

| Borrow Pit Assessment - Trial Pits |  |                |                              |
|------------------------------------|--|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm   | Job number     | 10325                        |
| Client                             | Bord na Mona   | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon  | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)  |                |                              |
|                                    | ITM  |                |                              |
| Site Location:                     | Derryadd   |                |                              |
| Trial Pit No:                      | TP18-1   |                |                              |
| Date & Time:                       | 27th March 2018  |                |                              |
| BP Testing details:                |  |                |                              |
|                                    | The following layers were observed in this Trial Pit:  |                |                              |
|                                    | 0.00 – 0.1 m: Shallow Black fibrous PEAT with rootlets   |                |                              |
|                                    | 0.7 – 2.0 m: Light grey, moist, moderately Firm, slightly sandy, gravelly CLAY.  |                |                              |
|                                    | 2.0-2.9 m: Light grey moderately firm very silty, slightly sandy GRAVEL with significant amount of gravel, cobbles and boulders. |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    | Trial pit terminated at 2.9m due to abundance of large boulders.   |                |                              |
| Observations & recommendations:    | No water present   |                |                              |
|                                    | · Relatively firm surface.   |                |                              |
|                                    | · Walls of trial pit stable  |                |                              |
|                                    |  |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology



| Borrow Pit Assessment - Trial Pits |   |                |                              |
|------------------------------------|---|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-2  |                |                              |
| Date & Time:                       | 27th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:   |                |                              |
|                                    | <b>0.00 – 0.1 m: Shallow Black fibrous PEAT with rootlets</b>   |                |                              |
|                                    | <b>0.2 – 0.50 m: Light grey, soft, slightly sandy, gravelly CLAY</b>  |                |                              |
|                                    | <b>0.5m – 2.7 m: Light grey mod firm slightly sandy silty CLAY with significant amount of gravel, cobbles and boulders.</b> |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 2.7m due to abundance of large boulders.  |                |                              |
| Observations & recommendations:    | No water present  |                |                              |
|                                    | · Relatively firm surface.  |                |                              |
|                                    | · Walls of trial pit stable   |                |                              |
|                                    |   |                |                              |

- PEAT
- MARL
- TILL
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- Possible BEDROCK
- Archaeology



| Borrow Pit Assessment - Trial Pits |  |                |                              |
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| Project title                      | Derryadd Wind Farm   | Job number     | 10325                        |
| Client                             | Bord na Mona   | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon  | Date           | 28th March 2018              |
| Subject                            | Ground investigation (Trial Pits)  |                |                              |
|                                    | IMT  |                |                              |
| Site Location:                     | Derryadd   |                |                              |
| Trial Pit No:                      | TP18-3   |                |                              |
| Date & Time:                       | 28th March 2018  |                |                              |
| BP Testing details:                |  |                |                              |
|                                    | The following layers were observed in this Trial Pit:                    |                |                              |
|                                    | 0.00 – 0.3 m: Shallow Black fibrous PEAT with rootlets                   |                |                              |
|                                    | 0.3m – 0.8 m: Light grey moderately dense silty SAND.                    |                |                              |
|                                    | 0.8-2.2m; Moist, soft, Sandy gravelly SILT with 0.1 to 0.2 m sand lens   |                |                              |
|                                    | Possible bedrock at 2.2m   |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    | Trial pit terminated at 2.2m due to abundance of large boulders/bedrock. |                |                              |
| Observations & recommendations:    | No water present   |                |                              |
|                                    | · Relatively firm surface.   |                |                              |
|                                    | · Walls of trial pit stable  |                |                              |
|                                    |  |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology
- Sand/Gravel



| Borrow Pit Assessment - Trial Pits |   |                |                              |
|------------------------------------|---|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 28th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-4  |                |                              |
| Date & Time:                       | 28th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:   |                |                              |
|                                    | 0.00 – 1.6 m: Black/brown fibrous PEAT - H4 to H6   |                |                              |
|                                    | 1.6-3 m: Light grey, soft, very sandy, gravelly SILT/CLAY . Occasional limestone                                  |                |                              |
|                                    |   |                |                              |
|                                    | Possible bedrock at 3m  |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 3m due to possiblebedrock.  |                |                              |
| Observations & recommendations:    | Minor water inflows at base present   |                |                              |
|                                    | <ul style="list-style-type: none"> <li>· Relatively firm surface.</li> <li>· Walls of trial pit stable</li> </ul> |                |                              |
|                                    |   |                |                              |

