

The Great Grid Upgrade

Sea Link

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Volume 9: Examination Submissions

Document 9.82: Operational Noise Contour Plan for Saxmundham Converter Station

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# 1. Introduction

1.1.1 Within Suffolk Energy Action Solutions Written Representations it was suggested that the Applicant should have published a scaled map of the Saxmundham Converter Station and surrounding area showing the predicted increase in soundscape, shown as noise contours in dB(A).

1.1.2 The Applicant responded within **Application Document 9.79 Applicant's Comments on Written Representations [REP2-034]** which stated that, further figures would be produced for submission at a later deadline, in addition to the assessment already reported within **Application Document 6.2.2.9 Part 2 Suffolk Chapter 9 Noise and Vibration [AS-109]**.

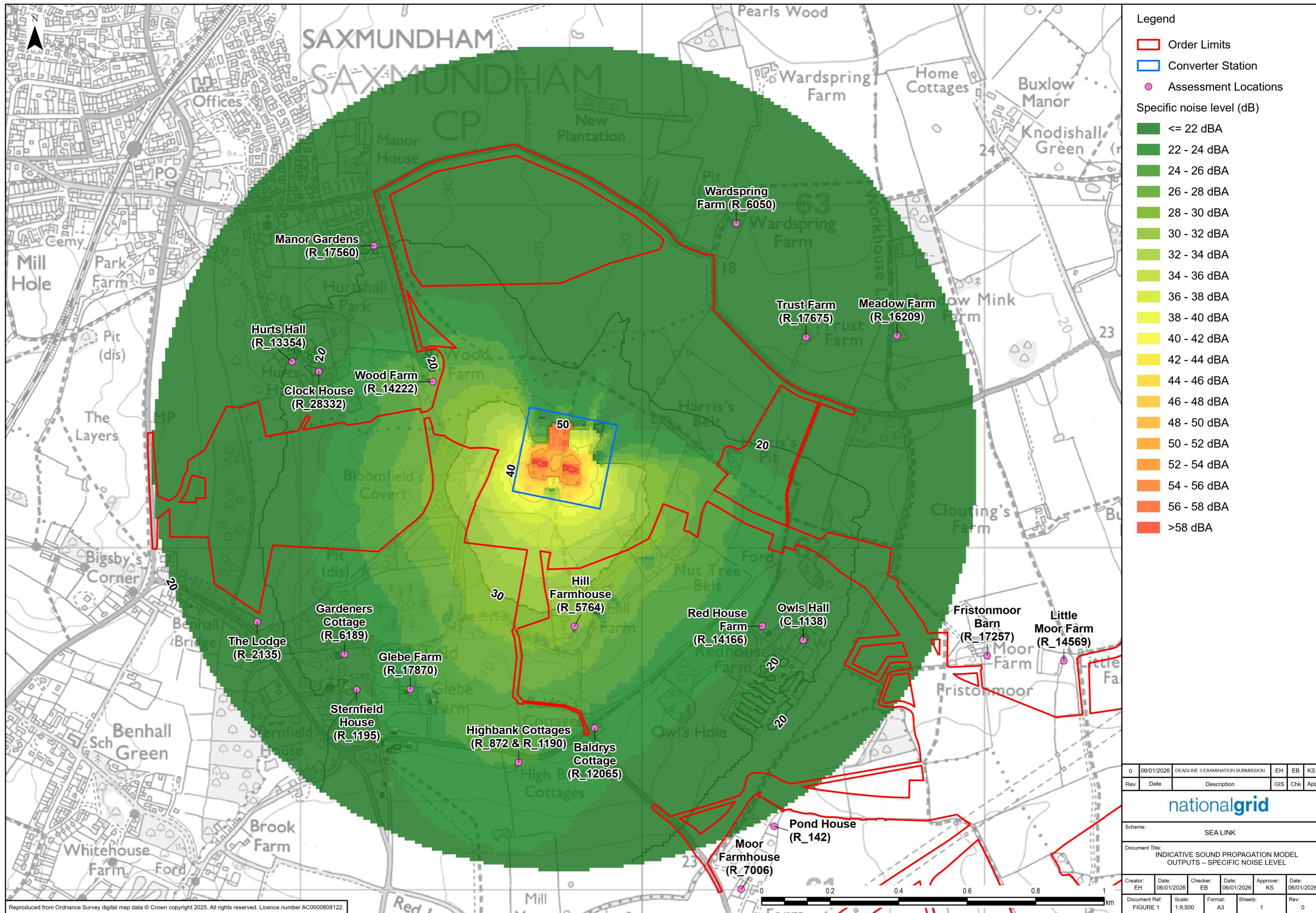
1.1.3 This document contains the following two figures which respond to this request for operational noise contour plans:

