HORIZON NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Wylfa Newydd Project

Request for Non-Material Change (RfNMC) no.4 Working Hours

PINS Reference Number: EN010007

17 January 2019

Revision 1.0
Examination Deadline 4

Planning Act 2008
Infrastructure Planning (Applications: Prescribed Forms and Procedure) Regulations 2009

Horizon Internal DCRM Number: WN0902-HZDCO-PAC-REP-00119

[This page is intentionally blank]

Contents

1 Introduction 1
1.1 Purpose of this report 1
1.2 Scope of this report 2
1.3 Non-materiality of the proposed change 2
Cumulative effects 3
1.4 Engagement and consultation on the proposed change 4
1.5 Summary of responses received 5
1.6 Procedure after consultation 10
2 Non-Material Change: Working Hours 11
2.1 Background to the proposed change 11
2.2 Description of the proposed change 12
2.3 Justification for the proposed changes 17
Improving the resilience of the construction programme 17
Urgent need for new nuclear 17
Reduces the length of effects on the local community and ecological receptors 17
2.4 Summary of environmental appraisal 17
Environmental Statement 18
Other Assessments 18
2.5 Topic assessments 19
Air quality 19
Noise and vibration 37
Terrestrial and freshwater ecology 44
Environmental Lighting Impact Assessment 49
The marine environment 55
Combined topic effects 57
Health impacts 62
Equality impacts 66
Shadow Habitats Regulations Assessment 67
2.6 Cumulative assessment for the proposed changes 76
2.7 Schedule of engagements 76
2.8 Schedule of consequential amendments to application documents 79
3 References .....
Appendix 1-1 Cumulative assessment report .....
Appendix 1-2 Further before and after extracts .....
Appendix 1-3 Copies of "Consultation Update" .....
Appendix 1-4 Maps of mailing zones .....
Appendix 1-5 Horizon's responses to consultation responses received .....
Appendix 1-6 Light receptor vertical grids .....
Appendix 1-7 Noise plots .....

List of Tables

Table 2-1 Site operation hours assumed in chapter D1 [APP-120] submitted as part of the Draft DCO application and secured in the Main Power Station Site sub-CoCP [APP-415]. 11
Table 2-2 Working hours as submitted in the Draft DCO application and the proposed change to these 13
Table 2-3 Year 2 peak earthworks and Marine Works scenario – predicted annual mean NO_2 concentrations at key human receptors 21
Table 2-4 Year 2 peak earthworks and Marine Works scenario – predicted short-term NO_2 concentrations at key human receptors 23
Table 2-5 Year 5 peak construction scenario – predicted annual mean NO_2 concentrations at key human receptors 25
Table 2-6 Year 5 peak construction scenario – predicted short-term NO_2 concentrations at key human receptors 26
Table 2-7 Number of human receptors experiencing predicted effects from emissions to air from the construction plant, machinery and marine vessels due to the proposed change for the year 2 and year 5 assessment scenarios 27
Table 2-8 Year 2 peak earthworks and Marine Works – magnitude of annual mean NOx concentration changes at key ecological receptors 31
Table 2-9 Year 2 peak earthworks and Marine Works – magnitude of maximum 24-hour mean NOx concentration changes at key ecological receptors 31
Table 2-10 Year 5 peak construction – magnitude of annual mean NOx concentration changes at key ecological receptors 32
Table 2-11 Year 5 peak construction – magnitude of maximum 24-hour mean NOx concentration changes at key ecological receptors 32
Table 2-12 Year 2 peak earthworks and Marine Works – magnitude of annual mean nitrogen deposition rate changes at key ecological receptors 33
Table 2-13 Year 2 peak earthworks and Marine Works – magnitude of annual mean acid deposition rate changes at key ecological receptors 34
Table 2-14 Year 5 peak Power Station construction – magnitude of annual mean nitrogen deposition rate changes at key ecological receptors 35
Table 2-15 Year 5 peak Power Station construction – magnitude of annual mean acid deposition rate changes at key ecological receptors 36
Table 2-16 Difference in magnitude of change compared to the Draft DCO Application 40
Table 2-17 Spatial distribution of changes in magnitude 40
Table 2-18 Number of significant noise effects, in the absence of additional mitigation, at residential receptors as presented in the chapter D6 [APP-125] of the Environmental Statement and as a result of the proposed change 42
Table 2-19 Changes in predicted peak noise levels at chough nest sites 47

Table 2-20 Lighting effects on sensitive receptors as presented in appendix D10-10 [APP-201] of the Environmental Statement and as result of the proposed change. Additional mitigation has been proposed where appropriate and the residual effects assessed 53
Table 2-21 Topic assessments and receptors potentially affected by the proposed change to working hours (denoted by 'Y'), as well as any other topics which affect the same (or similar) receptors but are not affected by the proposed change (denoted by 'X') (adapted from appendix D16-1 [APP-236]). 60
Table 2-22 Likely new or different environmental effects 68
Table 2-23 Schedule of engagements 76
Table 2-24 Schedule of consequential amendments to application documents 79
Table 3-1 Schedule of references 85

List of Figures

Figure 2-1 Before proposed change to indicative haul routes (i.e. as per the Draft DCO application) .....
Figure 2-2 After proposed changes to indicative haul routes .....
Figure 2-3 Amended indicative earthworks haul routes as a result of the proposed change with annotated key lighting sensitive receptors .....
Figure 3-1 Figure D5-5 as submitted in the Draft DCO application .....
Figure 3-2 Amended figure D5-5 as a result of the proposed change .....

1 Introduction

1.1 Purpose of this report

1.1.1 Horizon is currently seeking a Development Consent Order to enable the construction, operation and maintenance of the Wylfa Newydd DCO Project ("**Draft DCO application**"), which was submitted and accepted for examination by the Secretary of State for Business, Energy and Industrial Strategy on 28 June 2018. The Draft DCO application is currently in the examination phase.

1.1.2 The purpose of this report is to set out Horizon Nuclear Power Wylfa Limited's ("**Horizon**") formal written request for a non-material change to extend the working hours for specified activities of Main Construction into the evening (up to 22:00) and for other limited activities to 24 hours.

1.1.3 In summary, the Draft DCO application for the Wylfa Newydd DCO Project sets out the days and times when site activities may be undertaken. In many areas of activity, 24-hour 7-days per week working is necessary to maintain a viable construction schedule. Exceptions to this are specified, with certain operations undertaken only from 07:00 to 19:00. Horizon is proposing to amend the list of activities carried out from 19:00 to 07:00, to increase the range of activities allowed on a 24/7 basis. The changes are accompanied by some amendments to construction methods and will give greater flexibility and resilience in the programme, as well as improving worker safety.

1.1.4 The proposed change relates to the construction phase of the WNDA Development (i.e. the Power Station, Site Campus, Marine Works and other on-site developments), and has been assessed against relevant parts of the Draft DCO application to determine whether it would result in any new or different likely significant environmental effects. The details of the proposed change (provided in section 2.2) have been carefully considered to ensure that work activities covered by the change can be undertaken with minimal environmental effects. Where there is considered to be potential for new or different effects to occur as a consequence of the proposed change, new and/or enhanced mitigation has been proposed to enable an overall conclusion of 'no new or different likely significant environmental effects' to be reached.

1.1.5 Horizon carried out public consultation on the proposed change between **Thursday 8 November 2018** and **Thursday 6 December 2018**. Following the close of consultation, Horizon considered the responses received and updated this document to have regard to those responses. This updated document is now submitted to the Examining Authority as a formal written request for the non-material change to be considered for acceptance into examination by the Examining Authority.

1.1.6 This document uses terms and definitions that defined in the DCO General Glossary [APP-006].

1.2 Scope of this report

1.2.1 This report describes the proposed change being sought by Horizon to the Draft DCO application and sets out the justification and the environmental appraisal of this proposed change. It includes a table (Table 2-22) clearly setting out the implications of the proposed non-material change to the assessments detailed in the Draft DCO application, and a statement on any new or different likely significant environmental effects (if any) of the proposed change.

1.2.2 This report also includes a summary of the consultation undertaken and a 'schedule of engagement' (Table 2-23) listing the parties that were identified as having an interest in this proposed change.

1.2.3 Finally, a 'schedule of consequential amendments' (Table 2-24) is provided, listing the original application documents (or parts thereof) which would need to be amended by Horizon should the Examining Authority accept the proposed change into Examination.

1.2.4 Horizon's objective in compiling this report is to ensure that the Examining Authority is provided with sufficient information to consider the merits of the proposed non-material change and the consultation feedback received from stakeholders about it. This is to enable the Examining Authority to make a decision on whether or not the proposed non-material change may be accepted and therefore included in the Examination of the Draft DCO application.

1.2.5 However, should the Examining Authority require any further relevant additional information in support of this request, Horizon will endeavour to provide it as soon as possible.

1.3 Non-materiality of the proposed change

1.3.1 In assessing the proposed change, Horizon has had regard to the advice contained in the Planning Inspectorate's Advice Note 16: *How to request a change which may be material* (Version 2, March 2018) [RD1].

1.3.2 In determining the materiality of the change, Horizon reviewed the Environmental Statement including the following topic chapters and their associated appendices to determine whether or not there were any new or different likely significant effects resulting from the proposed change in relation to:

- air quality (excluding emissions from traffic) (chapter D5), [APP-124];
- noise and vibration (chapter D6), [APP-125];
- terrestrial and freshwater ecology (chapter D9), [APP-128];
- Environmental Lighting Impact Assessment (appendix D10-10), [APP-201];
- the marine environment (chapter D13), [APP-132];
- combined topic effects (chapter D16), [APP-135];
- intra-project cumulative effects (chapter I4), [APP-387]; and

- inter-project cumulative effects (chapter I5), [APP-388].

1.3.3 The details of the proposed change have been carefully considered to ensure that the change can be undertaken with minimal environmental effects. Where there is considered potential for new or different effects to occur as a consequence of the proposed change, new and/or enhanced mitigation has been proposed to enable an overall conclusion of 'no new or different likely significant environmental effects' to be reached.

