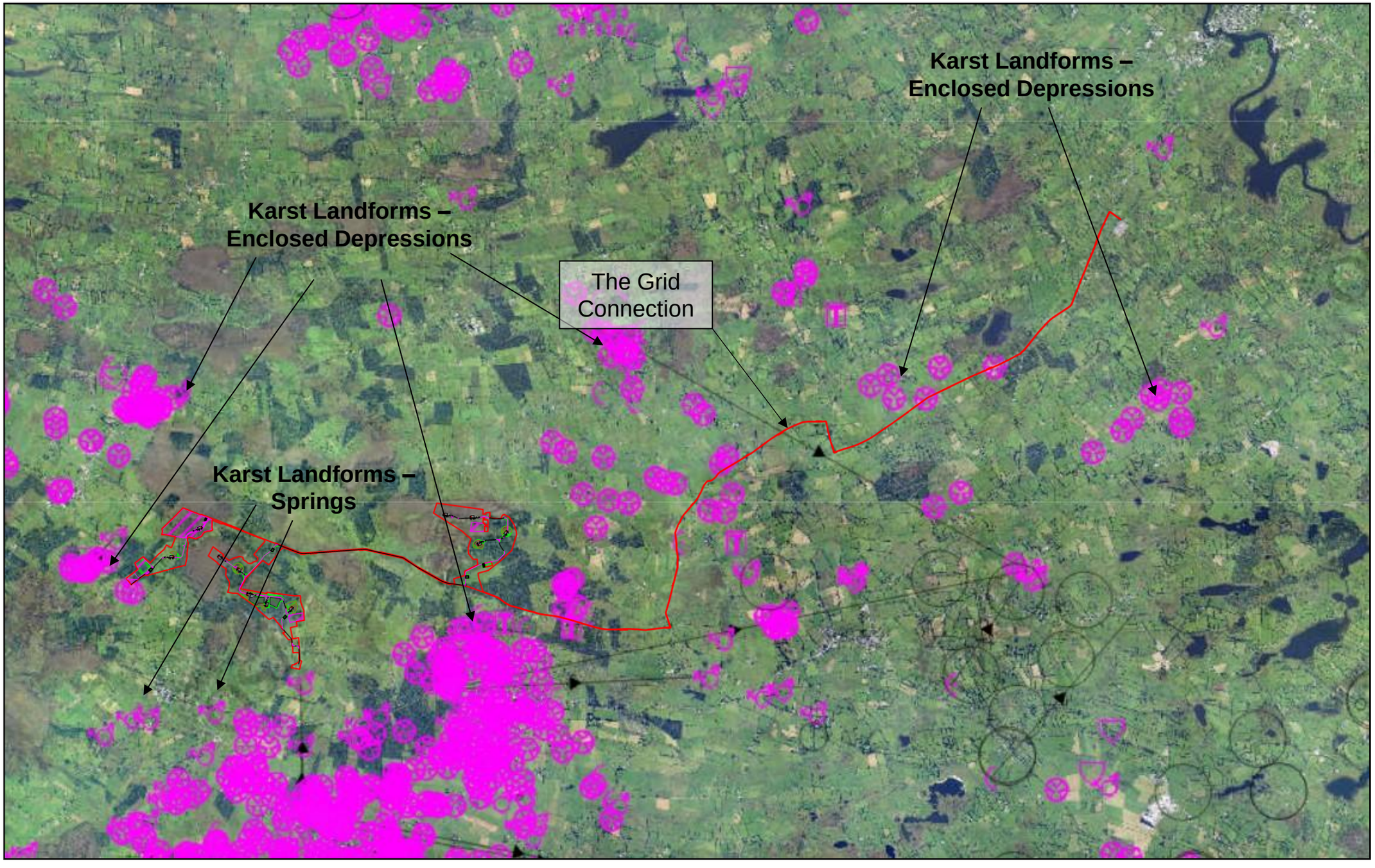
GSI – Groundwater Features, Karst Features, Springs and Abstraction Points



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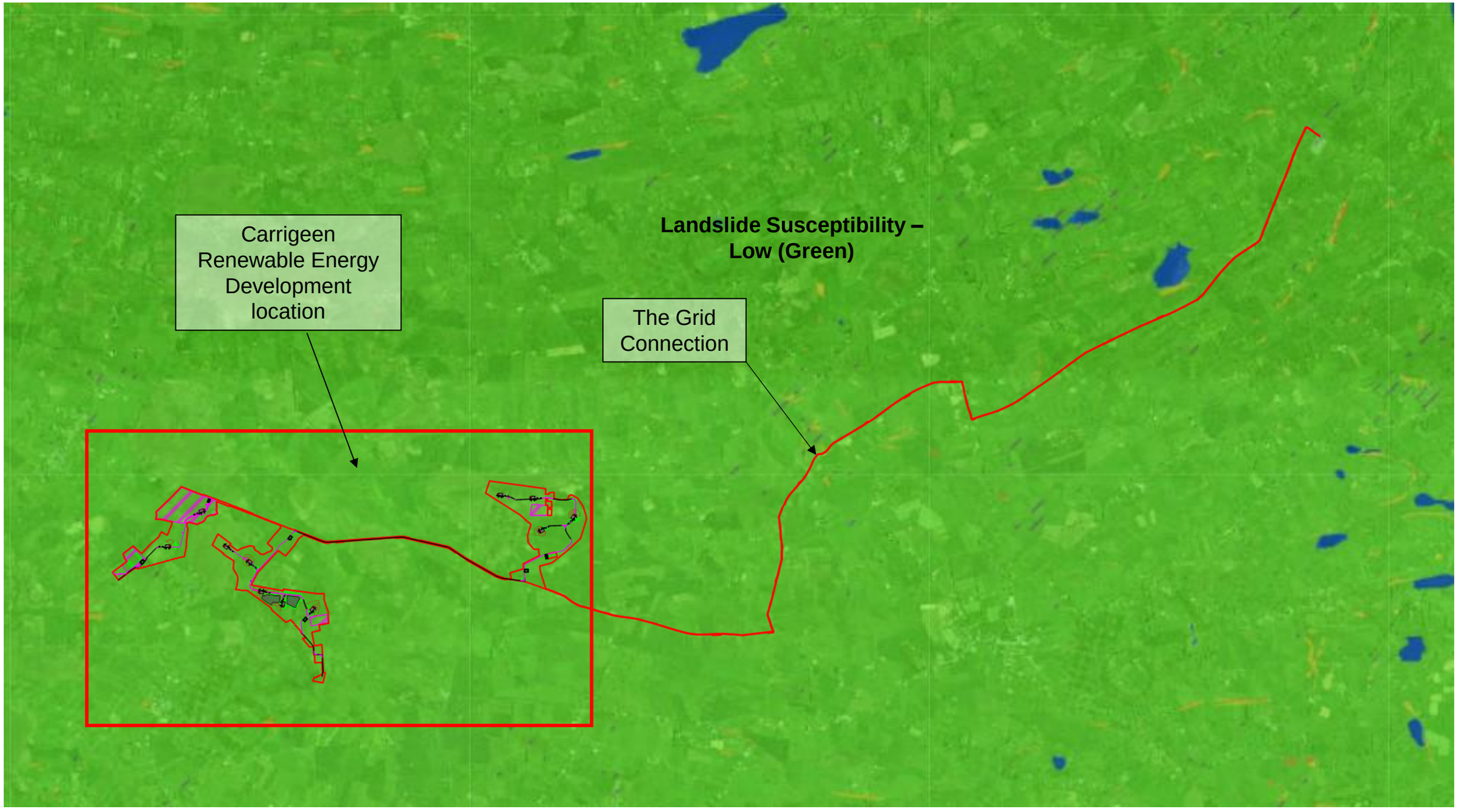
GSI – Landslide Susceptibility



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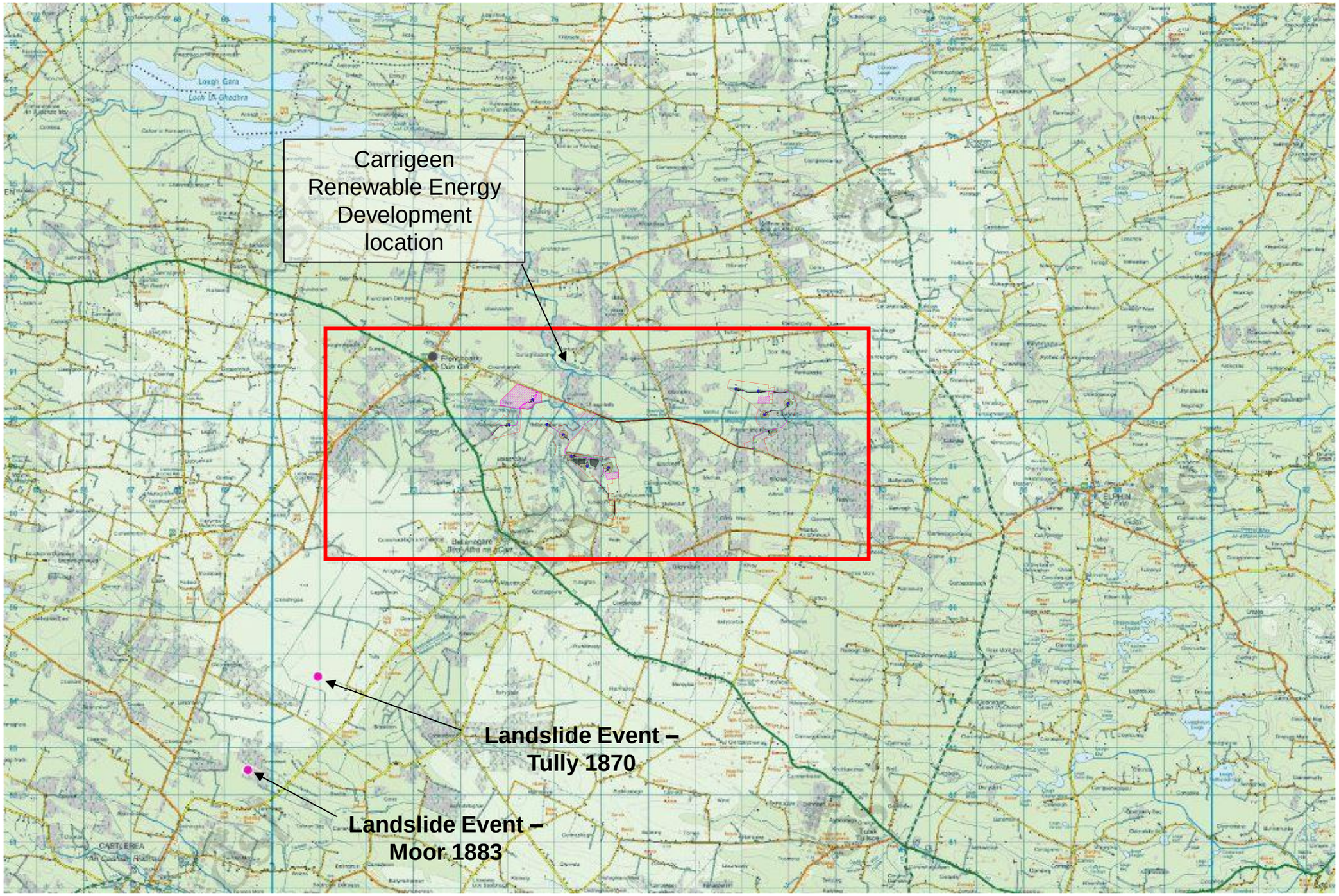
GSI – Recorded Landslide Events



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Geological Survey of Ireland Online Mapping Database
Recorded Landslide Events

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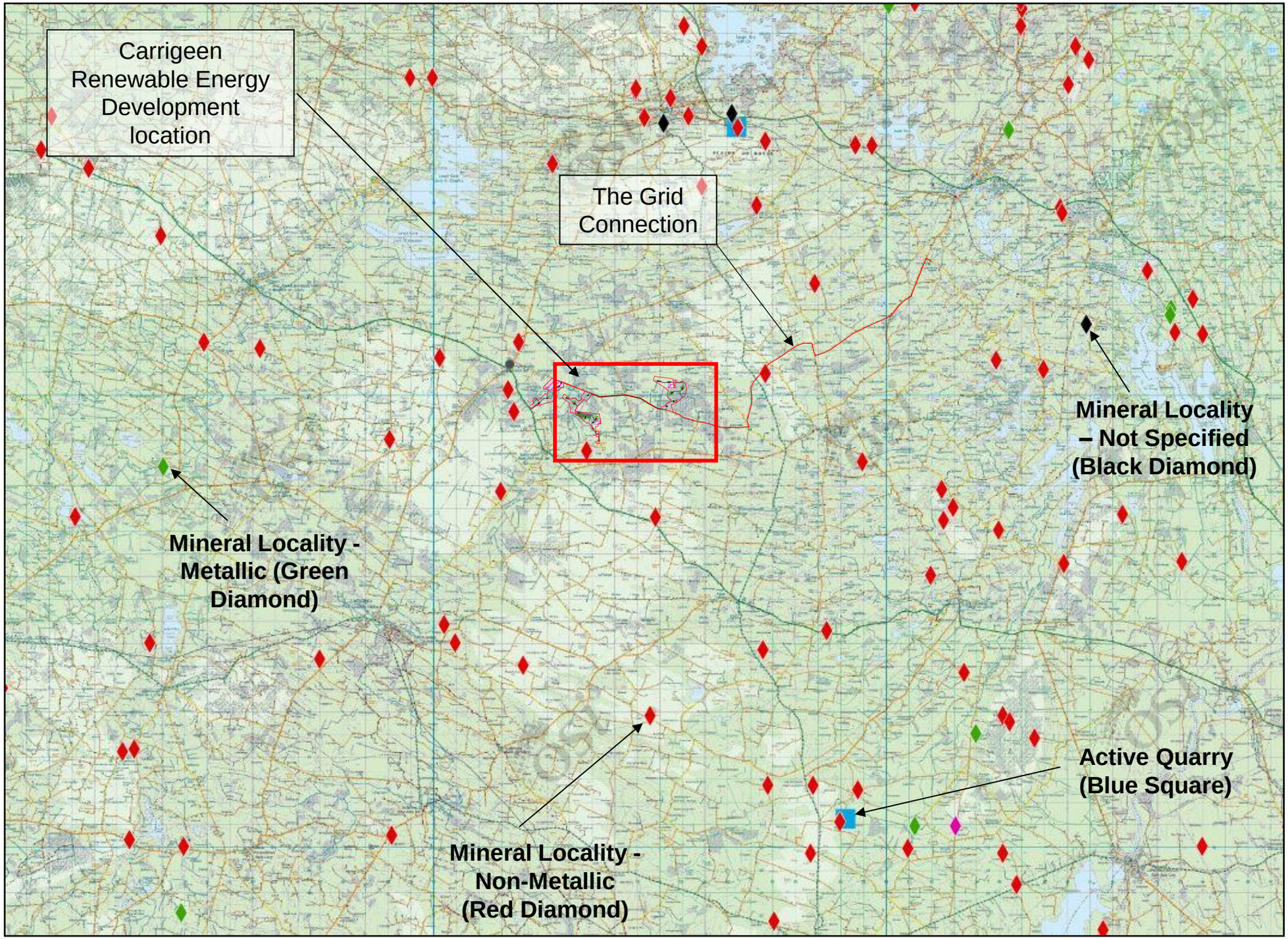
Soils and Geology Assessment

GSI – Active Quarries and Mineral Occurrences



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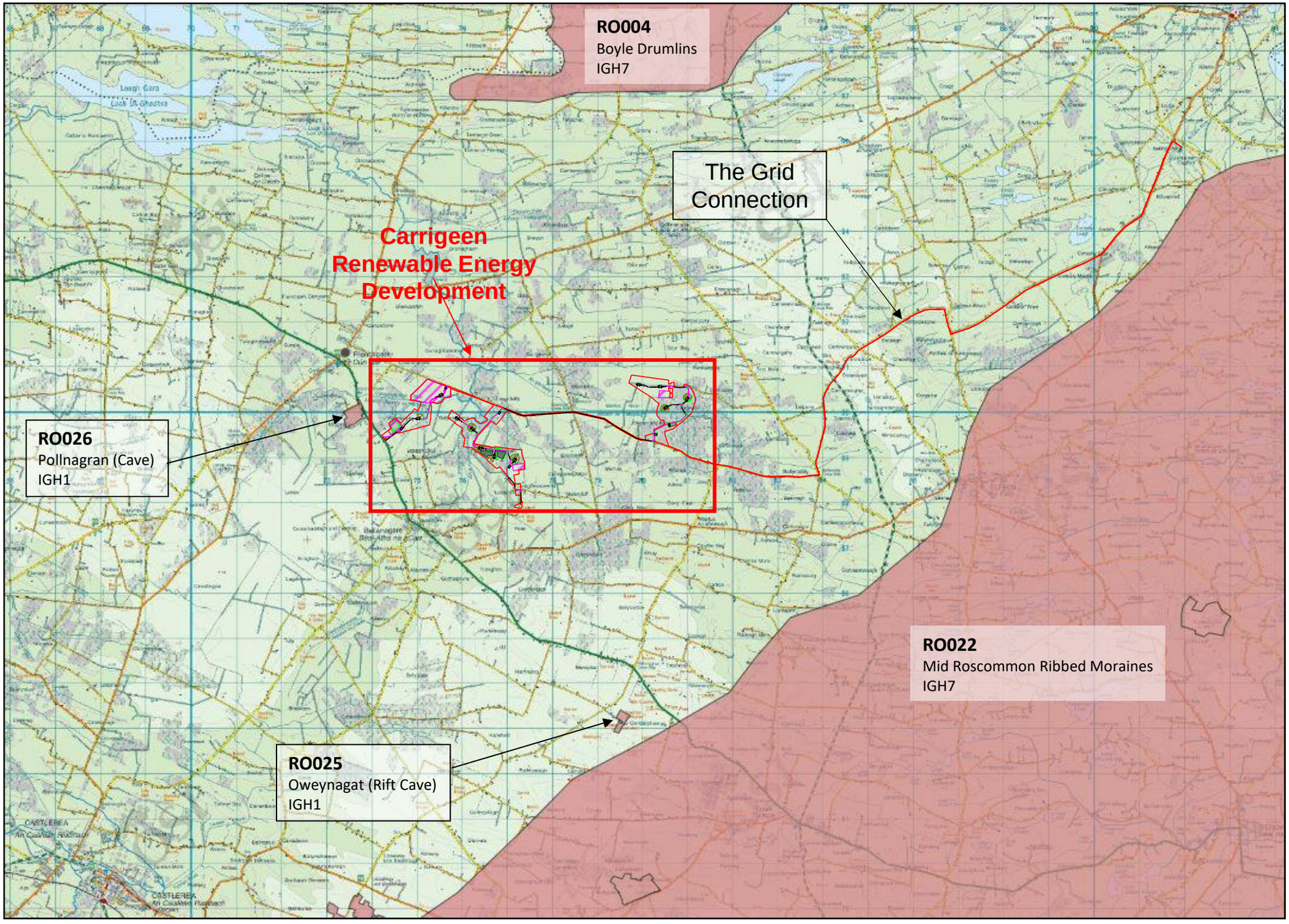
GSI – Geological Audited and Un-audited Sites



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Geological Survey of Ireland Online Mapping Database
Geological Audited and Un-audited Sites

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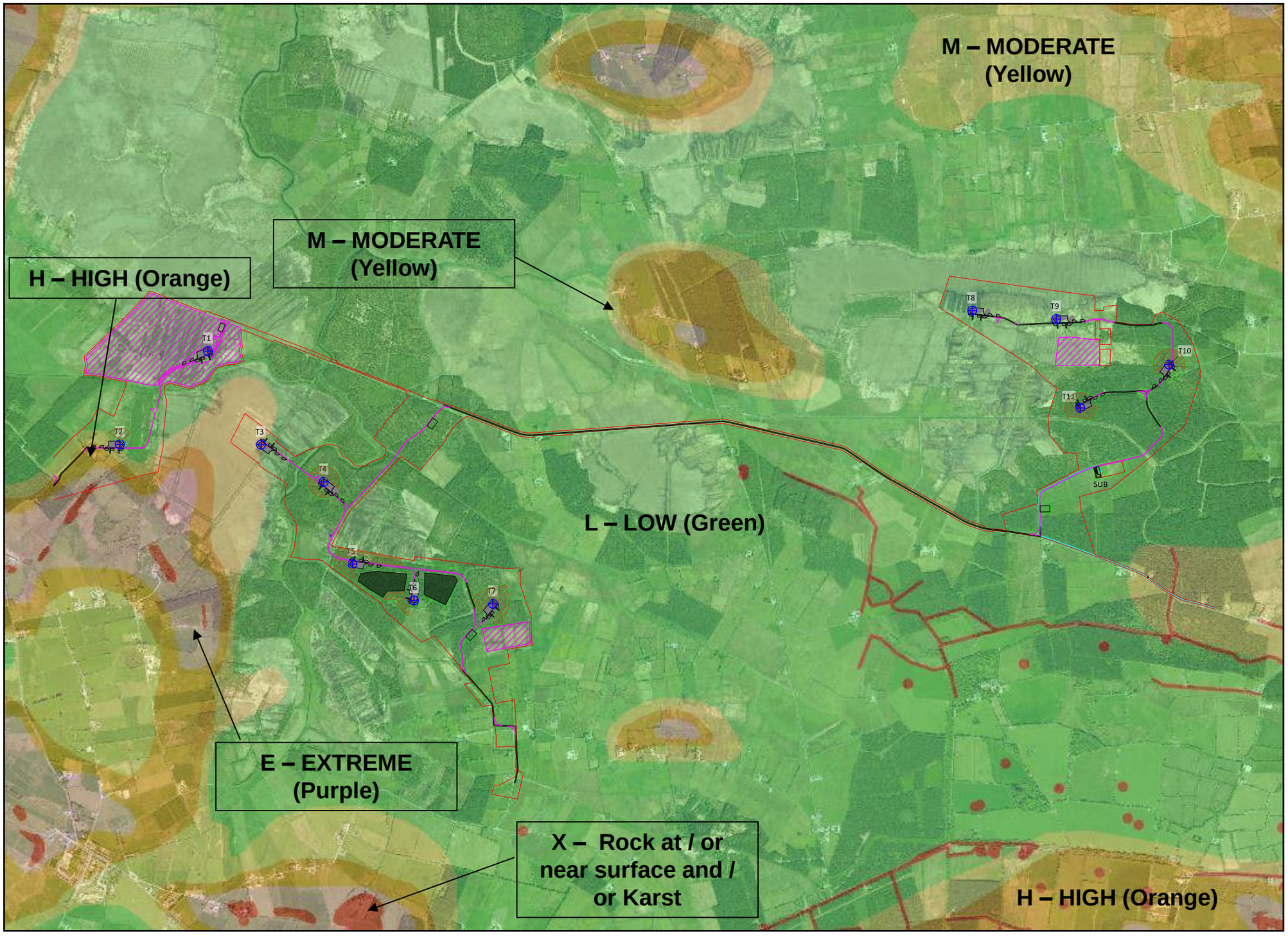
GSI – Groundwater Vulnerability



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Geological Survey of Ireland Online Mapping Database Groundwater Vulnerability

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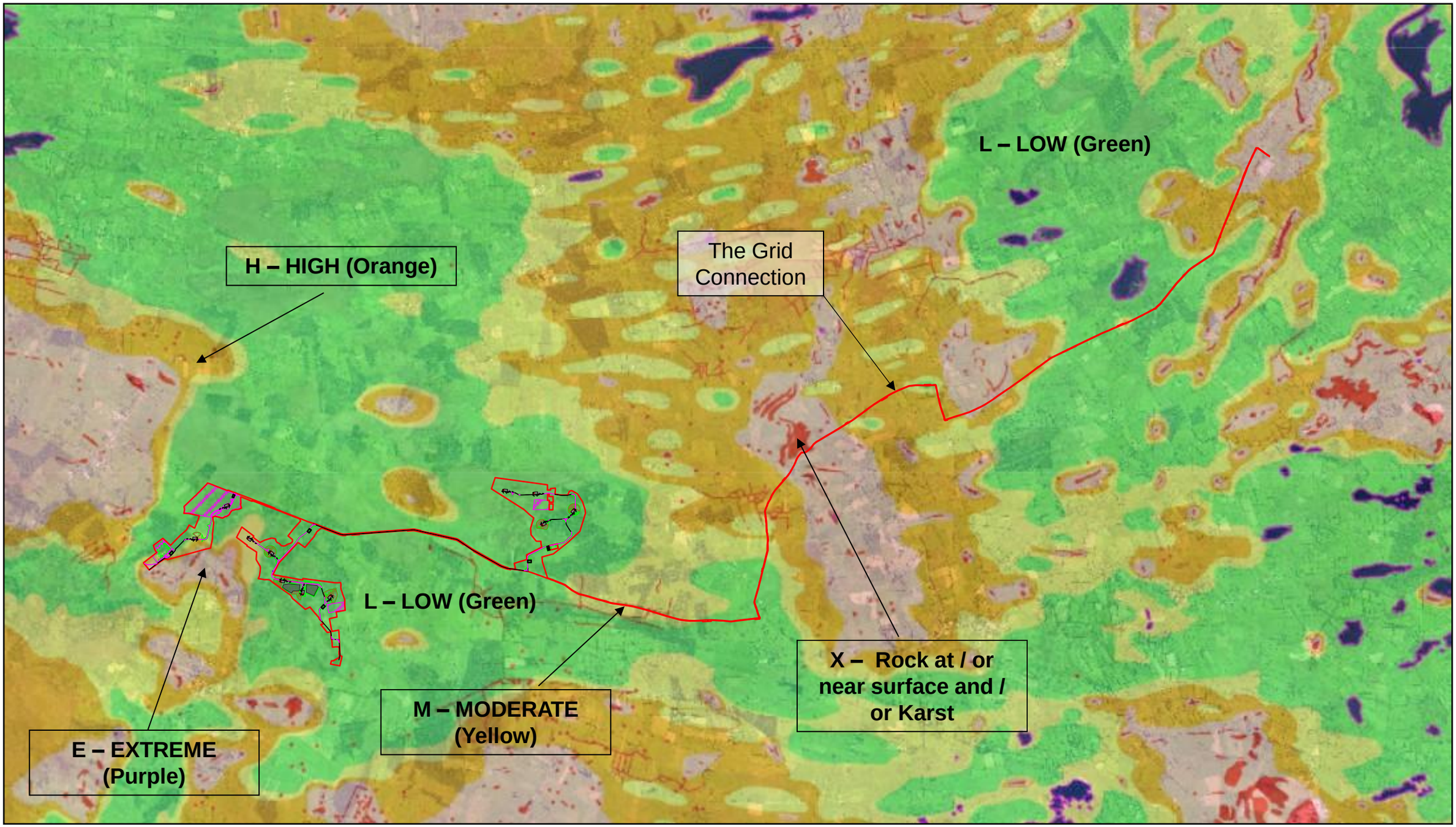
Soils and Geology Assessment

GSI – Groundwater Vulnerability



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Geological Survey of Ireland Online Mapping Database Groundwater Vulnerability

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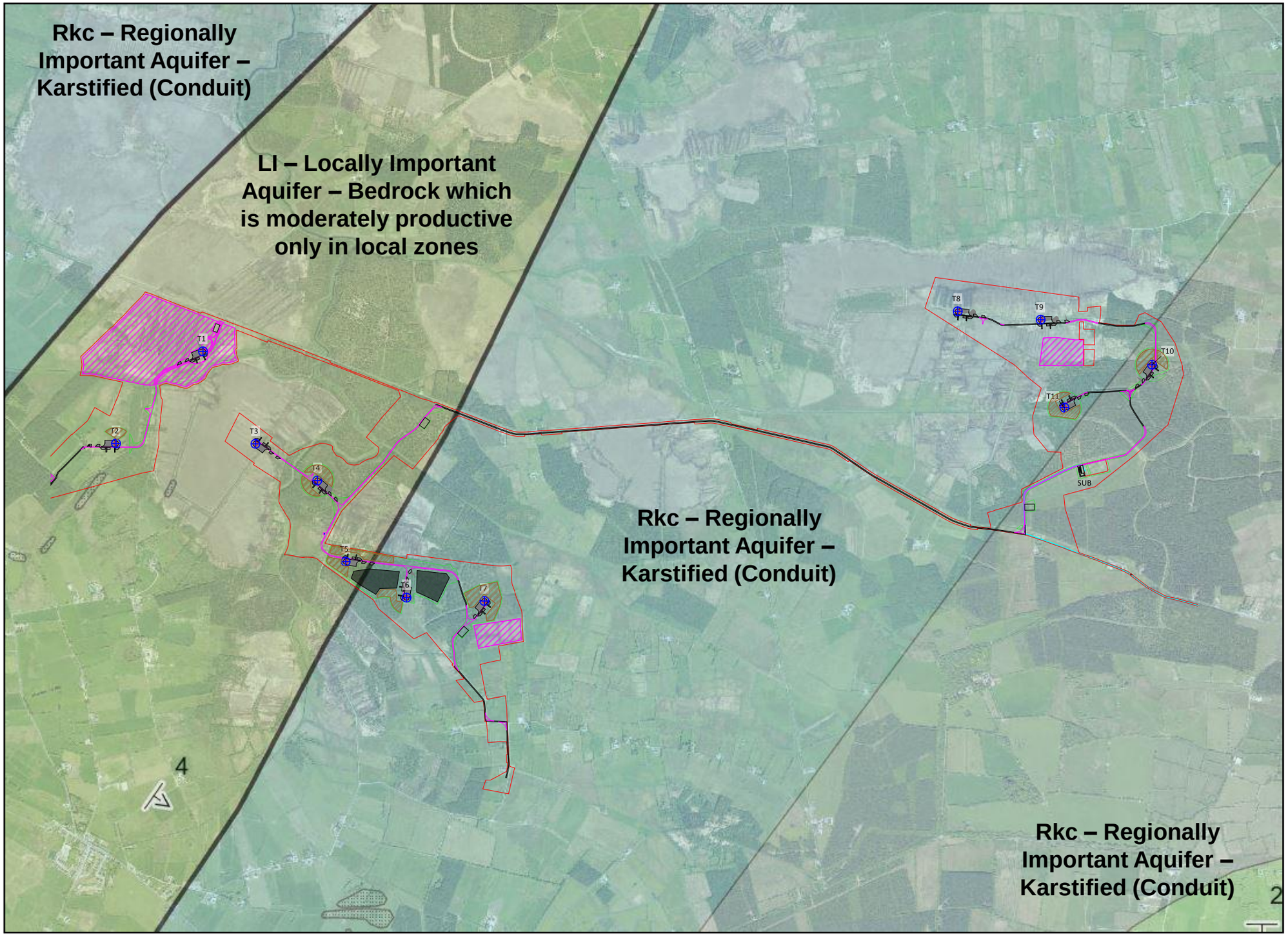
Soils and Geology Assessment