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- Possible BEDROCK
- Archaeology



| Borrow Pit Assessment - Trial Pits |  |                |                              |
|------------------------------------|--|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm   | Job number     | 10325                        |
| Client                             | Bord na Mona   | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon  | Date           | 28th March 2018              |
| Subject                            | Ground investigation (Trial Pits)  |                |                              |
|                                    | IMT  |                |                              |
| Site Location:                     | Derryadd   |                |                              |
| Trial Pit No:                      | TP18-5   |                |                              |
| Date & Time:                       | 28th March 2018  |                |                              |
| BP Testing details:                |  |                |                              |
|                                    | The following layers were observed in this Trial Pit:                                      |                |                              |
|                                    | 0.00 – 0.1 m: Shallow Black fibrous PEAT with rootlets                                     |                |                              |
|                                    | 0.1 – 1.3 m: Light grey, soft, very sandy, gravelly SILT. Occasional sand lens between 1.0 |                |                              |
|                                    | Bedrock at 1.3m  |                |                              |
|                                    | Trial pit terminated at 1.3 due to bedrock   |                |                              |
| Observations & recommendations:    | No water present   |                |                              |
|                                    | · Relatively firm surface.   |                |                              |
|                                    | · Walls of trial pit stable  |                |                              |
|                                    |  |                |                              |

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| Borrow Pit Assessment - Trial Pits |   |                |                              |
|------------------------------------|---|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 28th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-6  |                |                              |
| Date & Time:                       | 28th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:   |                |                              |
|                                    | <b>0.00 – 0.8 m: Shallow Black fibrous PEAT with rootlets</b>   |                |                              |
|                                    | <b>0.8 – 1.2 m: Olive/green, moist, laminated, very soft shelly marl and organic clays.</b>                                 |                |                              |
|                                    | 1.2-2.9 m: Light grey very soft slightly sandy laminated silts and clays. - Lacustrine deposits.                            |                |                              |
|                                    | <b>Possible gravelly SILT at the base however TP collapsing</b>   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 2.9m due to abundance of subsidence of ground around trial pit and the collapse of the trial pit. . |                |                              |
| Observations & recommendations:    | No water present  |                |                              |
|                                    | · Very soft conditions at surface.  |                |                              |
|                                    | · Walls of trial pit unstable   |                |                              |
|                                    |   |                |                              |

- PEAT
- MARL
- TILL
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- Possible BEDROCK
- Archaeology

| Borrow Pit Assessment - Trial Pits |  |                |                              |
|------------------------------------|--|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm   | Job number     | 10325                        |
| Client                             | Bord na Mona   | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon  | Date           | 28th March 2018              |
| Subject                            | Ground investigation (Trial Pits)  |                |                              |
|                                    | IMT  |                |                              |
| Site Location:                     | Derryadd   |                |                              |
| Trial Pit No:                      | TP18-7   |                |                              |
| Date & Time:                       | 28th March 2018  |                |                              |
| BP Testing details:                |  |                |                              |
|                                    | The following layers were observed in this Trial Pit:                                  |                |                              |
|                                    | 0.00 – 0.1 m: Black/brown fibrous PEAT with rootlets - H4 to H6                        |                |                              |
|                                    | 0.1-0.6 m: Light grey/brown, loose, slightly gravelly SAND.                            |                |                              |
|                                    | 0.6-1.5 m: Light grey/brown, loose, slightly gravelly SAND.                            |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    | Trial pit terminated at 1.5m due to large water inflows and collapsing trial pit walls |                |                              |
| Observations & recommendations:    | Large water inflows at base present  |                |                              |
|                                    | · Relatively firm surface.   |                |                              |
|                                    | · Walls of trial pit unstable  |                |                              |
|                                    |  |                |                              |