1.3.4 Further consideration has also been given to the potential effect of the proposed change on the assessments contained in the following reports submitted as part of the Draft DCO application:

- Health Impact Assessment Report [APP-429];
- Equality Impact Assessment [APP-434]; and
- Shadow Habitats Regulations Assessment Report [APP-050/051].

1.3.5 With consideration of the new and/or enhanced mitigation which has been proposed to address potential noise and light impacts to human health and equality, a conclusion of 'no new or different likely significant effects' to human health and equality has been reached and assessments remain as reported in the Draft DCO application. No new or differently likely significant effects have been identified in relation to the Shadow Habitats Regulations Assessment Report [APP-050/051] and therefore the conclusions would remain as reported in the Draft DCO application.

1.3.6 On the basis of the information presented here and in subsequent sections of this document, it is not anticipated that the proposed change alters the Wylfa Newydd DCO Project to such a degree that it is a materially different project.

Cumulative effects

1.3.7 Horizon is seeking a total of five non-material changes to the Wylfa Newydd DCO Project application. Horizon has already consulted upon and submitted the following two non-material change requests, both of which were accepted into examination on 31 October 2018:

- Request for Non-Material Change no.1 – Blasting Strategy [AS-012]; and
- Request for Non-Material Change no.2 – Marine Vessel Movements [AS-013].

1.3.8 In addition to the non-material change (no.4) described in this document, Horizon has consulted on two further non-material change requests:

- Request for Non-Material Change no.3 – Worker Shift Patterns; and
- Request for Non-Material Change no.5 – HGV delivery window.

1.3.9 The implications of each proposed change to the cumulative assessment reported in the Draft DCO application is considered and assessed within each document.

1.3.10 The cumulative assessment is summarised in section 2.6 below with further information provided in appendix 1-1. Based on the information presented, it is not anticipated that the proposed change described in this report will interact with the other non-material changes being sought to produce any new or different likely significant environmental effects resulting from the interaction of these changes either in combination or cumulatively with any other projects.

1.3.11 Taking the above factors into account and the representations received Horizon considers that the proposed change to working hours and the consequential changes to haul routes should be regarded as non-material.

1.4 Engagement and consultation on the proposed change

1.4.1 Following notification of its intention to submit written requests for non-material change on Wednesday 17 October [AS-011], Horizon consulted on the proposed change to ensure that all persons that could be potentially affected had sufficient opportunity to provide their views.

1.4.2 Consultation on the proposed change ran for a period of 28 days commencing on Thursday 8 November 2018 and ending on Thursday 6 December 2018.

1.4.3 In developing its approach to consultation on the proposed change, Horizon identified a number of parties which it considered would have an interest in the proposed change (including prescribed persons under section 42(1)(a)-(d) of the Planning Act 2008, statutory consultees and Persons with an Interest in Land). These parties are listed in Section 2.7 and were specifically notified of the consultation on the proposed change.

1.4.4 Section 2.7 identifies the parties expected to have an interest in this proposed change and how Horizon engaged with them.

1.4.5 As the proposed non-material change does not require any 'additional land', Horizon did not consider that the consent of persons with an interest in the relevant land was required under the Infrastructure Planning (Compulsory Acquisition) Regulations 2010.

1.4.6 Copies of the consultation documents were made available for public viewing at:

- The Anglesey Business Centre, Isle of Anglesey County Council, Bryn Cefni Business Park, Llangefni, Anglesey, LL77 7XA, Monday to Friday 9am to 5pm, and
- Wylfa Newydd Site Office, Cemaes Bay, Anglesey, LL67 0AA, Monday to Friday 9am to 5pm by appointment only, and
- on Horizon's consultation website, www.horizonnuclearpower.com/consultation.

1.4.7 As noted above, consultation on the proposed change was undertaken from Thursday 8 November 2018 until Thursday 6 December 2018. This

consultation was a combined consultation with proposed changes 3 and 5, Worker Shift Patterns and HGV delivery windows respectively.

1.4.8 Technical Reports (from which formal request for change documents 3, 4 and 5 are derived) and Summary Information Sheets (in English and Welsh) were published on Horizon's consultation website www.horizonnuclearpower.com/consultation, so that they were publicly available to anyone with an interest in the proposed change.

1.4.9 During the consultation period, Horizon held an Open Surgery event in Cemaes on 19 November 2018 at the Cemaes Village Hall between 13:00 and 19:00. The purpose of this was to enable members of the public to come and speak to Horizon technical experts about the proposed change and view hard copies of the consultation materials. The Cemaes event was attended by 15 members of the public.

1.4.10 In addition to these consultation events, Horizon also undertook a maildrop of its newsletter entitled '*Consultation Update'* to all households within Cemaes, Tregele and along the southern stretch of the A5025 as areas to be potentially affected by the proposed changes. The newsletter included an article which summarised proposed changes 3, 4 and 5, the upcoming consultation events and how people could have their say on the proposals. A copy of this newsletter is appended to this document as appendix 1-3 and maps of the mailing zones are in appendix 1-4 (five maps total).

1.4.11 All parties were asked to provide their responses to Horizon either by mail or email via its freepost address (Freepost WYLFA NEWYDD) or by emailing wylfaenquiries@horizonnuclearpower.com. A freephone number (0800 954 9516) was provided for questions. Follow-up calls and meetings were also offered if required but none were requested.

1.5 Summary of responses received

1.5.1 At the end of the consultation period Horizon had received responses from 16 parties in respect of the three proposed non-material changes, including from Isle of Anglesey County Council (IACC), Natural Resources Wales (NRW) and the Welsh Government.

1.5.2 This section sets out a summary of the consultation responses received about the proposed non-material change to working hours, and a summary of Horizon's response. Full copies of the responses received and Horizon's detailed responses have been provided as appendix 1-5.

Views on materiality

1.5.3 The local residents that made responses about the proposed changes to working hours did not make direct reference to the materiality of the change; however, it can be inferred from their responses that they were concerned about any additional impacts resulting from the extended working hours, particularly with regard to traffic noise, air quality, noise and vibration. Horizon acknowledges the concerns of local residents but considers that the changes produce no additional impacts outside of those described in the Draft DCO application, as set out in section 2 below.

1.5.4 IACC disagreed with Horizon that the proposed change to working hours, including the changes proposed to haul roads, were non-material. IACC also stated its view that the cumulative effects of the changes represented a material change to the application that would require a full assessment of the impacts, including the provision of other environmental information; also, an opportunity should be provided to IACC to consider the implications of the proposed changes to the Local Impact Report that was submitted to the Examining Authority.

1.5.5 NRW did not comment directly on materiality, rather it characterised its responses in relation to "new or different likely significant environmental effects", concluding that such effects were unlikely as a result of the proposed change to working hours.

1.5.6 With regards IACC's concern over materiality, both individually and cumulatively, Horizon considers the assessments to be robust in their determination of non-materiality for the reasons set out in section 2 and agrees with NRW's view that there will not be new or different likely significant effects arising from the changes individually or cumulatively.

IACC

1.5.7 IACC responded to the working hours and shift patterns changes together. IACC considered that insufficient information on the impacts of the proposed changes to working hours and shift patterns is provided to allow IACC to accept the assessments of impacts presented.

1.5.8 IACC stated its objection to the changes to the working hours and considered that the proposed changes to the working hours would constitute a significant increase in construction activities over a 24-hour period, which IACC considered would have an unacceptable adverse impact on both environmental and human receptors. Horizon has provided additional detail in specific areas within section 2.5 of this document including the associated appendices and considers the assessment of non-materiality to be robust in the absence of evidence to the contrary.

1.5.9 IACC asserted that the proposed working hours conflict with construction times as recommended within British Standards such as BS6472-2:2008 (Guide to evaluation of human exposure to vibration) and BS 5228-1:2009 (Code of practice for noise and vibration control on construction and open sites). Horizon has committed to specified vibration levels for the period 18:00-19:00 accordingly. IACC also considered that the change to working hours would result in the intensification of works on site, which would constitute an unacceptable adverse impact on residential amenity of the local population in terms of noise and vibration. As a result of Batch 2 Requests for Non-Material Change and ongoing Statement of Common Ground (SoCG) process, Horizon has committed to lower the thresholds of eligibility in the Local Noise Mitigation Strategy (LNMS) which will result in adverse impacts on residential properties being reduced through uptake of noise mitigation.

1.5.10 IACC stated that the change to these aspects have the potential to impact on key elements of the Wylfa Newydd DCO Project, including worker

accommodation and on the housing stock in north Anglesey. IACC considered that these impacts have not been properly assessed and that the number of workers working longer shifts is not detailed; consequently, the potential risk to their well-being as well as the community is not properly considered. IACC objected to the changes to shift patterns on the basis of lack of full assessment of the potential impacts. Horizon considers that matters relating to noise and vibration and worker/community safety are addressed in the Draft DCO application in addition to within section 2 and in appendix 1-7 of this document. There is no evidence to indicate that the change has any impact on housing matters.

1.5.11 IACC noted that the proposed change no.4 on "working hours" introduced what appear to be six new haul routes. The consultation document stated: '*new construction noise modelling and assessment were undertaken to reflect change to working hours and consequential amendments to haul routes*.' IACC requested that these are submitted for review as soon as is practicable. The indicative location of the haul roads for the purpose of the modelling is shown in Figure 2.2 Results of the modelling are discussed in section 2.5 below and shown in appendix 1-7, IACC considered it inappropriate to introduce new haul routes within this documentation (request for changes to working hours). IACC requests that Horizon clarifies the scope of the proposed change to include reference to the haul routes and to demonstrate how the new haul routes shall not adversely affect residential receptors, through submission of detailed noise assessments and revised noise contour maps.

1.5.12 New haul routes are proposed to reduce the potential environmental effects of the proposed change and to improve the construction methodology. All haul routes have been modelled and assessed by Horizon as a worst case, as set out in section 2.2l In practice, haul routes are indicative and will evolve as site levels change.

1.5.13 IACC sought more detail with regard to the lighting impact assessment, to be able to assess whether the additional lighting on the six new haul routes is acceptable. IACC also sought more information about noise modelling result data as it considered this has direct relevance to the extended working hours. Horizon's modelling methodologies are identical to those which support the Draft DCO; further text and plans (have been provided in the formal request for change below (see section 2.5 and associated appendices.