GSI – Groundwater Resources / Bedrock Aquifer Potential



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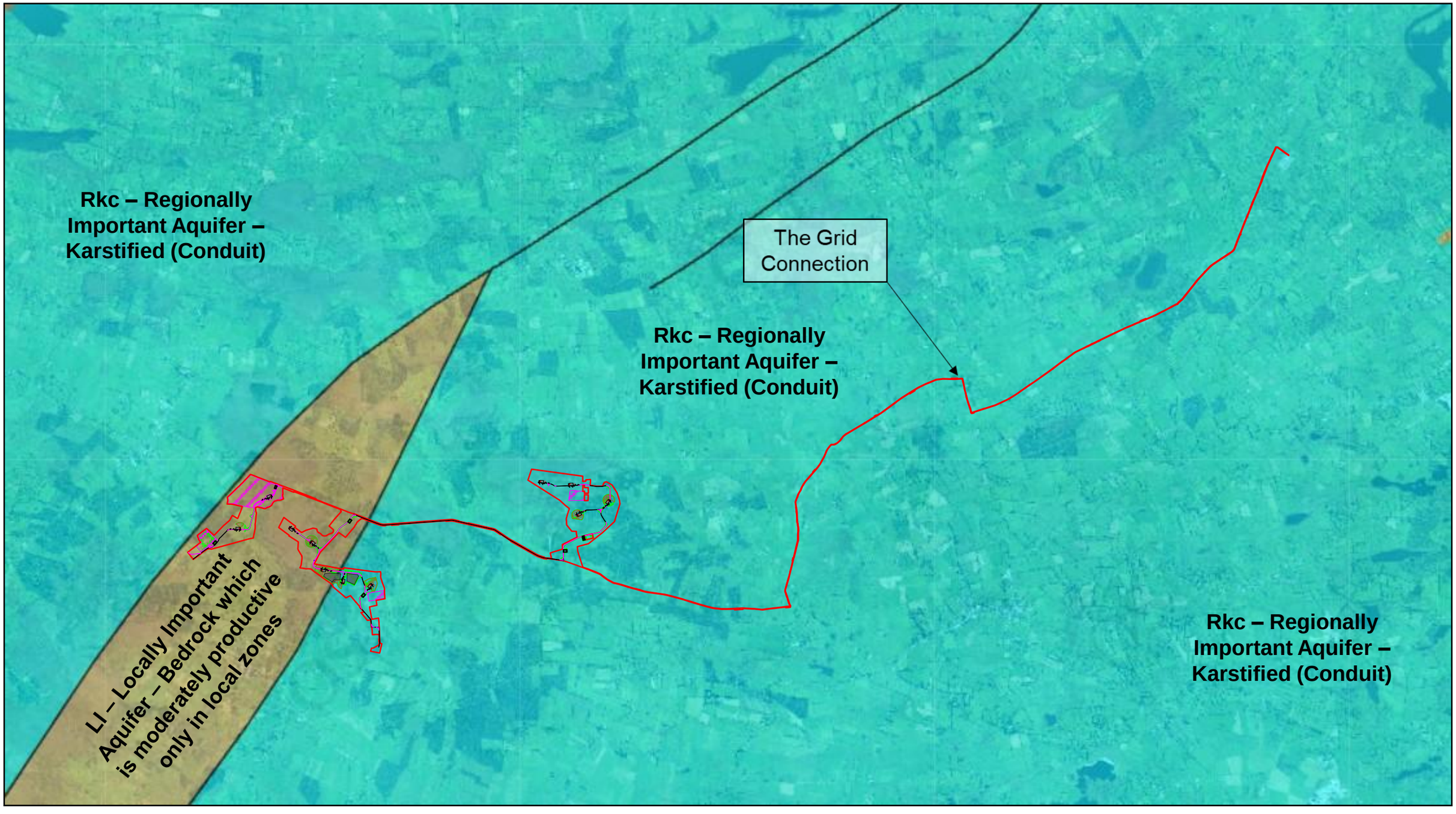
GSI – Groundwater Resources / Bedrock Aquifer Potential



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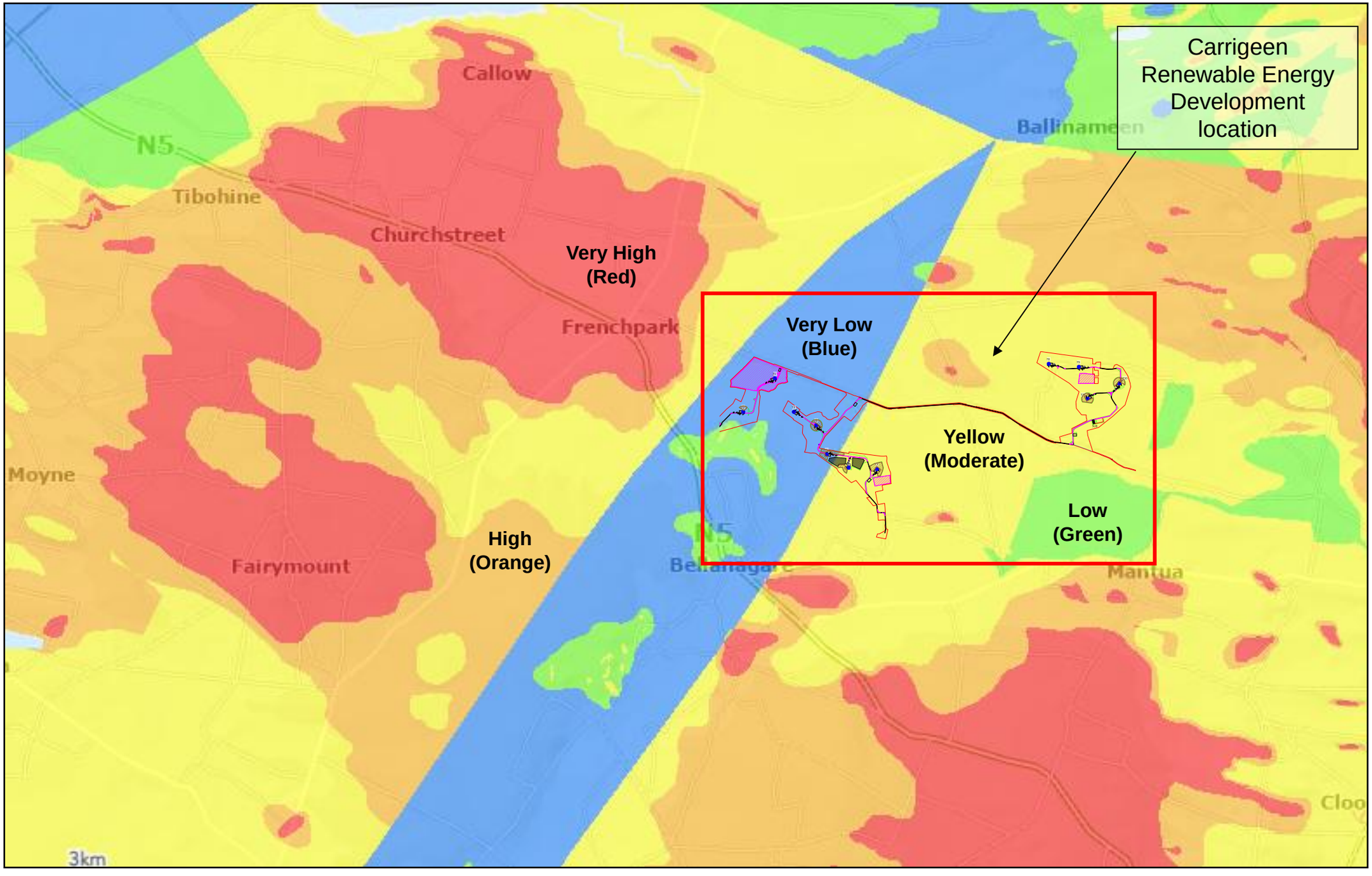
Soils and Geology Assessment

GSI – Bedrock Aggregate Potential



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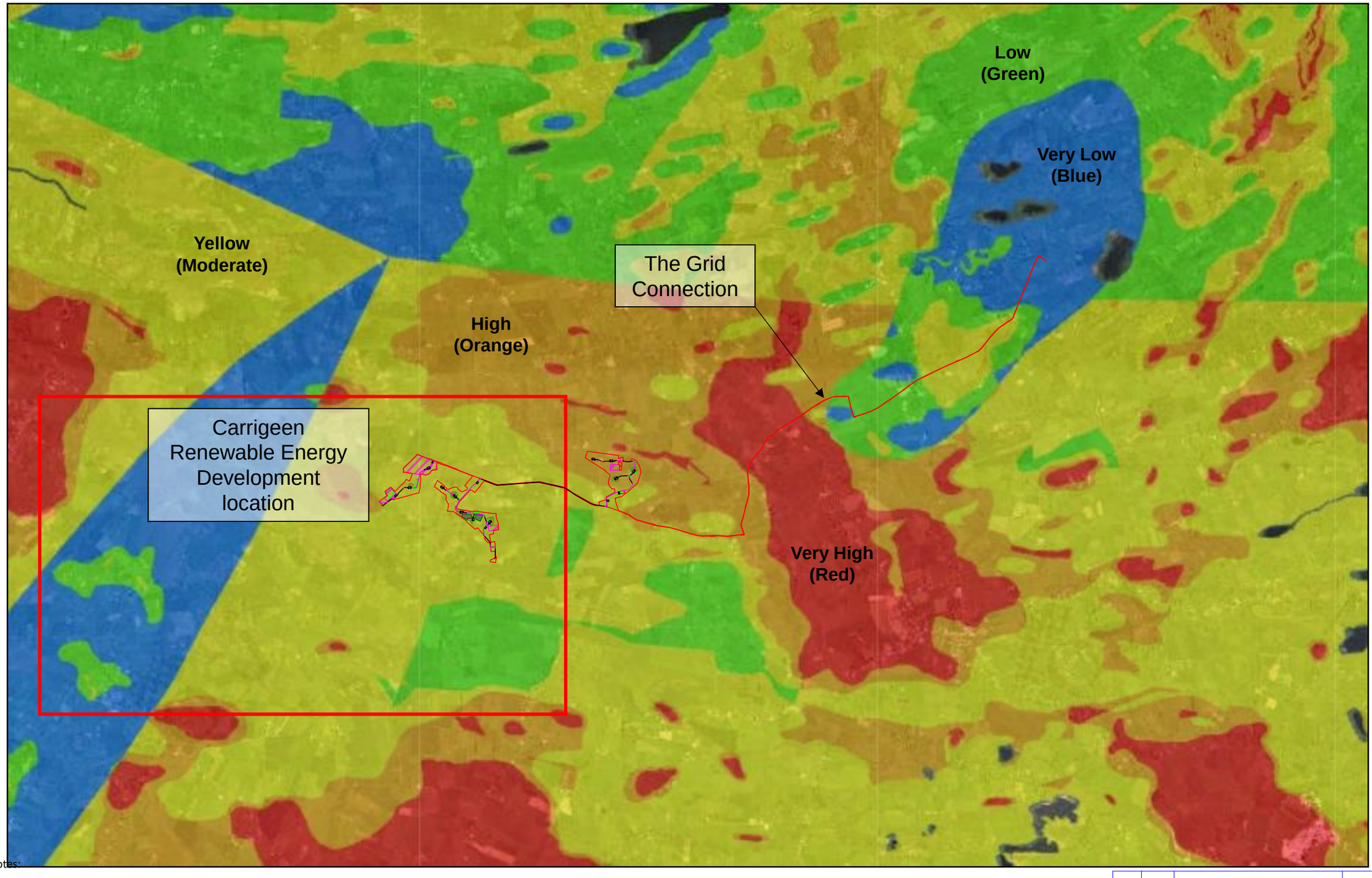
GSI – Bedrock Aggregate Potential



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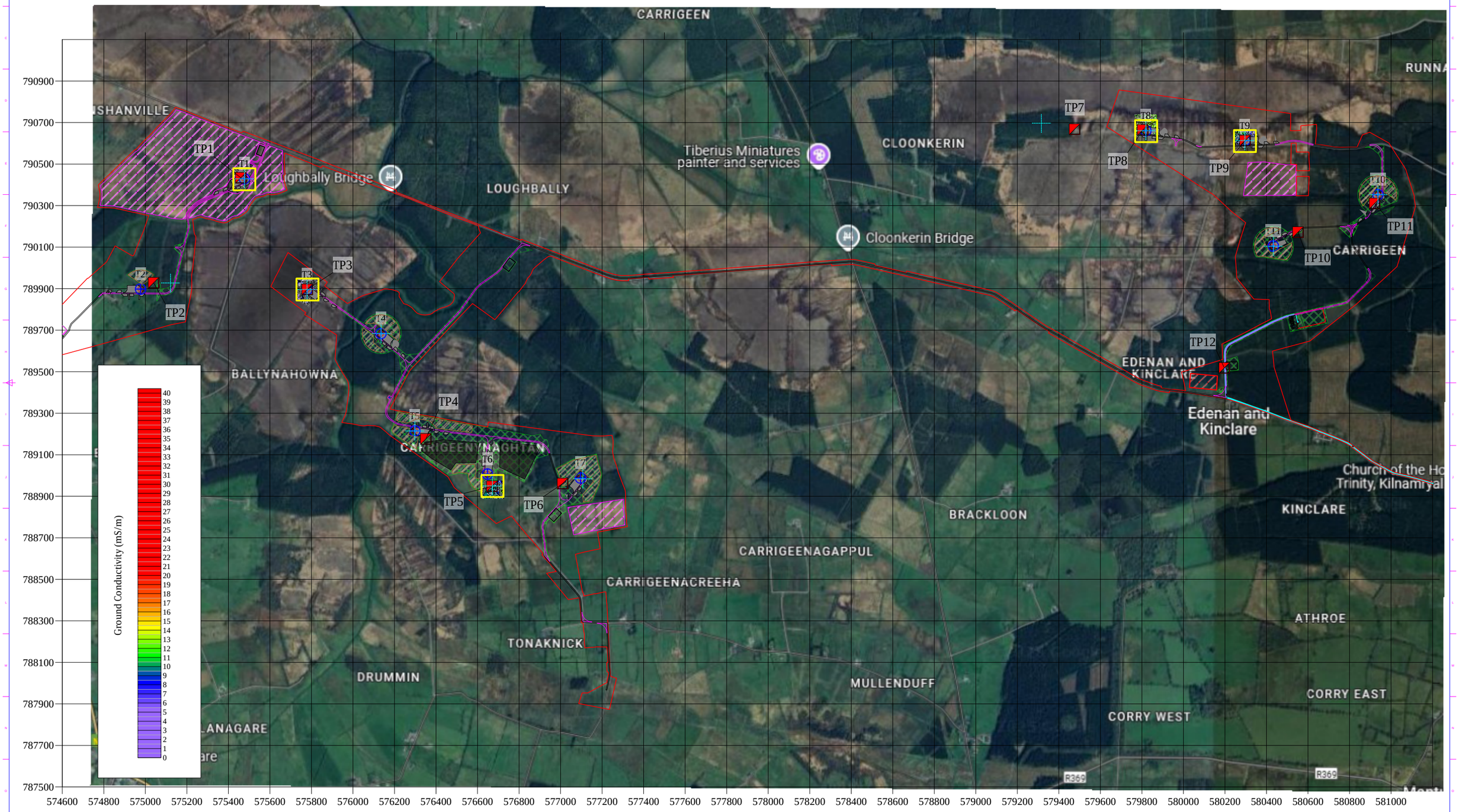
2278-24 Carrigeen Wind Farm - Soils and Geology Assessment

Turbine Layout: Dated 11-02-2026

As Built Geophysical Surveys Layout Plan Including Annotated Electromagnetic Conductivity Survey



Target Areas for Soils and Geology Assessment

Layout - 11/03/2026

T01 Proposed Wind Turbine

Proposed New Track

Existing Track / Road *(to be upgraded)*

Main SI Works

TP1 As-Built Trial Hole Location

EM Survey Area at Turbine

ERT Survey Profiles at Turbine

11th March 2026

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Carrigeen Renewable Energy Development

Main SI Geophysical Surveys (incl. EM Survey Annotated Plots)

Edition 7

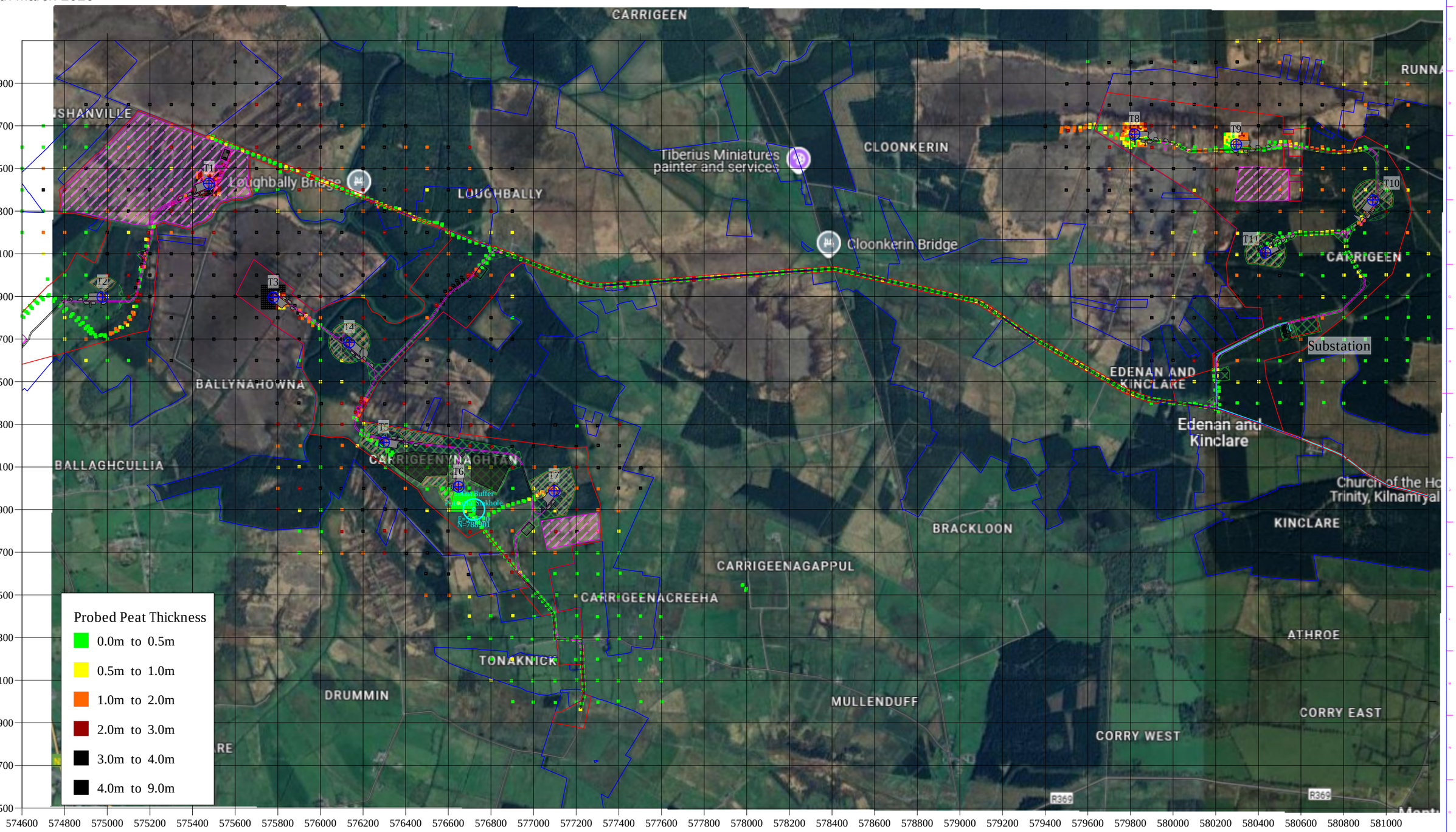
Sheet A3

2278-24 Carrigeen Renewable Energy Development - Soils and Geology Assessment

Turbine Layout: Dated 11-02-2026

Peat Landslide Hazard Assessment Works - Contoured Peat Thickness Plot

10th March 2026



KEY

Red-line Boundary

T01 Proposed Wind Turbine

Proposed New Track

Existing Track / Road *(to be upgraded)*

Designed by	Checked by	Approved by - date	Drawing No.	Date	Scale
JW	JW	JM 10/03/2026	2278-24 D1	10/03/2026	1 : 6,000

Whiteford Geoservices Ltd
Straid House
2 Main Street, Straid,
BALLYCLARE, Co. Antrim,
UK BT39 9 NE

Carrigeen Renewable Energy Development - PLHA

Post Plot of Probed Peat Thickness

Edition 7

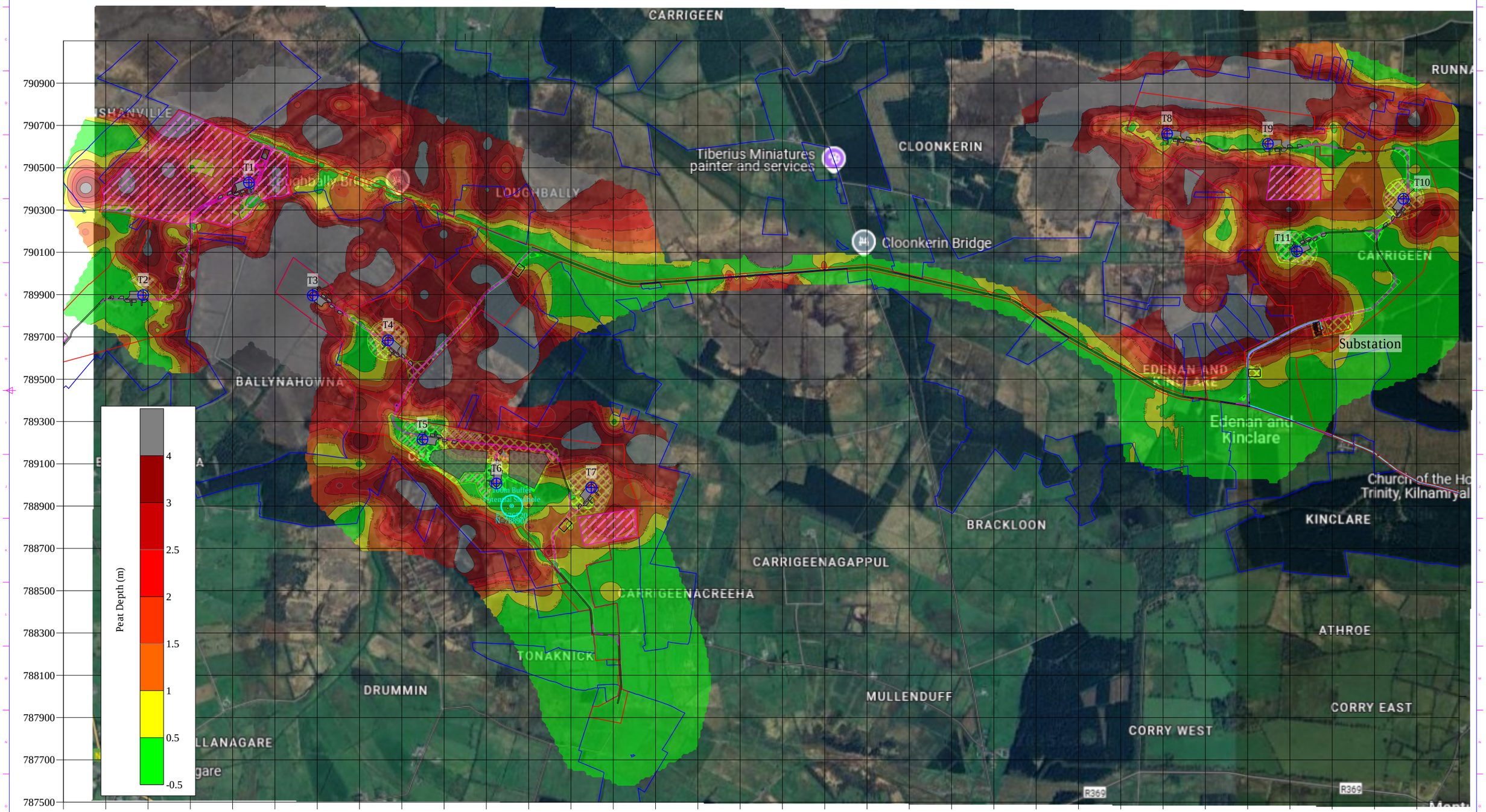
Sheet A3

2278-24 Carrigeen Renewable Energy Development - Soils and Geology Assessment

Turbine Layout: Dated 11-02-2026

Peat Landslide Hazard Assessment Works - Contoured Peat Thickness Plot

10th March 2026



KEY

Red-line Boundary

T01 Proposed Wind Turbine

Proposed New Track

Existing Track / Road *(to be upgraded)*

Designed by	Checked by	Approved by - date	Drawing No.	Date	Scale
JW	JW	JM 10/03/2026	2278-24 D2	10/03/2026	1 : 17,500

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BALLYCLARE, Co. Antrim,
UK BT39 9 NE

Carrigeen Renewable Energy Development - PLHA

Contoured Plot of Probed Peat Thickness

Edition 7

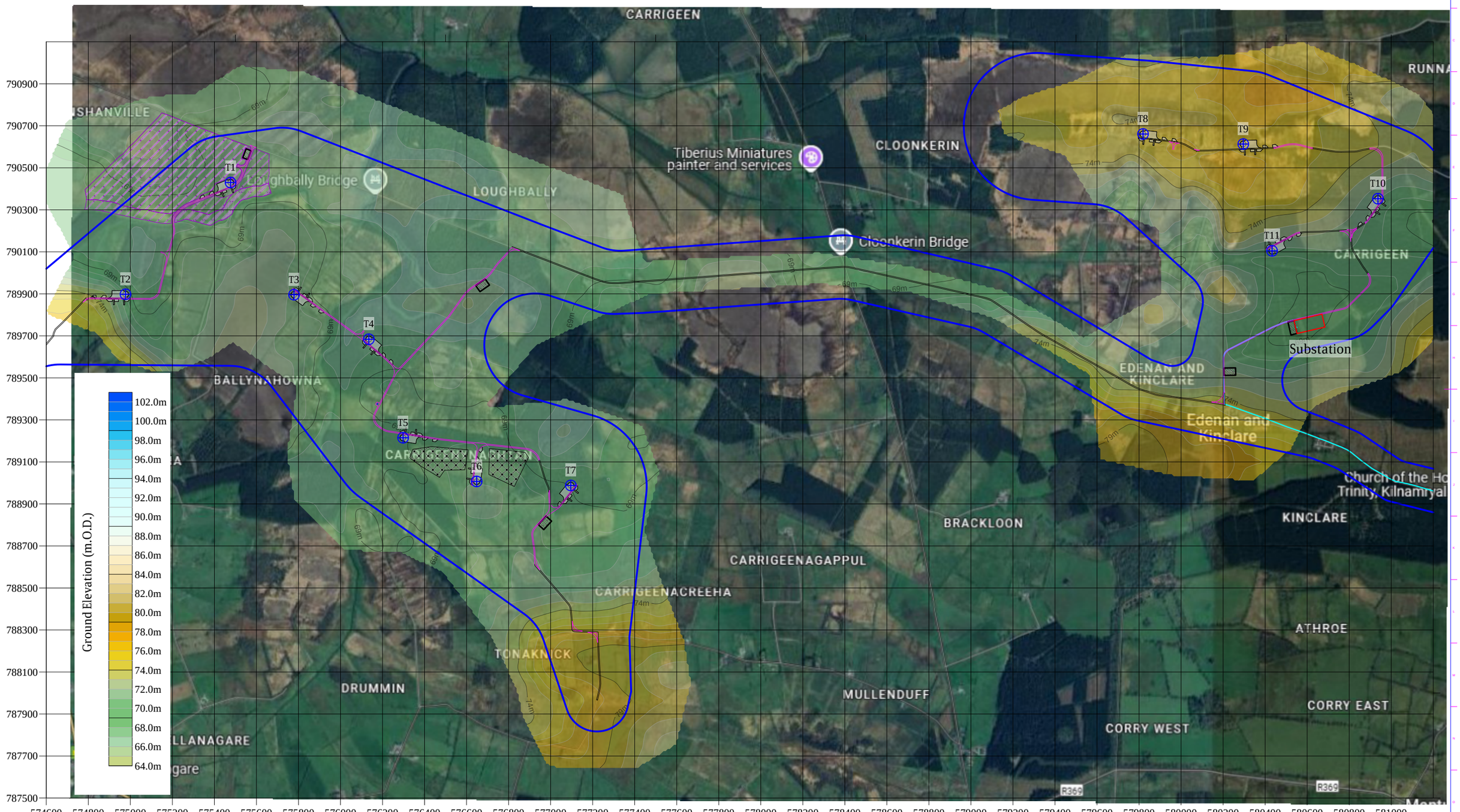
Sheet A3

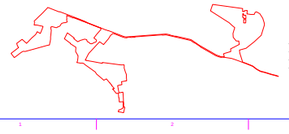
2278-24 Carrigeen Renewable Energy Development - Soils and Geology Assessment

Turbine Layout: Dated 11-02-2026

Peat Landslide Hazard Assessment Works - Ground Elevations Variation

10th March 2026





Red-line Boundary

KEY

T01 Proposed Wind Turbine

Proposed New Track

Existing Track / Road *(to be upgraded)*

Designed by	Checked by	Approved by - date	Drawing No.	Date	Scale
JR	JW	JM 10/03/2026	2278-24 D3	10/03/2026	1 : 17,500

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BALLYCLARE, Co. Antrim,
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Carrigeen Renewable Energy Development - PLHA

Contoured Plot of Ground Elevations (2m Data)

Edition 7

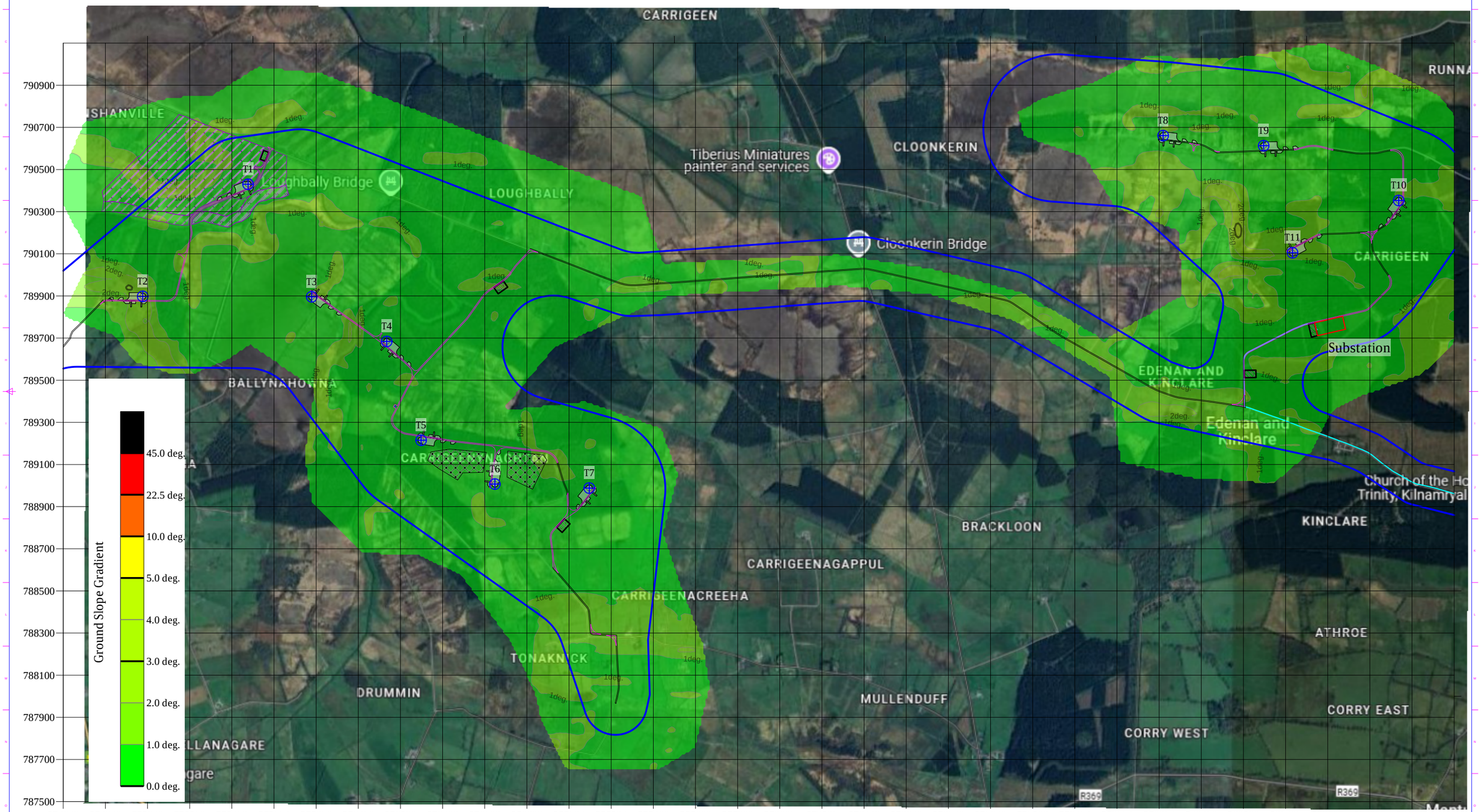
Sheet A3

2278-24 Carrigeen Renewable Energy Development - Soils and Geology Assessment

Turbine Layout: Dated 11-02-2026

Peat Landslide Hazard Assessment Works - Ground Slope Gradient Variation

10th March 2026



KEY

Red-line Boundary

T01 Proposed Wind Turbine

Proposed New Track

Existing Track / Road *(to be upgraded)*

Designed by	Checked by	Approved by - date	Drawing No.	Date	Scale
JR	JW	JM 10/03/2026	2278-24 D4	10/03/2026	1 : 17,500