- PEAT
- MARL
- TILL
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- Possible BEDROCK
- Archaeology
- Sand/Gravel

| Borrow Pit Assessment - Trial Pits |  |                |                              |
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| Project title                      | Derryadd Wind Farm   | Job number     | 10325                        |
| Client                             | Bord na Mona   | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon  | Date           | 28th March 2018              |
| Subject                            | Ground investigation (Trial Pits)  |                |                              |
|                                    | IMT  |                |                              |
| Site Location:                     | Derryadd   |                |                              |
| Trial Pit No:                      | TP18-7S  |                |                              |
| Date & Time:                       | 28th March 2018  |                |                              |
| BP Testing details:                |  |                |                              |
|                                    | The following layers were observed in this Trial Pit:                                  |                |                              |
|                                    | <b>No Peat</b>   |                |                              |
|                                    | <b>0.0-1.2 m:</b> Light grey/brown, loose, slightly gravelly SAND.                     |                |                              |
|                                    | <b>1.2-2.2 m:</b> Light grey, loose, slightly gravelly SAND.                           |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    | Trial pit terminated at 1.5m due to large water inflows and collapsing trial pit walls |                |                              |
| Observations & recommendations:    | Large water inflows at base present  |                |                              |
|                                    | · Relatively firm surface.   |                |                              |
|                                    | · Walls of trial pit unstable  |                |                              |
|                                    |  |                |                              |

- PEAT
- MARL
- TILL
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- Possible BEDROCK
- Archaeology
- Sand and Gravel#



| Borrow Pit Assessment - Trial Pits |  |                |                              |
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| Project title                      | Derryadd Wind Farm   | Job number     | 10325                        |
| Client                             | Bord na Mona   | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon  | Date           | 28th March 2018              |
| Subject                            | Ground investigation (Trial Pits)  |                |                              |
|                                    | IMT  |                |                              |
| Site Location:                     | Derryadd   |                |                              |
| Trial Pit No:                      | TP18-8   |                |                              |
| Date & Time:                       | 28th March 2018  |                |                              |
| BP Testing details:                |  |                |                              |
|                                    | The following layers were observed in this Trial Pit:  |                |                              |
|                                    | 0.00 – 1.7 m: Shallow Red/Brown fibrous PEAT. H1-H5  |                |                              |
|                                    | 1.7 – 3.3 m: Light grey, soft, Laminated sandy SILT and silty SAND, predominantly silty SAND below 2.4m, walls unstable. Moist, minor inflows in sand. |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    | Trial pit terminated at 3.3 due to maximum reach of excavator  |                |                              |
| Observations & recommendations:    | Minor inflows from sand lens   |                |                              |
|                                    | · Relatively firm surface.   |                |                              |
|                                    | · Walls of trial pit stable  |                |                              |
|                                    |  |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology
- Sand/Gravel

| Borrow Pit Assessment - Trial Pits |   |                |                              |
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| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-9  |                |                              |
| Date & Time:                       | 27th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:                                   |                |                              |
|                                    | 0.00 – 1.6 m: <b>Shallow Brown/Black fibrous PEAT with rootlets</b>                     |                |                              |
|                                    | <b>1.6-3 m: Light grey, soft, very sandy, gravelly SILT/CLAY . Occasional limestone</b> |                |                              |
|                                    | Running sand at 2.6m, water rising  |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 3m due to water ingress   |                |                              |
| Observations & recommendations:    |   |                |                              |
|                                    | · Very soft conditions at surface.  |                |                              |
|                                    | · Walls of trial pit unstable   |                |                              |
|                                    |   |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology

