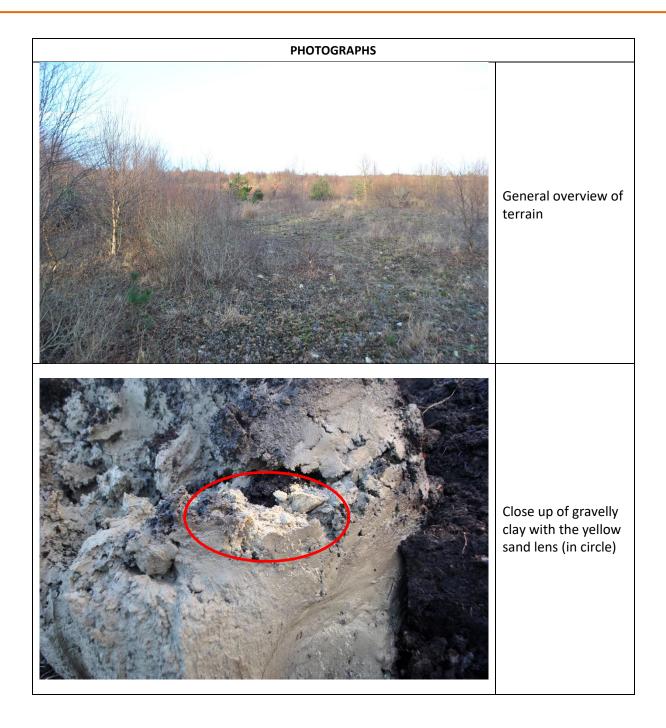


| | INSPECTION DETAILS | |
|---------------------------------|--|--|
| Site Location: | Derryadd Wind Farm Area 1 | |
| Trial Pit No: | 101 | |
| Turbine No: | T22 | |
| Coordinates: | E207835.669044 N264626.489012 | |
| Date & Time: | 11 th January 2017 | |
| Testing details: | Trial pit | |
| Observations & recommendations: | The following layers were observed in this Trial Pit: 0.00 – 0.90 m: Black peat with very little discernible fibres and roots 0.90 – 3.10 m: Light grey soft slightly sandy gravelly CLAY with significant amount of cobbles and boulders and occasional minor lenses of yellow fine to medium sand. TP terminated at 3.10 m due to abundance of large angular boulders. Shear Vane Tests: 0.25 m (in-situ soil): 7, 34, 22, 17, 33 (likely interfered with existing vegetation roots) 2.20 m (excavated soil): 9, 10, 10 (on softer parts with less gravel) Samples: [0.50 m] / [2.20 m] Remarks: Difficult access. Unused part of bog – dense vegetation cover of small trees, grass and moss Significant amount of water trickling from the interface of peat and gravelly clay (from several points) TP walls crumbling / slightly unstable Increasing amount of gravels and cobbles with depth After 2.50 m, significant amount of large boulders | |









View of TP. Water trickling from the interface of peat and clay (continuous weak flow). Walls slightly unstable and crumbling (mostly on water path).





Close-up of gravelly clay. Large amount of water comes from the water gathered at the bottom of the pit.



Close up of large angular boulders in gravelly clay. Large amount of water comes from the water gathered at the bottom of the pit.



| | INSPECTION DETAILS |
|---------------------------------|---|
| Site Location: | Derryadd Wind Farm Area 1 |
| Trial Pit No: | TP03 |
| Turbine No: | T28 (Formally Turbine No. 3 prior to issue of Site Layout Drawing 8057-1004 D02 Jan 2017) |
| Coordinates: | E209901.918207 N264072.96959 |
| Date & Time: | 1 st December 2016 |
| Testing details: | Trial pit |
| Observations & recommendations: | The below points were observed during this Ground investigation 0 – 0.80m: Plastic Fibrous Black Organic PEAT 0.80 – 3.50m: Plastic Fibrous Brown PEAT 3.50 – 4.50m: very loose to loose light grey silty gravely SAND with abundant cobbles Samples: 4.00 – 4.50m Trial pit stopped as the maximum depth achievable with the excavator was reached |