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UK BT39 9 NE

Carrigeen Renewable Energy Development - PLHA

Contoured Plot of Ground Slopes (2m data)

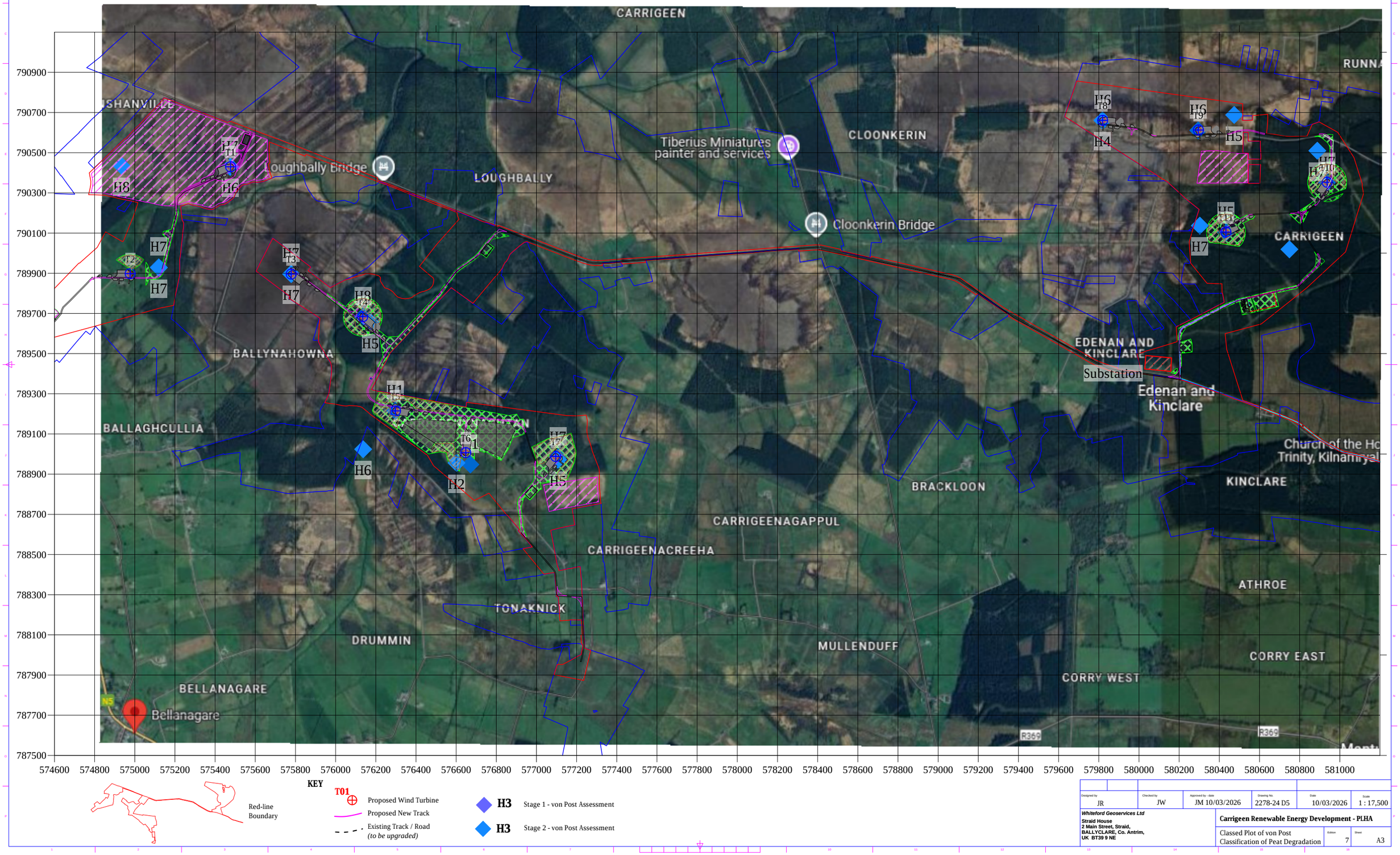
Edition 7 | Sheet A3

2278-24 Carrigeen Renewable Energy Development - Soils and Geology Assessment

Turbine Layout: Dated 11-02-2026

Peat Landslide Hazard Assessment Works - Classed Plot of Peat Degradation Classification

10th March 2026



KEY

Red-line Boundary

T01 Proposed Wind Turbine

Proposed New Track

Existing Track / Road *(to be upgraded)*

H3 Stage 1 - von Post Assessment

H3 Stage 2 - von Post Assessment

Designed by	Checked by	Approved by - date	Drawing No.	Date	Scale
JR	JW	JM 10/03/2026	2278-24 D5	10/03/2026	1 : 17,500

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UK BT39 9 NE

Carrigeen Renewable Energy Development - PLHA

Classed Plot of von Post Classification of Peat Degradation

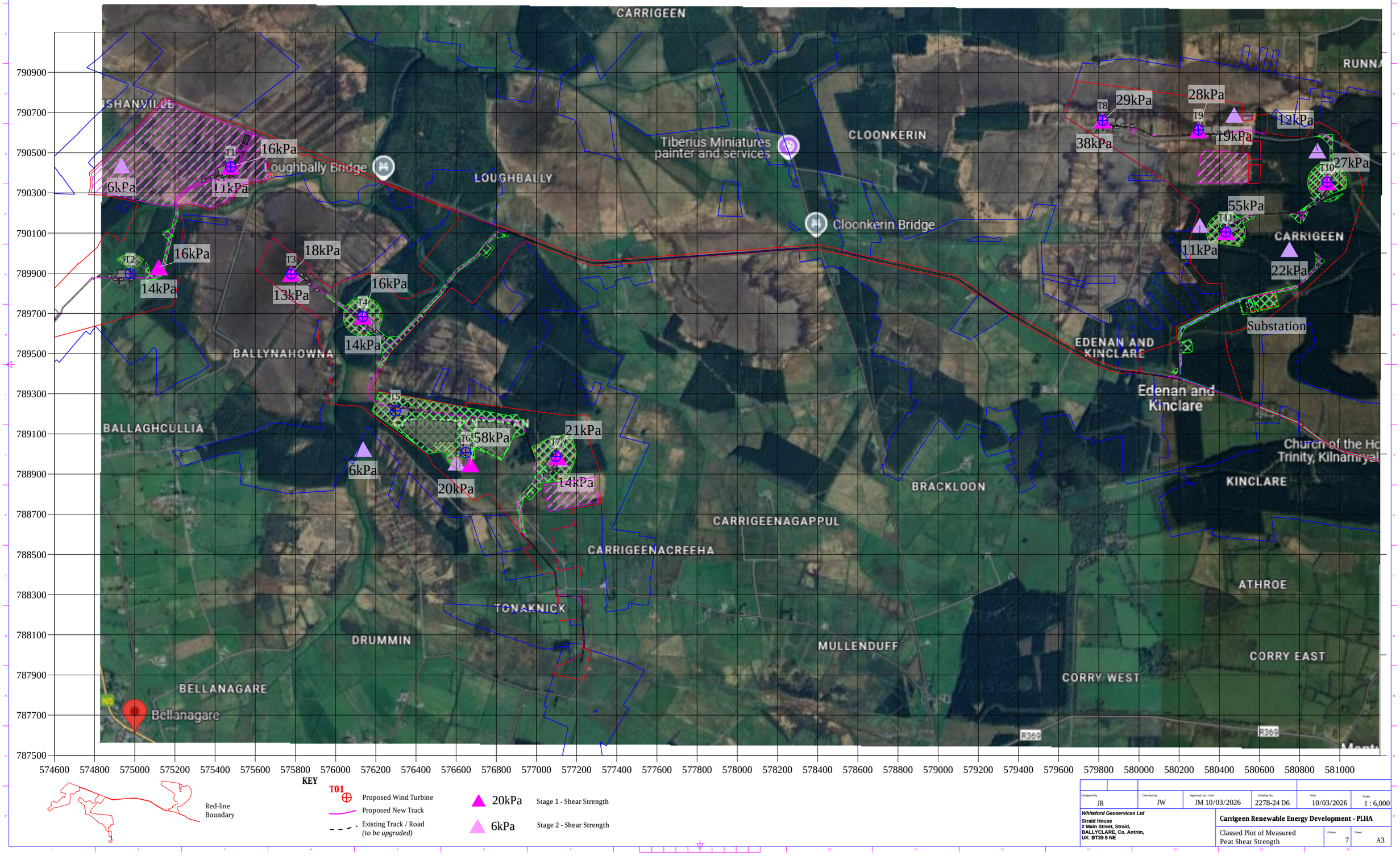
Edition 7 | Sheet A3

2278-24 Carrigeen Renewable Energy Development - Soils and Geology Assessment

Turbine Layout: Dated 11-02-2026

Peat Landslide Hazard Assessment Works - Classed Plot of Measured Shear Strength

10th March 2026



KEY

Red-line Boundary

T01 Proposed Wind Turbine

Proposed New Track

Existing Track / Road *(to be upgraded)*

20kPa Stage 1 - Shear Strength

6kPa Stage 2 - Shear Strength

Designed by	Checked by	Approved by - date	Drawing No.	Date	Scale
JR	JW	JM 10/03/2026	2278-24 D6	10/03/2026	1 : 6,000

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UK BT39 9 NE

Carrigeen Renewable Energy Development - PLHA

Classed Plot of Measured Peat Shear Strength

Edition 7

Sheet A3

APPENDIX B

IN-SITU TEST RESULTS AND LOGS OF EXPLORATORY HOLES

Probed Peat Thickness Data – Stage 2 (Updated June 2025)	53 x A4
Trial Hole Logs	12 x A4
Von Post and Shear Strength Tests – Stage 2	3 x A4

Carrigeen Renewable Energy Development PLHRA

Probed Peat Depth **J/N: 2278/24**

Client: Carraigin Power Ltd

Date: 02/02/2026

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
574600	790200	0.20	1
574600	790300	0.40	2
574600	790400	0.10	3
574600	790500	0.10	4
574600	790600	0.20	5
574700	790700	0.10	6
574700	790600	0.40	7
574700	790500	1.80	8
574700	790400	5.30	9
574700	790300	0.40	10
574700	790200	1.70	11
574700	790100	0.90	12
574800	790100	0.10	13
574800	790200	1.30	14
574800	790300	0.30	15
574800	790400	2.70	16
574800	790500	0.70	17
574800	790600	0.10	18
574800	790700	0.20	19
574900	790800	6.30	20
574900	790700	0.30	21
574900	790600	0.10	22
574900	790500	4.10	23
574900	790400	5.40	24
574900	790300	0.10	25
574900	790200	0.20	26
574900	790100	2.60	27
574900	790000	0.10	28
574800	790000	0.30	29
574800	789900	0.10	30
574800	789800	0.50	31
574800	789700	0.90	32
574900	789600	0.90	33
574900	789700	1.40	34
574900	789800	0.20	35
574900	789900	0.10	36
575000	789600	0.20	37

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575000	789700	0.30	38
575000	789800	0.30	39
575000	789900	0.70	40
575000	790000	2.40	41
575000	790100	4.50	42
575000	790200	4.50	43
575000	790300	1.80	44
575000	790400	1.90	45
575000	790500	2.40	46
575000	790600	0.40	47
575000	790700	3.20	48
575000	790800	5.00	49
575100	790800	5.60	50
575100	790700	8.10	51
575100	790600	1.70	52
575100	790500	5.40	53
575100	790400	3.20	54
575100	790300	3.80	55
575100	790200	0.50	56
575100	790100	2.00	57
575100	790000	2.50	58
575100	789900	2.10	59
575100	789800	1.20	60
575100	789700	3.10	61
575100	789600	0.30	62
575200	789600	1.90	63
575200	789700	4.50	64
575200	789800	4.50	65
575200	789900	4.50	66
575200	790000	4.50	67
575200	790100	4.50	68
575200	790200	4.50	69
575200	790300	2.50	70
575200	790400	4.10	71
575200	790500	0.30	72
575200	790600	2.10	73
575200	790700	4.90	74
575200	790800	8.60	75
575300	790800	7.50	76
575300	790700	1.80	77
575300	790600	2.60	78
575300	790500	0.80	79
575300	790400	1.30	80
575300	790300	2.00	81
575300	790200	1.80	82
575300	790100	4.50	83

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575300	790000	4.50	84
575300	789900	4.50	85
575300	789800	4.50	86
575300	789700	4.50	87
575300	789600	4.50	88
575400	789600	5.40	89
575400	789700	7.20	90
575400	789800	5.40	91
575400	789900	7.20	92
575400	790000	5.40	93
575400	790100	5.00	94
575400	790200	2.20	95
575400	790300	0.90	96
575400	790400	2.70	97
575400	790500	1.30	98
575400	790600	1.70	99
575400	790700	2.00	100
575400	790800	7.30	101
575400	790900	7.30	102
575500	790900	9.00	103
575500	790800	8.30	104
575500	790700	5.00	105
575500	790600	3.70	106
575500	790500	2.00	107
575500	790400	3.10	108
575500	790300	0.90	109
575500	790200	2.00	110
575500	790100	2.80	111
575500	790000	7.20	112
575500	789900	7.20	113
575500	789800	7.20	114
575500	789700	7.20	115
575600	789600	4.50	116
575600	789700	4.50	117
575600	789800	4.50	118
575600	789900	4.50	119
575600	790000	4.50	120
575600	790100	4.50	121
575600	790200	4.50	122
575600	790300	2.80	123
575600	790400	4.70	124
575600	790500	4.60	125
575600	790600	1.00	126
575600	790700	4.90	127
575600	790800	5.50	128
575600	790900	7.60	129

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575600	791000	7.50	130
575700	791000	6.30	131
575700	790900	4.70	132
575700	790800	2.70	133
575700	790700	3.60	134
575700	790600	2.70	135
575700	790500	4.00	136
575700	790400	0.40	137
575700	790300	6.30	138
575700	790200	7.20	139
575700	790100	7.20	140
575700	790000	7.20	141
575700	789900	6.80	142
575700	789800	6.80	143
575700	789700	5.40	144
575700	789600	7.20	145
575700	789500	7.20	146
575800	789500	4.50	147
575800	789600	4.50	148
575800	789700	4.50	149
575800	789800	4.50	150
575800	789900	3.00	151
575800	790000	4.50	152
575800	790100	4.50	153
575800	790200	4.50	154
575800	790300	0.90	155
575800	790400	0.30	156
575800	790500	4.90	157
575800	790600	4.90	158
575800	790700	5.10	159
575800	790800	3.60	160
575800	790900	4.50	161
575900	790900	4.90	162
575900	790800	1.20	163
575900	790700	4.10	164
575900	790600	3.80	165
575900	790500	2.00	166
575900	790400	2.10	167
575900	790300	1.10	168
575900	790200	5.40	169
575900	790100	5.40	170
575900	790000	4.00	171
575900	789900	3.70	172
575900	789800	2.80	173
575900	789700	3.60	174
575900	789600	0.20	175

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575900	789500	2.80	176
576000	789500	0.90	177
576000	789600	0.10	178
576000	789700	0.10	179
576000	789800	1.80	180
576000	789900	2.20	181
576000	790000	4.50	182
576000	790100	1.00	183
576000	790200	4.50	184
576000	790300	1.30	185
576000	790400	1.40	186
576000	790500	2.90	187
576000	790600	3.60	188
576000	790700	2.90	189
576000	790800	2.10	190
576100	790800	3.80	191
576100	790700	1.90	192
576100	790600	3.60	193
576100	790500	1.90	194
576100	790400	3.60	195
576100	790300	3.50	196
576100	790200	3.10	197
576100	790100	4.50	198
576100	790000	5.40	199
576100	789900	3.50	200
576100	789800	3.10	201
576100	789700	4.50	202
576100	789600	0.70	203
576100	789500	0.80	204
576200	789500	2.60	205
576200	789600	1.60	206
576200	789700	1.70	207
576200	789800	2.80	208
576200	789900	0.90	209
576200	790000	3.60	210
576200	790100	2.80	211
576200	790200	2.70	212
576200	790300	1.60	213
576200	790400	2.70	214
576200	790500	3.00	215
576200	790600	1.80	216
576200	790700	1.80	217
576300	790700	3.60	218
576300	790600	4.50	219
576300	790500	4.50	220
576300	790400	4.00	221

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576300	790300	3.60	222
576300	790200	2.90	223
576300	790100	2.80	224
576300	790000	3.10	225
576300	789900	4.50	226
576300	789800	3.30	227
576300	789700	2.80	228
576300	789600	3.20	229
576400	789600	4.50	230
576400	789700	4.50	231
576400	789800	2.60	232
576400	789900	2.80	233
576400	790000	2.80	234
576400	790100	3.10	235
576400	790200	4.50	236
576400	790300	3.20	237
576400	790400	2.70	238
576400	790500	2.10	239
576400	790600	1.80	240
576400	790700	4.00	241
576500	790600	1.30	242
576500	790500	1.40	243
576500	790400	0.80	244
576500	790300	1.10	245
576500	790200	3.00	246
576500	790100	2.70	247
576500	790000	3.60	248
576500	789900	3.00	249
576500	789800	1.50	250
576500	789700	1.30	251
576500	789600	3.10	252
576600	789600	5.40	253
576600	789700	2.60	254
576600	789800	4.50	255
576600	789900	4.50	256
576600	790000	6.10	257
576600	790100	1.40	258
576600	790200	0.50	259
576600	790300	4.00	260
576600	790400	4.20	261
576600	790500	3.10	262
576600	790600	4.50	263
576700	790600	2.70	264
576700	790500	1.30	265
576700	790400	2.70	266
576700	790300	1.50	267

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576700	790200	0.10	268
576700	790100	0.10	269
576700	790000	2.70	270
576700	789900	4.50	271
576700	789800	4.50	272
576700	789700	4.50	273
576700	789600	4.50	274
576800	789600	4.50	275
576800	789700	4.50	276
576800	789800	5.20	277
576800	789900	2.10	278
576800	790000	1.50	279
576800	790100	0.30	280
576800	790200	0.50	281
576800	790300	2.70	282
576800	790400	3.80	283
576800	790500	5.50	284
576900	790500	5.00	285
576900	790400	4.50	286
576900	790300	4.50	287
576900	790200	0.50	288
576900	790100	0.50	289
576900	790000	0.50	290
576900	789900	0.60	291
576900	789800	0.30	292
576900	789700	3.10	293
576298	789496	4.50	294
576400	789498	4.50	295
576498	789498	3.10	296
576600	789491	2.80	297
576696	789498	4.50	298
576700	789402	2.30	299
576598	789398	2.10	300
576504	789404	4.00	301
576393	789398	2.30	302
576302	789396	3.40	303
576206	789404	2.10	304
576099	789399	2.50	305
576004	789397	3.40	306
575899	789400	3.10	307
575797	789399	3.00	308
575800	789302	2.70	309
575899	789297	2.40	310
576002	789298	2.40	311
576101	789300	2.50	312
576203	789303	0.50	313

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576307	789297	0.10	314
576400	789297	0.30	315
576503	789297	3.00	316
576602	789295	3.20	317
576705	789297	2.30	318
576799	789291	2.30	319
576902	789297	2.20	320
577001	789298	3.30	321
577101	789297	4.00	322
577203	789294	0.10	323
577300	789294	3.20	324
577403	789300	2.70	325
577402	789200	4.50	326
577303	789201	4.50	327
577200	789197	3.70	328
577103	789197	5.00	329
576999	789198	4.90	330
576899	789197	3.50	331
576804	789197	2.80	332
576700	789200	2.90	333
576602	789201	2.70	334
576498	789198	2.80	335
576401	789200	0.90	336
576304	789200	0.40	337
576173	789200	0.70	338
576102	789201	1.70	339
575999	789194	4.00	340
575905	789200	1.10	341
575800	789198	1.00	342
575802	789098	0.90	343
575900	789101	0.70	344
576001	789100	0.10	345
576098	789097	1.60	346
576203	789098	2.70	347
576304	789098	0.10	348
576403	789098	0.20	349
576502	789098	0.10	350
576602	789101	0.40	351
576700	789098	0.90	352
576801	789100	0.90	353
576901	789098	2.40	354
577003	789100	1.80	355
577101	789100	1.00	356
577201	789100	2.70	357
577303	789097	4.00	358
577403	789097	4.00	359

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
577504	789097	4.00	360
577502	789001	3.40	361
577399	789001	3.10	362
577303	788998	1.10	363
577203	789001	1.60	364
577100	788999	1.50	365
576999	788999	0.90	366
576902	788999	0.30	367
576801	788999	0.40	368
576697	789001	0.30	369
576602	788998	0.30	370
576500	788996	0.20	371
576398	788999	1.80	372
576300	788999	4.50	373
576203	788999	4.50	374
576098	788998	3.60	375
575999	789001	3.00	376
575902	788999	2.70	377
575800	788999	1.80	378
575799	788902	2.00	379
575902	788896	0.90	380
576002	788898	0.30	381
576101	788901	1.30	382
576198	788899	3.20	383
576303	788902	4.50	384
576400	788901	4.00	385
576500	788896	0.90	386
576602	788898	0.90	387
576702	788896	1.10	388
576802	788899	1.30	389
576901	788901	1.10	390
577001	788901	1.00	391
577101	788895	0.90	392
577201	788901	2.10	393
577302	788899	1.70	394
577397	788895	1.10	395
577400	788799	0.50	396
577302	788797	1.90	397
577203	788797	3.00	398
577104	788796	2.10	399
576999	788799	0.90	400
576899	788801	1.20	401
576801	788797	2.30	402
576701	788795	2.30	403
576598	788800	3.70	404
576504	788798	4.50	405

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576399	788800	2.80	406
576301	788801	2.10	407
576200	788798	3.10	408
576100	788797	2.20	409
576003	788797	0.20	410
575901	788800	0.20	411
575900	788699	0.10	412
575999	788700	0.90	413
576100	788696	1.20	414
576200	788697	1.40	415
576300	788697	2.50	416
576403	788694	3.60	417
576502	788697	4.00	418
576601	788696	2.60	419
576702	788694	2.90	420
576798	788696	2.70	421
576902	788696	2.50	422
577003	788697	0.90	423
577101	788699	1.00	424
577202	788697	0.40	425
577301	788697	0.40	426
577401	788697	0.20	427
577406	788602	0.10	428
577302	788598	0.10	429
577204	788600	0.10	430
577100	788600	0.30	431
577000	788600	1.00	432
576898	788607	2.20	433
576803	788598	3.00	434
576694	788596	3.10	435
576601	788598	3.70	436
576495	788600	4.50	437
576495	788498	1.50	438
576603	788498	1.30	439
576699	788492	0.50	440
576803	788500	1.10	441
576905	788496	1.10	442
576996	788496	0.30	443
577109	788500	0.40	444
577198	788496	0.90	445
577306	788494	0.10	446
577397	788494	0.30	447
577501	788498	0.40	448
577597	788398	0.30	449
577501	788401	0.20	450
577399	788403	0.30	451

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
577299	788398	0.10	452
577202	788403	0.20	453
577091	788403	0.20	454
577002	788398	0.10	455
576903	788403	0.50	456
576798	788403	0.40	457
576699	788401	0.50	458
576696	788299	0.40	459
576798	788296	0.20	460
576898	788301	0.20	461
576994	788294	0.30	462
577102	788294	0.30	463
577202	788303	0.20	464
577299	788294	0.30	465
577401	788296	0.20	466
577501	788301	0.20	467
577601	788299	0.40	468
577597	788199	0.20	469
577499	788199	0.30	470
577401	788194	0.10	471
577299	788199	0.20	472
577198	788197	0.20	473
577102	788197	0.20	474
577000	788199	0.30	475
576900	788199	0.50	476
576803	788199	0.40	477
576801	788101	0.50	478
576896	788097	0.40	479
576996	788097	0.20	480
577100	788097	0.20	481
577202	788101	0.10	482
577299	788099	0.10	483
577397	788097	0.30	484
577497	788099	0.20	485
577599	788097	0.20	486
577601	787999	0.30	487
577503	787999	0.20	488
577397	788001	0.10	489
577302	787997	0.20	490
577200	787997	0.20	491
577102	787995	0.20	492
576998	787997	0.10	493
576903	787999	0.10	494
579898	789399	0.30	495
580001	789397	0.10	496
580100	789399	0.20	497

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580197	789397	0.20	498
580301	789401	0.10	499
580396	789399	0.10	500
580501	789403	0.10	501
580602	789397	0.10	502
580707	789403	0.30	503
580800	789399	0.40	504
580999	789500	0.10	505
580898	789498	0.20	506
580798	789500	0.40	507
580699	789499	0.30	508
580601	789496	0.30	509
580503	789497	0.40	510
580402	789500	0.50	511
580304	789498	0.80	512
580203	789500	0.80	513
580099	789500	0.90	514
579997	789498	1.00	515
579900	789500	1.80	516
579900	789598	4.00	517
580000	789600	4.00	518
580098	789598	2.70	519
580205	789599	2.50	520
580301	789599	1.30	521
580401	789600	0.40	522
580501	789598	0.10	523
580597	789600	0.90	524
580701	789600	0.30	525
580800	789602	0.30	526
580903	789598	0.10	527
581000	789600	0.10	528
581099	789599	0.20	529
581198	789702	0.10	530
581099	789701	0.40	531
581001	789701	0.20	532
580902	789699	0.10	533
580803	789698	0.20	534
580701	789702	0.30	535
580599	789699	1.60	536
580500	789696	2.10	537
580400	789698	2.80	538
580300	789698	4.60	539
580201	789698	4.00	540
580098	789696	4.50	541
580002	789697	4.50	542
579898	789699	4.50	543

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
579900	789800	4.50	544
580000	789800	4.50	545
580099	789800	4.50	546
580199	789800	4.50	547
580302	789802	3.80	548
580403	789799	2.40	549
580502	789797	2.90	550
580605	789799	2.00	551
580700	789799	1.00	552
580802	789801	0.20	553
580903	789800	0.10	554
581003	789799	0.10	555
581103	789802	0.30	556
581199	789803	0.40	557
581201	789898	0.10	558
581100	789899	0.40	559
581004	789899	0.10	560
580903	789898	0.40	561
580802	789898	0.20	562
580702	789898	0.70	563
580598	789900	2.70	564
580499	789900	2.90	565
580401	789899	2.80	566
580301	789900	4.00	567
580203	789902	4.00	568
580100	789896	4.00	569
580002	789899	0.90	570
579900	789900	4.00	571
579899	790000	4.00	572
579999	789999	4.00	573
580100	790002	4.00	574
580200	790001	4.00	575
580299	790000	1.70	576
580402	789999	1.20	577
580500	789998	3.00	578
580602	790001	0.40	579
580702	789996	0.10	580
580802	790000	0.60	581
580902	789999	0.10	582
581000	790001	0.50	583
581103	790000	0.50	584
581199	790000	0.20	585
581198	790100	0.80	586
581100	790101	0.20	587
580999	790099	0.10	588
580902	790098	0.30	589

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580801	790100	0.10	590
580700	790100	0.10	591
580599	790098	0.20	592
580502	790097	0.20	593
580401	790097	0.10	594
580300	790097	0.90	595
580201	790099	2.80	596
580099	790099	0.90	597
579999	790099	1.70	598
579902	790100	1.30	599
579900	790199	4.50	600
579998	790199	0.90	601
580101	790203	0.10	602
580201	790199	1.80	603
580302	790197	0.70	604
580401	790197	0.10	605
580501	790198	0.10	606
580597	790200	0.10	607
580700	790200	0.10	608
580801	790200	0.10	609
580899	790198	0.20	610
581001	790198	2.80	611
581100	790199	1.20	612
581199	790298	1.20	613
581100	790298	3.50	614
581000	790299	2.30	615
580902	790299	1.10	616
580801	790299	1.50	617
580699	790299	1.60	618
580600	790298	1.50	619
580502	790299	1.30	620
580400	790299	4.50	621
580300	790298	2.90	622
580201	790299	2.70	623
580101	790298	0.30	624
579999	790299	3.50	625
579900	790300	4.00	626
579798	790298	1.10	627
579699	790299	4.00	628
579599	790300	4.00	629
579499	790399	4.00	630
579602	790398	4.00	631
579702	790398	3.20	632
579802	790399	3.50	633
579897	790398	4.00	634
580002	790398	3.30	635

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580099	790398	0.80	636
580203	790400	2.30	637
580301	790398	3.50	638
580401	790399	1.50	639
580500	790403	1.30	640
580601	790400	0.90	641
580700	790400	1.50	642
580800	790399	1.30	643
580902	790400	0.70	644
581001	790399	0.20	645
581101	790399	0.50	646
581200	790399	0.30	647
581200	790499	0.30	648
581100	790501	0.10	649
580999	790499	0.70	650
580900	790499	0.50	651
580800	790499	1.20	652
580701	790502	1.40	653
580600	790497	0.50	654
580501	790498	1.60	655
580400	790499	3.70	656
580300	790499	3.20	657
580201	790498	2.90	658
580099	790498	4.00	659
580002	790499	4.00	660
579900	790497	4.00	661
579800	790498	1.60	662
579700	790498	1.20	663
579602	790499	4.00	664
579499	790503	4.00	665
579400	790599	3.80	666
579499	790602	4.20	667
579602	790598	3.40	668
579702	790601	2.80	669
579800	790599	0.70	670
579900	790599	2.20	671
580003	790597	1.30	672
580101	790601	0.10	673
580199	790598	0.40	674
580303	790597	0.90	675
580401	790599	0.10	676
580498	790598	0.10	677
580600	790598	0.10	678
580700	790602	1.10	679
580799	790603	1.30	680
580901	790601	0.10	681

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
581000	790603	0.10	682
581101	790598	0.10	683
581201	790598	0.30	684
581200	790697	0.90	685
581101	790701	1.70	686
581000	790702	4.50	687
580901	790701	3.80	688
580800	790699	2.70	689
580702	790697	1.80	690
580602	790698	0.10	691
580501	790698	4.50	692
580401	790701	4.50	693
580302	790699	4.50	694
580201	790696	1.10	695
580099	790697	1.80	696
580002	790696	1.80	697
579899	790701	2.30	698
579798	790701	1.00	699
579700	790697	1.40	700
579600	790697	1.20	701
579498	790696	1.70	702
579400	790698	4.50	703
579499	790800	4.50	704
579599	790803	4.50	705
579700	790797	4.50	706
579800	790802	4.50	707
579899	790800	4.50	708
579999	790800	4.50	709
580099	790801	4.50	710
580199	790798	4.50	711
580301	790798	4.50	712
580403	790800	4.50	713
580500	790801	3.60	714
580601	790800	3.70	715
580700	790798	3.20	716
580799	790800	4.50	717
580902	790800	1.50	718
581003	790800	4.00	719
581103	790798	1.00	720
581101	790897	1.80	721
581000	790901	0.10	722
580902	790900	0.80	723
580801	790896	0.70	724
580699	790898	1.60	725
580601	790898	4.50	726
580503	790898	4.50	727