| Borrow Pit Assessment - Trial Pits |   |                |                              |
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| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-10   |                |                              |
| Date & Time:                       | 27th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:                       |                |                              |
|                                    | 0.00 – 0.3 m: Shallow Black fibrous PEAT with rootlets                      |                |                              |
|                                    | 0.3-2.3 m: Light grey/olive, moderately firm, slightly sandy gravelly SILT. |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 2.3m due to abundance of large boulder              |                |                              |
| Observations & recommendations:    | No water present  |                |                              |
|                                    | Very soft conditions at surface.  |                |                              |
|                                    | Walls of trial pit stable   |                |                              |
|                                    |   |                |                              |

- PEAT
- MARL
- TILL
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- Possible BEDROCK
- Archaeology

| Borrow Pit Assessment - Trial Pits |  |                |                              |
|------------------------------------|--|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm   | Job number     | 10325                        |
| Client                             | Bord na Mona   | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon  | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)                                  |                |                              |
|                                    | IMT  |                |                              |
| Site Location:                     | Derryadd   |                |                              |
| Trial Pit No:                      | TP18-11  |                |                              |
| Date & Time:                       | 27th March 2018  |                |                              |
| BP Testing details:                |  |                |                              |
|                                    | The following layers were observed in this Trial Pit:              |                |                              |
|                                    | 0.00 – 0.4 m: Black/brown fibrous PEAT with rootlets - H4 to H6    |                |                              |
|                                    | 0.4-1.3m Light grey, moist, soft to moderately firm gravelly SILT. |                |                              |
|                                    | Obstruction at 1.3m - bedrock, water rising to 1.2m                |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    |  |                |                              |
|                                    | Trial pit terminated at 1.3m due to bedrock                        |                |                              |
| Observations & recommendations:    | Large water inflows at base present                                |                |                              |
|                                    | · Relatively firm surface.   |                |                              |
|                                    | · Walls of trial pit stable  |                |                              |
|                                    |  |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology
- Sand and Gravel#

| Borrow Pit Assessment - Trial Pits |   |                |                              |
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| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)                               |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-12   |                |                              |
| Date & Time:                       | 27th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:           |                |                              |
|                                    | 0.00 – 2 m: Shallow Red/Brown fibrous PEAT with rootlets. H3-H7 |                |                              |
|                                    | 2 – 2.6 m: Light to dark grey, soft, Laminated sandy SILT       |                |                              |
|                                    | 2.6-3.2m light grey, firm gravelly SILT/CLAY                    |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 3.2 due to maximum reach of excavator   |                |                              |
| Observations & recommendations:    | No water present  |                |                              |
|                                    | · Relatively firm surface.                                      |                |                              |
|                                    | · Walls of trial pit stable                                     |                |                              |
|                                    |   |                |                              |

- PEAT
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- TILL
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- Possible BEDROCK
- Archaeology

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| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-13   |                |                              |
| Date & Time:                       | 27th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:                                   |                |                              |
|                                    | 0.00 – 0.7 m: <b>Shallow Brown/Black fibrous PEAT with rootlets</b>                     |                |                              |
|                                    | <b>1.6-3 m: Light grey, soft, very sandy, gravelly SILT/CLAY . Occasional limestone</b> |                |                              |
|                                    | Water bearing sand at 2.6m, water rising  |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 3m due to water ingress   |                |                              |
| Observations & recommendations:    |   |                |                              |
|                                    | · Very soft conditions at surface.  |                |                              |
|                                    | · Walls of trial pit unstable   |                |                              |
|                                    |   |                |                              |

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- Archaeology

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| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | IMT   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-14   |                |                              |
| Date & Time:                       | 27th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:                                     |                |                              |
|                                    | 0.00 – 0.6 m: Shallow Black fibrous PEAT with rootlets                                    |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Possible archaeology at 0.6m. Peat probe at 2.1m, possible gravel/ gravelly till/bedrock. |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 0.8m due to possible archaeology                                  |                |                              |
| Observations & recommendations:    | No water present  |                |                              |
|                                    | Very soft conditions at surface.  |                |                              |
|                                    | Walls of trial pit stable   |                |                              |
|                                    |   |                |                              |