NRW

1.5.14 In addition to its underlying concerns about the Shadow Habitats Regulation Assessment (sHRA) and the Anglesey Terns Special Protection Area (SPA), NRW recommended that detailed mitigation measures in respect of marine receptors are set out in a detailed Marine Works sub-Code of Construction Practice ("sub-CoCP") [REP2-033], and approved by the discharging authority in consultation with NRW.

1.5.15 NRW also recommends that detailed mitigation measures in respect of European and/or Nationally Protected Species, are set out in detail in the relevant sub-CoCP and approved by the discharging authority in

consultation with NRW. Mitigation measures are secured via the relevant sub-CoCP and other control documents with further detail to be developed with NRW.

1.5.16 NRW sought clarification about why the Area of Outstanding Natural Beauty (AONB) is not considered a receptor in the consultation report, with reference to the extended working hours and the requirement for additional lighting. The AONB **has** been considered as a receptor along with all other sensitive receptors, and indeed a further four sensitive receptors have now been incorporated into Table 2.15. In all cases, no new or different likely significant effects were identified.

1.5.17 With regard to air quality, NRW advised that it would be useful to demonstrate the likely changes on Bae Cemlyn / Cemlyn Bay Special Area of Conservation, even if Horizon considers the process contribution to be below the relevant thresholds. Additional information about the predicted emissions, resulting from the change to working hours, was recommended to be provided in respect of the Cae Gwyn Site of Special Scientific Interest (SSSI). Horizon has responded accordingly in Tables 2-4 to 2-7 below which shows no significant changes in air quality emissions at receptors and that emissions are well below air quality objectives.

1.5.18 NRW agreed with Horizon's assessment that the proposed change is not likely to result in new or different likely significant effects to Air Quality, Terrestrial and Freshwater Ecology, Anglesey Terns SPA, the marine Environment or Anglesey AONB.

1.5.19 In its advice NRW stated that it maintains its disagreement with the conclusions of the assessments in Chapter D13 [APP-132] and the sHRA [APP-050/051] with respect to the Anglesey Terns SPA. NRW also noted the potential for proposed additional lighting, as well as the proposed additional haul roads, to result in additional effects for the SPA, but reiterated that it does not consider these to be new or different likely significant effects.

1.5.20 While NRW stated that the change to working hours is unlikely to result in new or different likely significant effects to the marine environment, it advised that detailed mitigation measures would need to be set out in a detailed Marine Works sub-CoCP [REP2-033]. Requested mitigation measures are secured via sub-CoCP and with further detail to be developed with NRW via the Marine Licence application.

Welsh Government

1.5.21 While Welsh Government made comments relating to the HGV delivery window and shift patterns changes, it made no comments that related to the proposed non-material change to working hours.

Coal Authority

1.5.22 The Coal Authority responded to say it had no comment on the proposed non-material changes.

Trinity House

1.5.23 Trinity House responded to say it had no comment on the proposed non-material changes.

North Wales Fire and Rescue Service (NWFRS)

1.5.24 NWFRS noted the proposed change to working hours and had no adverse comments to make.

Gwynedd Council (GCC)

1.5.25 GCC noted that the extended working hours affected site based-activities only and would not encroach on traffic flows off-site. As such, GCC was "comfortable" with Horizon's position that there would be no detrimental effects to the operation of their highways network or negative affects to traffic flows on the Britannia Bridge. This was as long as there were no "knock-on" effects to GCC's highways network arising from the timing of traffic movements or an increase in traffic flows as set out in the Draft DCO application. Horizon can confirm that there is no change to traffic flows as a result of the working hours non-material change request.

Local Resident 1

1.5.26 A local resident expressed concern for the proposed night time working hours commenting that the activities taking place during the extended working hours were potentially noisy and had the potential to have an adverse effect on the health and safety of local communities, in particular, as a result of sleep disturbance. The impact on air quality due to dust and debris was also identified as a potential health concern, particularly for those with respiratory problems.

1.5.27 The local resident also raised concerns regarding the potential for increased noise and vibration throughout the construction period and more generally about the impact of the proposed change on the wellbeing and residential amenity of local communities.

Local Resident 2

1.5.28 The local resident expressed concern about the extended working hours and additional disturbance from traffic noise and inconvenience. The resident sought information about compensation measures such as triple glazing – updated information on how the LNMS will be implemented has been provided at Deadline 3 (18 December 2018) (LNMS Update [REP3-050] and Companion Guide [REP3-051]) and the resident is being contacted individually.

1.5.29 Horizon acknowledges the concerns of the local residents above but considers that the changes produce no additional impacts outside of those in the Draft DCO application, as set out in section 2 below.

1.5.30 Nevertheless, as a result of the Batch 2 Requests for Non-Material Change and the ongoing SoCG process, Horizon has committed to lower the thresholds of eligibility in the LNMS which will result in adverse impacts on residential properties being reduced through uptake of noise mitigation. In response to concerns raised by local residents, Horizon has also

committed to ceasing site grading activities during construction at 22:00, rather than at 23:00 as consulted upon. These activities would involve the transportation of material to Mounds B and E from site grading and excavations.

1.6 Procedure after consultation

1.6.1 Following consultation, Horizon had regard to the responses received and reviewed and updated this document as appropriate.

1.6.2 Horizon acknowledges that the acceptance and procedure for consideration and examination of the proposed changes is entirely at the discretion of the Examining Authority. However, if the Examining Authority is minded to accept this proposed non-material change into the Examination, Horizon considers that the remainder of the Examination period would provide sufficient time for Interested Parties to consider and make representations on the published proposed non-material change and for any other procedural requirements to be met.

1.6.3 Horizon also considers that, with the proposed change, the Draft DCO application, would still be of a sufficient standard for Examination and any other procedural requirements can still be met.

2 Non-Material Change: Working Hours

2.1 Background to the proposed change

2.1.1 During Main Construction of the proposed Wylfa Newydd Power Station, a number of different site construction operations will be required and Horizon has proposed to undertake them in the days and times stipulated in Table D1-7 of chapter D1 [APP-120] of the Environmental Statement and secured in the Wylfa Newydd Code of Construction Practice [APP-414] and the Main Power Station Site sub-CoCP [APP-415]. These working hours are presented in Table 2-1 below. Most operations are assumed to be undertaken during the working hours 07:00-19:00 with specified exceptions, such as blasting, tunnelling and other operations.

Table 2-1 Site operation hours assumed in chapter D1 [APP-120] submitted as part of the Draft DCO application and secured in the Main Power Station Site sub-CoCP [APP-415].[1]

Site operation	Working hours
Earthworks (digging, hauling, dumping, back-filling, stockpiling)	07:00–19:00 hours
Temporary/permanent road construction	07:00–19:00 hours
Blasting	Monday to Friday 10:00–16:00 hours, and Saturday 10:00–13:00 hours
Marine piling	07:00–18:00 hours
Drilling and packing for blasting	07:00–19:00 hours
Drilling/stuffing/grouting rock/soil nails	07:00–19:00 hours
Moving/re-positioning rock in the excavations	07:00–19:00 hours
Tunnelling	24 hours, seven days a week
Shotcreting	24 hours, seven days a week
Support operations (e.g. equipment/road maintenance, fuelling, dewatering, etc.)	07:00–19:00 hours, except from dewatering which would be 24 hours a day, seven days a week
Marine dredging	24 hours, seven days a week
Marine Off-Loading Facility (MOLF) construction	07:00–18:00 except crane, barges, tugs which are 24 hours, seven days a week
Site establishment (facilities/utilities set-up)	07:00–19:00 hours
Batch plant set-up	24 hours, seven days a week
Miscellaneous construction operations (training, canteens, facilities management, etc.)	Generally, 24 hours, seven days a week

[1] Unless specified otherwise, works were assumed to be carried out seven days a week.

2.1.2 The assessments for the Draft DCO application were based on an indicative construction plant list/schedule. This indicative plant list/schedule formed the basis of the assessment for air quality (chapter D5), [APP-124], noise and vibration (chapter D6), [APP-125] and the Environmental Lighting Impact Assessment (appendix D10-10), [APP-201] presented in the Environmental Statement. An extract of the plant list/schedule used for the noise modelling and assessment presented in the Draft DCO application is provided in Table 1-2 of appendix D6-1 [APP-142] of the Environmental Statement. Information from the plant list/schedule relevant to the air quality assessment presented in the DCO application is provided in Appendix A of appendix D5-2 [APP-140] of the Environmental Statement.

2.1.3 Since the preparation and submission of the Draft DCO application, Horizon has undertaken additional work to further analyse and consider the programme and logistical implications of the working hours proposed in the Draft DCO application. This review has been necessitated by a number of factors including:

- rationalisation of the preferred delivery model for the Wylfa Newydd DCO Project (shift from a joint venture to project management contractor structure which resulted in Horizon becoming responsible for logistical arrangements); and
- the appointment of, and engagement with, the project management contractor.

2.1.4 This review has involved Horizon and the project management contractor analysing how and when construction activities will be undertaken on-site, and the potential implications of the working hours on workforce safety, contingency arrangements, and preferred construction methodologies.

2.1.5 As a result of these discussions, Horizon is proposing a change to working hours for specific construction operations (i.e. an extension of working hours into evenings or 24 hours) during the construction phase of the Wylfa Newydd DCO Project. Further description of the proposed change is provided in section 2.2.

2.2 Description of the proposed change

2.2.1 To enable resilience and flexibility to be built into the Wylfa Newydd DCO Project schedule, Horizon is seeking to extend the working hours for specified activities of Main Construction into the evening (up to 22:00 for site grading) and for other activities to 24 hours. The proposed changes to working hours are summarised in Table 2-2 alongside working hours submitted in the Draft DCO application.

2.2.2 It should be noted that the working hours for earthworks (excluding in specific areas of the site as detailed in Table 2-2) presented in the Draft DCO application would remain unchanged (i.e. 07:00–19:00 hours).