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580405	790902	4.50	728
580304	790897	4.50	729
580202	790897	4.50	730
580102	790897	4.50	731
580003	790897	4.50	732
579899	790898	4.50	733
579798	790901	4.50	734
579702	790902	4.50	735
579602	790900	4.50	736
579501	790897	4.50	737
579599	791001	0.10	738
579699	790997	3.10	739
579802	791000	3.00	740
579898	790998	4.30	741
580004	791001	2.10	742
580104	790998	4.50	743
580201	790998	4.50	744
580301	791000	4.50	745
580401	791001	4.50	746
580498	790998	1.00	747
580601	791000	1.90	748
580700	791000	0.10	749
580600	791097	1.10	750
580497	791098	1.30	751
580403	791098	0.70	752
580301	791097	0.90	753
575424	790379	2.70	754
575424	790389	3.10	755
575424	790399	4.50	756
575424	790409	4.50	757
575424	790419	3.30	758
575424	790429	4.50	759
575424	790439	3.70	760
575424	790449	3.80	761
575424	790459	1.80	762
575424	790469	1.80	763
575424	790479	1.80	764
575434	790479	2.70	765
575434	790469	2.50	766
575434	790459	2.90	767
575434	790449	2.30	768
575434	790439	0.30	769
575434	790429	1.90	770
575434	790419	2.30	771
575434	790409	2.70	772
575434	790399	2.50	773

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575434	790389	2.60	774
575434	790379	2.50	775
575444	790379	2.30	776
575444	790389	3.00	777
575444	790399	2.70	778
575444	790409	2.70	779
575444	790419	2.90	780
575444	790429	2.20	781
575444	790439	2.60	782
575444	790449	3.10	783
575444	790459	2.40	784
575444	790469	2.00	785
575444	790479	2.00	786
575454	790479	1.80	787
575454	790469	1.00	788
575454	790459	2.10	789
575454	790449	1.80	790
575454	790439	2.00	791
575454	790429	2.30	792
575454	790419	2.50	793
575454	790409	2.50	794
575454	790399	2.50	795
575454	790389	2.60	796
575454	790379	2.10	797
575464	790379	3.30	798
575464	790389	2.90	799
575464	790399	3.00	800
575464	790409	2.70	801
575464	790419	2.60	802
575464	790429	2.50	803
575464	790439	2.90	804
575464	790449	2.20	805
575464	790459	1.00	806
575464	790469	1.60	807
575464	790479	1.80	808
575474	790479	2.10	809
575474	790469	1.70	810
575474	790459	2.10	811
575474	790449	2.00	812
575474	790439	2.00	813
575474	790429	2.40	814
575474	790419	2.00	815
575474	790409	3.60	816
575474	790399	3.80	817
575474	790389	4.50	818
575474	790379	4.50	819

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575484	790379	4.60	820
575484	790389	4.20	821
575484	790399	4.40	822
575484	790409	4.50	823
575484	790419	4.50	824
575484	790429	3.60	825
575484	790439	2.00	826
575484	790449	3.80	827
575484	790459	3.00	828
575484	790469	2.70	829
575484	790479	2.80	830
575494	790479	2.30	831
575494	790469	1.40	832
575494	790459	2.60	833
575494	790449	2.70	834
575494	790439	2.30	835
575494	790429	3.90	836
575494	790419	3.90	837
575494	790409	4.50	838
575494	790399	4.40	839
575494	790389	3.00	840
575494	790379	3.90	841
575504	790379	1.80	842
575504	790389	3.10	843
575504	790399	2.80	844
575504	790409	1.90	845
575504	790419	2.80	846
575504	790429	2.60	847
575504	790439	1.90	848
575504	790449	2.10	849
575504	790459	2.70	850
575504	790469	3.00	851
575504	790479	2.70	852
575514	790479	2.90	853
575514	790469	4.50	854
575514	790459	2.60	855
575514	790449	1.80	856
575514	790439	2.00	857
575514	790429	1.80	858
575514	790419	2.70	859
575514	790409	1.60	860
575514	790399	2.30	861
575514	790389	3.30	862
575514	790379	2.40	863
575524	790379	0.60	864
575524	790389	1.80	865

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575524	790399	2.80	866
575524	790409	2.50	867
575524	790419	2.40	868
575524	790429	3.00	869
575524	790439	2.20	870
575524	790449	2.10	871
575524	790459	1.60	872
575524	790469	4.50	873
575524	790479	4.00	874
575728	789847	4.50	875
575728	789857	4.50	876
575728	789867	4.50	877
575728	789877	4.50	878
575728	789887	4.50	879
575728	789897	4.50	880
575728	789907	4.50	881
575728	789917	4.50	882
575728	789927	4.50	883
575728	789937	4.50	884
575728	789947	4.50	885
575738	789947	4.50	886
575738	789937	4.50	887
575738	789927	4.50	888
575738	789917	4.50	889
575738	789907	4.50	890
575738	789897	4.50	891
575738	789887	4.50	892
575738	789877	4.50	893
575738	789867	4.50	894
575738	789857	4.50	895
575738	789847	4.50	896
575748	789847	4.50	897
575748	789857	4.50	898
575748	789867	4.50	899
575748	789877	4.50	900
575748	789887	4.50	901
575748	789897	4.50	902
575748	789907	4.50	903
575748	789917	4.50	904
575748	789927	4.50	905
575748	789937	4.50	906
575748	789947	4.50	907
575758	789947	4.50	908
575758	789937	4.50	909
575758	789927	4.50	910
575758	789917	4.50	911

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575758	789907	4.50	912
575758	789897	4.50	913
575758	789887	4.50	914
575758	789877	4.50	915
575758	789867	4.50	916
575758	789857	4.50	917
575758	789847	4.50	918
575768	789847	3.80	919
575768	789857	3.90	920
575768	789867	4.50	921
575768	789877	4.50	922
575768	789887	4.50	923
575768	789897	4.50	924
575768	789907	4.50	925
575768	789917	4.50	926
575768	789927	4.50	927
575768	789937	4.50	928
575768	789947	4.50	929
575778	789947	4.50	930
575778	789937	4.50	931
575778	789927	4.50	932
575778	789917	4.50	933
575778	789907	4.50	934
575778	789897	4.50	935
575778	789887	4.50	936
575778	789877	4.50	937
575778	789867	4.50	938
575778	789857	3.90	939
575778	789847	3.60	940
575788	789847	3.60	941
575788	789857	4.10	942
575788	789867	3.90	943
575788	789877	4.50	944
575788	789887	4.50	945
575788	789897	4.50	946
575788	789907	4.50	947
575788	789917	4.50	948
575788	789927	4.50	949
575788	789937	4.50	950
575788	789947	4.50	951
575798	789947	4.50	952
575798	789937	4.50	953
575798	789927	4.50	954
575798	789917	4.50	955
575798	789907	4.50	956
575798	789897	3.60	957

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575798	789887	3.20	958
575798	789877	4.50	959
575798	789867	2.80	960
575798	789857	2.70	961
575798	789847	2.00	962
575808	789847	0.70	963
575808	789857	1.80	964
575808	789867	1.00	965
575808	789877	1.20	966
575808	789887	0.90	967
575808	789897	0.90	968
575808	789907	0.70	969
575808	789917	0.60	970
575808	789927	3.30	971
575808	789937	3.30	972
575808	789947	4.50	973
575818	789947	4.50	974
575818	789937	4.50	975
575818	789927	3.80	976
575818	789917	3.00	977
575818	789907	2.70	978
575818	789897	2.70	979
575818	789887	2.40	980
575818	789877	0.60	981
575818	789867	0.90	982
575818	789857	0.90	983
575818	789847	0.90	984
575828	789847	0.80	985
575828	789857	1.80	986
575828	789867	1.10	987
575828	789877	1.20	988
575828	789887	0.70	989
575828	789897	2.00	990
575828	789907	1.10	991
575828	789917	2.40	992
575828	789927	3.60	993
575828	789937	4.50	994
575828	789947	4.50	995
576621	788898	0.20	996
576621	788908	0.10	997
576621	788918	0.10	998
576621	788928	0.10	999
576621	788938	0.10	1000
576621	788948	0.20	1001
576621	788958	0.10	1002
576621	788968	0.10	1003

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576621	788978	0.10	1004
576631	788978	0.10	1009
576631	788968	0.10	1010
576631	788958	0.10	1011
576631	788948	0.10	1012
576631	788938	0.10	1013
576631	788928	0.10	1014
576631	788918	0.10	1015
576631	788908	0.10	1016
576631	788898	0.20	1017
576641	788898	0.10	1018
576641	788908	0.10	1019
576641	788918	0.10	1020
576641	788928	0.20	1021
576641	788938	0.10	1022
576641	788948	0.10	1023
576641	788958	0.10	1024
576641	788968	0.10	1025
576641	788978	0.10	1026
576651	788978	0.10	1031
576651	788968	0.10	1032
576651	788958	0.10	1033
576651	788948	0.10	1034
576651	788938	0.10	1035
576651	788928	0.10	1036
576651	788918	0.10	1037
576651	788908	0.10	1038
576651	788898	0.10	1039
576661	788898	0.10	1040
576661	788908	0.10	1041
576661	788918	0.10	1042
576661	788928	0.10	1043
576661	788938	0.10	1044
576661	788948	0.10	1045
576661	788958	0.10	1046
576661	788968	0.10	1047
576661	788978	0.10	1048
576671	788968	0.10	1054
576671	788958	0.10	1055
576671	788948	0.20	1056
576671	788938	0.10	1057
576671	788928	0.10	1058
576671	788918	0.10	1059
576671	788908	0.20	1060
576671	788898	0.10	1061
576681	788898	0.10	1062

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576681	788908	0.10	1063
576681	788918	0.10	1064
576681	788928	0.10	1065
576681	788938	0.10	1066
576681	788948	0.10	1067
576681	788958	0.20	1068
576681	788968	0.10	1069
576691	788968	0.10	1076
576691	788958	0.10	1077
576691	788948	0.20	1078
576691	788938	0.10	1079
576691	788928	0.10	1080
576691	788918	0.10	1081
576691	788908	0.10	1082
576691	788898	0.10	1083
576701	788898	0.10	1084
576701	788908	0.10	1085
576701	788918	0.10	1086
576701	788928	0.10	1087
576701	788938	0.10	1088
576701	788948	0.10	1089
576701	788958	0.10	1090
576701	788968	0.10	1091
576711	788978	0.10	1097
576711	788968	0.10	1098
576711	788958	0.10	1099
576711	788948	0.10	1100
576711	788938	0.10	1101
576711	788928	0.10	1102
576711	788918	0.10	1103
576711	788908	0.10	1104
576711	788898	0.10	1105
576721	788898	0.10	1106
576721	788908	0.10	1107
576721	788918	0.20	1108
576721	788928	0.10	1109
576721	788938	0.10	1110
576721	788948	0.10	1111
576721	788958	0.10	1112
576721	788968	0.10	1113
579770	790619	0.60	1118
579770	790629	0.90	1119
579770	790639	0.10	1120
579770	790649	0.80	1121
579770	790659	0.90	1122
579770	790669	1.80	1123

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
579770	790679	2.70	1124
579770	790689	1.80	1125
579770	790699	1.80	1126
579770	790709	1.40	1127
579780	790709	0.70	1128
579780	790699	1.80	1129
579780	790689	2.50	1130
579780	790679	1.80	1131
579780	790669	1.90	1132
579780	790659	0.60	1133
579780	790649	1.70	1134
579780	790639	0.10	1135
579780	790629	1.00	1136
579780	790619	0.90	1137
579780	790609	0.60	1138
579790	790609	0.40	1139
579790	790619	0.50	1140
579790	790629	1.10	1141
579790	790639	0.10	1142
579790	790649	1.70	1143
579790	790659	1.80	1144
579790	790669	0.90	1145
579790	790679	0.90	1146
579790	790689	1.60	1147
579790	790699	1.90	1148
579790	790709	0.90	1149
579800	790709	1.70	1150
579800	790699	1.40	1151
579800	790689	2.70	1152
579800	790679	1.90	1153
579800	790669	1.30	1154
579800	790659	1.60	1155
579800	790649	0.70	1156
579800	790639	0.10	1157
579800	790629	0.60	1158
579800	790619	0.50	1159
579800	790609	0.50	1160
579810	790609	0.40	1161
579810	790619	0.40	1162
579810	790629	0.50	1163
579810	790639	0.10	1164
579810	790649	1.70	1165
579810	790659	2.00	1166
579810	790669	0.90	1167
579810	790679	2.10	1168
579810	790689	2.80	1169

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
579810	790699	1.90	1170
579810	790709	1.00	1171
579820	790709	0.90	1172
579820	790699	2.40	1173
579820	790689	1.90	1174
579820	790679	2.00	1175
579820	790669	1.90	1176
579820	790659	0.90	1177
579820	790649	1.50	1178
579820	790639	0.10	1179
579820	790629	0.70	1180
579820	790619	0.80	1181
579820	790609	0.60	1182
579830	790609	0.10	1183
579830	790619	0.10	1184
579830	790629	0.10	1185
579830	790639	0.30	1186
579830	790649	0.40	1187
579830	790659	1.30	1188
579830	790669	2.20	1189
579830	790679	1.00	1190
579830	790689	1.60	1191
579830	790699	1.50	1192
579830	790709	1.10	1193
579840	790709	0.90	1194
579840	790699	2.70	1195
579840	790689	2.50	1196
579840	790679	1.00	1197
579840	790669	0.50	1198
579840	790659	1.00	1199
579840	790649	0.30	1200
579840	790639	0.10	1201
579840	790629	0.50	1202
579840	790619	1.00	1203
579840	790609	1.80	1204
579850	790609	1.40	1205
579850	790619	0.50	1206
579850	790629	0.60	1207
579850	790639	0.10	1208
579850	790649	0.10	1209
579850	790659	0.90	1210
579850	790669	1.90	1211
579850	790679	0.90	1212
579850	790689	2.10	1213
579850	790699	0.90	1214
579850	790709	1.30	1215

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
579860	790709	1.30	1216
579860	790699	1.00	1217
579860	790689	1.80	1218
579860	790679	0.90	1219
579860	790669	1.70	1220
579860	790659	0.90	1221
579860	790649	1.60	1222
579860	790639	0.10	1223
579860	790629	0.60	1224
579860	790619	0.70	1225
579860	790609	1.30	1226
579870	790609	1.20	1227
579870	790619	0.90	1228
579870	790629	1.00	1229
579870	790639	0.10	1230
579870	790649	0.60	1231
579870	790659	1.90	1232
579870	790669	2.10	1233
579870	790679	2.50	1234
579870	790689	1.30	1235
579870	790699	2.10	1236
579870	790709	2.00	1237
580245	790591	0.10	1241
580245	790601	0.10	1242
580245	790611	0.10	1243
580245	790621	0.70	1244
580245	790631	0.70	1245
580245	790641	0.90	1246
580245	790651	0.90	1247
580245	790661	0.30	1248
580255	790661	0.90	1249
580255	790651	0.90	1250
580255	790641	0.80	1251
580255	790631	1.00	1252
580255	790621	0.10	1253
580255	790611	0.60	1254
580255	790601	0.10	1255
580255	790591	0.10	1256
580255	790581	0.10	1257
580265	790591	0.10	1263
580265	790601	0.10	1264
580265	790611	0.90	1265
580265	790621	0.20	1266
580265	790631	0.70	1267
580265	790641	0.70	1268
580265	790651	0.30	1269

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580265	790661	0.90	1270
580275	790661	0.70	1271
580275	790651	0.90	1272
580275	790641	0.50	1273
580275	790631	0.20	1274
580275	790621	0.10	1275
580275	790611	0.60	1276
580275	790601	0.10	1277
580275	790591	0.10	1278
580285	790591	0.10	1285
580285	790601	0.10	1286
580285	790611	0.90	1287
580285	790621	0.90	1288
580285	790631	1.00	1289
580285	790641	0.90	1290
580285	790651	0.10	1291
580285	790661	0.30	1292
580295	790661	0.90	1293
580295	790651	0.80	1294
580295	790641	0.90	1295
580295	790631	0.90	1296
580295	790621	0.60	1297
580295	790611	0.50	1298
580295	790601	0.10	1299
580295	790591	0.10	1300
580305	790581	0.40	1306
580305	790591	0.10	1307
580305	790601	0.50	1308
580305	790611	1.40	1309
580305	790621	1.30	1310
580305	790631	1.00	1311
580305	790641	0.90	1312
580305	790651	0.80	1313
580305	790661	0.90	1314
580315	790661	1.80	1315
580315	790651	2.00	1316
580315	790641	1.50	1317
580315	790631	1.40	1318
580315	790621	1.30	1319
580315	790611	1.70	1320
580315	790591	0.10	1322
580315	790581	0.40	1323
580325	790581	0.50	1328
580325	790591	0.10	1329
580325	790611	1.90	1331
580325	790621	1.80	1332

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580325	790631	1.90	1333
580325	790641	1.80	1334
580325	790651	1.80	1335
580325	790661	2.00	1336
580335	790661	1.60	1337
580335	790651	2.20	1338
580335	790641	1.80	1339
580335	790631	1.90	1340
580335	790621	1.70	1341
580335	790611	1.90	1342
580335	790591	0.10	1344
580335	790581	0.40	1345
580345	790581	0.80	1350
580345	790591	0.10	1351
580345	790611	1.00	1353
580345	790621	2.00	1354
580345	790631	0.80	1355
580345	790641	1.80	1356
580345	790651	1.00	1357
580345	790661	1.70	1358
579477	790684	1.80	1359
579478	790692	1.40	1360
579475	790672	1.90	1361
579510	790688	1.90	1362
579507	790694	1.20	1363
579508	790678	2.10	1364
579536	790690	1.60	1365
579537	790698	1.80	1366
579535	790678	1.40	1367
579563	790686	1.20	1368
579564	790695	0.90	1369
579566	790679	1.30	1370
579587	790693	1.30	1371
579591	790702	1.30	1372
579584	790691	1.40	1373
579611	790698	1.20	1374
579610	790706	0.60	1375
579609	790693	0.80	1376
579633	790698	1.40	1377
579635	790708	0.70	1378
579630	790691	0.10	1379
579658	790688	0.10	1380
579659	790700	0.10	1381
579654	790684	0.10	1382
579682	790677	2.00	1383
579683	790690	0.60	1384

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
579681	790669	0.90	1385
579709	790660	0.80	1386
579710	790667	1.00	1387
579707	790653	0.10	1388
579736	790649	0.90	1389
579737	790661	0.30	1390
579736	790645	0.10	1391
579763	790645	1.00	1392
579763	790658	1.00	1393
579765	790641	0.90	1394
579757	790644	1.10	1395
579759	790640	0.90	1396
579733	790643	1.30	1397
579787	790639	0.10	1398
579823	790640	0.60	1399
579818	790641	0.10	1400
579851	790640	0.10	1401
579851	790639	0.70	1402
579880	790635	1.20	1403
579874	790639	0.10	1404
579905	790632	0.30	1405
579896	790633	0.40	1406
579937	790628	0.70	1407
579932	790628	0.10	1408
579971	790624	0.70	1409
579969	790621	0.30	1410
580001	790621	0.10	1411
579997	790619	0.60	1412
580027	790611	0.10	1413
580021	790608	0.50	1414
580051	790595	0.10	1415
580043	790596	0.10	1416
580076	790583	0.10	1417
580072	790584	0.90	1418
580102	790583	0.10	1419
580097	790582	0.10	1420
580125	790586	1.20	1421
580122	790581	1.30	1422
580151	790586	0.70	1423
580152	790583	1.60	1424
580175	790586	0.10	1425
580172	790585	0.10	1426
580202	790587	0.50	1427
580199	790585	0.90	1428
580226	790588	0.10	1429
580226	790583	1.00	1430

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580252	790589	0.10	1431
580250	790586	0.10	1432
580277	790590	0.10	1433
580276	790581	0.20	1434
580301	790590	0.10	1435
580299	790585	1.00	1436
580326	790590	0.10	1437
580320	790589	1.00	1438
580353	790590	0.10	1439
580353	790587	0.10	1440
580378	790592	1.00	1441
580373	790592	0.90	1442
580403	790596	0.60	1443
580399	790592	0.10	1444
580428	790594	0.10	1445
580426	790586	0.10	1446
580453	790597	0.40	1447
580449	790593	0.10	1448
580479	790599	0.80	1449
580473	790596	0.10	1450
580503	790598	0.10	1451
580490	790600	0.10	1452
580443	790602	0.10	1453
580452	790625	0.10	1454
580468	790602	0.10	1455
580475	790606	0.10	1456
580479	790623	0.10	1457
580476	790596	0.10	1458
580501	790608	0.60	1459
580505	790626	0.60	1460
580500	790598	0.10	1461
580526	790614	0.40	1462
580526	790627	0.30	1463
580527	790606	0.20	1464
580551	790614	0.70	1465
580547	790627	1.10	1466
580552	790607	0.50	1467
580575	790607	0.10	1468
580577	790615	0.80	1469
580575	790600	0.10	1470
580599	790604	0.50	1471
580601	790614	0.30	1472
580596	790598	0.10	1473
580628	790597	0.10	1474
580628	790599	0.30	1475
580652	790593	0.20	1476

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580652	790597	1.00	1477
580677	790586	0.90	1478
580676	790591	1.40	1479
580702	790588	0.60	1480
580699	790584	0.10	1481
580725	790580	1.10	1482
580727	790591	0.10	1483
580753	790578	0.20	1484
580754	790583	1.10	1485
580780	790575	0.90	1486
580785	790577	1.20	1487
580806	790581	1.80	1488
580802	790582	1.00	1489
580827	790580	0.80	1490
580824	790579	0.90	1491
580854	790584	0.40	1492
580857	790585	0.60	1493
580877	790594	0.50	1494
580879	790588	0.80	1495
580906	790593	0.10	1496
580907	790593	0.10	1497
580932	790309	1.30	1498
580934	790308	1.50	1499
580923	790319	1.60	1500
580910	790290	2.60	1501
580912	790282	0.90	1502
580909	790299	1.80	1503
580891	790262	0.70	1504
580896	790257	1.50	1505
580884	790272	0.60	1506
580874	790242	0.90	1507
580881	790238	1.00	1508
580870	790245	1.00	1509
580847	790216	0.40	1510
580844	790222	0.30	1511
580824	790198	0.10	1512
580822	790211	0.40	1513
580798	790198	0.10	1514
580802	790202	0.50	1515
580774	790200	0.10	1516
580776	790206	0.20	1517
580747	790197	0.30	1518
580747	790205	0.50	1519
580722	790195	0.30	1520
580723	790203	0.60	1521
580698	790194	0.20	1522

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580698	790199	0.90	1523
580672	790194	0.30	1524
580674	790199	0.30	1525
580649	790192	0.60	1526
580648	790198	0.40	1527
580622	790190	0.20	1528
580621	790199	0.40	1529
580597	790193	0.10	1530
580596	790204	0.50	1531
580571	790189	0.10	1532
580574	790197	0.30	1533
580548	790184	0.10	1534
580546	790194	0.10	1535
580520	790170	0.70	1536
580527	790162	0.00	1537
580512	790179	0.30	1538
580496	790160	0.40	1539
580498	790153	0.30	1540
580489	790172	0.40	1541
580479	790152	0.40	1542
580482	790142	0.30	1543
580475	790161	0.40	1544
580453	790138	0.10	1545
580457	790132	0.60	1546
580443	790149	0.20	1547
580427	790122	0.10	1548
580439	790116	0.30	1549
580414	790131	0.20	1550
580813	790162	0.10	1551
580805	790165	0.10	1552
580815	790135	0.40	1553
580808	790134	0.50	1554
580823	790108	0.30	1555
580815	790106	0.20	1556
580836	790086	0.30	1557
580826	790084	0.30	1558
580847	790064	0.50	1559
580841	790062	0.30	1560
580861	790042	0.10	1561
580853	790038	0.10	1562
580875	790018	0.30	1563
580869	790015	0.50	1564
580887	789999	0.40	1565
580879	789995	0.70	1566
580208	789372	0.10	1567
580198	789374	0.10	1568

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
580213	789360	0.10	1569
580207	789396	0.10	1570
580219	789392	0.20	1571
580205	789426	0.10	1572
580213	789426	0.40	1573
580207	789454	0.10	1574
580197	789461	0.30	1575
580217	789456	0.40	1576
580209	789474	0.20	1577
580215	789473	0.10	1578
580201	789501	0.50	1579
580193	789506	0.10	1580
580210	789500	0.40	1581
580201	789525	0.90	1582
580191	789527	0.40	1583
580206	789528	0.80	1584
580201	789556	0.80	1585
580189	789556	0.20	1586
580209	789556	0.90	1587
580203	789575	1.10	1588
580200	789579	2.30	1589
580206	789580	1.30	1590
580200	789621	3.00	1591
580194	789622	2.70	1592
580203	789607	1.50	1593
576165	789329	0.90	1594
576156	789331	0.10	1595
576171	789322	0.30	1596
576178	789351	2.50	1597
576164	789357	2.40	1598
576182	789343	1.80	1599
576184	789375	2.50	1600
576175	789377	2.50	1601
576196	789367	1.80	1602
576198	789400	2.30	1603
576189	789406	2.80	1604
576207	789397	2.70	1605
576206	789419	1.60	1606
576192	789424	2.40	1607
576218	789414	1.00	1608
577218	787963	0.10	1609
577220	787963	0.50	1610
577224	787991	0.10	1611
577228	787990	0.30	1612
577231	788024	0.10	1613
577236	788022	0.10	1614

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
577232	788053	0.10	1615
577236	788056	0.10	1616
577232	788084	0.20	1617
577236	788084	0.10	1618
577230	788115	0.20	1619
577235	788116	0.30	1620
577226	788140	0.40	1621
577232	788139	0.20	1622
577225	788166	0.10	1623
577232	788166	0.30	1624
577226	788199	0.30	1625
577231	788198	0.30	1626
577223	788259	0.10	1627
577227	788257	0.30	1628
577218	788286	0.10	1629
577218	788291	0.10	1630
577189	788288	0.10	1631
577191	788294	0.10	1632
577159	788290	0.10	1633
577159	788294	0.10	1634
577133	788291	0.10	1635
577133	788295	0.40	1636
577101	788295	0.10	1637
577109	788299	0.10	1638
577099	788325	0.30	1639
577103	788327	0.40	1640
577098	788353	0.20	1641
577102	788355	0.40	1642
577096	788383	0.10	1643
577099	788385	0.10	1644
577088	788412	0.10	1645
577095	788417	0.10	1646
577074	788434	0.10	1647
577079	788437	0.10	1648
577060	788451	0.20	1649
577065	788454	0.10	1650
577043	788469	0.10	1651
577047	788475	0.10	1652
577029	788488	0.10	1653
577033	788492	0.20	1654
577011	788507	0.10	1655
577016	788511	0.10	1656
577995	788522	0.30	1657
577998	788530	0.10	1658
577979	788545	0.10	1659
577982	788548	0.10	1660

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576963	788565	0.10	1661
576969	788569	0.10	1662
576948	788584	0.10	1663
576952	788587	0.10	1664
576931	788603	0.10	1665
576936	788605	0.70	1666
576913	788622	0.10	1667
576917	788624	0.10	1668
576898	788642	0.30	1669
576902	788645	0.40	1670
576881	788659	0.10	1671
576886	788662	2.90	1672
576865	788679	0.10	1673
576871	788683	2.30	1674
576848	788700	0.10	1675
576852	788704	0.30	1676
576834	788717	0.10	1677
576840	788721	0.10	1678
576816	788737	0.10	1679
576820	788742	0.10	1680
576800	788755	0.10	1681
576805	788760	0.20	1682
576786	788776	0.10	1683
576790	788777	0.10	1684
576770	788795	0.10	1685
576775	788797	0.40	1686
576754	788816	0.10	1687
576759	788818	0.10	1688
576734	788838	0.10	1689
576742	788841	0.10	1690
576763	788861	0.10	1691
576766	788859	0.10	1692
576788	788879	0.10	1693
576790	788875	0.10	1694
576812	788891	0.10	1695
576815	788887	0.10	1696
576836	788901	0.10	1697
576838	788897	0.10	1698
576856	788913	0.10	1699
576857	788908	0.10	1700
576880	788921	0.50	1701
576882	788918	0.10	1702
576903	788929	0.30	1703
576903	788925	0.10	1704
576928	788935	0.40	1705
576929	788934	0.10	1706

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576951	788942	0.10	1707
576957	788939	0.40	1708
576976	788950	0.30	1709
576980	788948	0.70	1710
576997	788957	0.40	1711
576998	788963	0.10	1712
577003	788947	0.10	1713
577017	788967	0.80	1714
577027	788976	1.20	1715
577039	788983	0.90	1717
577044	788982	1.20	1718
577049	788969	0.80	1719
577072	788989	1.40	1720
577071	788999	1.50	1721
577077	788980	1.40	1722
577088	788989	1.30	1723
577088	789000	1.60	1724
577094	788985	1.10	1725
577111	788997	1.20	1726
577110	789001	0.90	1727
577111	788981	1.10	1728
576719	788860	0.70	1729
576711	788855	0.10	1730
576730	788865	0.10	1731
576711	788877	0.40	1732
576702	788875	0.10	1733
576720	788882	0.10	1734
576693	788900	0.20	1735
576679	788891	0.50	1736
576697	788908	0.10	1737
576673	788918	0.10	1738
576665	788917	0.10	1739
576679	788925	0.10	1740
576656	788935	0.10	1741
576648	788931	0.80	1742
576660	788943	0.20	1743
576634	788949	0.30	1744
576628	788943	0.20	1745
576636	788957	0.20	1746
576617	788967	0.20	1747
576614	788960	0.10	1748
576616	788976	0.20	1749
576593	788983	0.10	1750
576586	788975	0.40	1751
576596	788986	0.10	1752
576574	789001	0.20	1753

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576568	788996	0.20	1754
576341	789160	0.20	1755
576326	789157	0.10	1756
576337	789170	0.10	1757
576311	789178	0.40	1758
576314	789172	0.40	1759
576317	789182	0.30	1760
576284	789199	0.10	1761
576284	789190	0.30	1762
576284	789198	0.10	1763
576267	789211	0.30	1764
576263	789207	0.20	1765
576269	789218	0.10	1766
576240	789229	0.80	1767
576237	789224	0.10	1768
576221	789245	0.20	1769
576222	789231	0.20	1770
576224	789250	0.30	1771
576204	789251	0.30	1772
576199	789249	0.20	1773
576204	789256	0.20	1774
576193	789260	0.10	1775
576189	789256	0.10	1776
576194	789272	0.10	1777
577224	788229	0.20	1778
577229	788226	0.20	1779
574600	789808	0.20	1781
574593	789812	0.10	1782
574608	789802	0.10	1783
574620	789828	0.10	1784
574612	789833	0.10	1785
574628	789821	0.10	1786
574642	789850	0.10	1787
574636	789857	0.20	1788
574648	789844	0.10	1789
574667	789873	0.10	1790
574659	789880	0.10	1791
574673	789868	0.10	1792
574693	789893	0.10	1793
574685	789900	0.10	1794
574699	789886	0.10	1795
574722	789902	0.10	1796
574726	789908	0.20	1797
574719	789981	0.10	1798
574748	789885	0.10	1799
574757	789891	0.10	1800

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
574747	789877	0.10	1801
574780	789862	0.10	1802
574784	789869	0.10	1803
574774	789856	0.10	1804
574803	789837	0.10	1805
574809	789842	0.10	1806
574796	789829	0.10	1807
574833	789815	0.10	1808
574839	789819	0.10	1809
574828	789806	0.10	1810
574863	789793	0.10	1811
574867	789800	0.20	1812
574854	789786	0.10	1813
574881	789774	0.10	1814
574887	789777	0.20	1815
574872	789767	0.20	1816
574902	789756	0.20	1817
574910	789761	0.10	1818
574897	789749	0.10	1819
574918	789743	0.10	1820
574925	789748	0.10	1821
574912	789736	0.10	1822
574929	789731	0.10	1823
574932	789730	0.10	1824
574922	789725	0.10	1825
574947	789712	0.10	1826
574942	789722	0.20	1827
574945	789711	0.30	1828
574966	789717	0.40	1829
574972	789720	0.10	1830
574994	789713	0.40	1832
574989	789719	0.10	1833
574988	789714	0.30	1834
575015	789724	1.50	1835
575015	789729	1.70	1836
575026	789729	1.50	1837
575041	789737	0.40	1838
575039	789749	1.80	1839
575050	789740	1.00	1840
575060	789755	1.50	1841
575060	789756	0.60	1842
575071	789754	0.30	1843
575090	789772	2.40	1844
575084	789776	1.10	1845
575095	789766	0.60	1846
575108	789792	1.90	1847

