

ESB Asset Development UK Limited

Millmoor Rig Wind Farm

Updated Technical Appendix 17.1: Forestry Site Visit

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RSK



RSK GENERAL NOTES

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Author	<u>Adam Paterson</u>	Technical reviewer	<u>Wayne Scurrah</u>
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Project manager	<u>Adam Paterson</u>
Date:	<u>14/08/2022</u>

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1 INTRODUCTION

1.1 Background

The Section 36 application for the proposed Millmoor Rig Wind Farm ('Proposed Development') was submitted in November 2022. Given the time passed since then, and the original site visits in October 2021 and April 2022, another forestry site visit was undertaken on 22 July 2025 to update the baseline data for new areas of felling and inform the revised wind farm forestry plans.

1.2 Purpose of Report

This Updated Technical Appendix 17.1 details the existing baseline conditions of the forestry resource within the revised Application Boundary as shown on **Updated Figure 2.1, FEI Report**.

During the pre-application stage, two forestry site visits were undertaken to inspect the existing forestry in the locations where felling would be required for construction and operation of the Proposed Development. First on the 28th of October 2021 at the Scoping stage and then the 26th of April 2022 to consider the proposed design.

Another forestry site visit was undertaken on 22 July 2025 to review new areas of proposed additional felling requested by the landowners. The contents of this Report include a brief appraisal of the existing forestry resource in locations where felling would be required. This appraisal includes mensuration data and the observations made, including supporting photographs and field notes.

1.3 Qualifications and Experience of Surveyor

The survey was undertaken by Wayne Scurrah (NDF, Associate Member of Chartered Foresters), who has more than 30 years of experience.

1.4 Survey Methodology and Limitations

Originally, site visits in October 2021 and April 2022 to inform the EIA. To inform the FEI, a walkover survey was undertaken on 22 July 2025 with all inspections made from ground level using the same methodology. Locations of the Proposed Development infrastructure, as shown on **Updated Figure 2.2, FEI Report**, were interpreted using the Collector app powered by ArcGIS. Observations were made at or as close as physically possible to the proposed infrastructure locations.

The forestry appraisal has taken account of the Sub-Compartment Schedule for the Dykeraw Forest Area (the 'Turbine Area' as shown on **Updated Figure 17.1, FEI Report**). Similar base data were not available for Letham Forest (the 'Access Area' as shown on **Updated Figure 17.3, FEI Report**).

2 FORESTRY APPRAISAL

2.1 Survey Areas

Updated Figures 17.1, 17.3 and 17.5 of the main Further Environmental Information (FEI) Report show the areas where felling is required for construction and operation of the Proposed Development with reference to the locations where observations have been made.

2.2 Observations

Table 2.1 below includes a glossary of the different species of trees onsite.

Table 2.1 Glossary of tree species onsite

Acronym	Definition
SS	Sitka Spruce
MB	Mixed Broadleaved
SP	Scots Pine
L	Larch
BI	Birch
MC	Mixed conifer
NS	Norway Spruce
DF	Douglas Fir
RES	Natural Reserve
RET	Long term retention
W HEM	Western Hemlock

2.2.1 Dykeraw Forest (Turbine Area)

2.2.1.1 Turbines

Turbine T1

Table 2.2: Turbine T1 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0003A	2014	SS	No data available

Figure 2.1: Turbine T1 location (subcompartment 0003A) 2022



Turbine T2

Table 2.3: Turbine T2 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0008A1	2008	SS	12

Figure 2.2: Turbine T2 location (subcompartment 0008A1) 2022



Turbine T3

Table 2.4: Turbine T3 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0009A	2008	SS	12
0010A	2007		
0015A1	2008		
0016A1	2008		

Figure 2.3: Turbine T3 subcompartments 0009A, 0015A1 and 0016A) 2022



Figure 2.4: Turbine T3 (subcompartment 010A) 2022



Turbine T4

Table 2.5: Turbine T4 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0017A	2013	SS	No data available

Figure 2.5: Turbine T4 location (view north) (subcompartment 0017A) 2025



Figure 2.6: Turbine T4 location (view east) (subcompartment 0017A) 2025



Figure 2.7: Turbine T4 location (view south) (subcompartment 0017A) 2025



Figure 2.8: Turbine T4 location (view west) (subcompartment 0017A) 2025



Turbine T5

Table 2.6: Turbine T5 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0051A	2013	SS	No data available

Figure 2.9: Turbine T5 location (subcompartment 0051A) 2022



Turbine T6

Table 2.7: Turbine T6 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0053A 0058	2019	SS	No data available

The forestry around turbine T6 has been recently felled and as such no baseline photography has been included.