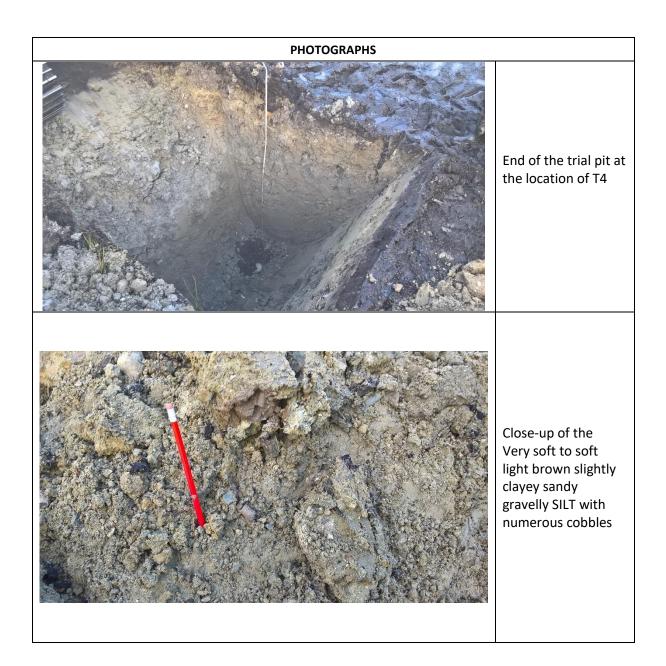






| | INSPECTION DETAILS |
|---------------------------------|--|
| Site Location: | Derryadd Wind Farm Area 1 |
| Trial Pit No: | TP04 |
| Turbine No: | T26 (Formally Turbine No. 4 prior to issue of Site Layout Drawing 8057-1004 D02 Jan 2017) |
| Coordinates: | E209708.785509 N264640.974938 |
| Date & Time: | 1 st December 2016 |
| Testing details: | Trial pit |
| Observations & recommendations: | The below points were observed during this Ground investigation 0 – 0.05m: Plastic Fibrous Black Organic PEAT 0.05 – 0.40m: Very soft to soft light brown slightly clayey sandy gravelly SILT with numerous cobbles 0.40 – 2.2m: Very soft to soft light grey slightly sandy gravelly SILT/CLAY with numerous cobbles and occasional boulders Samples: 0.30 – 0.40m / 2.00 – 2.20m Trial pit stopped due to an obstruction (possible boulders) |









General view of the Very soft to soft light grey slightly sandy gravelly SILT/CLAY with numerous cobbles and occasional boulders

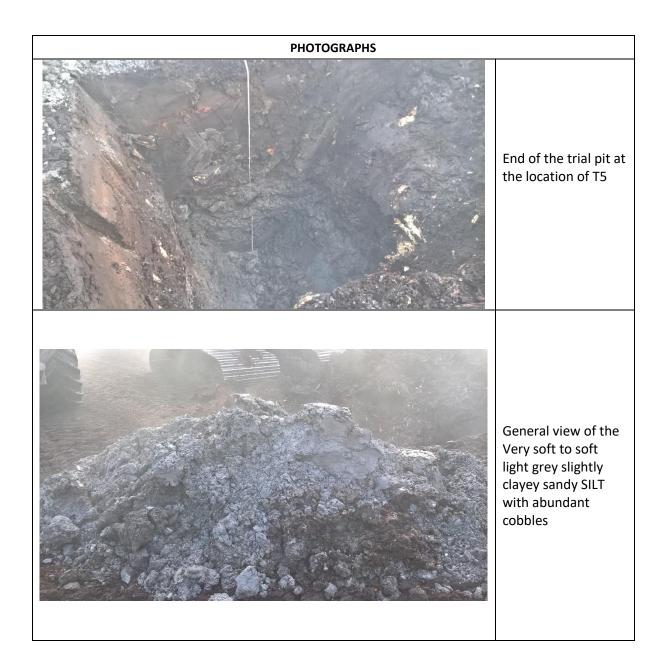


Close-up the Very soft to soft light grey slightly sandy gravelly SILT/CLAY with numerous cobbles and occasional boulders



| | INSPECTION DETAILS | |
|---------------------------------|---|--|
| Site Location: | Derryadd Wind Farm Area 1 | |
| Trial Pit No: | TP05 | |
| Turbine No: | T27 (Formally Turbine No. 5 prior to issue of Site Layout Drawing 8057-1004 D02 Jan 2017) | |
| Coordinates: | E209886.277494 N265235.56172 | |
| Date & Time: | 1 st December 2016 | |
| Testing details: | Trial pit | |
| Observations & recommendations: | The below points were observed during this Ground investigation 0 – 0.10m: Plastic Fibrous Black Organic PEAT 0.10 – 1.30m: Plastic Fibrous Brown PEAT 1.30 – 2.7m: Very soft to soft light grey slightly clayey sandy SILT with abundant cobbles Samples: 2.50 – 2.70m Trial pit stopped due to an obstruction (possible boulders) | |