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575106	789805	0.40	1848
575118	789807	2.70	1849
575124	789822	0.90	1850
575118	789826	1.10	1851
575125	789817	1.20	1852
575130	789853	2.80	1853
575125	789853	0.80	1854
575136	789854	0.30	1855
575142	789880	2.80	1856
575137	789879	2.70	1857
575147	789880	2.30	1858
575141	789913	2.10	1859
575138	789911	2.10	1860
575156	789908	2.70	1861
576328	790316	1.30	1863
576327	790312	0.20	1864
576353	790315	0.10	1865
576350	790308	0.20	1866
576371	790309	0.70	1867
576369	790299	0.30	1868
576396	790293	1.80	1869
576393	790289	0.30	1870
576419	790285	0.50	1871
576419	790281	0.40	1872
576441	790272	0.80	1873
576439	790262	0.70	1874
576465	790263	0.20	1875
576463	790258	0.10	1876
576488	790254	0.30	1877
576486	790250	0.30	1878
576511	790248	0.40	1879
576508	790245	0.30	1880
576548	790246	0.10	1881
576534	790246	0.20	1882
576571	790239	0.30	1883
576569	790232	0.20	1884
576592	790210	0.20	1885
576593	790205	0.10	1886
576620	790197	0.30	1887
576620	790189	0.20	1888
576650	790183	0.20	1889
576648	790176	0.10	1890
576676	790175	0.10	1891
576674	790173	0.10	1892
576701	790162	0.10	1893
576700	790157	0.20	1894

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576733	790154	0.10	1895
576730	790150	0.10	1896
576766	790146	0.10	1897
576763	790141	0.20	1898
577314	789953	0.30	1899
577314	789950	0.10	1900
577348	789956	0.10	1901
577348	789951	0.10	1902
577379	789957	0.10	1903
577379	789949	0.10	1904
577409	789957	0.20	1905
577410	789950	0.10	1906
577441	789965	0.10	1907
577441	789958	0.10	1908
577471	789967	0.30	1909
577472	789960	0.10	1910
577505	789968	0.60	1911
577503	789963	0.40	1912
577535	789968	0.10	1913
577537	789963	0.20	1914
577568	789970	0.10	1915
577568	789965	0.10	1916
577596	789974	0.30	1917
577596	789969	0.10	1918
577628	789979	0.10	1919
577628	789973	0.10	1920
577661	789980	0.20	1921
577660	789973	0.40	1922
577692	789978	0.30	1923
577691	789974	0.10	1924
577722	789983	0.30	1925
577723	789976	0.10	1926
577752	789985	2.70	1927
577752	789977	2.80	1928
577781	789991	0.30	1929
577779	789981	0.10	1930
577808	789993	0.40	1931
577808	789985	1.90	1932
577838	789994	0.60	1933
577839	789985	0.20	1934
577869	789994	0.60	1935
577868	789989	0.40	1936
577900	789995	0.40	1937
577901	789991	2.40	1938
577930	790000	0.40	1939
577930	789993	1.80	1940

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
577959	790002	0.30	1941
577961	789995	0.50	1942
577988	790004	0.10	1943
577988	789998	1.50	1944
578017	790004	0.20	1945
578019	790000	0.30	1946
578048	790007	0.30	1947
578048	790000	1.90	1948
578079	790007	0.10	1949
578079	790002	0.10	1950
578108	790011	0.30	1951
578108	790004	0.10	1952
578139	790012	0.50	1953
578140	790007	0.30	1954
578167	790017	0.10	1955
578168	790009	0.10	1956
578198	790020	1.60	1957
578198	790014	0.10	1958
578228	790022	0.10	1959
578227	790018	0.10	1960
578258	790021	0.20	1961
578258	790017	0.10	1962
578291	790024	0.30	1963
578291	790019	0.20	1964
578321	790026	0.30	1965
578320	790020	0.10	1966
578353	790029	0.10	1967
578352	790020	0.10	1968
578384	790033	0.10	1969
578384	790026	0.10	1970
575479	790653	0.10	1972
575472	790647	1.40	1973
575497	790649	0.10	1974
575492	790642	0.50	1975
575511	790637	0.20	1976
575509	790632	0.10	1977
575535	790630	0.10	1978
575530	790623	0.10	1979
575560	790621	0.10	1980
575556	790611	0.70	1981
575583	790612	0.30	1982
575582	790606	0.10	1983
575610	790599	0.40	1984
575608	790596	0.40	1985
575634	790589	0.20	1986
575635	790581	0.70	1987

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575659	790579	0.10	1988
575656	790575	0.10	1989
575686	790569	0.20	1991
575683	790564	0.10	1992
575711	790560	0.70	1993
575710	790554	0.20	1994
575735	790544	0.20	1995
575738	790548	0.30	1996
575762	790540	0.40	1997
575763	790531	0.30	1998
575787	790528	0.40	1999
575783	790523	0.10	2000
575813	790518	0.30	2001
575812	790510	0.10	2002
575839	790510	0.50	2003
575838	790503	0.90	2004
575865	790497	0.70	2005
575866	790491	0.20	2006
575894	790490	0.70	2007
575812	790484	0.20	2008
576791	790135	0.10	2010
576791	790130	0.30	2011
576822	790124	0.10	2012
576820	790121	0.10	2013
576849	790112	0.30	2014
576848	790109	0.50	2015
576880	790101	0.10	2016
576878	790097	0.20	2017
576911	790090	0.10	2018
576910	790085	0.10	2019
576941	790077	0.10	2020
576939	790074	0.10	2021
576972	790069	0.30	2022
576971	790065	0.40	2023
577000	790052	0.10	2024
576999	790052	0.10	2025
577028	790044	0.20	2026
577028	790039	0.20	2027
577064	790036	0.30	2029
577061	790033	0.30	2030
577085	790020	0.20	2031
577085	790018	0.20	2032
577115	790016	0.30	2033
577112	790011	0.20	2034
577141	790000	0.10	2035
577138	789994	0.20	2036

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
577166	789990	0.10	2037
577166	789983	0.10	2038
577196	789979	0.30	2039
577193	789976	0.10	2040
577225	789969	0.10	2041
577221	789960	0.10	2042
577252	789962	0.20	2043
577250	780956	0.10	2044
577284	780957	0.10	2045
577284	789951	0.10	2046
575947	790480	0.40	2048
575944	790475	0.60	2049
575941	790470	0.40	2050
575940	790463	0.20	2051
575964	790462	1.30	2052
575960	790455	2.00	2053
575984	790452	0.40	2054
575982	790445	0.30	2055
576006	790442	0.40	2056
576004	790437	0.70	2057
576031	790434	0.90	2058
576026	790429	0.50	2059
576054	790425	0.90	2060
576052	790419	0.30	2061
576075	790416	0.30	2062
576073	790409	0.10	2063
576102	790407	0.10	2064
576099	790402	0.20	2065
576127	790394	0.30	2067
576125	790386	0.10	2068
576151	790387	0.10	2069
576146	790379	0.10	2070
576176	790378	0.60	2071
576172	790372	0.40	2072
576201	790368	0.20	2073
576200	790362	0.30	2074
576221	790361	0.40	2075
576221	790357	0.20	2076
576241	790353	0.30	2077
576237	790343	2.30	2078
576264	790342	0.50	2079
576262	790332	0.40	2080
576286	790335	0.30	2081
576284	790330	0.10	2082
576305	790325	0.70	2083
576303	790319	0.10	2084

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
576328	790316	1.30	2086
576327	790312	0.20	2087
576353	790315	0.10	2088
576350	790308	0.20	2089
576371	790309	0.70	2090
576369	790299	0.30	2091
576396	790293	1.80	2092
576393	790289	0.30	2093
576419	790285	0.50	2094
576419	790281	0.40	2095
576441	790272	0.80	2096
576439	790262	0.70	2097
576465	790263	0.20	2098
576463	790258	0.10	2099
576488	790254	0.30	2100
576486	790250	0.30	2101
576511	790248	0.40	2102
576508	790245	0.30	2103
576548	790246	0.10	2104
576534	790246	0.20	2105
576571	790239	0.30	2106
576569	790232	0.20	2107
576592	790210	0.20	2108
576593	790205	0.10	2109
576620	790197	0.30	2110
576620	790189	0.20	2111
576650	790183	0.20	2112
576648	790176	0.10	2113
576676	790175	0.10	2114
576674	790173	0.10	2115
576701	790162	0.10	2116
576700	790157	0.20	2117
576733	790154	0.10	2118
576730	790150	0.10	2119
576766	790146	0.10	2120
576763	790141	0.20	2121
577314	789953	0.30	2122
577314	789950	0.10	2123
577348	789956	0.10	2124
577348	789951	0.10	2125
577379	789957	0.10	2126
577379	789949	0.10	2127
577409	789957	0.20	2128
577410	789950	0.10	2129
577441	789965	0.10	2130
577441	789958	0.10	2131

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
577471	789967	0.30	2132
577472	789960	0.10	2133
577505	789968	0.60	2134
577503	789963	0.40	2135
577535	789968	0.10	2136
577537	789963	0.20	2137
577568	789970	0.10	2138
577568	789965	0.10	2139
577596	789974	0.30	2140
577596	789969	0.10	2141
577628	789979	0.10	2142
577628	789973	0.10	2143
577661	789980	0.20	2144
577660	789973	0.40	2145
577692	789978	0.30	2146
577691	789974	0.10	2147
577722	789983	0.30	2148
577723	789976	0.10	2149
577752	789985	2.70	2150
577752	789977	2.80	2151
577781	789991	0.30	2152
577779	789981	0.10	2153
577808	789993	0.40	2154
577808	789985	1.90	2155
577838	789994	0.60	2156
577839	789985	0.20	2157
577869	789994	0.60	2158
577868	789989	0.40	2159
577900	789995	0.40	2160
577901	789991	2.40	2161
577930	790000	0.40	2162
577930	789993	1.80	2163
577959	790002	0.30	2164
577961	789995	0.50	2165
577988	790004	0.10	2166
577988	789998	1.50	2167
578017	790004	0.20	2168
578019	790000	0.30	2169
578048	790007	0.30	2170
578048	790000	1.90	2171
578079	790007	0.10	2172
578079	790002	0.10	2173
578108	790011	0.30	2174
578108	790004	0.10	2175
578139	790012	0.50	2176
578140	790007	0.30	2177

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
578167	790017	0.10	2178
578168	790009	0.10	2179
578198	790020	1.60	2180
578198	790014	0.10	2181
578228	790022	0.10	2182
578227	790018	0.10	2183
578258	790021	0.20	2184
578258	790017	0.10	2185
578291	790024	0.30	2186
578291	790019	0.20	2187
578321	790026	0.30	2188
578320	790020	0.10	2189
578353	790029	0.10	2190
578352	790020	0.10	2191
578384	790033	0.10	2192
578384	790026	0.10	2193
578416	790031	0.10	2195
578415	790026	0.20	2196
578442	790026	0.10	2197
578440	790018	0.30	2198
578468	790020	0.30	2199
578467	790015	0.10	2200
578495	790016	0.40	2201
578493	790009	0.20	2202
578524	790006	0.30	2203
578521	790004	0.40	2204
578551	790003	0.10	2205
578552	789995	0.10	2206
578581	789995	0.10	2207
578580	789988	0.10	2208
578611	789990	0.30	2209
578610	789983	0.40	2210
578638	789983	0.10	2211
578636	789976	0.50	2212
578668	789975	0.30	2214
578667	789969	0.10	2215
578697	789969	0.10	2216
578695	789964	0.30	2217
578725	789962	0.10	2218
578725	789956	0.10	2219
578754	789957	0.30	2220
578751	789950	0.10	2221
578782	789949	0.40	2222
578812	789941	0.20	2224
578841	789937	0.30	2226
578840	789931	0.40	2227

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
578869	789931	0.10	2228
578869	789924	0.10	2229
578898	789922	0.20	2230
578897	789918	0.20	2231
578925	789918	0.40	2233
578925	789910	0.20	2234
578955	789911	0.30	2235
578953	789905	0.10	2236
578982	789905	0.70	2237
578978	789897	0.10	2238
579007	789899	0.10	2239
579003	789892	0.40	2240
579030	789892	0.10	2241
579027	789885	0.10	2242
579054	789888	0.30	2243
579054	789880	0.10	2244
579074	789883	0.30	2245
579077	789876	0.70	2246
579103	789869	0.60	2247
579102	789864	0.40	2248
579124	789854	0.70	2249
579120	789852	0.10	2250
579144	789843	1.20	2252
579141	789837	1.00	2253
579167	789826	0.90	2254
579161	789824	0.10	2255
579184	789815	1.10	2256
579180	789809	0.10	2257
579205	789800	0.70	2258
579199	789797	0.10	2259
579221	789784	0.10	2261
579246	789774	0.20	2262
579241	789771	0.10	2263
579262	789764	0.10	2264
579261	789757	0.50	2265
579288	789745	0.10	2266
579284	789739	0.10	2267
579308	789730	0.10	2268
579331	789715	0.10	2271
579328	789712	0.10	2272
579356	789701	0.10	2273
579352	789696	0.20	2274
579380	789687	0.10	2275
579376	789682	0.40	2276
579404	789674	0.20	2277
579401	789671	0.10	2278

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
579427	789660	0.10	2279
579426	789655	0.10	2280
579452	789647	0.90	2281
579449	789639	0.10	2282
579476	789635	0.10	2283
579472	789629	0.10	2284
579500	789620	0.30	2285
579496	789614	0.20	2286
579524	789604	0.40	2287
579520	789600	0.30	2288
579549	789592	0.60	2290
579545	789587	0.50	2291
579572	789579	0.50	2292
579569	789573	0.10	2293
579597	789565	0.30	2294
579595	789557	0.50	2295
579623	789547	0.40	2296
579621	789546	0.10	2297
579646	789535	0.50	2298
579642	789532	0.20	2299
579671	789522	0.80	2300
579669	789517	0.30	2301
579695	789509	0.70	2302
579694	789504	0.20	2303
579721	789491	0.10	2304
579718	789488	0.10	2305
579746	789479	0.10	2306
579742	789474	0.20	2307
579767	789467	0.10	2309
579764	789462	0.10	2310
579790	789456	0.10	2311
579787	789452	1.20	2312
579810	789446	0.20	2313
579810	789440	0.70	2314
579836	789439	0.10	2315
579831	789432	0.40	2316
579857	789428	0.20	2317
579857	789423	0.10	2318
579888	789423	0.10	2319
579887	789416	0.10	2320
579913	789419	0.10	2321
579911	789415	0.10	2322
579934	789417	0.20	2323
579931	789414	0.10	2324
579958	789410	0.20	2325
579957	789407	0.10	2326

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
579983	789409	0.20	2328
579983	789402	0.20	2329
580002	789402	0.10	2330
580003	789401	0.40	2331
580032	789398	0.20	2333
580054	789396	0.10	2334
580079	789397	0.10	2336
580078	789394	0.10	2337
580109	789393	0.10	2338
580129	789388	0.10	2340
580128	789384	0.10	2341
580153	789384	0.10	2342
580153	789381	0.10	2343
580180	789380	0.10	2344
580180	789378	0.10	2345
580200	789378	0.10	2346
580200	789370	0.10	2347
575586	790600	0.10	2349
575598	790597	0.10	2350
575577	790604	0.10	2351
575574	790574	2.20	2352
575581	790568	2.70	2353
575567	790578	4.10	2354
575558	790544	4.50	2355
575570	790538	2.90	2356
575550	790547	4.30	2357
575551	790514	3.40	2358
575560	790508	2.80	2359
575544	790519	2.20	2360
575532	790482	2.40	2361
575540	790481	2.80	2362
575522	790487	2.20	2363
575438	790393	3.20	2364
575439	790388	2.60	2365
575433	790404	3.60	2366
575402	790372	4.50	2367
575404	790366	3.50	2368
575398	790384	3.90	2369
575372	790360	2.30	2370
575373	790351	2.00	2371
575368	790373	1.80	2372
575336	790353	2.80	2373
575340	790345	4.50	2374
575335	790366	2.40	2375
575307	790341	2.90	2376
575306	790332	2.50	2377

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575278	790316	4.50	2379
575285	790313	3.30	2380
576268	790320	1.90	2381
576805	790104	0.30	2382
576811	790096	0.30	2383
576795	790115	0.40	2384
576784	790083	0.20	2385
576793	790077	0.20	2386
576776	790091	0.30	2387
576764	790061	0.10	2388
576781	790057	0.20	2389
576764	790066	0.40	2390
576752	790042	0.10	2391
576761	790036	0.10	2392
576745	790047	0.40	2393
576736	790026	1.60	2394
576744	790019	1.50	2395
576730	790027	1.40	2396
576722	790002	2.30	2397
576731	789997	2.50	2398
576716	790012	2.30	2399
576693	789992	2.90	2400
576697	789981	3.70	2401
576691	790003	2.80	2402
576668	789979	3.90	2403
576672	789972	4.40	2404
576662	789989	4.30	2405
576646	789963	4.10	2406
576650	789954	4.50	2407
576640	789974	4.50	2408
576630	789945	4.50	2409
576636	789935	4.50	2410
576623	789952	4.50	2411
576611	789931	3.60	2412
576617	789923	4.40	2413
576607	789940	2.90	2414
576592	789915	2.90	2415
576594	789902	3.80	2416
576585	789924	3.90	2417
576571	789877	3.10	2418
576576	789865	3.50	2419
576569	789882	3.30	2420
576546	789858	2.90	2421
576543	789861	2.60	2423
575848	789873	2.90	2425
575856	789875	2.90	2426

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575846	789860	1.60	2427
575873	789846	3.40	2428
575880	789857	3.00	2429
575869	789838	2.50	2430
575897	789831	3.50	2431
575903	789836	1.90	2432
575895	789822	3.00	2433
575926	789812	2.80	2434
575928	789818	2.50	2435
575915	789797	1.90	2436
575932	789810	0.90	2437
575947	789798	1.00	2438
575946	789782	1.00	2439
575965	789778	0.20	2440
575970	789784	0.20	2441
575964	789763	1.50	2442
575996	789763	0.50	2443
576001	789767	0.10	2444
575995	789750	0.10	2445
575217	790227	0.50	2447
575220	790229	0.30	2448
575202	790225	0.10	2449
575201	790202	1.50	2450
575204	790199	1.00	2451
575192	790199	2.50	2452
575191	790172	2.70	2453
575189	790166	1.60	2454
575181	790168	0.90	2455
575185	790134	4.50	2456
575191	790134	0.90	2457
575181	790136	0.40	2458
575185	790111	4.50	2459
575175	790100	1.80	2460
575164	790104	4.50	2461
575171	790076	4.50	2462
575176	790076	1.90	2463
575168	790078	2.50	2464
575169	790070	4.20	2466
575174	790039	1.00	2467
575158	790035	0.80	2468
575162	790051	4.10	2469
575160	790017	0.40	2470
575154	790026	0.40	2471
575162	790040	2.10	2472
575155	789981	0.40	2473
575146	789975	3.80	2474

Easting (ITM)	Northing (ITM)	Peat Depth (m)	Ref
575143	789961	2.80	2475
575151	789946	0.10	2476
575132	789941	3.60	2477

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 20/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E575460.00 N790434.00
Location: T1		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP1	TP	67.50m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Soft, brittle, dark brown, silty PEAT with some rootlets.
					0.30	67.20		Very soft, brown, slightly clayey, silty PEAT with minimal rootlets. Medium moisture content.
		0.50		HVP=10				
								Bright red wood remnants.
	▼	1.70 - 2.00	B					
								Peat gets lighter in colour, characteristics remain the same.
	▼	2.80 - 3.10	B		2.80	64.70		Very soft, light brown, slightly clayey SILT containing white shells. Medium moisture content.
		3.50 - 3.80	B					
	▼							
					4.50	63.00		End of Pit at 4.500m

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.40	0.90	Collapsing			0.00	4.40	Arising

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 19/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E575040.00 N789928.00
Location: T2		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP2	TP	67.00m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
		0.60		HVP=14	0.60	66.40		Soft, brittle, dark brown, silty PEAT (Topsoil) with rootlets.
	▼	1.10 - 1.40	B		1.10	65.90		Soft, brown, slightly clayey, silty PEAT. Medium-high moisure content, contains large wood pieces.
					1.40	65.60		Very soft, light brown, slightly clayey SILT containing white shells. High moisture content. *Water seeping*
					1.60	65.40		Very soft, grey, gravelly SILT. Medium gravel/ cobble content. Gravel is coarse and sub-rounded. Cobbles are sub-rounded. Very high moisture content. *Boulder content gradually increases with depth*
		2.50 - 2.80	B					Stiff, grey, slightly silty, slightly gravelly CLAY. Gravels are coarse. Medium cobble/boulder content. Both cobbles and boulders are sub-angular to sub-rounded. Low/medium moisture content.
					3.20	63.80		*High content of large boulders.* End of Pit at 3.200m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
2.90	0.90	Collapsing			0.00	3.20	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 19/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E575780.00 N789896.00
Location: T3		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP3	TP	68.90m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.20	68.70		Soft, dark brown silty PEAT with rootlets. Covered by short grass/heather (cut-over).
		0.50		HVP=9				Very soft, orangey-brown, slightly silty, slightly clayey PEAT with little roots/fibres.
		1.00 - 1.30	B					
								Large tree fibres
	▼							*Gentle water flow*
	▼	2.80 - 3.10	B		2.80	66.10		Very soft, light grey, slightly sandy, slightly clayey SILT containing white shells. Medium/high moisture content.
								Strong water flow
		3.20 - 3.50	B		3.20	65.70		End of Pit at 3.200m

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
2.60	0.90	Instable			0.00	3.20	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 21/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E576351.00 N789176.00
Location: T5		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP4	TP	69.10m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	68.80		Firm, brown silty PEAT (Topsoil) with rootlets.
	▼	0.50		HVP=45				Soft grey/orange slightly gravelly, SILT. Low cobble/boulder content. Gravels are coarse and sub-angular. Both cobbles and boulders are sub-angular to sub-rounded. Medium moisture content.
		0.70 - 1.00	B					*Water seeping in from drainage channel 2m from pit. Promptly blocked off using digger and pit material.*
					0.90	68.20		Firm, dark grey, gravelly, sandy SILT. Medium cobble/boulder content. Gravels are coarse and angular. Both cobbles and boulders are sub-rounded.
		1.50 - 1.80	B					
					1.90	67.20		Soft brown/grey slightly sandy, gravelly SILT. Low/ medium cobble and boulder content. Cobbles and boulders are sub-angular to sub-rounded. Medium moisture content within the silt.
					2.00	67.10		Same as 0.9-1.9 layer except silt is stiff/very stiff with high cobble/boulder content below 2.5m depth.
		2.80 - 3.10	B					
					3.20	65.90		End of Pit at 3.200m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.90	0.90	Fairly stable			0.00	3.20	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 21/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E576670.00 N788948.00
Location: T6		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP5	TP	72.20m AoD	JA	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
								Firm, brown SILT (Topsoil)
					0.30	71.90		Firm, brown, gravelly, silty CLAY
					0.50	71.70		Firm to stiff greyish brown gravelly, silty CLAY with low cobble/boulder content. Gravel is fin to coarse, sub-angular. Low moisture content.
		0.60		HVP=75				
	▼	0.90 - 1.20	B					*Localised water seepage*
					1.50	70.70		Stiff grey, very gravelly CLAY with low cobble/ boulder content. Gravel is sub-angular, fine to coarse. Low/medium water content in clay.
		2.00 - 2.30	B					
		2.00		HVP=65	2.10	70.10		Very stiff/hard, grey, very gravelly CLAY. Low cobble/boulder content. Gravel is fine to coarse and sub-angular. Moisture content in clay is very low/low. Clay is brittle.
		2.20 - 2.50	B					
		3.00 - 3.30	B		3.00	69.20		End of Pit at 3.000m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
4.00	0.90	Fairly stable			0.00	3.00	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 21/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E577010.00 N788961.00
Location: T7		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP6	TP	68.80m AoD	JA	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.10	68.70		Firm, brown PEAT with many rootlets (Topsoil). Moss covered. Soft, brown, amorphous PEAT.
		0.40		HVP=24				
		0.70 - 1.00	B		0.70	68.10		Soft, grey slightly sandy, gravelly SILT. Low cobble content. Gravel is fine to coarse and angular. High water content. *Clay is very soft and stained brown due to weathering.*
		0.80		HVP=27				
					1.20	67.60		Firm to stiff grey gravelly, sandy SILT with medium cobble content and high boulder content. Boulders up to 0.4m. Gravel is fine to coarse, angular/sub-angular. Cobbles and boulders sub-angular/angular. Low water content.
		1.50 - 1.80	B					
					2.00	66.80		Firm, grey gravelly, sandy SILT with cobbles and boulders. Both cobbles and boulders are sub-angular to angular, dark grey limestone. Low moisture content.
					2.70	66.10		Stiff/very stiff, grey, gravelly, sandy SILT with high cobble and boulder content. Gravel is fine to coarse, sub-angular/angular
		3.00 - 3.30	B					
					3.20	65.60		End of Pit at 3.200m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.60	0.90	Stable			0.00	3.20	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 22/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E579476.00 N790668.00
Location: West of T8		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP7	TP	74.40m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
					0.20	74.20		Soft, dark brown, silty PEAT with a lot of rootlets. Covered by grass, heather, dry moss. Medium moisture content.
		0.50		HVP=9				Soft, brown/orange, silty PEAT with few rootlets. Medium moisture content. *Traces of wood.*
		0.80 - 1.10	B					
					1.00	73.40		Soft, grey, silty, gravelly CLAY with high cobble content. Gravels and cobbles are angular to sub-rounded. Medium moisture content. *Brown patches within the layer which contain a higher sand, gravel and moisture content.*
		1.20		HVP=28				
		1.60 - 1.90	B					
		1.60		HVP=24				*High water content. Lots of it in bucket.*
					2.20	72.20		Soft-firm, grey, silty, gravelly CLAY. Very high sub-rounded gravel/cobble/boulder content. Medium moisture content. *Boulder content begins at this depth.*
		2.90 - 3.20	B					*Clay is generally firm but some patches are very soft and have a high moisture content.*
					3.40	71.00		End of Pit at 3.400m

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
2.90	0.90	Fairly stable			0.00	3.40	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 21/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E579804.00 N790664.00
Location: T8		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP8	TP	74.20m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	73.90		Soft, dry, dark brown, silty PEAT (Topsoil) with a lot of rootlets. Covered by tall dry grass. Very low moisture content as exposed to sun.
		0.70		HVP=17				Soft, brown/orange, silty PEAT with some rootlets. Medium of moisture content.
		1.30 - 1.60	B					
	▼				2.50	71.70		Soft, grey, gravelly, sandy, SILT. Medium sub-rounded gravel/cobble/boulder content. Mix of consistency due to variations in moisture content (low/medium) but generally more soft than firm. *Softness and moisture content causes wall collapse and high groundwater entry flow.* *Boulders content increases with depth.* *Very large boulders*
	▼	2.70 - 3.00	B					
	▼	4.40 - 4.50	B					
					4.50	69.70		End of Pit at 4.500m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.40	0.90	Fairly stable			0.00	4.50	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 22/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E580297.00 N790613.00
Location: T9		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP9	TP	74.70m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	74.40		Dry, brown, silty, PEAT (cut-over) with a lot of rootlets. Covered with short grass/nothing.
		0.50		HVP=13				Soft, brown, silty PEAT with some rootlets. Medium moisture content.
								Bright red wood remnants.
		1.20 - 1.50	B					
					1.90	72.80		Soft, light grey, slightly sandy, slightly silty, slightly gravelly CLAY with low cobble content. Gravels are coarse and sub-angular to sub-rounded, cobbles are sub-rounded. Medium moisture content.
		2.30 - 2.60	B					*Sand more apparent/abundant in drier patches.*
								Large boulders at this depth.
								Moisture content increases.
		3.30 - 3.60	B					
								Clay becomes firmer.
					4.00	70.70		Stiff, grey, slightly silty, gravelly CLAY with high sub-rounded cobble/boulder content. Gravels are coarse and sub-angular to sub-rounded. Low moisture content.
		4.20 - 4.40	B					*Gravel/cobble content very high.*
					4.40	70.30		End of Pit at 4.400m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.10	0.90	Stable			0.00	4.40	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 20/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E580552.00 N790172.00
Location: T11		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP10	TP	75.50m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.30	75.20		Dry, brown SILT (Topsoil) with rootlets. Coarse and brittle, very low moisture content.
		0.60		HVP=34				Firm, light brown/orange slightly gravelly, sandy SILT with high cobble/boulder content. Gravels are coarse and angular to sub-angular, cobbles and boulders are sub-angular to sub-rounded. Medium moisture content.
								Grey patches within layer with higher moisture and sand content.
		1.10 - 1.40	B					
					1.90	73.60		Stiff, grey, gravelly, sandy SILT with high cobble/ boulder content. Gravels are coarse and angular to sub-angular, cobbles are sub-angular to sub-rounded, boulders are sub-rounded to rounded. Low-medium moisture content. Similar to previous layer, main difference being colour and moisture content.
		2.20 - 2.50	B					
								High boulder content causing excavator difficulty.
		3.40 - 3.50	B					
					3.50	72.00		End of Pit at 3.500m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.90	0.90	Instable			0.00	3.50	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 20/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E580921.00 N790310.00
Location: T10		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP11	TP	69.30m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing Depth (m)	Type	Results	Depth (m)	Level (m)	Legend	Stratum Description
	▼							Soft, dark brown, silty PEAT (Topsoil) with plant roots. Low-medium moisture content.
		0.70		HVP=14	0.60	68.70		Soft, brown, silty PEAT with traces of wood. Medium moisture content.
		1.30 - 1.60	B					*Bright red wood remnants.*
								Peat gets lighter in colour.
					2.90	66.40		Very soft, grey/brown, silty CLAY with some white shells. Medium gravel/cobble content at bottom of layer. Gravels and cobbles are sub-angular to sub-rounded.
		3.10 - 3.40	B					*Gravel/cobbles begin.*
		4.30 - 4.40	B					*Localised groundwater flow into pit.*
					4.40	64.90		End of Pit at 4.400m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.50	0.90	Instable			0.00	4.40	Arisings

Remarks

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Trial Pit Log

Project Name: Carrigeen Renewable Energy Development	Project No: 2278-24	Client: Carraigin Power Ltd	Date: 19/05/2025
		Contractor: Whiteford Geoservices Ltd	Co-ords: E580197.00 N789518.00
Location: SUB1, SUB2		Sub Contractor:	Equipment: Hitachi Zaxis 13T

Location Number	Location Type	Level	Logged By	Scale	Page Number
TP12	TP	70.40m AoD	JR	1:25	Sheet 1 of 1

Well	Water Strikes	Sample and In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description
		Depth (m)	Type	Results				
					0.50	69.90		Soft, brown, silty PEAT (Topsoil) with rootlets. Medium cobble/boulder content (angular to sub-angular.) Medium moisture content.
		0.60		HVP=40				Soft, grey, gravelly, sandy SILT with cobbles and boulders. Both cobbles and boulders are angular to sub-rounded. Medium moisture content.
								Layer becomes gravelly
		1.10 - 1.40	B					
								Boulders become more sub rounded to rounded.
								Clay gets firmer with lower moisture content.
		2.50 - 2.80	B					
		3.40 - 3.50	B					
					3.50	66.90		End of Pit at 3.500m

1 2 3 4

Dimensions		Trench Comments			Backfill Details		
Pit Length	Pit Width	Pit Stability	Shoring Used	Remarks	Top	Base	Description
3.70	0.90	Fairly stable			0.00	3.70	Arisings

Remarks

AGS

Carrigeen Renewable Energy Development - Peat Shear Strength

I.D.	Geographic Coordinates		Vane test (kPa)					Peat Thickness(m)
	Easting	Northing	0.0 - 0.5m	0.5 - 1.0m	1.0 - 1.5m	1.5 - 2.0m	Minimum	
T1	575474	790429	16	17	17	18	16kPa	3.6
T2	575119	789930	16	38			16kPa	0.3
T3	575778	789897	20	18	22	29	18kPa	2.8
T4	576136	789683	16	19	32	28	16kPa	1.5
T5	576297	789215						0.1
T6	576671	788948	58				58kPa	0.1
T7	577107	788984	21	52			21kPa	0.9
T8	579316	790698						
T9	579820	790659	46	38	29		29kPa	1.4
T10	580295	790611	28	30	84		28kPa	0.7
T11	580936	790352	28	27	29		27kPa	1.6
T12	580434	790104	55				55kPa	0.6
SS	580100	789470	No Peat				N/A	N/A
X1	574934	790435	24	6	11	15	6kPa	4.5
X2	575476	790430	11	20	H24	H23	11kPa	3
X3	575120	789928	14	H16	H18	H16	14kPa	2.9
X4	575779	789896	15	H16	H13	H14	13kPa	3.2
X5	576173	789656	14	15	H49	H120	14kPa	2.3
X6	576137	789024	18	6	H21	H19	6kPa	3
X7	576602	788956	20				20kPa	0.3
X8	577107	788972	14	15			14kPa	1.6
X9	579818	790661	38				38kPa	0.9
X10	580474	790688	31	19	20	21	19kPa	2
X11	580888	790510	12				12kPa	0.8
X12	580303	790137	11	43			11kPa	1.3
X13	580749	790019	22				22kPa	0.1

Carrigeen Renewable Energy Development - Peat Degradation

I.D.	Geographic Coordinates		Peat Characteristics					Peat Thickness(m)
	Easting	Northing	0.0 - 0.5m	0.5 - 1.0m	1.0 - 1.5m	1.5 - 2.0m	Maximum	
T1	574934	790435	H7	H7	H7	H7	H7	3.6
T2	575476	790430	H7				H7	0.3
T3	575120	789928	H7	H6	H6	H6	H7	2.8
T4	575779	789896	H5	H7	H8	H8	H8	1.5
T5	576173	789656					H1	0.1
T6	576137	789024					H1	0.1
T7	576602	788956	H7	H7			H7	0.9
T8	577107	788972						
T9	579818	790661	H6	H6	H6		H6	1.4
T10	580474	790688	H6	H6	H6		H6	0.7
T11	580888	790510	H7	H7	H7		H7	1.6
T12	580303	790137	H5				H5	0.6
SS	580749	790019	No Peat				N/A	N/A
X1	574934	790435	H6	H7	H7	H9	H9	4.5
X2	575476	790430	H5	H5	H6	H8	H8	3
X3	575120	789928	H6	H6	H7	H8	H8	2.9
X4	575779	789896	H5	H5	H6	H9	H9	3.2
X5	576173	789656	H4	H5	H5	H5	H5	2.3
X6	576137	789024	H4	H5	H5	H8	H8	3
X7	576602	788956	H2				H2	0.3
X8	577107	788972	H4	H5	H5		H5	1.6
X9	579818	790661	H3	H4			H4	0.9
X10	580474	790688	H3	H4	H5	H5	H5	2
X11	580888	790510	H7	H7			H7	0.8
X12	580303	790137	H7	H7			H7	1.3
X13	580749	790019	H1				H1	0.1

Carrigeen Renewable Energy Development - Peat Degradation

Notes:

Peat Characteristics

H1 - Completely undecomposed peat; only clear water can be squeezed from peat.