Table 2-2 Working hours as submitted in the Draft DCO application and the proposed change to these[2]

Construction activities	DCO Working hours	Proposed change
Marine piling	All piling 07:00–18:00 hours	Percussion piling 07:00–19:00 hours. Sheet piling 24 hours
MOLF construction	All relevant plant 07:00–18:00 hours, except marine plant (24 hours)	All plant, 24 hours.
Preparation for blasting including rock drilling and packing for blasting	All plant 07:00–19:00 hours	24 hours, seven days per week construction operations for deep excavations.
Drilling and rock anchoring in excavations including application of shotcrete to stabilise open faces	All plant 07:00–19:00 hours	24 hours, seven days per week construction operations for deep excavations.
Moving/repositioning won rock in the excavations both from the marine area (zone 10) and from unit 1 (zone 4) and unit 2 (zone 8). This material will move to areas around the deep excavation and for the construction of the MOLF.	All plant 07:00–19:00 hours	All of the plant identified in the schedule will be operating 07:00–19:00 hours, whilst only half the plant (50%) identified in the schedule will operate 19:00–23:00 hours and 23:00–07:00 hours. Material in zone 10 will be placed only as far as breakwater (24 hours)
Support operations which covers a range of activities required to support the early works and Main Construction (e.g. equipment/road maintenance, fuelling, movement of equipment and materials, cleaning).	All plant 07:00–19:00 hours or 06:00–20:00 hours	All plant 24-hour operation.
Site grading in construction zones 6, 7, 8 and 9 and the transportation of resultant material on haul routes HR-011, HR-B1 and HR-B2 for the construction of Mound E and Mound B. The majority of this work would occur in months 1-12 of construction	All plant 07:00–19:00 hours	All plant 07:00–22:00 hours.

[2] Unless specified otherwise, constructions activities are assumed to be seven days a week.

2.2.3 As a consequence of the proposed change and to reduce the potential environmental effects, additional haul routes within the Order Limits have been modelled as a worst case, forming the basis of the assessment of the proposed change (see Figure 2-1 and Figure 2-2 for before and after extracts and Appendix 1-2). These include:

- two circular haul routes (HR-B1 and HR-B2) situated to the west of Tregele in construction zone 9, and one haul route from construction zone 9 to Mound E (HR-011); these would primarily be used to transport bulk material arising from site grading during the first year of construction to provide fill material needed to construct Mound B1 and E;
- a haul route from the south extent of the deep excavations (construction zones 4 and 8) to construction zone 6 (HR-012), where rock processing equipment will be situated, which would be used primarily at night so as to avoid plant movements near sensitive receptors;
- two haul routes from the south extent of the deep excavations (construction zones 4 and 8) to construction zones 2 and 10 (HR-013), and from the north extent of the deep excavations (construction zones 4 and 8) to construction zones 2A and 2 (HR-014); these would enable the transportation of rock arising from the excavations to the Marine Works and would be used primarily at night.

2.2.4 Note that Horizon has modelled the worst-case locations for haul routes but actual locations will evolve as the site levels change. As such, the figures below show indicative locations only.

2.2.5 To reduce the potential environmental effects associated with the proposed change to working hours, a small number of amendments have also been made to the indicative plant list/schedule which formed the basis of the modelling and assessments reported in the Draft DCO application. These amendments relate to plant numbers and sequencing of activities – see section 2.5 for further information.

2.2.6 Furthermore, following consultation responses from IACC, and in accordance with guidance in BS6472-2:2008, Horizon will commit to achieving a vibration level of 4.5mm/s PPV outside residences for 95% of blasts during the period 18.00-19.00.

Figure 2-1 Before proposed change to indicative haul routes (i.e. as per the Draft DCO application)

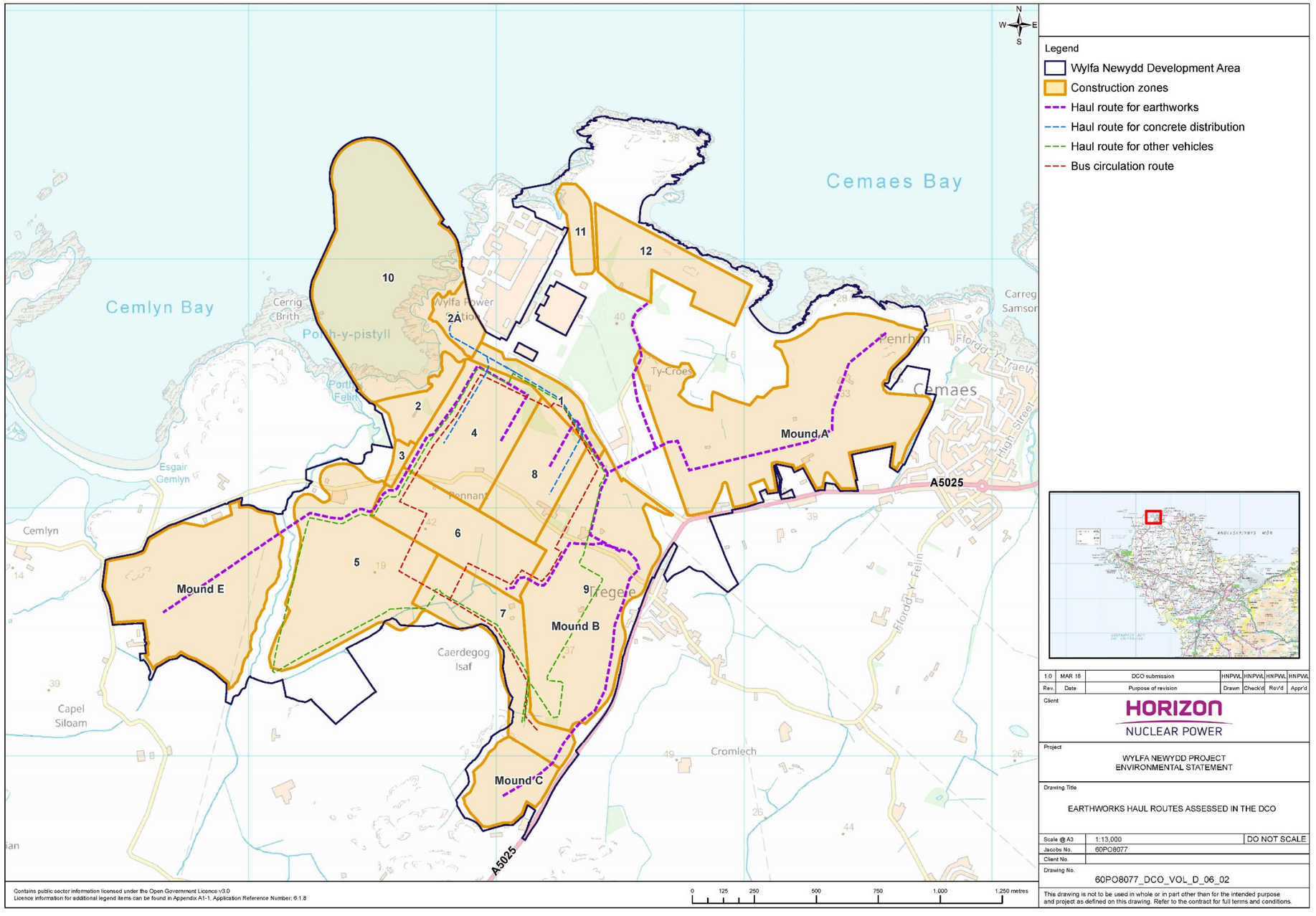
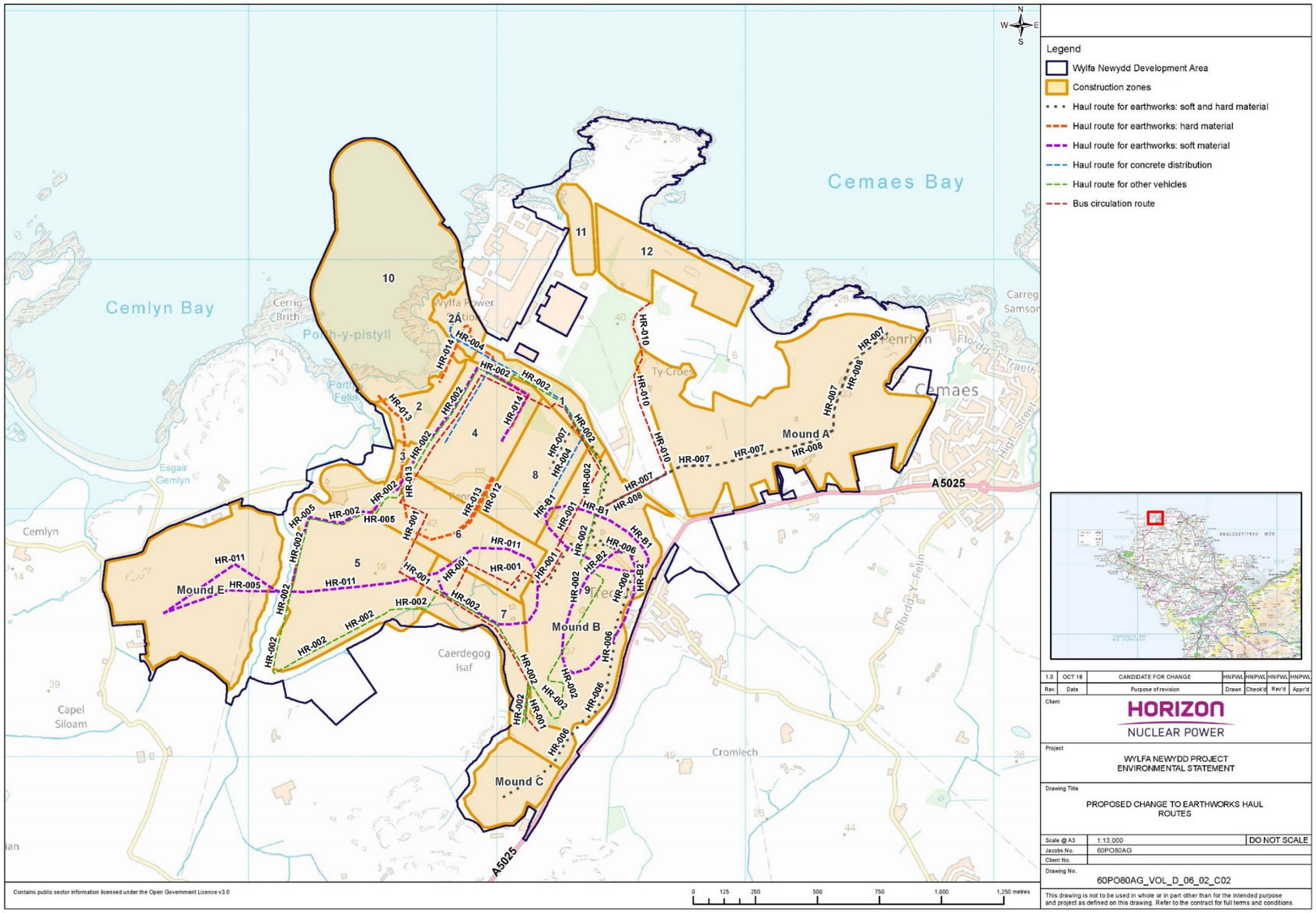


Figure 2-2 After proposed changes to indicative haul routes



2.3 Justification for the proposed changes

Improving the resilience of the construction programme

2.3.2 The proposed change to working hours will enable Horizon to build flexibility and resilience into its construction programme. Currently, the hours proposed in the Draft DCO application provide limited contingency for delays from weather events, equipment or plant breakdown, or unplanned ground conditions. Allowing the extended working hours would provide greater flexibility and ability to recover from any unexpected delays in the construction programme.