Close-up of the Very soft to soft light grey slightly clayey sandy SILT with abundant cobbles



| | INSPECTION DETAILS |
|---------------------------------|---|
| Site Location: | Derryadd Wind Farm Area 1 |
| Trial Pit No: | TP06 |
| Turbine No: | T23 (Formally Turbine No. 6 prior to issue of Site Layout Drawing 8057-1004 D02 Jan 2017) |
| Coordinates: | E208360.322402 N264306.308806 |
| Date & Time: | 1 st December 2016 |
| Testing details: | Trial pit |
| Observations & recommendations: | The below points were observed during this Ground investigation 0 – 0.10m: Plastic Fibrous Black Organic PEAT 0.10 – 1.10m: Plastic Fibrous Brown PEAT 1.10 – 2.00m: Very soft to soft light grey slightly clayey SILT with abundant gravels and cobbles 2.00 – 2.50m: Very soft to soft light grey slightly clayey SILT with abundant gravels, cobbles and boulders Samples: 1.50 – 1.80m / 2.20 – 2.50m Trial pit stopped due to an obstruction (possible boulders) Remark: Too many gravels to make a Vane Shear Test |



| PHOTOGRAPHS | |
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| | INSPECTION DETAILS | |
|---------------------------------|--|--|
| Site Location: | Derryadd Wind Farm Area 1 | |
| Trail Pit: | TP07 | |
| Turbine No: | T24 (Formally Turbine No. 7 prior to issue of Site Layout Drawing 8057-1004 D02 Jan 2017) | |
| Coordinates: | E209253.267958 N264198.25332 | |
| Date & Time: | 1 st December 2016 | |
| Testing details: | Trial pit | |
| Observations & recommendations: | The below points were observed during this Ground investigation 0 – 0.10m: Plastic Fibrous Black Organic PEAT 0.10 – 1.10m: Plastic Fibrous Brown PEAT 1.10 – 1.40m: Very soft to soft light grey slightly silty CLAY with occasional gravels 1.40 – 2.00m: Very loose to loose silty SAND with numerous gravels and cobbles Vane Test at 1.30m: 38, 40, 60 Samples: 1.20 – 1.40m / 1.7 – 2.00m Trial pit stopped due to an obstruction (possible boulders) Remark: Water table at 2.00m | |



PHOTOGRAPHS



End of the trial pit at the location of T7



Close-up of the Very soft to soft light grey slightly silty CLAY with occasional gravels



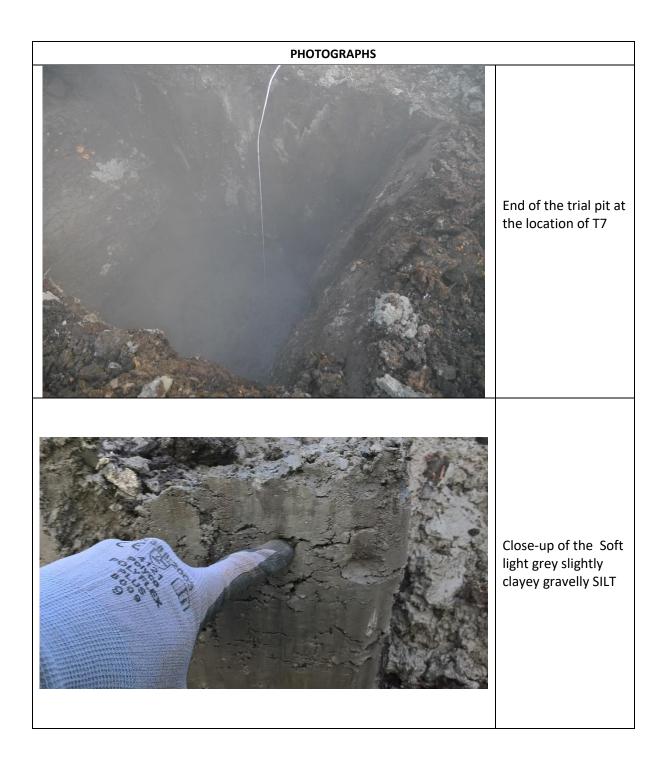


General view of the Very loose to loose silty SAND with numerous gravels and cobbles



| INSPECTION DETAILS | |
|---------------------------------|--|
| Site Location: | Derryadd Wind Farm Area 1 |
| Trail Pit: | TP08 |
| Turbine No: | T25 (Formally Turbine No. 8 prior to issue of Site Layout Drawing 8057-1004 D02 Jan 2017) |
| Coordinates: | E209447.797401 N263626.549651 |
| Date & Time: | 1 st December 2016 |
| Testing details: | Trial pit |
| Observations & recommendations: | The below points were observed during this Ground investigation 0 – 0.10m: Plastic Fibrous Black Organic PEAT 0.10 – 2.00m: Plastic Fibrous Brown PEAT 2.00 – 2.70m: Soft light grey slightly clayey gravelly SILT 2.70 – 3.70m: Very loose to loose light grey silty gravelly SAND with numerous cobbles and boulders Vane Test at 2.5m: 48, 52, 48 Samples: 2.50 – 2.70m / 3.50 – 3.70m Trial pit stopped due to an obstruction (possible boulders) |









General view of the Very loose to loose light grey silty gravelly SAND with numerous cobbles and boulders