H2 - Almost undecomposed; mud free peat; water squeezed from peat is almost clear.

H3 - Very little decomposition; very slightly muddy peat; water squeezed from peat is muddy

H4 - Poorly decomposed; somewhat muddy peat; water squeezed from peat is muddy; residue is muddy but shows structure of peat.

H5 - Somewhat decomposed;muddy growth structure discernible but distinct; some peat passes through fingers when squeezed; compressed residue is muddy.

H6 - Somewhat decompsed; muddy; growth structure indistinct; less than one-third of peat passes through fingers when squeezed; residue very muddy.

H7 - Well decomposed; very muddy; growth structure indistinct; about one-half of peat passes through fingers when squeezed; exuded liquid has a "pudding-like" consistency.

H8 - Well decomposed; growth structure very indistinct; about two-thirds of peat passes through fingers when squeezed; residue consists mainly of roots and resistant fibers.

H9 - Almost completely decomposed; peat is mud-like; almost no growth structure can be seen; almost all of peat passes through the fingers when squeezed.

H10 - Completely decomposed; no discernible growth structure; entire peat mass passes through the fingers when squeezed.

APPENDIX C

INTERPRETED GEOPHYSICAL SURVEY DATA

Annotated Electrical Resistivity Tomography (ERT) Profiles:

T1 – ERT Profiles	1 x A3
T2 – ERT Profiles	1 x A3
T3 – ERT Profiles	1 x A3
T4 – ERT Profiles	1 x A3
T5 – ERT Profiles	1 x A3
T6 – ERT Profiles	1 x A3
T7 – ERT Profiles	1 x A3
T8 – ERT Profiles	1 x A3
T9 – ERT Profiles	1 x A3
T10 – ERT Profiles	1 x A3
T11 – ERT Profiles	1 x A3

As-built Geophysical Surveys Including Annotated Electromagnetic Conductivity Survey (L1A): 1 x A3

T1, T3, T6, T9 and T10

2D Annotated Contour Plot

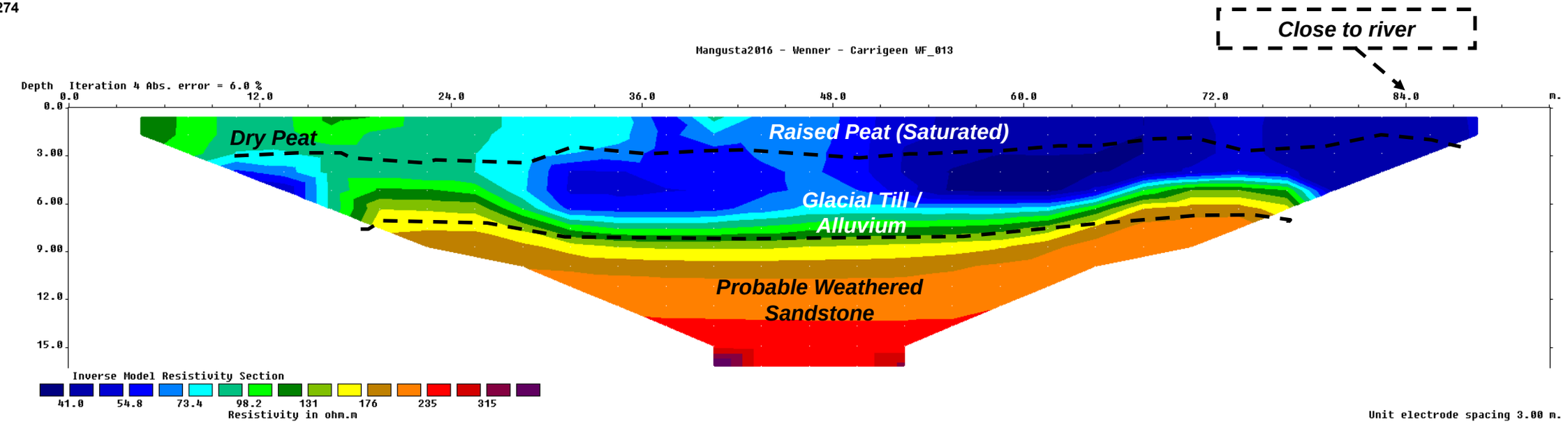
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT

E = 575496.58
N = 790473.90
Z = 66.6274

Turbine T1, N-S profile

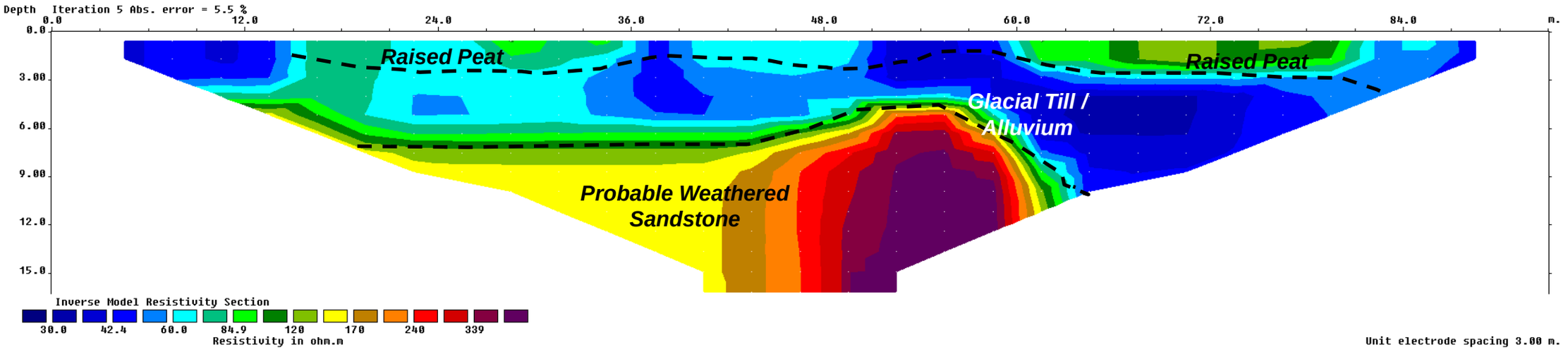
575451.82 = E
790376.44 = N
66.95 = Z



E = 575431.64
N = 790448.93
Z = 66.5795

Turbine T1, W-E profile

575540.46 = E
790419.36 = N
66.71 = Z



Notes:

1. Interpretation is based only on the geophysical survey data acquired and available records for the site.
2. Coordinates and elevations provided are to Irish Transverse Mercator (ITM) and Malin Head Ordnance Datum.
3. Drawings are Not To Scale.

Key To Sections

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- Limestone (generally >1000 Ωm)
- Weathered limestone (generally 20 - 400 Ωm)

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Interpreted Electrical Resistivity Data Profiles Turbine T1, N-S & W-E

Carrigeen Renewable Energy Development

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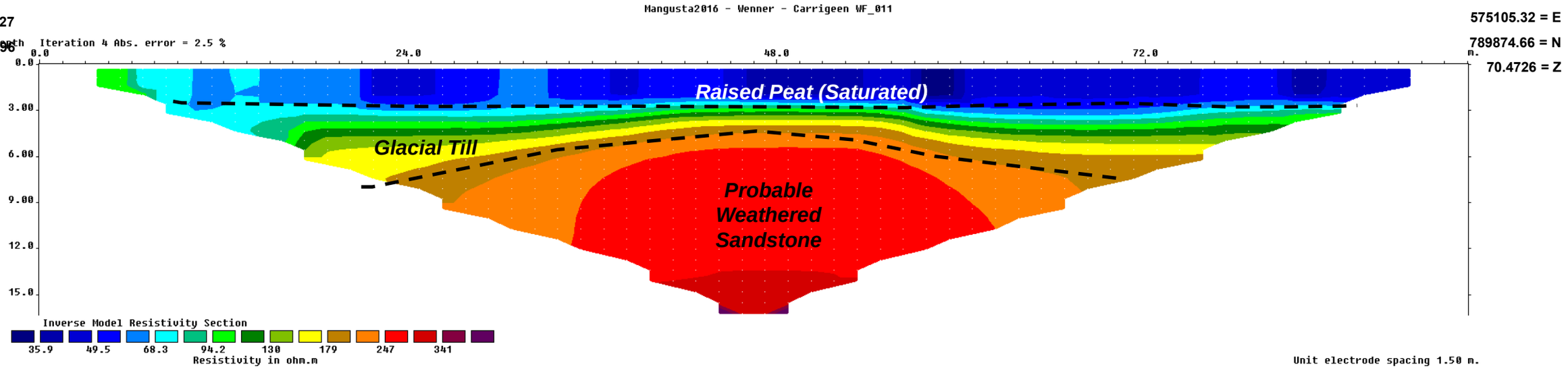
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

Turbine T2, N-S profile

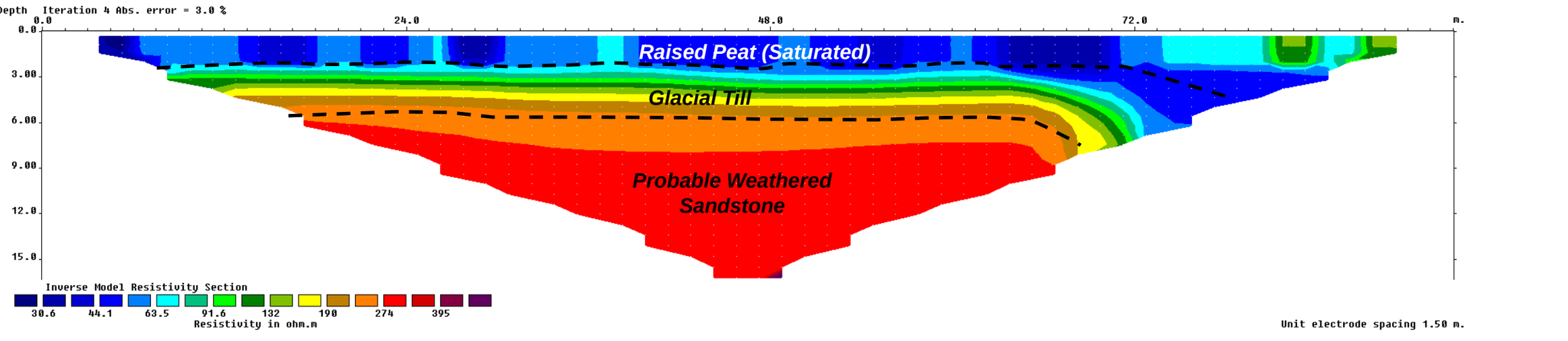
E = 575121.27
N = 789981.96
Z = 71.5005



575105.32 = E
789874.66 = N
70.4726 = Z

Turbine T2, W-E profile

E = 575167.86
N = 789915.05
Z = 68.264



575073.99 = E
789971.96 = N
69.58 = Z

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Interpreted Electrical Resistivity Data Profiles Turbine T2, N-S & W-E

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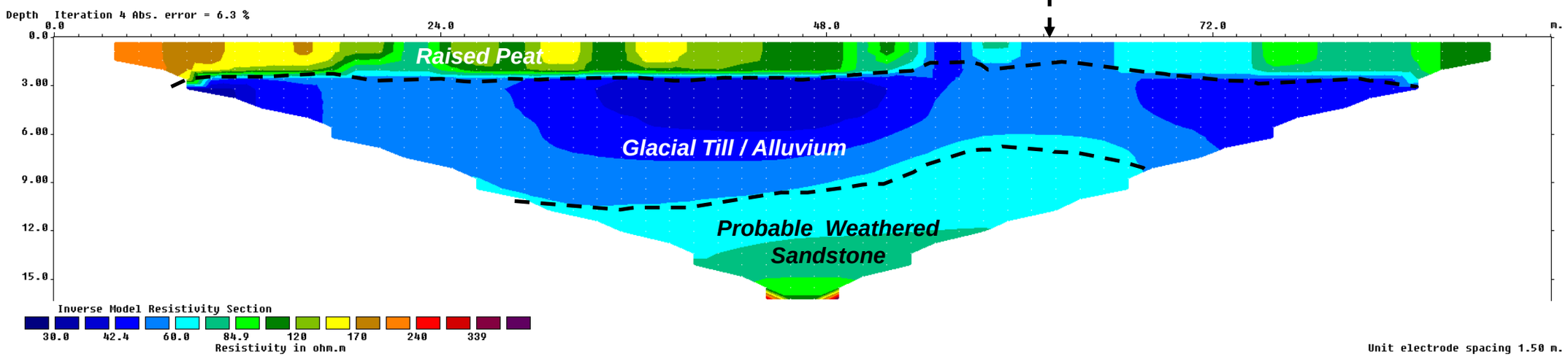
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

E = 575756.28
N = 789947.49
Z = 69.90

Turbine T3, N-S profile

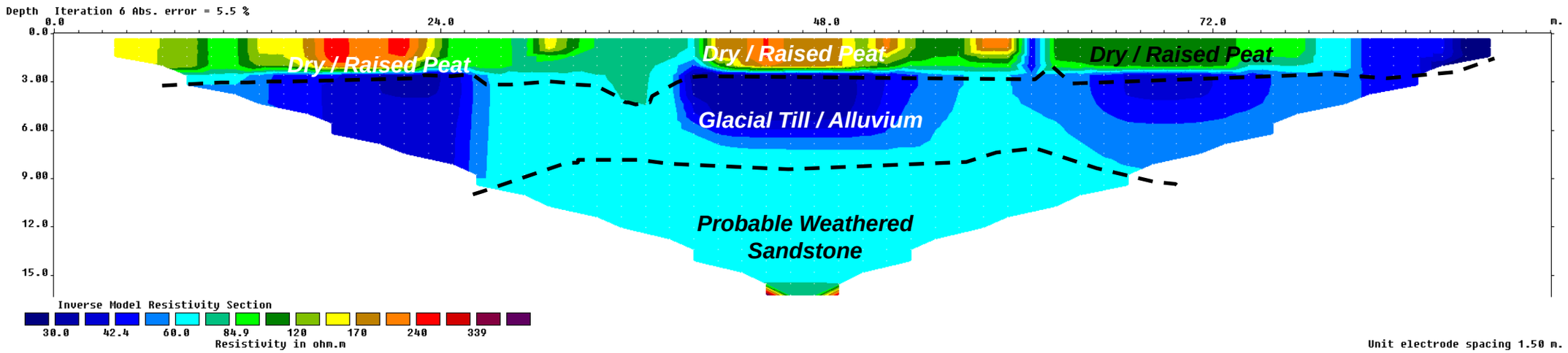
575798.29 = E
789841.43 = N
68.18 = Z



E = 575731.99
N = 789879.33
Z = 70.5414

Turbine T3, W-E profile

575838.77 = E
789905.34 = N
65.9274 = Z



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Interpreted Electrical Resistivity Data Profiles Turbine T3, N-S & W-E

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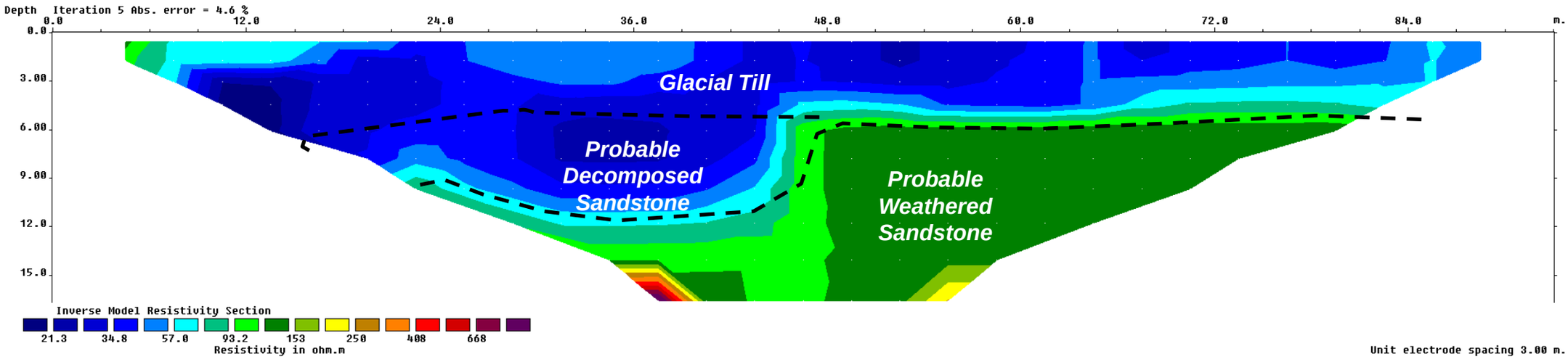
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

E = 576166.61
N = 789727.94
Z = 68.6832

Turbine T4, N-S profile

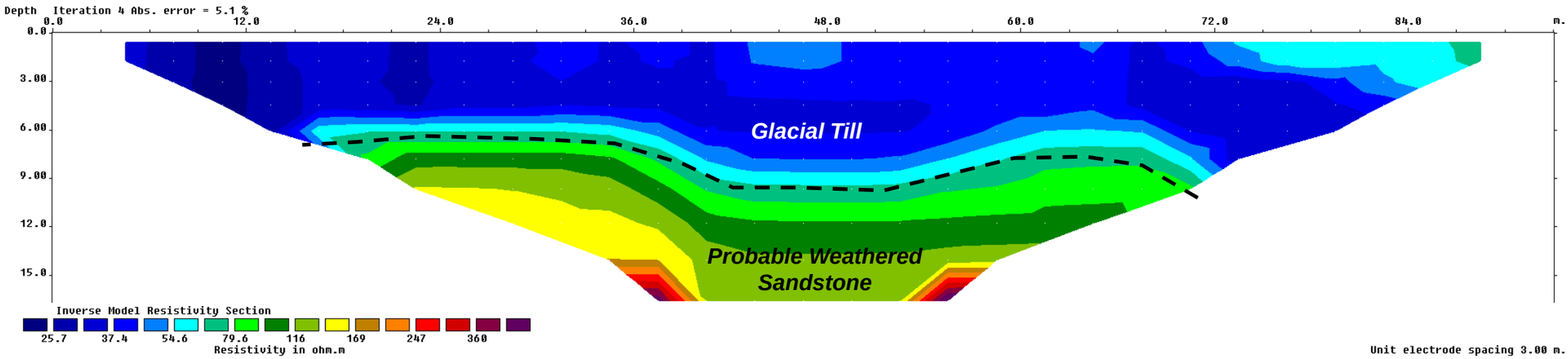
576113.42 = E
789623.91 = N
69.0517 = Z



E = 576082.49
N = 789718.36
Z = 67.0852

Turbine T4, W-E profile

576177.88 = E
789660.48 = N
68.3925 = Z



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Interpreted Electrical Resistivity Data Profiles Turbine T4, N-S & W-E

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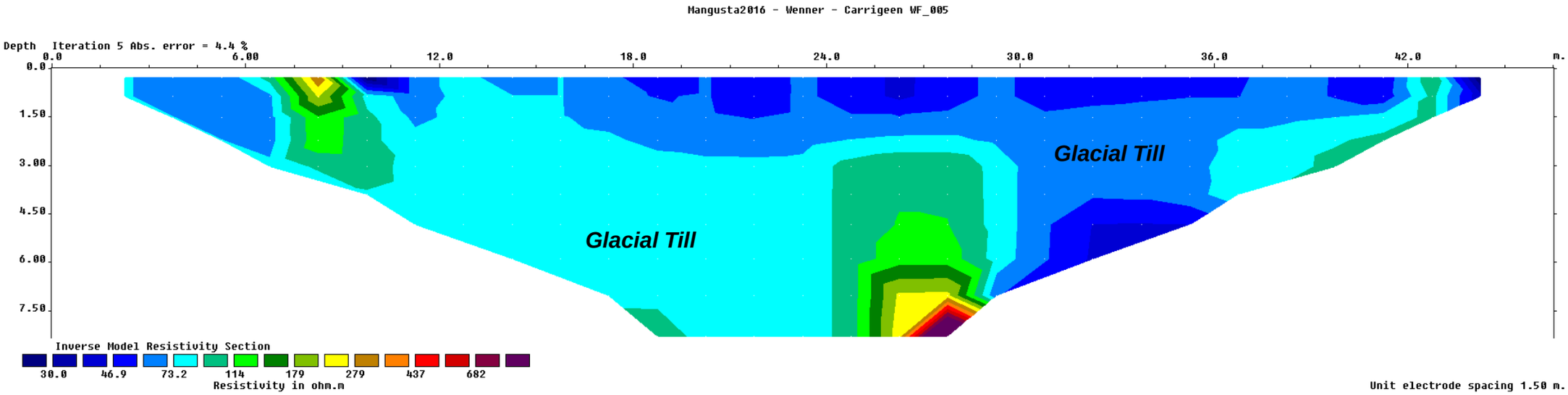
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

Turbine T5, N-S profile

E = 575274.84
N = 789218.06
Z = 69.1699

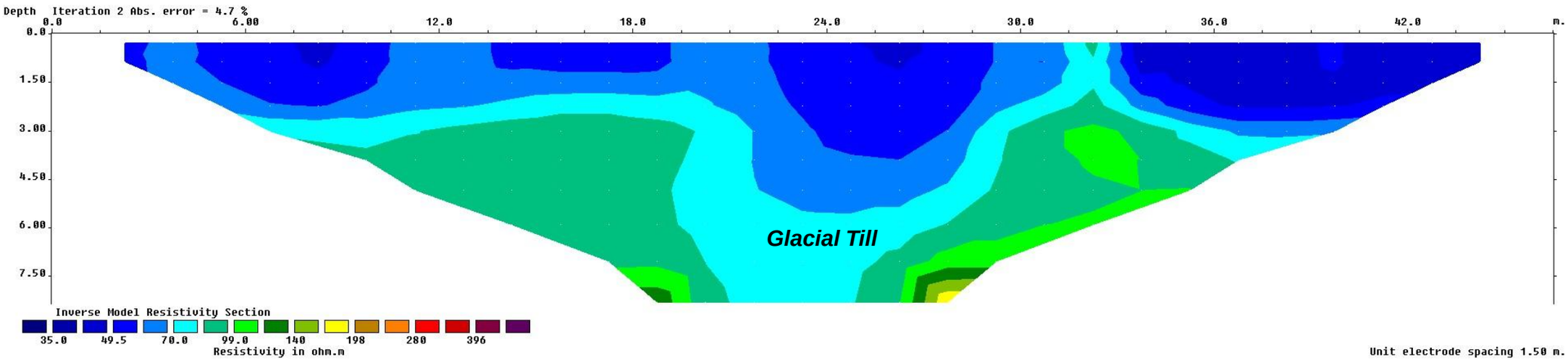
576249.96 = E
789155.38 = N
68.3371 = Z



Turbine T5, W-E profile

E = 576209.73
N = 789204.41
Z = 71.3729

576278.53 = E
789171.46 = N
71.3566 = Z



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Interpreted Electrical Resistivity Data Profiles Turbine T5, N-S & W-E					
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2278-24 Carrigeen Renewable Energy Development – Site Investigation

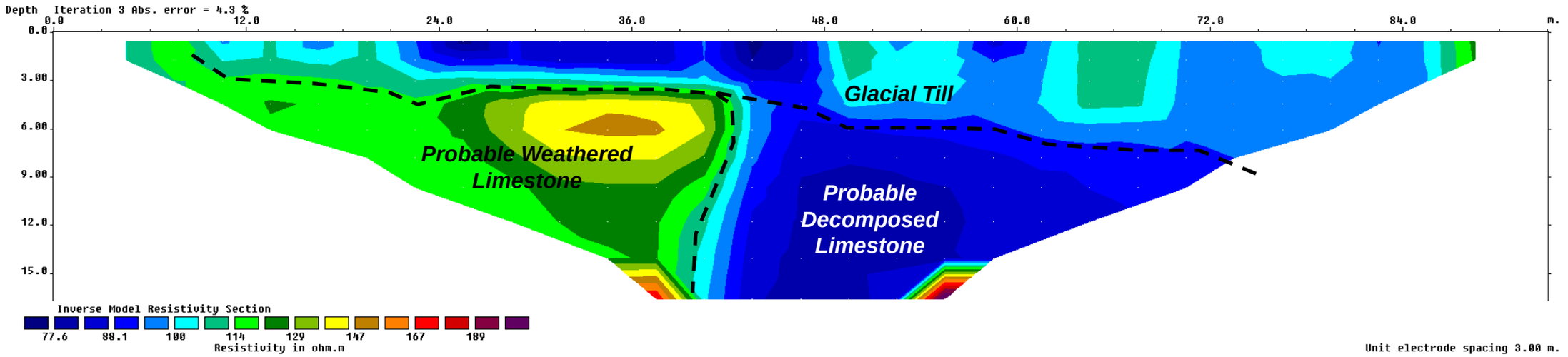
2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

E = 576698.29
N = 788968.38
Z = 71.9398

Turbine T6, SW-NE profile

Mangusta2016 - Wenner - Carrigeen WF_003

576619.66 = E
788913.16 = N
71.8198 = Z



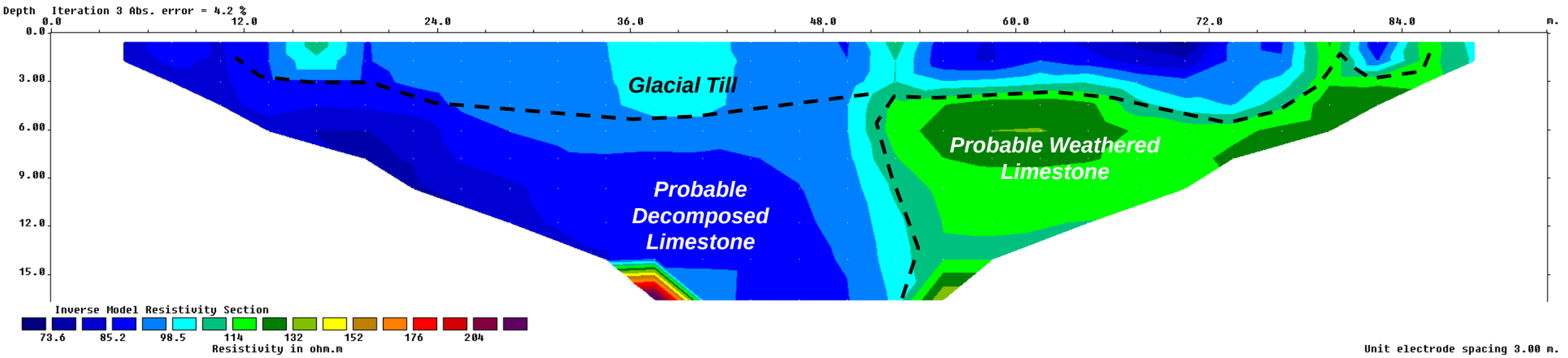
Unit electrode spacing 3.00 m.

