

Technical Appendix 13.1 Noise Survey Information

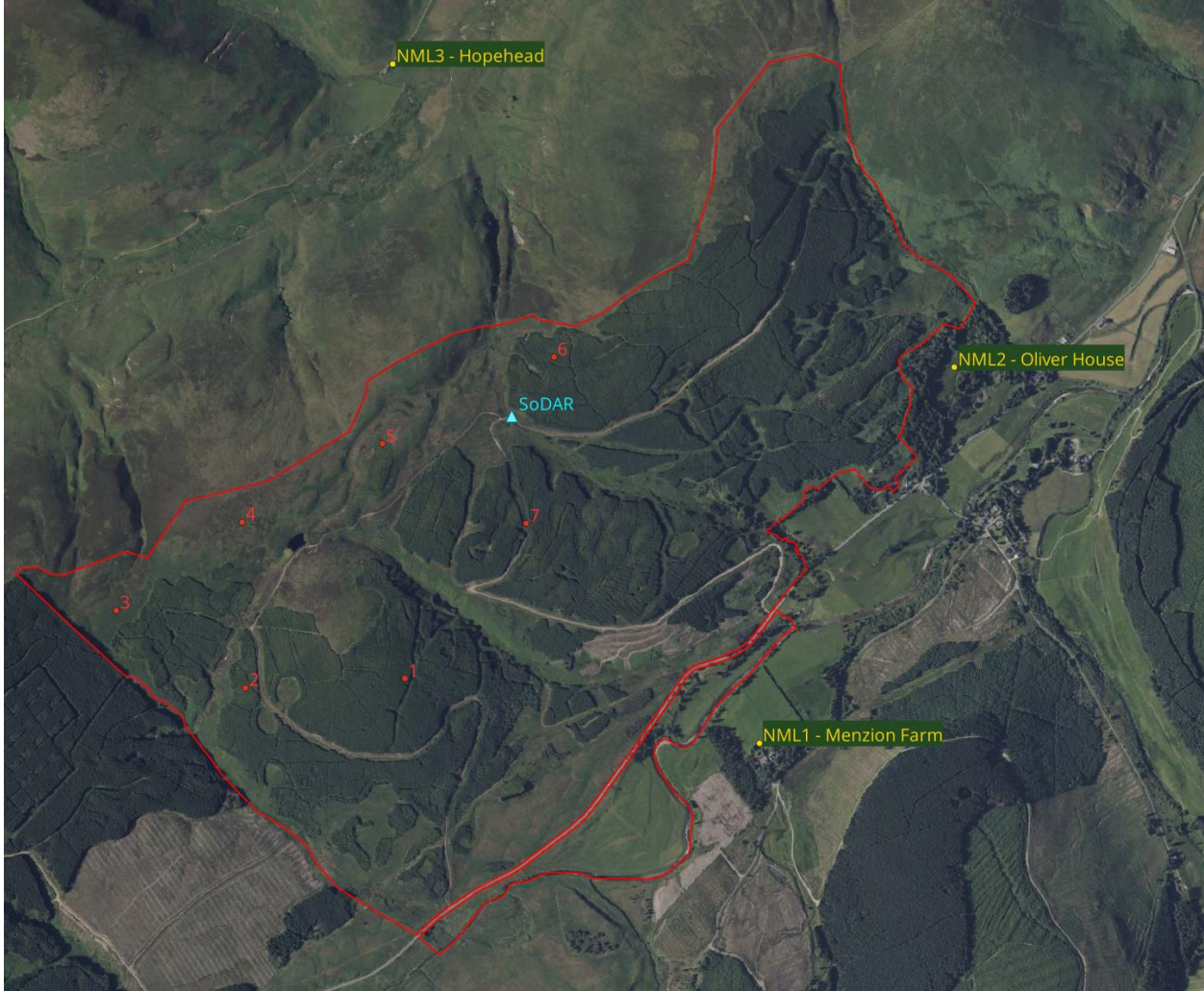
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1.0 Overview of Survey Locations

Set out below in Plate 1 is an overview of the survey locations. Further details of the installed location and Sound Level Meters (SLM) used are provided in the subsequent sections.