Turbine T7

Table 2.8: Turbine T7 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0032A 0036A	2018 2016	SS	No data available

Figure 2.10: Turbine T7 location (view east) (subcompartments 0032A – mature forestry to left of photo is a separate subcompartment and would not be felled as part of the Proposed Development) 2022



**Figure 2.11: Turbine T7 location (view east) (subcompartments 0032A and 0036A)
2022**



Figure 2.12: Turbine T7 location (view south) (subcompartments 0032A) 2022



Figure 2.13: Turbine T7 location (view west) (subcompartment 0032A – mature forestry to right of photo is a separate subcompartment and would not be felled as part of the Proposed Development) 2022



Turbine T8

Table 2.9: Turbine T8 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0038A	2009	SS	14
0037A2	1976		12
0037A3	1976		12
0037A4	1976		12
0037A5	1976		12
0037A6	1976		12
0037A7	1976		12

Figure 2.14: Turbine T8 location (subcompartment 0038A) 2025



**Figure 2.15: Turbine T8 additional felling area (evidence of wind blow)
(subcompartments 0037A2, 0037A3, 0037A4, 0037A5, 0037A6, and 0037A27) 2022**



Turbine T9

Table 2.10: Turbine T9 compartment information

Compartment	Planting Year	Species	Yield Class
0040	2005	SS	No data available
0059	2015		

Figure 2.16: Turbine T9 location (subcompartments 0040A5 and 0059A) 2022 – note that while this photo was taken from the previous Turbine T9 location, it is part of the

wider compartment in which the new Turbine T9 location is and shares the same species and planting year so is still representative.



Turbine T10

Table 2.11: Turbine T10 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0047A	2004	SS	14
0048A1		SS	14
0048A2		SS	14
0048M		MB	4

Figure 2.17: Turbine T10 location (subcompartment 0048A1 – note that this subcompartment is considered representative of subcompartments 0047A and 0048A) 2022



Figure 2.18: Turbine T10 location (view north) (subcompartment 0048A1 – note that this subcompartment is considered representative of subcompartments 0047A and 0048A) 2022



Figure 2.19: Turbine T10 location (view east) (subcompartment 0048A1 – note that this subcompartment is considered representative of subcompartments 0047A and 0048A) 2022



Figure 2.20: Turbine T10 location (view south) (subcompartment 0048A1 – note that this subcompartment is considered representative of subcompartments 0047A and 0048A) 2022



Figure 2.21: Turbine T10 location (view west) (subcompartment 0048A1 – note that this subcompartment is considered representative of subcompartments 0047A and 0048A) 2022



Turbine T11

Table 2.12: Turbine T11 compartment information

Compartment	Planting Year	Species	Yield Class
55	2022	SS	No data
56	2013	SS	available

Figure 2.22: Turbine T11 location (subcompartment 0049A – note that this subcompartment is considered representative of compartments 55 and 56 so while

this photo was taken from the previous Turbine T11 location, it is shares the same species and planting year as the new Turbine T11 location) 2022



Turbine T12

Table 2.13: Turbine T12 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0057A	2014	SS	No data available

The forestry around turbine T12 has been recently felled and as such no baseline photography has been included.

Turbine T13

Table 2.14: Turbine T13 compartment information – note that while Turbine T13 has moved location, the new Turbine T13 location is still within the same wider compartment as the old Turbine T13 location and shares the same species and planting year so the information in this table remains representative.

Compartment	Planting Year	Species	Yield Class
45	2021	SS	No data available

The forestry around T13 has been recently felled and as such no baseline photography has been included.