E = 576632.96
N = 788978.54
Z = 71.488

Turbine T6, SE-NW profile

Mangusta2016 - Wenner - Carrigeen WF_004

576693.37 = E
788905.12 = N
71.847 = Z



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Interpreted Electrical Resistivity Data Profiles Turbine T6, SW-NE & SW-NE

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2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

Turbine T7, N-S profile

E = 577092.74

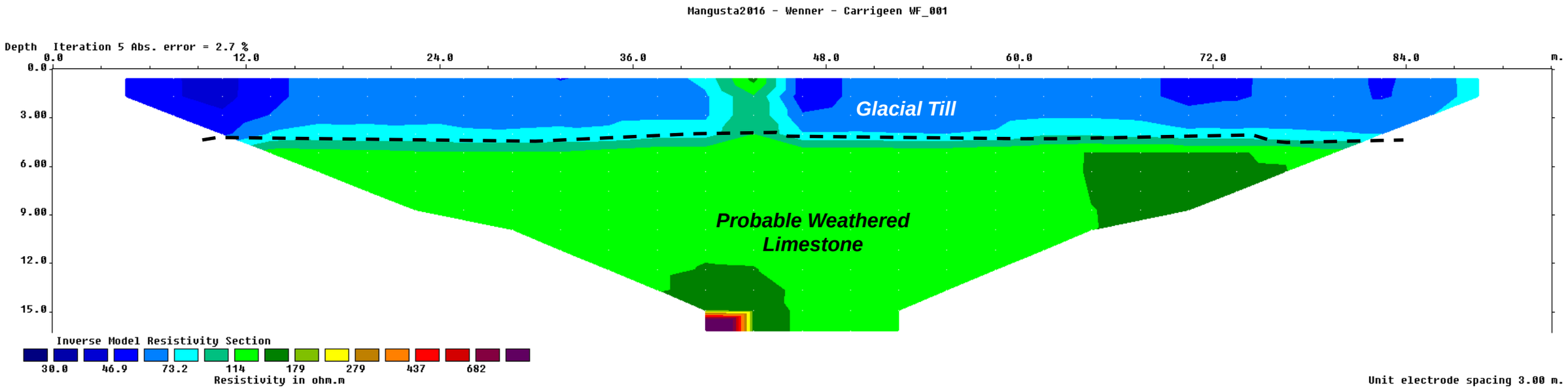
N = 789028.74

Z = 69.0807

577128.24 = E

788902.04 = N

69.0578 = Z



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Interpreted Electrical Resistivity Data Profiles Turbine T7, N-S & W-E

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2278-24 Carrigeen Renewable Energy Development – Site Investigation

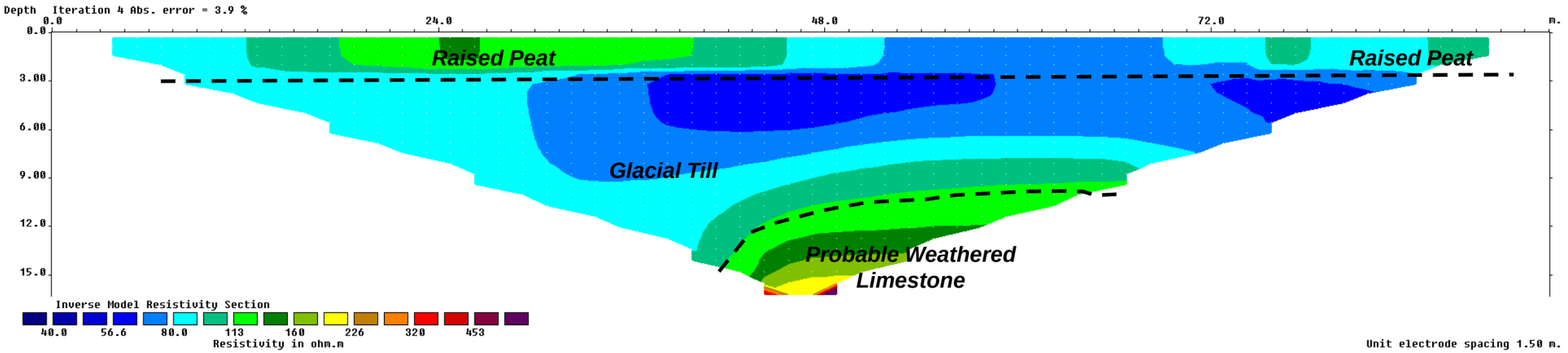
2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

Turbine T8, N-S profile

E = 579816.13

N = 790739.12

Z = 72.362



579818.51 = E

790646.62 = N

74.0245 = Z

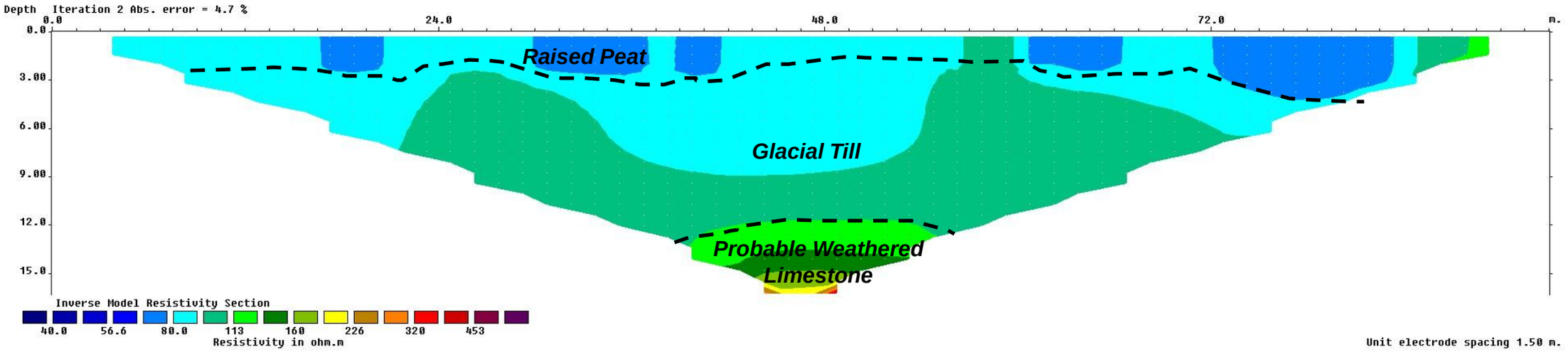
Unit electrode spacing 1.50 m.

Turbine T8, W-E profile

E = 579776.378

N = 790655.64

Z = 74.1626



579868.56 = E

790663.41 = N

74.9002 = Z

Unit electrode spacing 1.50 m.

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Interpreted Electrical Resistivity Data Profiles Turbine T8, N-S & W-E

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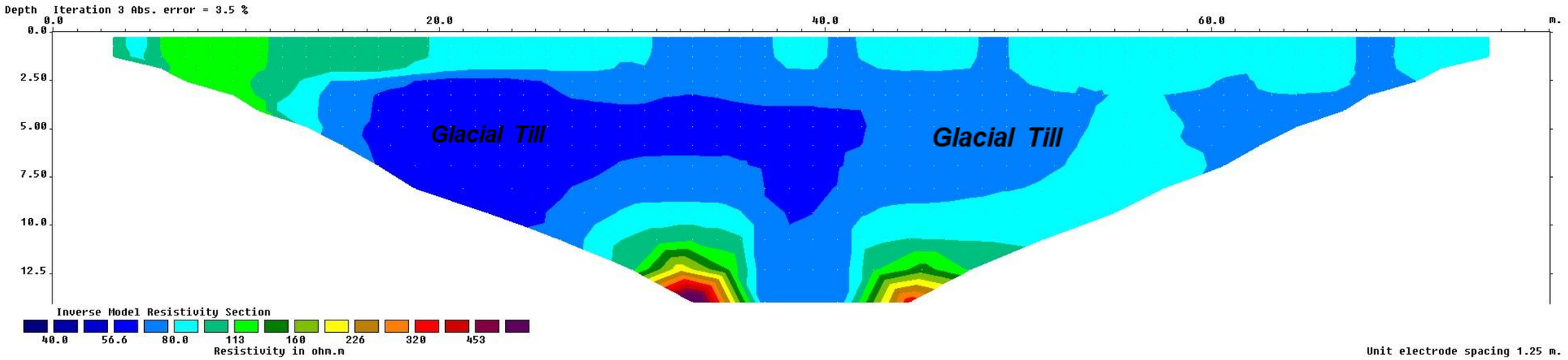
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

E = 580287.25
N = 790673.87
Z = 72.2287

Turbine T9, N-S profile

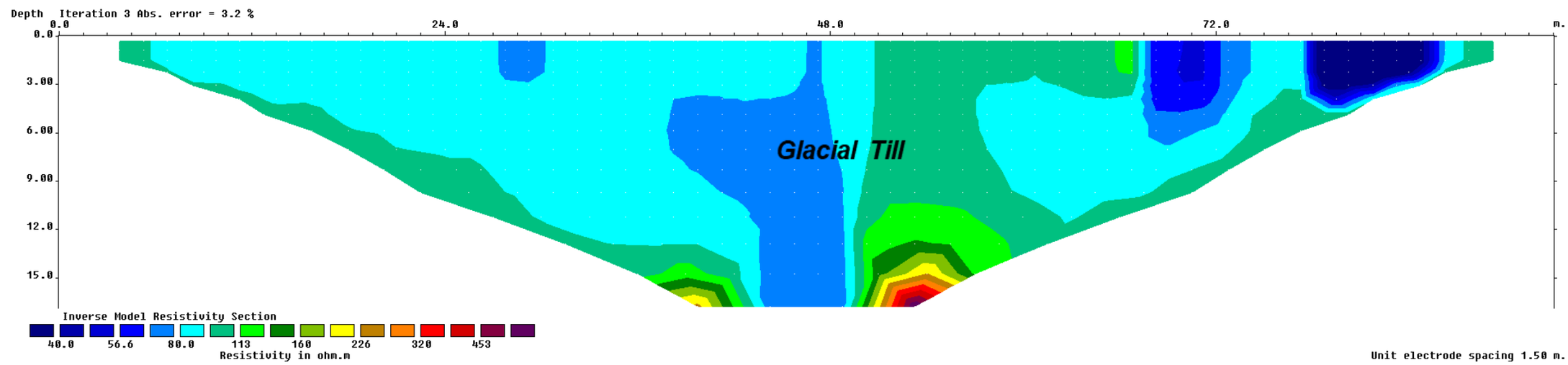
580295.73 = E
790597.26 = N
74.8401 = Z



E = 580257.60
N = 790598.82
Z = 75.045

Turbine T9, W-E profile

580349.86 = E
790610.72 = N
74.9146 = Z



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Interpreted Electrical Resistivity Data Profiles Turbine T9, N-S & W-E

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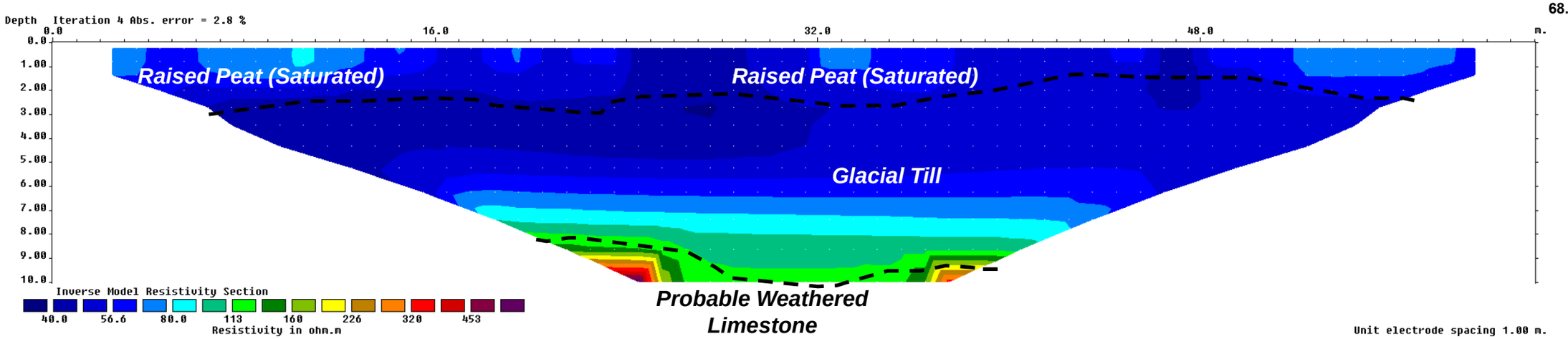
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

Turbine T10, N-S profile

E = 580962.86
N = 790364.27
Z = 68.9767

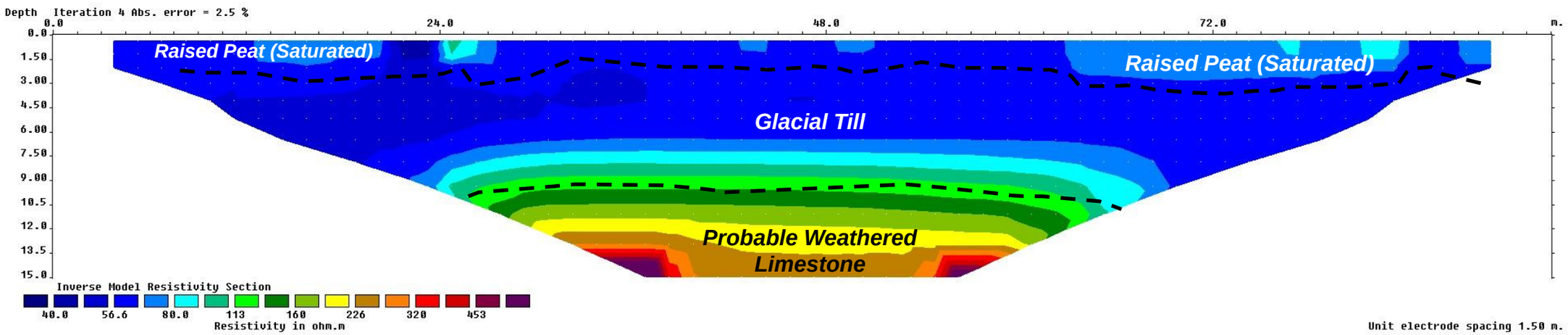
580970.78 = E
790303.16 = N
68.9587 = Z



Turbine T10, W-E profile

E = 580954.896
N = 790351.276
Z = 68.9681

581047.67 = E
790350.48 = N
68.6093 = Z



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Interpreted Electrical Resistivity Data
Profiles Turbine T10, N-S & W-E

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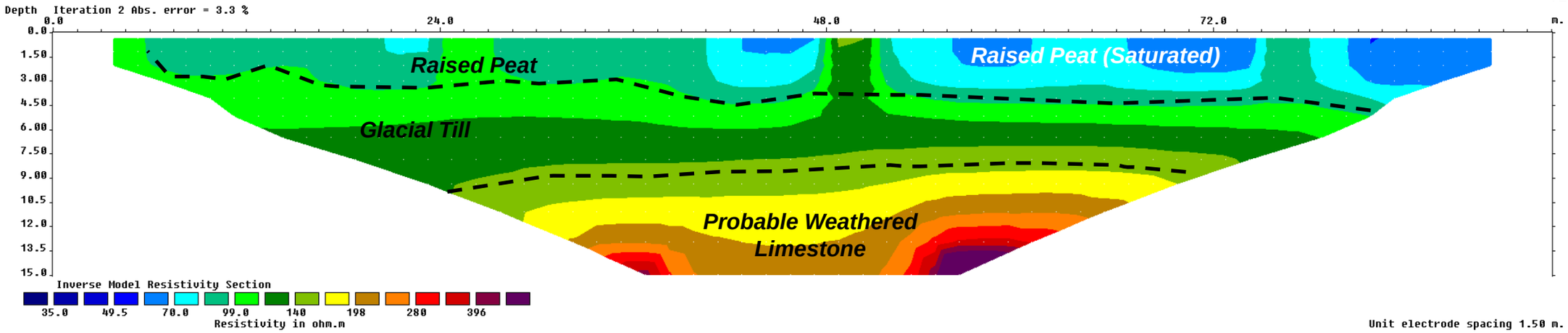
2278-24 Carrigeen Renewable Energy Development – Site Investigation

2D Electrical Resistivity Tomography Survey – Interpretation at ERT Profile

Turbine T11, N-S profile

E = 580484.37
N = 790165.93
Z = 74.1129

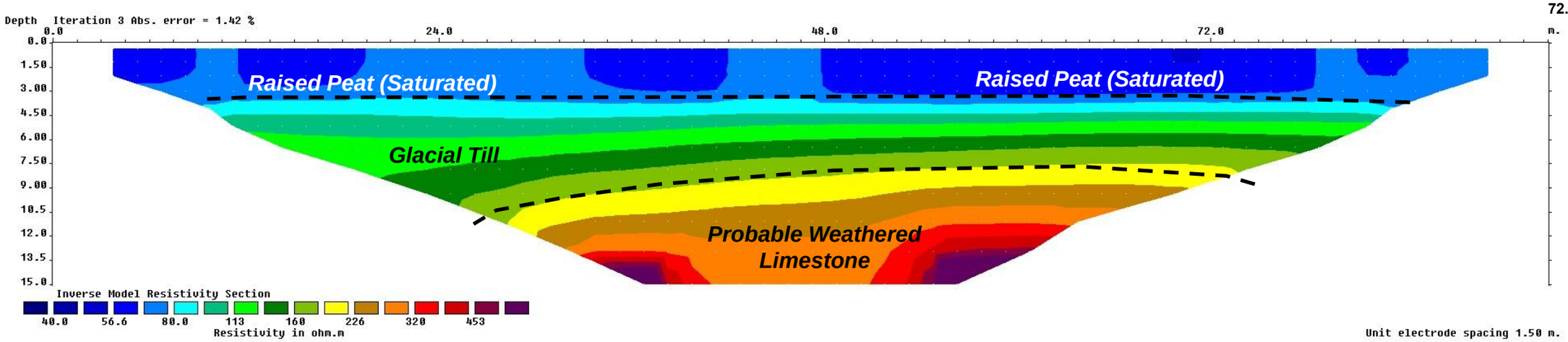
580425.80 = E
790096.29 = N
72.0868 = Z



Turbine T11, W-E profile

E = 580480.74
N = 790073.46
Z = 71.1973

580404.15 = E
790125.68 = N
72.9992 = Z



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Interpreted Electrical Resistivity Data Profiles Turbine T11, N-S & W-E

Carrigeen Renewable Energy Development

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APPENDIX D

UPDATED PEAT LANDSLIDE HAZARD RANKINGS FOR WIND FARM SITE

Peat Landslide Hazard Assessment Ranking for Main Infrastructure and Site Tracks — 2 x A4

2278-24 Carrigeen Wind Farm

Preliminary Assessment of Landslide Hazard – Main Structures

Updated 2nd March 2026

Turbine Location I.D.	Risk Factors Applied											Total Risk Classification	Maximum Exposure (Type)		Prelim. Hazard Ranking (HR)
	Peat Thickness (m) / Risk		Max. Slope Gradient (Degrees / Risk		Drainage Issues	Peat Landforms	Sonic / Seismic Activity	Peat Degrad-ation	Peat Strength (kPa)	Annual Precipit-Ation (mm)	Peat Landslide History (<5km)				
T01	4.50	6	<3	0	0.5	0	0	0 H7	1 11kPa	0.5 (>1250)	0	8	2	Minor w/c within 200m	**16**
T02	0.7	0.5	<3	0	1.0 (in forestry	0	0	0 H7	1 14kPa	0.5 (>1250)	0	3	2.5	Minor w/c within 100m	**7.5**
T03	4.50	6	<3	0	0.5	0	0	0 H7	1 13kPa	0.5 (>1250)	0	8	1.5	Minor w/c within 500m from minor w/c.*	**12**
T04	1.60	1	<3	0	1.0 (in forestry	0	0	0 H8	1 14kPa	0.5 (>1250)	0	3.5	2	Minor w/c within 200m	**7**
T05	0.40	0	<3	0	1.0 (in forestry)	0	0	0 H1	0 est. 20kPa	0.5 (>1250)	0	1.5	1.5	Minor w/c within 500m from minor w/c	**2.25**
T06	1.20	1	<3	0	0.5	0	0	0 H2	0 20kPa	0.5 (>1250)	0	2	1	No sensitive receptor within relevant buffer	**2**
T07	1.60	1	<3	0	1.0 (in forestry	0	0	0 H7	1 14kPa	0.5 (>1250)	0	3.5	1	No sensitive receptor within relevant buffer	**3.5**
T08	2.20	2	<3	0	0.5	0	0	0 H6	0 29kPa	0.5 (>1250)	0	3	1.5	Minor w/c within 500m from minor w/c	**4.5**
T09	2.00	2	<3	0	0.5	0	0	0 H6	1 19kPa	0.5 (>1250)	0	4	1.5	Minor w/c within 500m from minor w/c	**6**
T10	1.80	1	<3	0	1.0 (in forestry)	0	0	0 H7	1 12kPa	0.5 (>1250)	0	3.5	1	No sensitive receptor within relevant buffer	**3.5**
T11	0.60	0.5	<3	0	1.0 (in forestry)	0	0	0 H5	1 11kPa	0.5 (>1250)	0	3	2.5	Minor w/c within 100m	**7**
SUBSTATION*	2.00	2	<3	0	1.0 (in forestry)	0	0	0 H7 (est.)	0 est. 20kPa	0.5 (>1250)	0	3.5	2	Minor w/c within 200m	**7**

Preliminary Assessment of Landslide Hazard – Site Track Network

Updated 2nd March 2026

Turbine Location I.D.	Risk Factors Applied											Total Risk Classification	Maximum Exposure (Type)		Prelim. Hazard Ranking (HR)
	Peat Thickness (m) / Risk		Max. Slope Gradient (Degrees / Risk		Drainage Issues	Peat Landforms	Sonic / Seismic Activity	Peat Degrad-ation	Peat Strength (kPa)	Annual Precipit-Ation (mm)	Peat Landslide History (<5km)				
Site Entrance 1 to T01	4.5	3	<3	0	0.5	0	0	0 H7	1 11kPa	0.5 (>1250)	0	5	2.5	Minor w/c within 100m	**12.5**
T01 to T02	4.5	3	<3	0	1.0 (in forestry	0	0	0 H7	1 14kPa	0.5 (>1250)	0	5.5	2.5	Crosses minor w/c	**13.75**
Site Entrance 2 to T04	4.5	3	<3	0	0.5	0	0	0 H8	1 14kPa	0.5 (>1250)	0	5	2.5	Minor w/c within 100m	**12.5**
T04 to T03	3.5	3	<3	0	1.0 (in forestry	0	0	0 H8	1 13kPa	0.5 (>1250)	0	5.5	2	Minor w/c within 200m	**11**
Spur at T04 to T05	2.8	3	<3	0	1.0 (in forestry)	0	0	0 H5	0 20kPa	0.5 (>1250)	0	4.5	1.5	Minor w/c within 500m	**6.75**
Spur at T05 to Spur at T07	3.5	3	<3	0	1.0 (in forestry)	0	0	0 H7	1 14kPa	0.5 (>1250)	0	5.5	1.5	Minor w/c within 500m	**8.25**
Site Entrance 3 to T07	2.7	3	<3	0	1.0 (in forestry	0	0	0 H7	1 14kPa	0.5 (>1250)	0	5.5	1	No sensitive receptor within relevant buffer	**5.5**
Site Entrance 1 to Substation	2.8	3	<3	0	1.0 (in forestry)	0	0	0 H7	1 16kPa	0.5 (>1250)	0	5.5	2.5	Crosses minor w/c	**13.75**
Substation to T11	2.0	3	<3	0	1.0 (in forestry)	0	0	0 H7	1 11kPa	0.5 (>1250)	0	5.5	2.5	Crosses minor w/c	**13.75**
Spur at T11 to T08	1.8	1	<3	0	1.0 (in forestry)	0	0	0 H7	1 12kPa	0.5 (>1250)	0	3.5	2.5	Crosses minor w/c	**8.75**

Hazard Ranking	Hazard Ranking Level	Action Suggested
≥17	**High**	Avoid project development at these locations
11 – 17	**Medium**	Project should not proceed unless risk can be avoided or mitigated at these locations, without significant environmental impact, in order to reduce hazard ranking to Low or Negligible
5 – 10	**Low**	Project may proceed through the use of mitigation techniques applied during construction.
0 – 4	**Negligible**	Project should proceed with monitoring and mitigation of peat landslide hazards at these locations as appropriate

APPENDIX E

LABORATORY TESTING RESULTS

Bulk Density	1 x A4
Natural Moisture Content	1 x A4
Partial Size Distribution	8 x A4
Sulphate Content of Water Extract, Chloride Content of Water Extract, Sulphide Content of Water Extract & pH	8 x A4

Bulk Density

Project Name: Carrigeen Renewable Energy Development

Job No: 2278-24

Client: CARRAIGIN POWER LTD

Hole ID	Depth (m)	Bulk Density (kg/m^3)	Dry Density (kg/m^3)
TP1	2.80	1259	451
TP3	2.50	1008	81
TP7	0.80	1017	111
TP9	2.30	1822	1564
TP10	3.40	2285	2057
TP11	1.30	2265	260
TP12	3.50	2206	1967

Operator	Checked	Approved
Dr Sivakumar QUB	JMcN	JW

Test Method: BS 1377 Part 2: 2022

Moisture Content Results

Project Name: Carrigeen Renewable Energy Development

Job No: 2278-24

Client: CARRAIGIN POWER LTD

Hole ID	Depth (m)	Moisture Content %
TP	2.8	178.9
TP3	2.5	1141.9
TP3.	3.2	213.9
TP4	0.7	8.6
TP6	1.5	13.5
TP6	3.0	8.9
TP7	0.8	819.1
TP8	4.4	12.9
TP9	2.3	16.5
TP10	3.4	11.1
TP11	1.3	771.4
TP12	3.5	12.2

Operator	Checked	Approved
Dr Sivakumar - QUB	J.McN	J.W

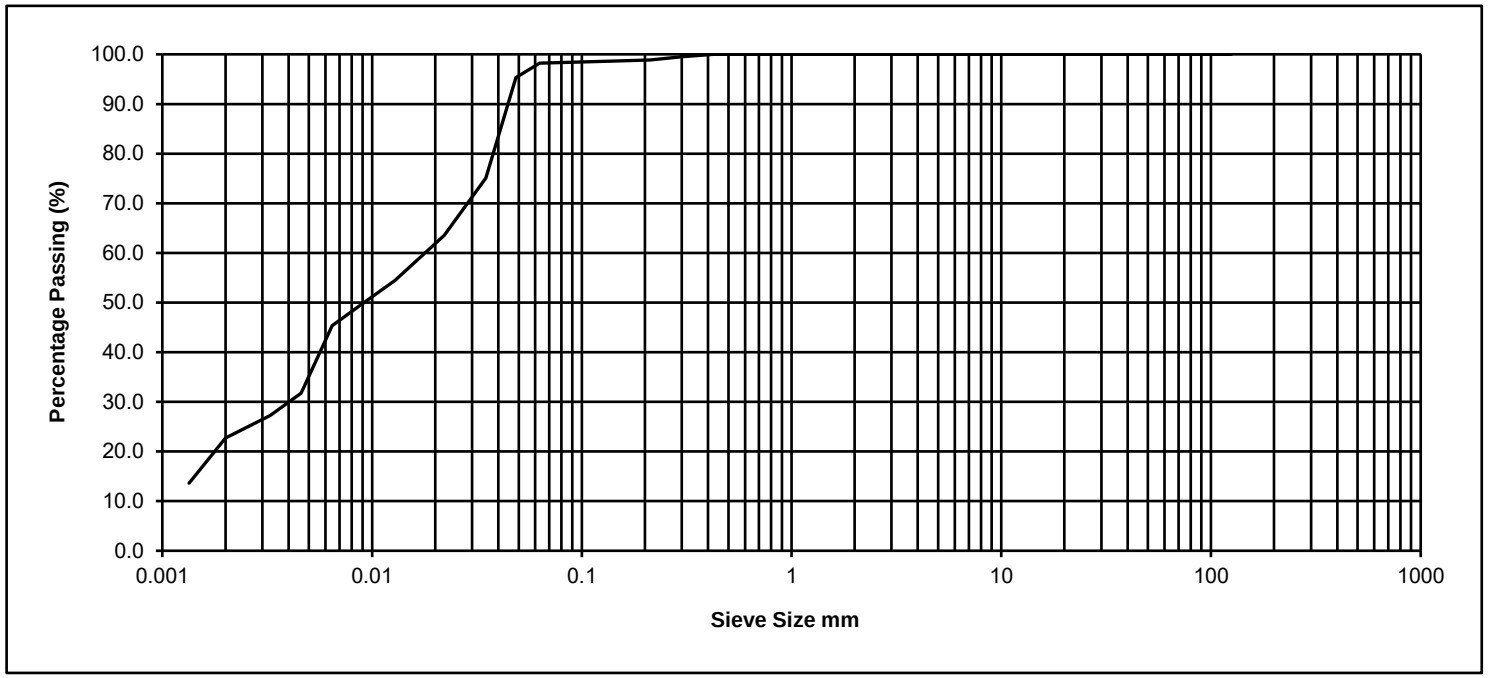
BS 1377 Part 2: 2022

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	100.0
20.000	100.0
14.000	100.0
10.000	100.0
6.300	100.0
5.000	100.0
3.350	100.0
2.000	100.0
1.180	100.0
0.600	100.0
0.425	100.0
0.300	99.5
0.212	98.9
0.150	98.7
0.063	98.2
0.048	95.3
0.035	75.1
0.022	63.5
0.013	54.5
0.009	49.9
0.006	45.4
0.005	31.8
0.003	27.2
0.002	22.7
0.001	13.6



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
22.7		75.5			1.8			0.0		0.0	0.0

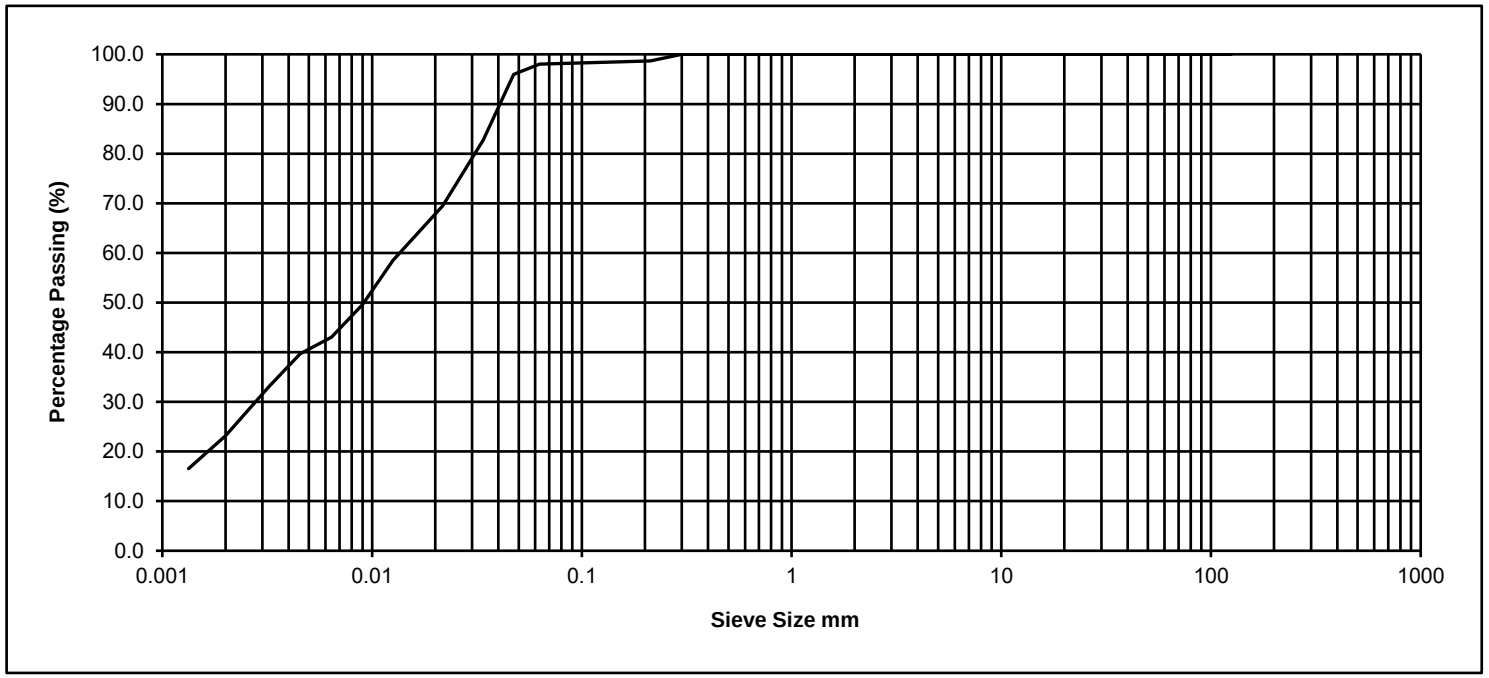
Sample Description	Clayey SILT					Project No.	2278-24
						BH/TP No.	TP1
Project	Carrigeen Renewable Energy Development					Sample No.	
Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025
						Depth	2.8m

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	100.0
20.000	100.0
14.000	100.0
10.000	100.0
6.300	100.0
5.000	100.0
3.350	100.0
2.000	100.0
1.180	100.0
0.600	100.0
0.425	100.0
0.300	100.0
0.212	98.7
0.150	98.5
0.063	98.0
0.047	96.0
0.034	82.7
0.022	69.5
0.013	58.5
0.009	49.6
0.006	43.0
0.005	39.7
0.003	33.1
0.002	23.2
0.001	16.5



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
23.2		74.8			2.0			0.0		0.0	0.0

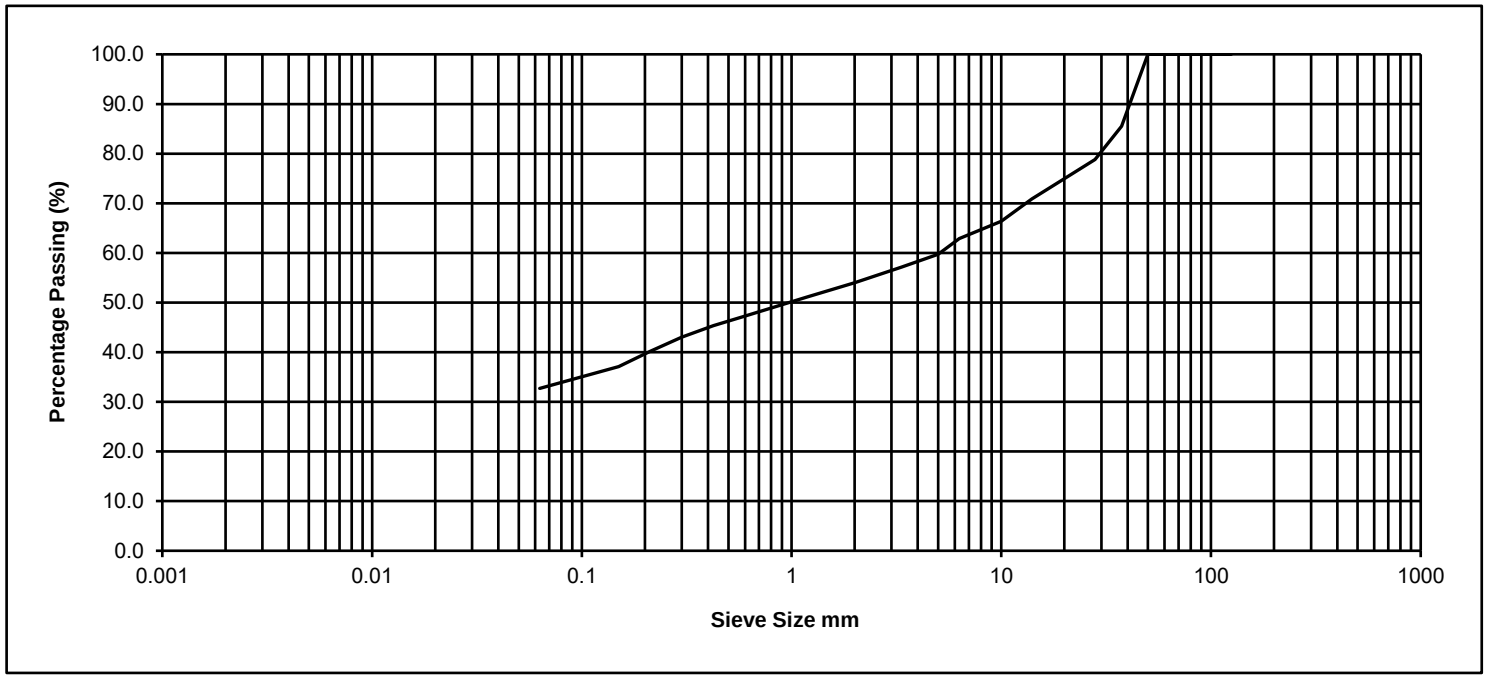
Sample Description	Clayey SILT					Project No.	2278-24
						BH/TP No.	TP3
Project	Carrigeen Renewable Energy Development					Sample No.	
Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025
						Depth	3.2m

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	85.5
28.000	78.8
20.000	74.9
14.000	70.9
10.000	66.4
6.300	62.9
5.000	59.7
3.350	57.2
2.000	54.0
1.180	51.1
0.600	47.3
0.425	45.3
0.300	43.0
0.212	40.2
0.150	37.1
0.063	32.7



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
		32.7			21.3			46.0		0.0	0.0

Sample Description: Gravelly sandy SILT

Project: Carrigeen Renewable Energy Development

Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025

Project No. 2278-24

BH/TP No. TP4

Sample No.