Urgent need for new nuclear

2.3.3 By changing the working hours and improving the resilience of the construction programme, the proposed change will enable Horizon to assist the UK Government in meeting its energy security and carbon reduction objectives through the delivery of this nationally significant infrastructure project. The urgent need for new nuclear has been firmly established in National Policy Statements EN-1 [RD2] and EN-6 [RD3] and the recent Ministerial Statement on Energy Infrastructure (December 2017) [RD4] which confirms the Government's continued support for new nuclear power generation post-2025.

Reduces the length of effects on the local community and ecological receptors

2.3.4 In addition to providing Horizon with increased flexibility, the increase in working hours will mean that Horizon has the flexibility to either complete construction activities more quickly or undertake construction on a less intensive basis over a longer period. These options would result in either the magnitude or duration of overall effects experienced by surrounding receptors being reduced.

2.3.5 For example, it is shown in Table 2-16 below with the proposed change there would be 79 (net) residential receptors at which there would be a beneficial change from a major to moderate adverse noise effect. There would be an adverse change of 28 (net) dwellings which decrease from minor to moderate adverse significance. In total there would be fewer adverse changes than beneficial changes and taking account of the enhanced mitigation being offered (see paragraph 2.5.56), overall the proposed change is considered to result in a better situation than currently presented in the Draft DCO application.

2.4 Summary of environmental appraisal

2.4.1 The proposed change has been reviewed and assessed in order to identify whether it is likely to result in any new of different likely significant effects to those assessed in the Draft DCO application. This information is summarised in Table 2-22; where relevant, further discussion is provided below.

Environmental Statement

2.4.2 This review identified that the proposed change could potentially have implications for the following topic assessments outlined in the Environmental Statement submitted as part of the Draft DCO application:

- air quality (excluding emissions from traffic) (chapter D5), [APP-124];
- noise and vibration (chapter D6), [APP-125];
- terrestrial and freshwater ecology (chapter D9), [APP-128];
- Environmental Lighting Impact Assessment (appendix D10-10), [APP-201];
- the marine environment (chapter D13), [APP-132];
- combined topic effects (chapter D16), [APP-135];
- intra-project cumulative effects (chapter I4), [APP-387]; and
- inter project cumulative effects (chapter I5), [APP-388].

2.4.3 Based on the information presented within this document (including proposed new and/or enhancement mitigation), the overall conclusions of these assessments remain unchanged and there are no new or different likely significant effects identified.

2.4.4 As shown in Table 2-2 the proposed change would not affect all construction activities and therefore all the remaining topic assessments detailed within volume D of the Environmental Statement are not considered to be affected by the proposed change and thus, the conclusions remain as reported in the Draft DCO application.

2.4.5 The proposed change only relates to on-site construction activities associated with the Wylfa Newydd Development Area, and therefore only has implications to assessments outlined in volume D (WNDA Development). Thus, there are no further implications for receptors assessed in volumes C and E to H of the Environmental Statement.

2.4.6 The potential effect of all five requests for non-material change to the Draft DCO application (see paragraphs 1.3.7 and 1.3.8 for details of these) to the cumulative assessment reported in the Environmental Statement is assessed in Appendix 1-1.

Other Assessments

2.4.7 Further consideration has also been given to the potential effect of the proposed change to the following assessments reports submitted as part of the Draft DCO application:

- Health Impact Assessment Report [APP-429];
- Equality Impact Assessment [APP-434]; and
- Shadow Habitats Regulations Assessment Report [APP-050/051].

2.4.8 Based on the information presented within this document (including proposed new and/or enhanced mitigation), the overall conclusions of

these assessments remain unchanged and there are no new or different likely significant effects identified.

2.4.9 All other assessments submitted as part of the Draft DCO application (e.g. Welsh Language Impact Assessment, [APP-432]; and Water Framework Directive Compliance Assessment, [APP-444]) would remain unaffected by the proposed change and have therefore not been considered further.

2.5 Topic assessments

2.5.1 The effects of the proposed change to the assessments listed in paragraphs 2.4.2 and 2.4.9 above are summarised in Table 2-22, with further discussion provided below where relevant.

Air quality

2.5.2 Additional air quality mitigation was proposed in chapter D5 [APP-124] of the Environmental Statement due to potentially significant effects with regard to emissions of oxides of nitrogen (NOx) from construction plant, machinery and marine vessels. This is secured in the Main Power Station Site sub-CoCP [REP2-032] and included, among other elements, a commitment to utilise newer non-road mobile machinery (NRMM) with lower NOx emissions. It was not possible to quantify the reduction in pollutant concentrations or deposition rates as a result of utilising newer, lower emitting plant within the Environmental Statement.

2.5.3 Since submission of the Draft DCO application, further work has been undertaken to specify and quantify the effects of the additional air quality mitigation secured in the Draft DCO application. The air quality modelling assessment for both scenario years (i.e. year 2 and year 5) presented in chapter D5 [APP-124] of the Environmental Statement has been updated to incorporate the additional mitigation, the results of which represent the quantified residual effects as applicable to the Draft DCO application.

2.5.4 A report setting out the additional modelling results and assessment of the quantified residual effects was submitted into Examination at Deadline 3 (18 December 2018) for consideration by the Examining Authority (Air Quality Mitigation Quantification Report [REP3-052]). Further details relating to the additional mitigation described in paragraph 2.5.2 that have become available since submission of the Draft DCO application, were secured in an update to the Main Power Station Site sub-CoCP [REP2-032] which was submitted into Examination at Deadline 2 (4 December 2018).

2.5.5 For the purpose of this assessment, it is considered more appropriate to assess the effect of the proposed change against the quantified residual effects described above rather than the results presented in chapter D5 [APP-124] of the Environmental Statement.

2.5.6 The modelled scenarios considered in the assessment of the proposed change are the same as that assessed in the Draft DCO application and included year 2 (i.e. peak earthworks and Marine Works) and year 5 (peak Power Station construction). Air quality dispersion modelling was

undertaken to determine the likely effect of the proposed change for these air quality scenarios. The results are considered to overestimate the predicted concentrations and deposition rates at human and ecological receptors due to some of the assumptions made within the model. As these modelling results are considered to represent a worst case it was deemed appropriate to use these to estimate the likely effect of the proposed change on the Draft DCO application residual effects.

2.5.7 A description of the air quality assessment for human and ecological receptors is provided in the following sections. Before and after extracts showing changes to the new haul routes relative to air quality receptors are shown in appendix 1-2 (see Figure 3-1 and Figure 3-2). The overall conclusions of the effects of the proposed change on the quantified residual effects of the Draft DCO application are summarised in paragraphs 2.5.29 to 2.5.34. The modelling of the proposed change discussed in the following sections includes the contribution from the additional marine vessel movements as described in Request for Non-Material Change no. 2 [AS-002]

Human receptor locations

2.5.8 The proposed change (taking account of the additional mitigation outlined in paragraph 2.5.2 above) does not alter the effects described for particulate matter (PM_{10}, $PM_{2.5}$), sulphur dioxide (SO_2) and carbon monoxide (CO) at human receptors in year 2. These remain negligible adverse and concentrations were well within the relevant Air Quality Objectives (AQOs) and Environment Assessment Levels (EALs). The same applies to year 5. Therefore, PM_{10}, $PM_{2.5}$, SO_2 and CO are not considered further for human receptors and the focus is on the predicted concentrations of NO_2.

2.5.9 The predicted changes in annual mean concentrations of NO_2 for the year 2 peak earthworks and Marine Works scenario are reported in Table 2-3 for the key human receptor locations. The predicted total one-hour mean NO_2 (99.8^{th} percentile of one-hour mean) concentrations for year 2 are reported in Table 2-4. The annual mean and one-hour mean NO_2 concentrations for the year 5 peak construction scenario are set out in Table 2-5 and Table 2-6, respectively.

2.5.10 Considering the proposed change, predicted concentrations of NO_2 would remain well within the AQOs however, maximum concentrations would increase at some locations resulting in an increase in the number of small and medium effects for both year 2 and year 5 compared to quantified residual effects. However, these are relatively modest changes and there are no changes in the number of large effect descriptors. The balance of effects remains predominantly negligible at long-term human receptors and negligible and small adverse at short-term receptors.

2.5.11 The proposed change would likely lead to increases in the predicted concentrations at receptors in Tregele and Cemaes for year 2. However, the increases are relatively small, with the highest total annual mean NO_2 concentration for year 2 increasing from 11.5µg/m^3 (receptor R4 see

receptor locations in Figure 3-2) to 12.5µg/m^3 (receptor R6). The highest increase at the receptors representing Cemaes and Tregele (R1 to R7 and R9) is 14% of the AQO (R7), compared to 6% for the DCO residual effects. However, only at one receptor would the increase result in a change from negligible or small adverse to medium adverse (R7) as a consequence of the proposed change. The remaining receptors representing Cemaes and Tregele are predicted to experience a negligible or small adverse effect for year 2.