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| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 27th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | ITM   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-14A  |                |                              |
| Date & Time:                       | 27th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:                                     |                |                              |
|                                    | 0.00 – 0.8 m: Shallow Black fibrous PEAT with rootlets                                    |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Possible archaeology at 0.8m. Peat probe at 2.1m, possible gravel/ gravelly till/bedrock. |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 0.8m due to possible archaeology                                  |                |                              |
| Observations & recommendations:    | No water present  |                |                              |
|                                    | · Very soft conditions at surface.  |                |                              |
|                                    | · Walls of trial pit unstable   |                |                              |
|                                    |   |                |                              |

- PEAT
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|------------------------------------|---|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 26th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | ITM   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-15   |                |                              |
| Date & Time:                       | 26th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:   |                |                              |
|                                    | 0.00 – 1 m: Black/brown fibrous PEAT with rootlets - H4 to H6                                     |                |                              |
|                                    | 1-2.6 m: Light grey, very soft, slightly sandy SILT/CLAY.   |                |                              |
|                                    | 2.6-3m, firm very silty sandy GRAVEL. Large sub-angular to subrounded boulders and cobbles to 3m. |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 3m due to boulders  |                |                              |
| Observations & recommendations:    |   |                |                              |
|                                    | · Relatively firm surface.  |                |                              |
|                                    | · Walls of trial pit unstable   |                |                              |
|                                    |   |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology
- Sand and Gravel#

| Borrow Pit Assessment - Trial Pits |   |                |                              |
|------------------------------------|---|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 26th March 2018              |
| Subject                            | Ground investigation (Trial Pits)                               |                |                              |
|                                    | ITM   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-16   |                |                              |
| Date & Time:                       | 26th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:           |                |                              |
|                                    | 0-2.1m: Shallow Red/Brown fibrous PEAT with rootlets. H3-H7     |                |                              |
|                                    | 1.7 – 3.7 m: Light grey, soft, sandy gravelly SILT/CLAY. Moist. |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 3.7 due to possible bedrock             |                |                              |
| Observations & recommendations:    | Minor inflows present   |                |                              |
|                                    | · Relatively firm surface.                                      |                |                              |
|                                    | · Walls of trial pit stable                                     |                |                              |
|                                    |   |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology

| Borrow Pit Assessment - Trial Pits |   |                |                              |
|------------------------------------|---|----------------|------------------------------|
| Project title                      | Derryadd Wind Farm  | Job number     | 10325                        |
| Client                             | Bord na Mona  | File reference | TP -Turbine locations Mar 18 |
| Prepared by                        | John Dillon   | Date           | 26th March 2018              |
| Subject                            | Ground investigation (Trial Pits)   |                |                              |
|                                    | ITM   |                |                              |
| Site Location:                     | Derryadd  |                |                              |
| Trial Pit No:                      | TP18-17   |                |                              |
| Date & Time:                       | 26th March 2018   |                |                              |
| BP Testing details:                |   |                |                              |
|                                    | The following layers were observed in this Trial Pit:                       |                |                              |
|                                    | 0.00 – 1.6 m: Brown/Black fibrous PEAT with rootlets                        |                |                              |
|                                    | 1.6-2.7 m: Light grey, soft to moderately firm, sandy, gravelly SILT/CLAY . |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    |   |                |                              |
|                                    | Trial pit terminated at 2.7m due to boulders                                |                |                              |
| Observations & recommendations:    |   |                |                              |
|                                    | · Soft conditions at surface.   |                |                              |
|                                    | · Walls of trial pit stable   |                |                              |
|                                    |   |                |                              |

- PEAT
- MARL
- TILL
- BEDROCK
- Possible BEDROCK
- Archaeology