Plate 1 – Overview of the Noise Monitoring Locations



2.0 NML1 – Menzion Farm

Equipment

Sound level meter (SLM) position:	309115, 623629
SLM type and serial number:	Rion NL-52, sn 01121098
SLM laboratory calibration date:	23/03/2023
Field calibration values:	94.0 dB (start) / 94.0 dB (end) @ 1kHz
Drift in field calibration:	0.0 dB
Date and time of setup:	12/06/2023, 17:00 (BST)
Date and time of collection:	12/07/2023, 13:45 (BST)

Plate 2 – NML1 Menzion Farm



Description of Measurement Location

This receptor is situated to the south-east of the site, and the SLM was located on the Proposed Development side of the property. The measurement location was approximately 300 m from the A701 and 200 m from the River Tweed. There are two dwellings in the area: Menzion Farm and Menzion House and the SLM was positioned near to the boundary of the gardens of these two properties, approximately 2.5m from the garden wall. The position was selected to be away from large trees noted along the western boundary of the garden. No localised sources of constant noise were noted. The residents were not present during the setting up of equipment; however, potential positions were discussed beforehand and the location was in an area which was agreed to be suitable. Photographs of the SLM were issued to the Scottish Borders Council on 19 June 2023. Consent has been provided by the resident for this, however, no consent was given for the photographs to be included in this EIA Report. Therefore, no photographs are included of this location.

A rural location with a noise climate that can be described as fairly typical for rural amenity with distant traffic audible from the A701, natural noises such as birds, sheep and wind disturbed vegetation. Occasional aircraft could be heard.

3.0 NML2 – Oliver House

Equipment

Sound level meter (SLM) position:	309734, 624824
SLM type and serial number:	Rion NL-52, sn 01121097
SLM laboratory calibration date:	23/03/2023
Field calibration values:	94.0 dB (start) / 93.9 dB (end) @ 1kHz
Drift in field calibration:	0.1 dB
Date and time of setup:	12/06/2023, 13:00 (BST)
Date and time of collection:	12/07/2023, 14:00 (BST)

Plate 3 – NML2 Oliver House



Description of Measurement Location

This receptor is situated to the east of the site, and the SLM was located between the Proposed Development and the dwelling. The measurement location was approximately 200 m from the A701 and 75 m from the house. The property has extensive grounds, including walled, lower, middle and upper gardens. The SLM was located in the upper garden, furthest from the A701, in an open area away from mature vegetation and sources of constant noise. Gardens of other dwellings in the area are located significantly closer to the A701 and mature vegetation. Photographs of the SLM in situ are provided in Plate 4 to Plate 7. The location of the SLM was discussed and agreed with the residents.

A rural location with a noise climate that can be described as fairly typical for rural amenity with distant traffic audible from the A701, natural noises such as birds and wind disturbed vegetation. Occasional aircraft could be heard.

A rain gauge was installed at this location.