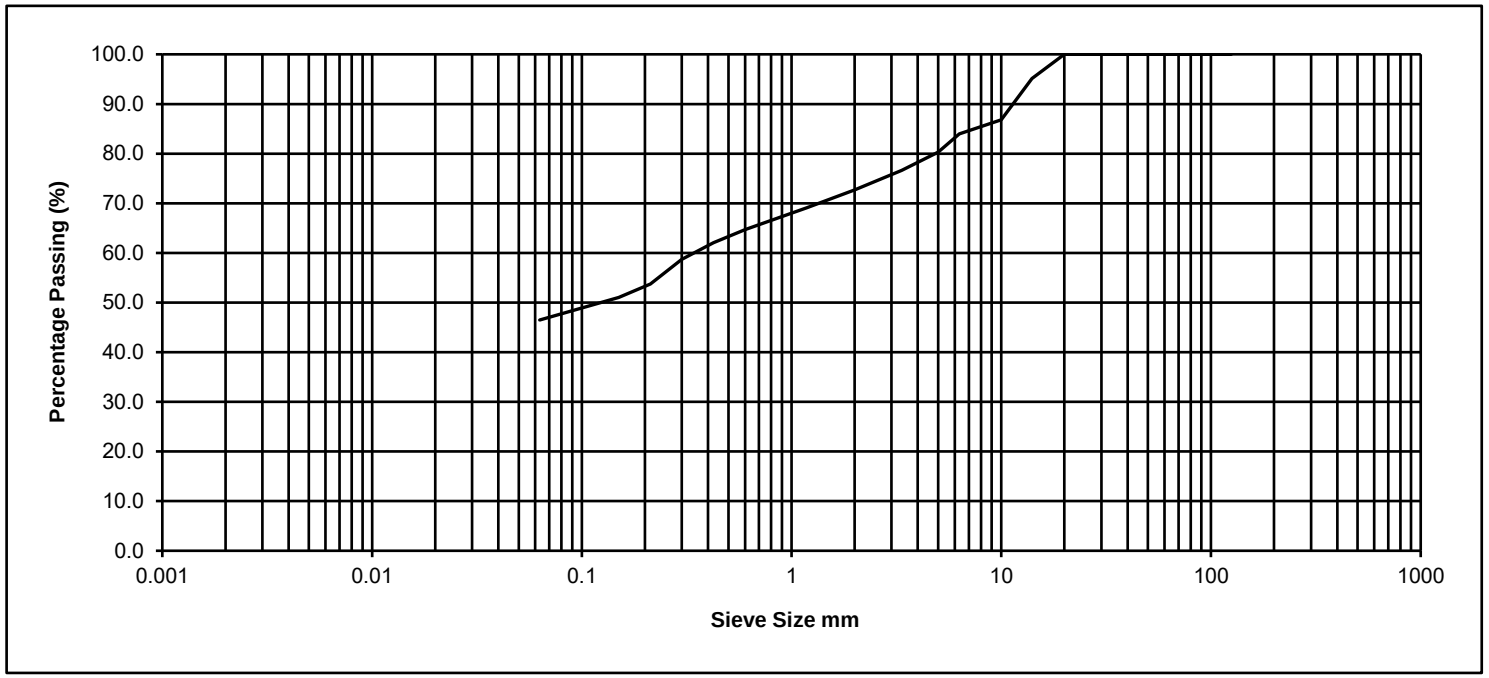
Depth 1.5m

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	100.0
28.000	100.0
20.000	100.0
14.000	95.1
10.000	86.8
6.300	83.9
5.000	80.3
3.350	76.6
2.000	72.7
1.180	69.1
0.600	64.7
0.425	62.1
0.300	58.7
0.212	53.8
0.150	51.0
0.063	46.5



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
		46.5			26.2			27.3		0.0	0.0

Sample Description: Gravelly sandy SILT

Project: Carrigeen Renewable Energy Development

Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025

Project No. 2278-24

BH/TP No. TP6

Sample No.

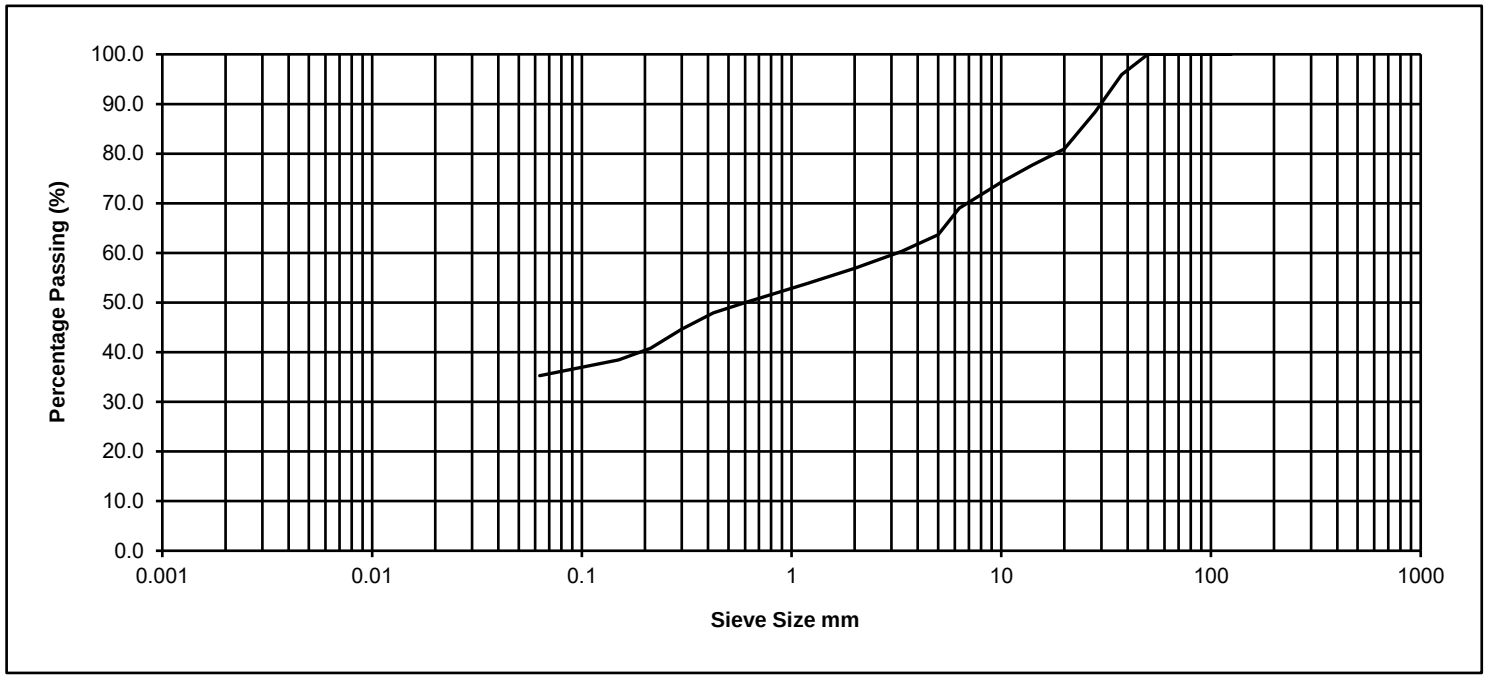
Depth 1.5m

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	95.9
28.000	88.4
20.000	80.9
14.000	77.6
10.000	74.2
6.300	69.0
5.000	63.7
3.350	60.3
2.000	56.9
1.180	53.8
0.600	50.0
0.425	48.0
0.300	44.7
0.212	40.8
0.150	38.4
0.063	35.3



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
		35.3			21.6			43.1		0.0	0.0

Sample Description: Gravelly sandy SILT

Project: Carrigeen Renewable Energy Development

Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025

Project No. 2278-24

BH/TP No. TP6

Sample No.

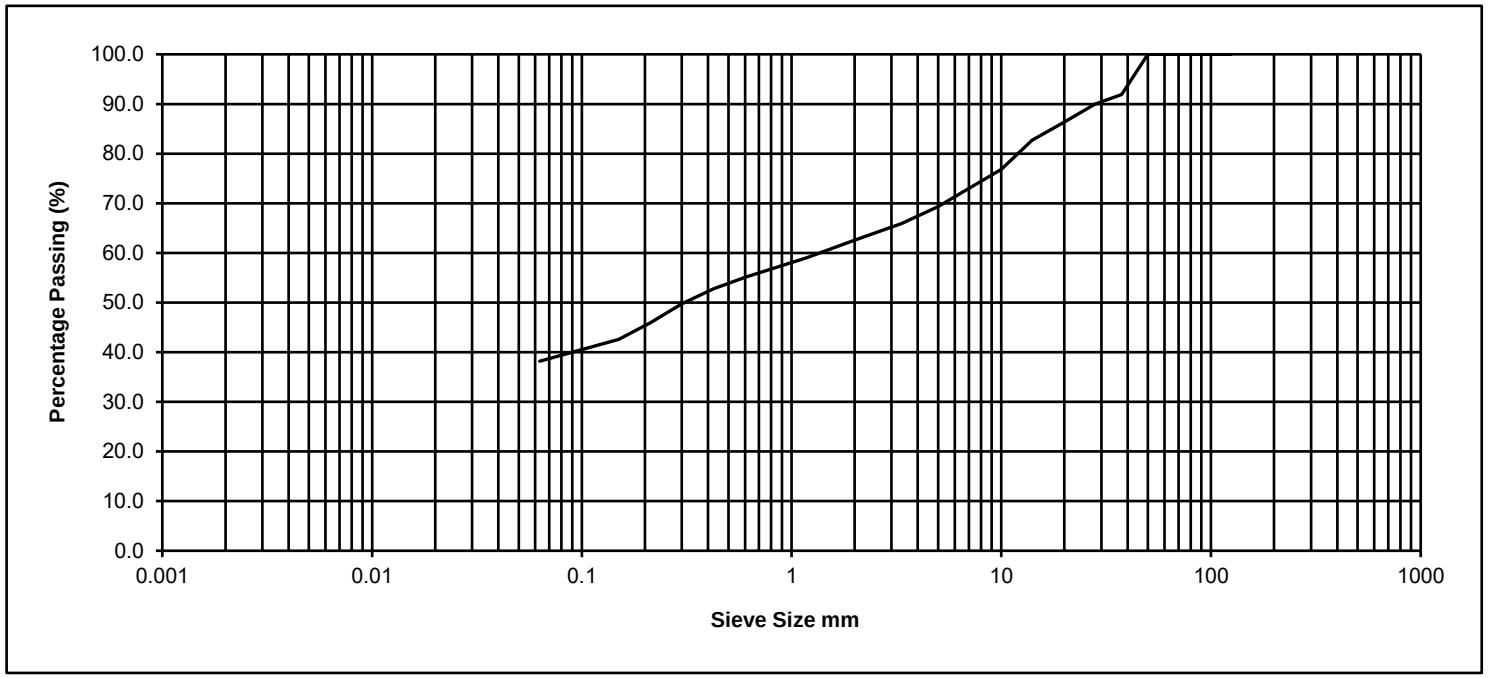
Depth 3.0m

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	91.9
28.000	90.0
20.000	86.4
14.000	82.7
10.000	76.8
6.300	71.8
5.000	69.3
3.350	65.9
2.000	62.6
1.180	59.1
0.600	55.1
0.425	52.8
0.300	49.7
0.212	45.9
0.150	42.6
0.063	38.2



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
		38.2			24.4			37.4		0.0	0.0

Sample Description: Gravelly sandy SILT

Project: Carrigeen Renewable Energy Development

Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025

Project No. 2278-24

BH/TP No. TP8

Sample No.

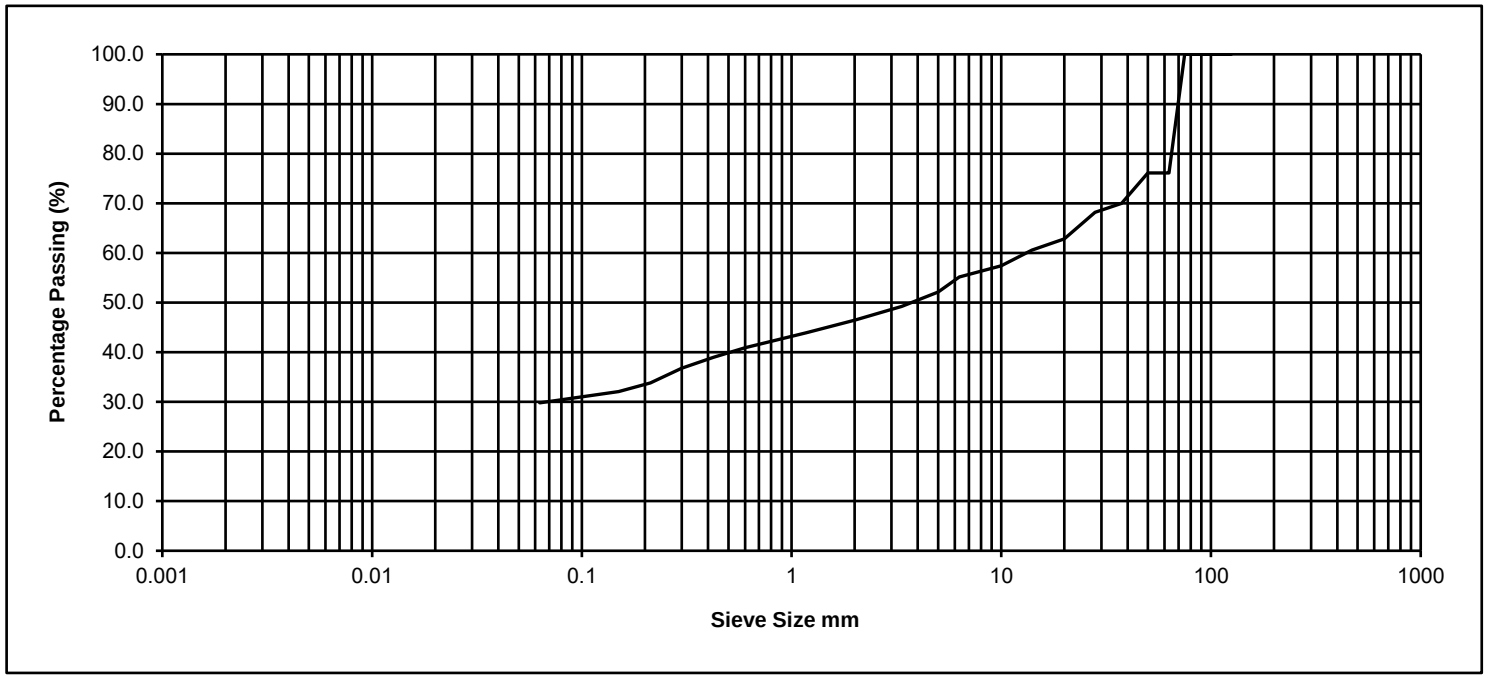
Depth 4.4m

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	76.1
50.000	76.1
37.500	70.0
28.000	68.2
20.000	62.9
14.000	60.5
10.000	57.4
6.300	55.2
5.000	52.1
3.350	49.2
2.000	46.4
1.180	43.9
0.600	40.9
0.425	38.9
0.300	36.8
0.212	33.8
0.150	32.1
0.063	29.8



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
		29.8			16.6			29.7		0.0	0.0

Sample Description: Gravelly sandy SILT

Project: Carrigeen Renewable Energy Development

Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025

Project No. 2278-24

BH/TP No. TP10

Sample No.

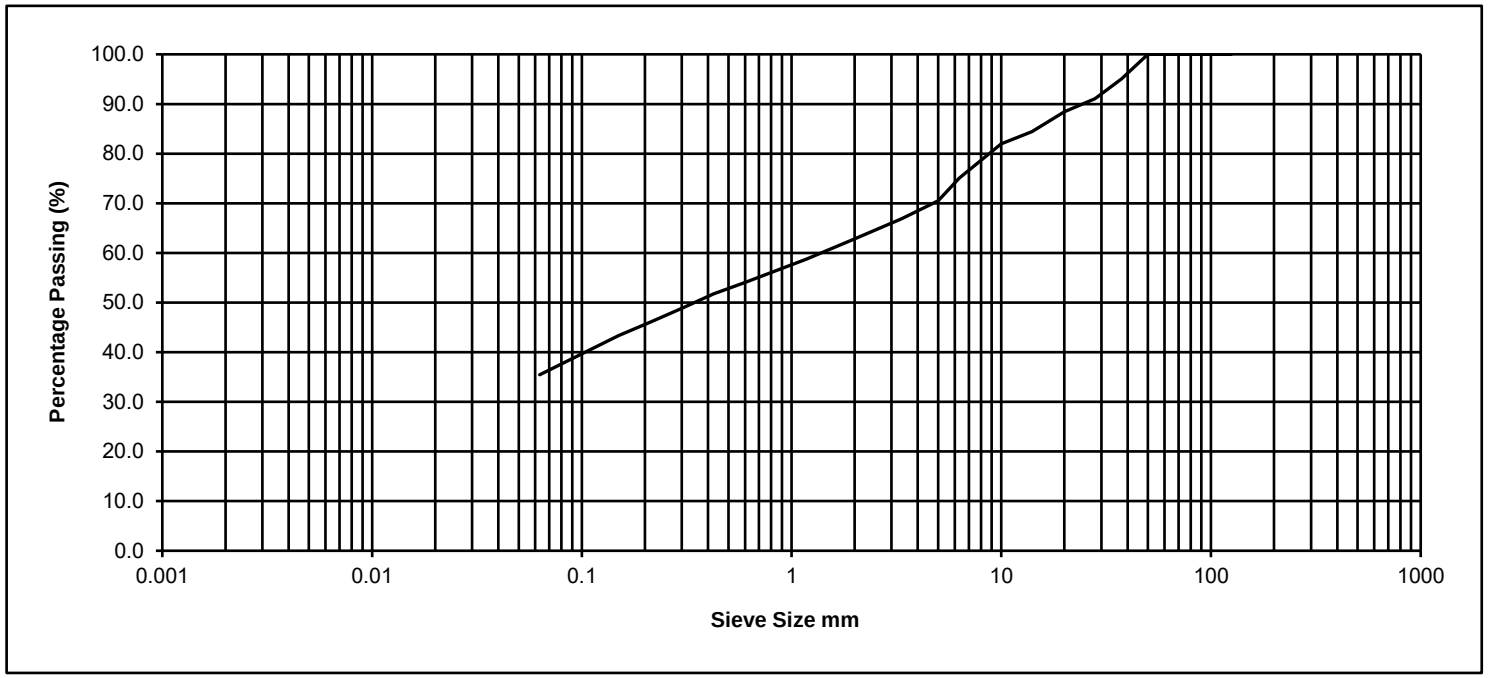
Depth 3.4m

VINI Geotechnical Testing

Determination of Particle Size Distribution

BS 1377 : 1990 : Part 2 : Clauses 9.2 & 9.5

Sieve Size mm	% Passing
125.000	100.0
75.000	100.0
63.000	100.0
50.000	100.0
37.500	95.1
28.000	91.0
20.000	88.4
14.000	84.4
10.000	82.0
6.300	75.0
5.000	70.5
3.350	66.9
2.000	62.8
1.180	58.8
0.600	54.0
0.425	51.7
0.300	48.8
0.212	46.1
0.150	43.4
0.063	35.5



Percentage Particle Size

Clay	Fine	Medium	Coarse	Fine	Medium	Coarse	Fine	Medium	Coarse	Cobbles	Boulder
		Silt			Sand			Gravel			
		35.5			27.4			37.2		0.0	0.0

Sample Description: Gravelly sandy SILT

Project: Carrigeen Renewable Energy Development

Operator	SS	Checked	VS	Approved	VS	Date sample tested	10/06/2025

Project No. 2278-24

BH/TP No. TP12

Sample No.

Depth 3.5m

Element Materials Technology
Unit 3 Deeside Point
Zone 3
Deeside Industrial Park
Deeside
CH5 2UA

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W: www.element.com

Whiteford Geoservices
Straid House
Straid
Ballyclare
United Kingdom
BT39 9EU

Attention :	Joy McNeill
Date :	17th June, 2025
Your reference :	2278-24
Our reference :	Test Report 25/9325 Batch 1
Location :	Carrigeen WF
Date samples received :	9th June, 2025
Status :	Final Report
Issue :	202506171440

Eight samples were received for analysis on 9th June, 2025 of which eight were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

The greenhouse gas emissions generated (in Carbon – Co2e) to obtain the results in this report are estimated as:

Scope 1&2 emissions - 9.846 kg of CO2

Scope 1&2&3 emissions - 23.27 kg of CO2

Authorised By:

Bruce Leslie
Project Manager

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Whiteford Geoservices
Reference: 2278-24
Location: Carrigeen WF
Contact: Joy McNeill
EMT Job No: 25/9325

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1	2	3	4	5	6	7	8			LOD/LOR	Units	Method No.
Sample ID	TP1	TP3	TP4	TP6	TP6	TP8	TP10	TP12					
Depth	2.50	3.20	1.50	1.50	3.00	4.40	3.40	3.50					
COC No / misc													
Containers	J	J	J	J	J	J	J	J					
Sample Date	25/05/2025	25/05/2025	25/05/2025	25/05/2025	25/05/2025	25/05/2025	25/05/2025	25/05/2025					
Sample Type	Soil	Soil	Soil	Soil	Soil	Soil	Soil	Soil					
Batch Number	1	1	1	1	1	1	1	1					
Date of Receipt	09/06/2025	09/06/2025	09/06/2025	09/06/2025	09/06/2025	09/06/2025	09/06/2025	09/06/2025					
Natural Moisture Content	167.6	174.9	11.1	12.2	7.5	14.0	10.3	10.5			<0.1	%	PM4/PM0
Chloride #	50	56	10	10	31	9	31	10			<2	mg/kg	TM38/PM20
Sulphate as SO4 (2:1 Ext) #	0.0259	0.2013	0.0109	0.0198	0.0682	0.0054	0.0736	0.0514			<0.0015	g/l	TM38/PM20
Sulphide	<10	<10	<10	<10	<10	<10	<10	<10			<10	mg/kg	TM107/PM45
pH #	8.26	8.08	8.75	8.46	8.57	8.59	8.53	8.26			<0.01	pH units	TM73/PM11

Please see attached notes for all abbreviations and acronyms

Element Materials Technology

Notification of Deviating Samples

Client Name: Whiteford Geoservices
Reference: 2278-24
Location: Carrigeen WF
Contact: Joy McNeill

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Analysis	Reason
No deviating sample report results for job 25/9325						

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.
It is a requirement under ISO 17025 that we inform clients if samples are deviating i.e. outside what is expected. A deviating sample indicates that the sample 'may' be compromised but not necessarily will be compromised. The result is still accredited and our analytical reports will still show accreditation on the relevant analytes.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No.: 25/9325

SOILS and ASH

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary. Asbestos samples are retained for 6 months.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Limits of detection for analyses carried out on as received samples are not moisture content corrected. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C. Ash samples are dried at 35°C ±5°C.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Sufficient amount of sample must be received to carry out the testing specified. Where an insufficient amount of sample has been received the testing may not meet the requirements of our accredited methods, as such accreditation may be removed.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overesitimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil is quoted, this refers to Total Aliphatics C10-C40.

STACK EMISSIONS

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation for Dioxins and Furans and Dioxin like PCBs has been performed on XAD-2 Resin, only samples which use this resin will be within our MCERTS scope.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a requirement of our Accreditation Body for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.
Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.
Laboratory records are kept for a period of no less than 6 years.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

Customer Provided Information

Sample ID and depth is information provided by the customer.

Age of Diesel

The age of release estimation is based on the nC17/pristane ratio only as prescribed by Christensen and Larsen (1993) and Kaplan, Galperin, Alimi et al., (1996).
Age estimation should be treated with caution as it can be influenced by site specific factors of which the laboratory are not aware.

Tentatively Identified Compounds (TICs)

Where Tentatively Identified Compounds (TICs) are reported, up to 10 Tentatively Identified Compounds will be listed where there is found to be a greater than 80% match with the NIST library. The reported concentration is determined semi-quantitively, with a matrix specific limit of detection. Note, other compounds may be present but are not reported.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
>>	Results above quantitative calibration range. The result should be considered the minimum value and is indicative only. The actual result could be significantly higher.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

HWOL ACRONYMS AND OPERATORS USED

HS	Headspace Analysis.
EH	Extractable Hydrocarbons - i.e. everything extracted by the solvent.
CU	Clean-up - e.g. by florisil, silica gel.
1D	GC - Single coil gas chromatography.
Total	Aliphatics & Aromatics.
AL	Aliphatics only.
AR	Aromatics only.
2D	GC-GC - Double coil gas chromatography.
#1	EH_Total but with humics mathematically subtracted
#2	EU_Total but with fatty acids mathematically subtracted
_	Operator - underscore to separate acronyms (exception for +).
+	Operator to indicate cumulative e.g. EH+HS_Total or EH_CU+HS_Total
MS	Mass Spectrometry.

EMT Job No: 25/9325

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/SANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35 degrees Celsius or 105 degrees Celsius. Calculation based on ISO 11465:1993(E) and BS1377-2:1990.	PM0	No preparation is required.			AR	
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods: Chloride 325.2 (1978), Sulphate 375.4 (Rev.2 1993), o-Phosphate 365.2 (Rev.2 1993), TON 353.1 (Rev.2 1993), Nitrite 354.1 (1971), Hex Cr 7196A (1992), NH4+ 350.1 (Rev.2 1993) - All anions comparable to BS ISO 15923-1: 2013l	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AD	Yes
TM73	Modified US EPA methods 150.1 (1982) and 9045D Rev. 4 - 2004) and BS1377-3:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No
TM107	Determination of Sulphide/Thiocyanate by Skalar Continuous Flow Analyser	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide, Sulphide and Thiocyanate analysis.			AR	Yes

APPENDIX F

PHOTOGRAPHIC RECORD

Photographic Plates

Trial Hole Investigation 24 x A4

Plate 1—TP1 at T1

Plate 2—TP 1 at T1

Plate 3—TP1 at T1

Plate 4—TP1 at T1

Plate 5—TP2 at T2

Plate 6—TP2 at T2

Plate 7—TP2 at T2

Plate 8—TP2 at T2

Plate 9—TP3 at T3

Plate 10—TP3 at T3

Plate 11—TP3 at T3

Plate 12—TP3 at T3

Plate 13—TP4 at T5

Plate 14—TP4 T5

Plate 15—TP4 at T5

Plate 16—TP4 at T5

Plate 17—TP5 at T6

Plate 18—TP5 at T6

Plate 19—TP5 at T6

Plate 20—TP5 at T6

Plate 21—TP6 close to T7

Plate 22—TP6 close to T7

Plate 23—TP6 close to T7

Plate 24—TP6 close to T7

Plate 25—TP7

Plate 26—TP7

Plate 27—TP7

Plate 28—TP7

Plate 29—TP8 at T8

Plate 30—TP8 at T8

Plate 31— TP8 at T8

Plate 32—TP8 at T8

Plate 33—TP9 at T9

Plate 34—TP9 at T9

Plate 35—TP9 at T9

Plate 36—TP9 at T9

Plate 37—TP10 at T11

Plate 38—TP10 at T11

Plate 39—TP10 at T11

Plate 40—TP10 at T11

Plate 41—TP11 at T10

Plate 42—TP11 at T10

Plate 43—TP11 at T10

Plate 44—TP11 at T10

Plate 45—TP12 close to Substation

Plate 46—TP12 close to Substation

Plate 47—TP12 close to Substation

Plate 48—TP12 close to Substation