2.2.1.2 Ancillary Infrastructure

Borrow Pit 1 (north of turbine T13)

Table 2.15: Borrow pit 1 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0042A 0046A 0046A1	2009	SS	No data available

Figure 2.23: Borrow pit 1 location (subcompartment 0042A – note that this subcompartment is considered representative of subcompartments 0046A1 and 0046A1) 2022



Borrow Pit 2 (north east of turbine T4)

Table 2.16: Borrow pit 2 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0016A	2008	SS	12

Figure 2.24: Borrow pit 2 location (view north) (subcompartment 0016A) 2022



Figure 2.25: Borrow pit 2 location (view east) (subcompartment 0016A) 2022



Figure 2.26: Borrow pit 2 location (view south) (subcompartment 0016A) 2022



Figure 2.27: Borrow pit 2 location (view west) (subcompartment 0016A) 2022



Borrow Pit 3 (north east of turbine T1)

Table 2.17: Borrow pit 3 subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0003A	2014	SS	No data available
0004A1	2020		
0007A1	2020		

The majority of the forestry around this borrow pit has been recently felled and as such no baseline photography has been included. A small area of felling would be required in subcompartment 0003A. Photography of the timber conditions in subcompartment are shown above in **Figure 2.1**.

Preferred Substation (east of turbine T3)

Table 2.18: Preferred substation (east of turbine T3) subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0011A	2016	SS	No data available
0012A1			

The timber quality in the preferred substation location is similar to that in the construction compound location, as shown in **Figure 2.28**.

Figure 2.28: View east towards preferred substation (indicated by arrow) location from construction compound location. (subcompartment 0012A – note that this subcompartment is considered representative of subcompartments 0011A and 0012A1) 2022



Alternative Substation (north of turbine T10)

Table 2.19: Alternative substation (north of turbine T10) subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0041A	2009	SS	14
0041A2	2009		12

Figure 2.29: Alternative substation location (subcompartment 0041A2 - note that this subcompartment is considered representative of subcompartment 0041A) 2022



Construction Compound

Table 2.20: Construction compound subcompartment information

Subcompartment	Planting Year	Species	Yield Class
0012A	2014	SS	No data available

Figure 2.30: Construction compound location (view north) (subcompartment 0012A) 2022



Figure 2.31: Construction compound location (view south) (subcompartment 0012A) 2022



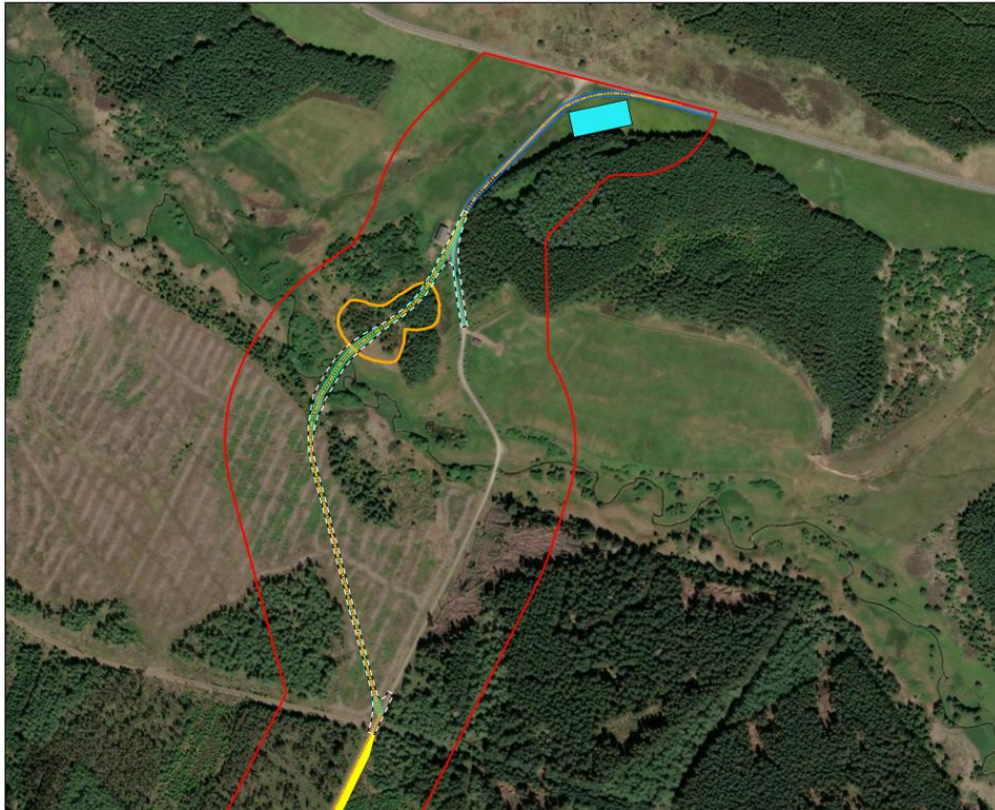
Figure 2.32: Construction compound location (view west) (subcompartment 0012A) 2022