2.5.12 Based on the initial modelling for year 2, some decreases in the annual mean NO_2 concentrations are expected at some of the western receptors (R12 – R14) due to the proposed change. The concentration at receptor R15, close to receptor R14, is predicted to increase slightly (increase of 0.3µg/m^3 to 10.2µg/m^3). Similar increases are predicted for the remaining receptors (R10, R11, R16 and R17) with the highest total concentration predicted to be 7.5µg/m^3 at receptor R10.

Table 2-3 Year 2 peak earthworks and Marine Works scenario – predicted annual mean NO_2 concentrations at key human receptors

Receptor	Year 2 baseline	Year 2 peak earthworks and Marine Works with proposed change	Magnitude of change as percentage of AQO value [1,2]
	NO_2 (µg/m^3)	NO_2 (µg/m^3)	NO_2 (AQO = 40µg/m^3)
R1	5.1	≤7.2	+≤5% (n)
R2	5.1	≤8.0	+≤7% (s)
R3	5.1	≤6.5	+≤3% (n)
R4	10.4	≤11.9	+≤4% (n)
R5	6.9	≤10.0	+≤8% (s)
R6	8.4	≤12.5	+≤10% (s)
R7	6.1	≤11.5	+≤14% (m)
R8	5.1	≤6.3	+≤3% (n)
R9	4.8	≤6.3	+≤4% (n)
R10	4.4	≤7.5	+≤8% (s)
R11	4.4	≤5.6	+≤3% (n)
R12	4.3	≤5.6	+≤3% (n)
R13	4.1	≤6.8	+≤7% (s)
R14	4.4	≤8.7	+≤11% (m)
R15	4.4	≤10.2	+≤15% (m)
R16	4.4	≤5.3	+≤2% (n)

Receptor	Year 2 baseline	Year 2 peak earthworks and Marine Works with proposed change	Magnitude of change as percentage of AQO value [1,2]
	NO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)	NO_2 (AQO = 40$\mu g/m^3$)
R17	4.4	≤5.1	+≤2% (n)

Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value.

Note 2: Effect descriptors at individual receptors in parentheses as per table B5-15 of chapter B5 Air quality [APP-070]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.

Table 2-4 Year 2 peak earthworks and Marine Works scenario – predicted short-term NO_2 concentrations at key human receptors

Receptor	Year 2 baseline	Year 2 peak earthworks and Marine Works with proposed change	Magnitude of change as percentage of AQO value [1,2]
	NO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)	NO_2 (AQO = 200$\mu g/m^3$)
R1	10.3	≤30.9	+≤10% (n)
R2	10.3	≤34.5	+≤12% (s)
R3	10.3	≤27.8	+≤9% (n)
R4	20.7	≤39.5	+≤9% (n)
R5	13.8	≤41.2	+≤14% (s)
R6	16.7	≤55.8	+≤20% (s)
R7	12.2	≤57.4	+≤23% (m)
R8	10.3	≤26.7	+≤8% (n)
R9	9.7	≤31.5	+≤11% (s)
R10	8.8	≤37.6	+≤14% (s)
R11	8.8	≤27.1	+≤9% (n)
R12	8.5	≤30.8	+≤11% (s)
R13	8.3	≤38.1	+≤15% (s)
R14	8.8	≤44.3	+≤18% (s)
R15	8.8	≤57.4	+≤24% (m)
R16	8.9	≤22.4	+≤7% (n)
R17	8.9	≤20.7	+≤6% (n)
R18	9.0	≤66.4	+≤29% (m)
R19	9.0	≤149.1	+≤70% (l)
R20	13.5	≤69.4	+≤28% (m)
R22	13.5	≤111.0	+≤49% (m)
R25	8.8	≤83.4	+≤37% (m)

Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value.

Note 2: Effect descriptors at individual receptors in parentheses as per table B5-16 of chapter B5 Air quality [APP-070]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.

2.5.13 The proposed change would not significantly alter the predicted 99.8th percentile of one-hour mean NO_2 concentrations for year 2, with values following a relatively similar pattern to the annual mean concentrations. The predicted concentrations would show some increases at receptors in Tregele and Cemaes, increasing from a maximum of 43µg/m^3 (receptor R6) to a maximum of 57µg/m^3 (receptor R7). There are expected to be decreases for long-term receptors close to Mound E (R11 – R15), due to the proposed change, with the highest concentration decreasing from 69µg/m^3 to 57µg/m^3.

2.5.14 At short-term receptor locations (e.g. footpaths, commercial/industrial residential receptors) there are predicted to be increases and decreases in the 99.8th percentile of one-hour mean concentrations as a consequence of the proposed change for year 2. The maximum concentration of 111µg/m^3 is predicted to increase to 149µg/m^3 at receptor R19. However, the increases are much smaller (i.e. <10µg/m^3) at all other short-term receptors and a decrease of approximately 20µg/m^3 is forecast at Cestyll Gardens (receptor R25), where the total concentration of 83µg/m^3 for year 2.

2.5.15 With regard to the modelling results for year 5, Table 2-5 shows the proposed change leads to minor changes to the effects with these remaining predominantly negligible. Only a very small number of long-term receptors would be described as non-negligible for the annual mean and 99.8th percentile of one-hour mean NO_2 concentrations.

2.5.16 Compared to the quantified residual effects for year 5, the maximum total concentrations would increase slightly to 10.3µg/m^3 (receptor R4) and 33µg/m^3 (receptor R10) for the annual and 99.8th percentile of one-hour mean concentrations, respectively. However, these concentrations are well below the respective AQOs. The maximum 99.8th percentile of one-hour mean concentration at any of the short-term receptors would be 63g/m^3 (receptor R22). The concentrations at the remaining short-term receptors range from 33µg/m^3 to 45µg/m^3.

2.5.17 In summary, the proposed change in both year 2 and year 5 would generally worsen the description of effects for NO_2 when compared to the quantified residual effects. However, these remain predominantly negligible at long-term human receptors and negligible and small adverse at short-term receptors. The proposed change would lead to some increases in NO_2 concentrations at Cemaes and Tregele and decreases at other receptors on the western side of the Wylfa Newydd Development Area. Although the maximum concentrations would increase at some locations, the concentrations are well within the AQOs. On the above basis, the proposed change would not alter the conclusion of the Draft DCO application that air quality effects are not significant, with regard to NO_2.

Table 2-5 Year 5 peak construction scenario – predicted annual mean NO_2 concentrations at key human receptors

Receptor	Year 5 baseline	Year 5 peak construction with proposed change	Magnitude of change as percentage of AQO value [1,2]
	NO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)	NO_2 (AQO = 40$\mu g/m^3$)
R1	5.1	≤5.8	+≤2% (n)
R2	5.1	≤5.9	+≤2% (n)
R3	5.1	≤5.7	+≤1% (n)
R4	9.7	≤10.3	+≤2% (n)
R5	6.6	≤8.0	+≤4% (n)
R6	7.8	≤9.7	+≤5% (n)
R7	5.8	≤8.0	+≤5% (n)
R8	5.0	≤5.7	+≤2% (n)
R9	4.8	≤5.7	+≤2% (n)
R10	4.4	≤8.2	+≤10% (s)
R11	4.4	≤5.4	+≤2% (n)
R12	4.3	≤5.1	+≤2% (n)
R13	4.1	≤5.5	+≤3% (n)
R14	4.4	≤7.4	+≤8% (s)
R15	4.4	≤6.9	+≤6% (s)
R16	4.4	≤4.8	+≤1% (n)
R17	4.4	≤4.7	+≤1% (n)

Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value.

Note 2: Effect descriptors at individual receptors in parentheses as per table B5-15 of chapter B5 Air quality [APP-070)]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.

Table 2-6 Year 5 peak construction scenario – predicted short-term NO_2 concentrations at key human receptors

Receptor	Year 5 baseline	Year 5 peak construction with proposed change	Magnitude of change as percentage of AQO value [1,2]
	NO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)	NO_2 (AQO = 200$\mu g/m^3$)
R1	10.3	≤17.6	+≤4% (n)
R2	10.3	≤18.2	+≤4% (n)
R3	10.3	≤16.8	+≤3% (n)
R4	19.4	≤26.7	+≤4% (n)
R5	13.1	≤27.0	+≤7% (n)
R6	15.6	≤30.5	+≤7% (n)
R7	11.6	≤27.3	+≤8% (n)
R8	9.9	≤19.9	+≤5% (n)
R9	9.7	≤19.4	+≤5% (n)
R10	8.8	≤32.5	+≤12% (s)
R11	8.8	≤20.5	+≤6% (n)
R12	8.5	≤19.3	+≤5% (n)
R13	8.3	≤22.3	+≤7% (n)
R14	8.8	≤28.4	+≤10% (n)
R15	8.8	≤29.1	+≤10% (n)
R16	8.9	≤14.9	+≤3% (n)
R17	8.9	≤14.4	+≤3% (n)
R18	9.0	≤33.6	+≤12% (s)
R19	9.0	≤32.7	+≤12% (s)
R20	13.5	≤45.0	+≤16% (s)
R22	13.5	≤62.8	+≤25% (m)
R25	8.8	≤35.2	+≤13% (s)

Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value.

Note 2: Effect descriptors at individual receptors in parentheses as per table B5-16 of chapter B5 Air quality [APP-070]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case..