Plate 4 – NML2 Looking North



Plate 5 – NML2 Looking East



Plate 6 – NML2 Looking South



Plate 7 – NML2 Looking West

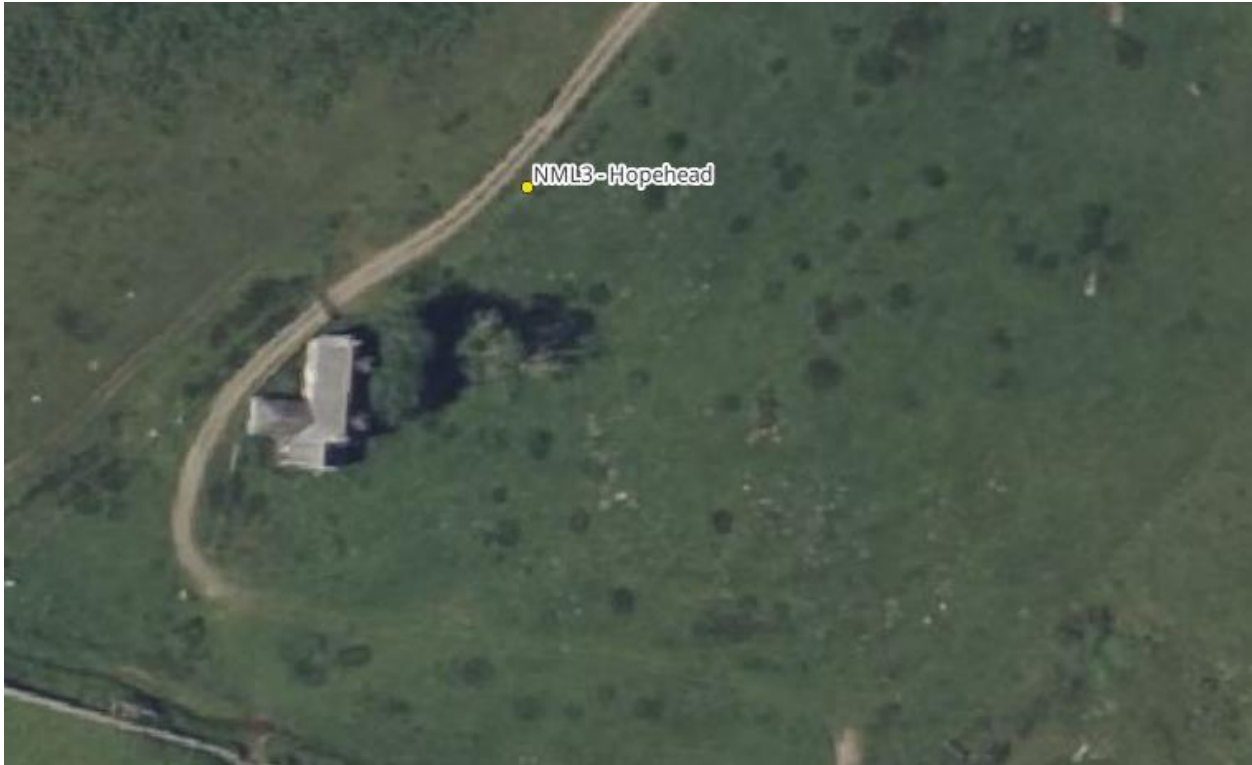


4.0 NML3 - Hopehead

Equipment

Sound level meter (SLM) position:	307950, 625787
SLM type and serial number:	Rion NL-52, sn 01087404
SLM laboratory calibration date:	30/05/2023
Field calibration values:	94.0 dB (start) / 94.0 dB (end) @ 1kHz
Drift in field calibration:	0.0 dB
Date and time of setup:	12/06/2023, 16:00 (BST)
Date and time of collection:	12/07/2023, 15:00 (BST)

Plate 8 – NML3 Hopehead



Description of Measurement Location

This receptor is situated to the north of the site and south of the operational Glenkerie Wind Farm. The measurement location was approximately 1.5 km from the nearest turbine within Glenkerie Wind Farm and 25 m from Hopehead. The property is not a dwelling, it is used once or twice a year by private groups for a remote weekend stay. As such there is no amenity or garden area and livestock graze around the building. The SLM was located adjacent to stock fencing on the farm track that is used to access the building and surrounding fields. Photographs of the SLM in situ are provided in Plate 9 to Plate 12. Care was taken to secure the pole of the sound level meter to the fence post using foam between the pole and fence to isolate them from each other. The strapping used to secure the SLM was wrapped around the SLM pole so as not to flap in the wind and the end of the strapping secured within the SLM box to avoid any loose ends. The location of the SLM was discussed with the owner of the property.

An isolated location with a noise climate influenced by natural sources such as livestock, birds and wind disturbed vegetation. Occasional aircraft could be heard and wind turbine noise was very faintly audible when other noises were suppressed. The nearest turbine of Glenkerie Wind Farm is visible in Plate 9.

Plate 9 – NML3 Looking North



Plate 10 – NML3 Looking East



Plate 11 – NML3 Looking South



Plate 12 – NML3 Looking West