2.2.2 Site Entrance

To enable the construction of the new Site Access alignment at the Carter Burn crossing the following area of felling would be required.

Figure 2.33: Annotated map of site entrance felling areas in private land holding



Area of felling

Table 2.21: Area of felling compartment information

Compartment	Planting Year	Species	Yield Class
56013	Estimated - 1985	SP/SS	12

Figure 2.34: Area of felling (plantation forestry only) 2025



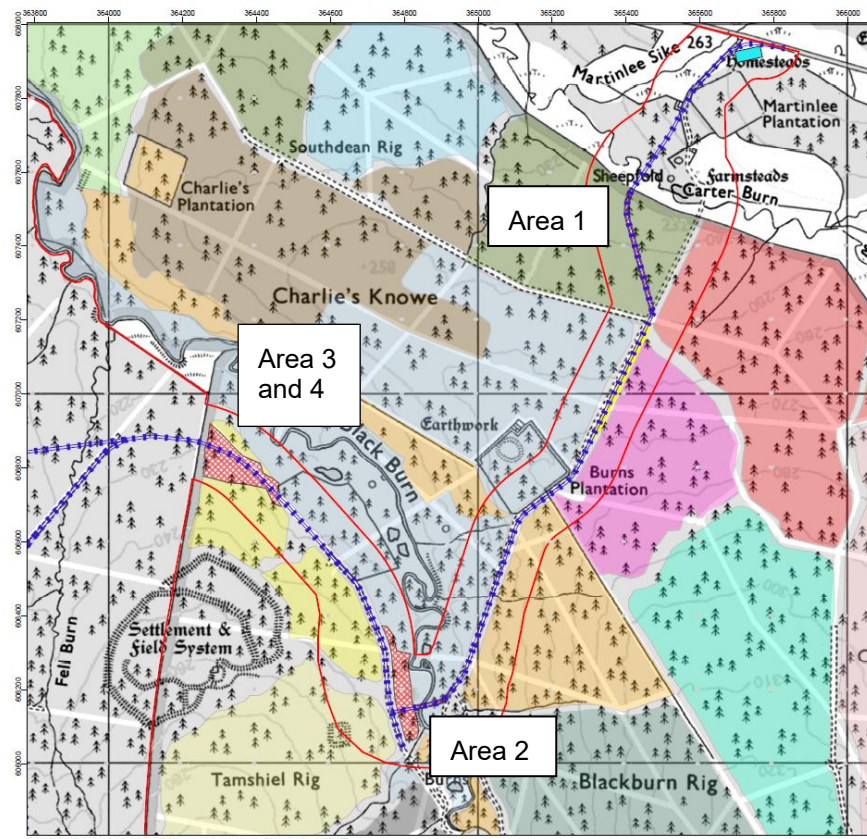
2.2.3 Letham Forest (Access Area)

2.2.3.1 Site Access Area

Overview

Figure 2.35 shows the areas referenced to below.

Figure 2.35: Annotated map of site access felling areas in Letham Forest



Area 1

Table 2.22: Area 1 compartment information

Compartment	Planting Year	Species	Yield Class
56011	No data available	SP	No data available

The forestry in Area 1 has been recently felled and as such no baseline photography has been included.

Area 2

Table 2.23: Area 2 compartment information

Compartment	Planting Year	Species	Yield Class
56014	Estimated - 1985	SS	12

Figure 2.36: Area 2 location (subcompartment 56014) 2022



Area 3 and 4

Table 2.24: Area 3 and 4 Compartment information

Compartment	Planting Year	Species	Yield Class
56015	No data available	SS	No data available

Figure 2.37: Area 3 and 4 location (subcompartment 56015) 2022