Table 2-7 Number of human receptors experiencing predicted effects from emissions to air from the construction plant, machinery and marine vessels due to the proposed change for the year 2 and year 5 assessment scenarios

Averaging period and receptor type	Effect descriptor	Number of receptors experiencing predicted effects			
		Year 2		Year 5	
		Quantified residual effects from the Draft DCO	Proposed change	Quantified residual effects from the Draft DCO	Proposed change
Annual mean NO_2 – long term receptors	Large	0	0	0	0
	Medium	2	≤3	1	≤1
	Small	5	≤64	1	≤3
	Negligible	1,220	≤1,160	1,226	≤1,224
One-hour mean NO_2 (99.8th percentile) – long-term receptors	Large	0	≤0	0	≤0
	Medium	3	≤2	1	≤0
	Small	76	≤91	0	≤2
	Negligible	1,148	≤1,134	1,227	≤1,226
One-hour mean NO_2 (99.8th percentile) – short-term receptors	Large	3	≤2	0	≤0
	Medium	38	≤41	1	≤7
	Small	134	≤128	20	≤30
	Negligible	252	≤256	406	≤390

Ecological and cultural heritage receptor locations

2.5.18 A number of ecological receptors were identified in the terrestrial and freshwater ecology chapter (chapter D9), [APP-128] of the Environmental Statement where further consideration was required due to the predicted changes in NO_x concentrations and nitrogen and acid deposition (the criteria for identifying when further consideration is required are set out in chapter B5 [APP-070], of the Environmental Statement, paragraphs 5.4.146 to 5.4.149). With quantification of the additional mitigation already secured in the Draft DCO application (see 2.5.2), the number of ecological receptors above the relevant criteria and requiring further consideration reduces to two sites:

- Cae Gwyn Site of Special Scientific Interest (SSSI) (year 2 for nitrogen deposition); and
- Tre'r Gof SSSI (year 2 and year 5 for both nitrogen and acid deposition).

2.5.19 Based on the quantified residual effects which take account of the additional mitigation secured in the Draft DCO application, the predicted annual mean and maximum 24-hour mean NOx concentrations at all ecological receptors were below the criteria for requiring further consideration in the terrestrial and freshwater ecology chapter (chapter D9), [APP-128] of the Environmental Statement.

2.5.20 Where appropriate, the assessment of changes in NOx concentrations and nitrogen and acid deposition were also considered at Cestyll Gardens which is a cultural heritage receptor (see chapter D11 [APP-130] of the Environmental Statement). As for the other ecological receptors, the application of the additional mitigation reduced NOx concentrations to below the criteria for requiring further mitigation. Nitrogen and acid deposition continued to require further consideration (in the absence of specific critical loads).

2.5.21 The effect of the proposed change to predicted annual mean and 24-hour mean NOx concentrations for year 2 would not lead to any of the ecological receptors requiring further consideration as part of the terrestrial and freshwater ecology assessment (i.e. the increases due to the proposed change are relatively small and do not result in any receptors requiring further consideration for NOx). The same also applies for Tre'r Gof SSSI for year 5. For completeness, a summary of the maximum predicted annual mean and 24-hour mean NOx concentrations at key ecological receptors is presented for year 2 and year 5 in Table 2-8 to Table 2-15.

2.5.22 A summary of the maximum predicted nitrogen and acid deposition at ecological receptors for year 2 is shown in Table 2-8 and Table 2-13; and for year 5 this is shown in Table 2-14 and Table 2-15. These tables show only those receptors which were above the relevant criteria and/or considered further within the revised assessment of the quantified residual effects as applicable to the DCO or as a result of the proposed change (i.e. Cae Gwyn SSSI, Tre'r Gof SSSI and Cestyll Garden). Even though it

is screened out from further consideration Bay SAC/SSSI has been included in these tables as requested by NRW in its consultation response.

2.5.23 Except for acid deposition at Cae Gwyn SSSI, there were no new receptors which are above the criteria for requiring further consideration for a particular pollutant due to the proposed change compared to the assessment of the quantified residual effects (Air Quality Mitigation Quantification Report [REP3-052]) submitted at Deadline 3 (18 December 2018). Results for a specific pollutant which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment or cultural heritage assessment (i.e. Cestyll Gardens) are shown with an asterisk.

2.5.24 The effect of the proposed change to predicted annual mean and 24-hour mean NOx concentrations for year 2 would not lead to any of the ecological receptors requiring further consideration as part of the terrestrial and freshwater ecology assessment (i.e. the increases due to the proposed change are relatively small and both sites, Cae Gwyn SSSI and Tre'r Gof SSSI, do not require further consideration for NOx. The same also applies for Tre'r Gof SSSI for year 5.

2.5.25 Predicted nitrogen deposition rates for year 2 would increase slightly as a result of the proposed change, however, the increases are relatively small (see Table 2-8) and Cae Gwyn SSSI and Tre'r Gof SSSI would remain as requiring further consideration within the terrestrial and freshwater ecology assessment. Nitrogen deposition rates for year 5 are predicted to increase slightly due to the proposed change (see Table 2-14 and Table 2-15). As for year 2, Tre'r Gof SSSI remains as requiring further consideration for both nitrogen deposition. The proposed change leads to small increases in nitrogen and acid deposition at Cae Gwyn SSSI which are above the relevant criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (see paragraph 2.5.59 onwards).

2.5.26 A similar outcome is observed for the predicted acid deposition rates for year 2 (Table 2-13) and year 5 (Table 2-15) where the proposed change leads to minor increases in the deposition rates. Tre'r Gof SSSI remains as requiring further consideration in the terrestrial and freshwater ecology assessment and the small increase due to the proposed change also leads to Cae Gwyn SSSI requiring further consideration for year 2 and year 5 (see paragraph 2.5.59 onwards).

2.5.27 With regard to Cestyll Gardens, although some increases are observed due to the proposed changes, these are considered to be very small (a maximum of 0.5 keq/ha/year increase in nitrogen deposition and 0.15 kg/ha/year increase in acid deposition affecting tall vegetation in year 5 peak Power Station construction). The proposed change does not result in predicted NOx concentrations at Cestyll Gardens which are above the criteria for requiring further consideration within the cultural heritage assessment and the effects remain negligible as reported in chapter D11 [APP-130] of the Environmental Statement. Further

consideration of this receptor is required for year 2 and year 5 with regard to nitrogen and acid deposition (see Table 2-8, to Table 2-15).

2.5.28 Modelling of the proposed change forecasted no new exceedances of the critical loads at any receptors.

Table 2-8 Year 2 peak earthworks and Marine Works – magnitude of annual mean NOx concentration changes at key ecological receptors

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of AQO [1]	Total concentration as a percentage of AQO	Change as a percentage of AQO	Total concentration as a percentage of AQO
Cae Gwyn SSSI	+5%	24%	+≤7%	≤27%
Cemlyn Bay SAC/SSSI	+10%	28%	+≤14%	≤32%
Tre'r Gof SSSI	+28%	58%	+≤34%	≤64%
Cestyll Gardens	+45%	64%	+≤49%	≤68%

[1] AQO = air quality objective (i.e. the annual mean AQO of 30µg/m^3)).

Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)).

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case

Table 2-9 Year 2 peak earthworks and Marine Works – magnitude of maximum 24-hour mean NOx concentration changes at key ecological receptors

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of EAL [1]	Total concentration as a percentage of EAL	Change as a percentage of EAL	Total concentration as a percentage of EAL
Cae Gwyn SSSI	+29%	45%	+≤29%	≤44%
Cemlyn Bay SAC/SSSI	+20%	25%	+≤23%	≤29%
Tre'r Gof SSSI	+59%	83%	+≤75%	≤98%
Cestyll Gardens	+48%	53%	+≤51%	≤56%

[1] EAL = environmental assessment level (i.e. the maximum 24-hour mean EAL of 200µg/m^3 or 75µg/m^3)).

Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)).

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of EAL [1]	Total concentration as a percentage of EAL	Change as a percentage of EAL	Total concentration as a percentage of EAL
Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.				

Table 2-10 Year 5 peak construction – magnitude of annual mean NOx concentration changes at key ecological receptors

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of AQO [1]	Total concentration as a percentage of AQO	Change as a percentage of AQO	Total concentration as a percentage of AQO
Cae Gwyn SSSI	+4%	23%	+≤5%	≤24%
Cemlyn Bay SAC/SSSI	+3%	21%	+≤6%	≤24%
Tre'r Gof SSSI	+17%	46%	+≤19%	≤49%
Cestyll Gardens	+9%	28%	+≤17%	≤36%

[1] AQO = air quality objective (i.e. the annual mean AQO of 30µg/m^3)).

Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)).

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.

Table 2-11 Year 5 peak construction – magnitude of maximum 24-hour mean NOx concentration changes at key ecological receptors

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of EAL [1]	Total concentration as a percentage of EAL	Change as a percentage of EAL	Total concentration as a percentage of EAL
Cae Gwyn SSSI	+13%	28%	+≤17%	≤32%
Cemlyn Bay SAC/SSSI	+5%	10%	+≤9%	≤14%

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of EAL [1]	Total concentration as a percentage of EAL	Change as a percentage of EAL	Total concentration as a percentage of EAL
Tre'r Gof SSSI	+38%	61%	+≤39%	≤63%
Cestyll Gardens	+10%	15%	+≤16%	≤21%

[1] EAL = environmental assessment level (i.e. the maximum 24-hour mean EAL of 200µg/m^3 or 75µg/m^3)).

Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)).

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case

Table 2-12 Year 2 peak earthworks and Marine Works – magnitude of annual mean nitrogen deposition rate changes at key ecological receptors

Ecological receptor	Quantified residual effects from DCO		Proposed change	
	Change as a percentage of CL	Total deposition as a percentage of CL	Change as a percentage of CL	Total deposition as a percentage of CL
Cae Gwyn SSSI	+2% (*)	101% (*)	+≤2% (*)	≤102% (*)
Cemlyn Bay SAC/SSSI	+2%	51%	+≤2%	≤52%
Tre'r Gof SSSI	+9% (*)	139% (*)	+≤10% (*)	≤141% (*)
Cestyll Gardens (short vegetation)[2]	+1.4 (*)	11.3 (*)	+≤1.5 (*)	≤11.4 (*)
Cestyll Gardens (tall vegetation)[2]	+2.7 (*)	18.7 (*)	+≤3.0 (*)	≤18.9 (*)

[1] CL = critical load (i.e. the environmental criteria for nitrogen or acid deposition).

[2] Cestyll Gardens – values shown are the nitrogen deposition rates in kN/ha/year as no critical load available.

Ecological receptor	Quantified residual effects from DCO		Proposed change	
	Change as a percentage of CL	Total deposition as a percentage of CL	Change as a percentage of CL	Total deposition as a percentage of CL
Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)). Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.				