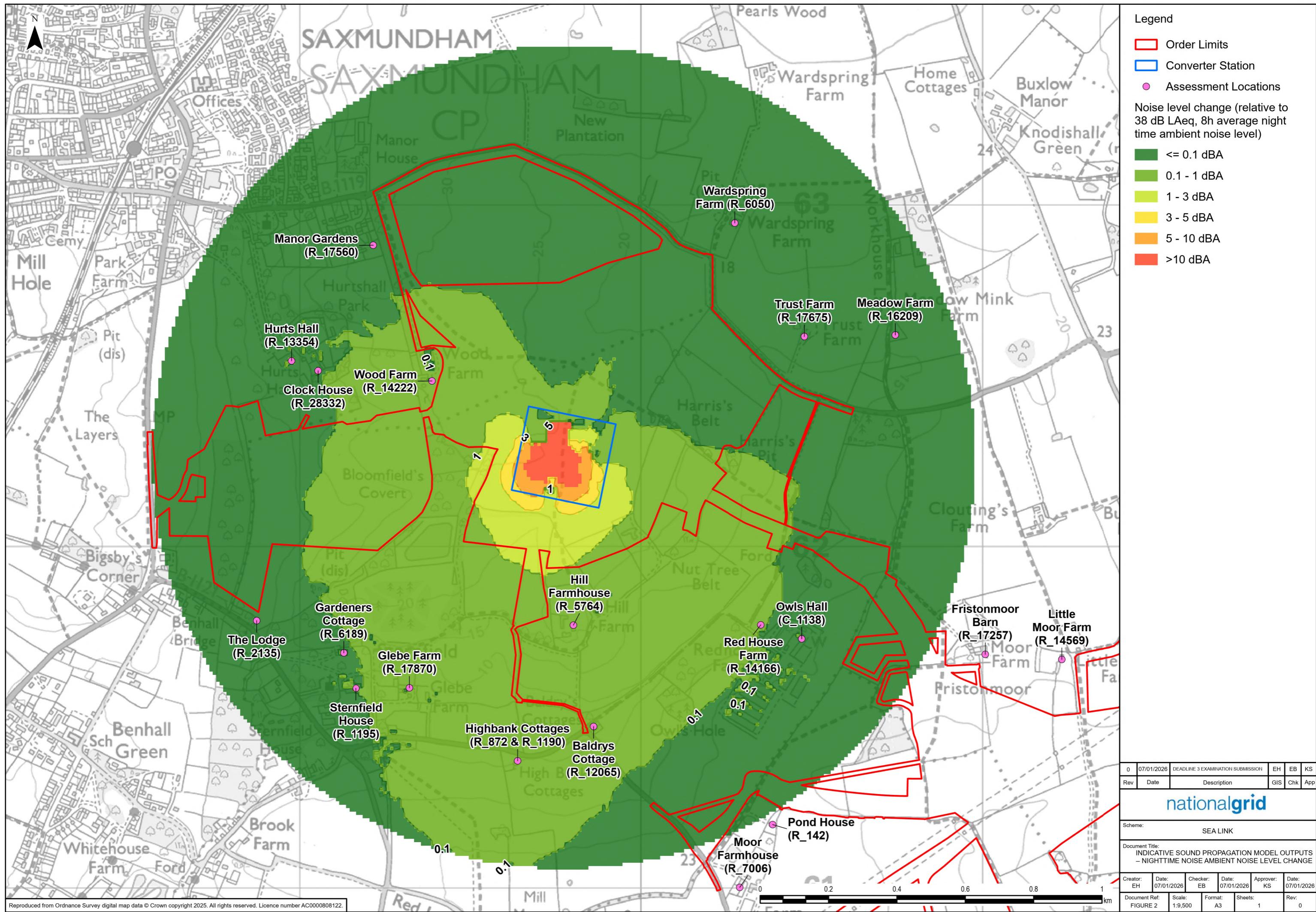
- Figure 1 Indicative Sound Propagation Model Outputs - Specific Noise Level; and
- Figure 2 Indicative Sound Propagation Model Outputs - Night-time Noise Ambient Noise Level Change.

1.1.4 Figure 1 shows the specific sound level of the proposed Saxmundham Converter Station during normal operation.

1.1.5 Figure 2 shows the change in ambient night-time noise level due to the introduction of the proposed Saxmundham Converter Station. The figure assumes an existing average night-time ambient noise level of 38 dB  $L_{Aeq,8h}$  across the Study Area as a worst-case, representative of the quietest measurement location from the noise survey undertaken over an eight day period in June 2023. During daytime periods, the change in ambient sound level would be lower.

# Figures





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