Table 2-13 Year 2 peak earthworks and Marine Works – magnitude of annual mean acid deposition rate changes at key ecological receptors

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of CL [1]	Total deposition as a percentage of CL [1]	Change as a percentage of CL [1]	Total deposition as a percentage of CL [1]
Cae Gwyn SSSI	+1%	85%	+≤2% (*)	≤86% (*)
Cemlyn Bay SAC/SSSI[2]	Not sensitive		Not sensitive	
Tre'r Gof SSSI	+6% (*)	96% (*)	+≤7% (*)	≤97% (*)
Cestyll Gardens (short vegetation)[3]	+0.12 (*)	0.97 (*)	+≤0.13 (*)	≤0.98 (*)
Cestyll Gardens (tall vegetation) [3]	+0.24 (*)	1.56 (*)	+≤0.26 (*)	≤1.58 (*)
[1] CL = critical load (i.e. the environmental criteria for nitrogen or acid deposition). The Centre for Ecology and Hydrology (CEH) advised that the vegetation within Cemlyn Bay SAC is not sensitive to acid deposition. The CEH report was submitted as Appendix G of the sHRA part 2 [APP-051]. [3] Cestyll Gardens – values shown are the acid deposition rates in keq/ha/year as no critical load available. Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)). Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.				

Table 2-14 Year 5 peak Power Station construction – magnitude of annual mean nitrogen deposition rate changes at key ecological receptors

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of CL	Total deposition as a percentage of CL	Change as a percentage of CL	Total deposition as a percentage of CL
Cae Gwyn SSSI	+1%	101%	+≤2% (*)	≤101% (*)
Cemlyn Bay SAC/SSSI	0%	50%	+≤1%	≤51%
Tre'r Gof SSSI	+5% (*)	135% (*)	+≤6% (*)	≤136% (*)
Cestyll Gardens (short vegetation)[2]	+0.3 (*)	10.2 (*)	+≤0.5 (*)	≤10.5 (*)
Cestyll Gardens (tall vegetation) [2]	+0.5 (*)	16.5 (*)	+≤1.0 (*)	≤17.0 (*)

[1] CL = critical load (i.e. the environmental criteria for nitrogen or acid deposition).

[2] Cestyll Gardens – values shown are the nitrogen deposition rates in kgN/ha/year as no critical load available .

Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)).

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.

Table 2-15 Year 5 peak Power Station construction – magnitude of annual mean acid deposition rate changes at key ecological receptors

Ecological receptor	Quantified residual effects from the Draft DCO		Proposed change	
	Change as a percentage of CL[1]	Total deposition as a percentage of CL[1]	Change as a percentage of CL[1]	Total deposition as a percentage of CL[1]
Cae Gwyn SSSI	+1%	85%	+≤3% (*)	≤87% (*)
Cemlyn Bay SAC/SSSI[2]	Not sensitive		Not sensitive	
Tre'r Gof SSSI	+5% (*)	94% (*)	+≤8% (*)	≤97% (*)
Cestyll Gardens (short vegetation)[3]	+0.05 (*)	+0.90 (*)	+≤0.12 (*)	≤0.97 (*)
Cestyll Gardens (tall vegetation)[3]	+0.10 (*)	+1.42 (*)	+≤0.25 (*)	≤1.57 (*)

[1] CL = critical load (i.e. the environmental criteria for nitrogen or acid deposition).

The Centre for Ecology and Hydrology (CEH) advised that the vegetation within Cemlyn Bay SAC is not sensitive to acid deposition. The CEH report was submitted as Appendix G of the sHRA part 2 [APP-051].

[3] Cestyll Gardens – values shown are the acid deposition rates in keq/ha/year as no critical load available .

Values shown with asterisks in brackets denote results which are above the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment (or require consideration as part of the cultural heritage assessment (Cestyll Gardens)).

Note: "≤" is used to denote that the results are equal to or less than based on conservative modelling, demonstrating worst case.

Conclusions

2.5.29 Based on the analysis using the initial modelling results, it is concluded that the proposed change would not lead to any noticeable changes to the description of effects for PM_{10}, $PM_{2.5}$, SO_2 and CO. The significance of the effect for these pollutants remains as not significant.

2.5.30 More detailed analysis of the predicted NO_2 concentrations at human receptors and the effect of the proposed change showed that in year 2, the majority of air quality effects for NO_2 would be considered negligible and the maximum concentrations would be well within the relevant AQOs. These represent relatively small increases in concentrations and related effect descriptors to the quantified residual effects. For year 5, the results show a slight worsening of the effects as a result of the proposed change. However, this still represents an improvement on the results for year 5 set out in the Draft DCO application where it was concluded that effects were not significant.

2.5.31 On this basis, the effect of the proposed change is concluded to be not significant with regard to NO_2 concentrations at human receptors.

2.5.32 Quantification of the additional mitigation secured in the Draft DCO application removed all ecological receptors from requiring consideration in the terrestrial and freshwater ecology or cultural heritage assessments with regard to NOx concentrations. The proposed change does not alter this outcome and therefore a non-significant effect can be concluded with regard to NOx concentrations at all ecological receptors.

2.5.33 The significance of the changes to nitrogen and acid deposition at Cae Gwyn SSSI and Tre'r Gof SSSI as a result of the proposed change is considered in the terrestrial and freshwater ecology assessment below (paragraphs 2.5.59 to 2.5.87).

2.5.34 With regard to Cestyll Gardens, although some increases are observed due to the proposed changes, these have been shown to be small. Considering the additional mitigation which is secured in the Draft DCO application, the contribution of air quality effects to the major adverse effect to Cestyll Gardens identified in chapter D11 [APP-130] of the Environmental Statement would be reduced. However, the conclusion of a major adverse effect to Cestyll Gardens would remain as reported in chapter D11 [APP-130] of the Environmental Statement owing to the removal of part of the garden forming part of its Essential Setting and noise and visual intrusion into the valley garden and the Essential Setting of the garden which are not affected by this proposed change.

Noise and vibration

2.5.35 The assessment of noise and vibration disturbance arising from construction activities for the Wylfa Newydd DCO Project is presented in chapter D6 [APP-125] of the Environmental Statement. The Draft DCO application assessment is based on the working hours presented in Table 2-1 and the overall conclusions presented in the Draft DCO application is that there would be significant effects on residential and non-residential

receptors from construction noise. The assessment of the change described above has been undertaken using the same methodology as the assessment in chapter D6 [APP-125] of the Environmental Statement. With this in mind, the information for the methodology of which this assessment has been undertaken can be found in chapter B6 [APP-071] of the Environmental Statement.

2.5.36 The proposed change to working hours does not alter the vibration assessment, which is related to the separation distance between construction activities and receptors, and the type of construction equipment to be used and is therefore not considered further. However, following consultation responses from IACC, and in accordance with guidance in BS6472-2:2008, Horizon will commit to achieving a vibration level of 4.5mm/s PPV outside residences for 95% of blasts during the period 18.00-19.00.

2.5.37 New construction noise modelling and assessment were undertaken to reflect the proposed change to working hours and consequential amendments to haul routes. The basis of this assessment incorporated an amended indicative plant list/schedule to reduce noise effects associated with the proposed change as much as possible. This included the following:

- a reduction in plant numbers associated with soft ground grading;
- a reduction in the duration of the soft ground grading activities within construction zones 6, 7, 8 and 9, which reduces overlap with the start of the Unit 1 and Unit 2 deep excavation in hard rock;
- a reduction in bulk earthworks plant associated with the month 19-21; and
- bringing forward the tunnelling and outfall works in the programme to start in month 1 rather than month 10.

2.5.38 The two new circular haul routes (HR-B1 and HR-B2) for dumper trucks have been introduced for the soft ground grading within construction zone 9. These will be used to collect and transport much of the bulk material required to construct Mound B early in the programme. Associated plant to load the dumper trucks has also been included in this area. Mound B runs beside the A5025 and provides noise attenuation for residential receptors in Tregele. This increases earthworks activity near Tregele during the first year of the plant schedule, but the resulting Mound B will reduce noise levels in Tregele for the remainder of the construction period.

2.5.39 Before and after extracts showing changes to the new haul routes are shown in Figure 2-1 and Figure 2-2.

2.5.40 A number of amendments to the indicative plant list/schedule have been made on the basis of the noise modelling to better reflect the early construction programme. Therefore, additional noise models have been prepared for months 7-9 and 10-12 of the construction programme. The results from these models included in this assessment, and therefore the results of this noise assessment are based on six points in the

construction programme rather than the four in the Draft DCO application. The assessment is based on the highest daytime, evening and night-time noise levels calculated at each receptor from any of these six points in time; these may occur in different models.

2.5.41 The predicted noise levels at residential properties are shown in appendix 1-7.

2.5.42 Table 2-18 summarises the number of significant noise effects, before additional mitigation in the Draft DCO application is applied, at residential receptors presented in chapter D6 [APP-125] of the Environmental Statement. Table 2-18 also details the number of significant effects, before mitigation, at residential receptors as a result of the proposed change and the difference between the modelling results for the proposed change and the assessment presented in the Draft DCO application.

2.5.43 The noise modelling results, in the absence of additional mitigation for the proposed change, are summarised in the list below.

- There will be a net increase of four residential receptors at which a large magnitude of change (major adverse effects) is predicted. There is therefore no change to the significance of effects at these receptors as a result of the change in predicted noise levels.
- A net reduction of 79 residential receptors would experience beneficial effects with a change from medium magnitude of change (major adverse significance) to small magnitude of change (moderate adverse significance).
- There will be a net increase of 28 residential receptors which move from negligible magnitude of change (minor significance) to small magnitude of change (moderate significance). These residential receptors are newly significantly affected.

2.5.44 In total, there would be 1198 residential receptors at which moderate or major adverse significant effects may occur compared to 1170 in the Draft DCO application in the absence of additional mitigation, which is a 2.4% increase as a result of the proposed change. However, there would be a 25% reduction in the number of major adverse significant effects compared to the Draft DCO application which is considered to be substantial improvement on the situation presented in the Draft DCO application.

2.5.45 Table 2-16 shows the changes in the magnitude of change categories and the associated range of predicted noise levels at receptors. Positive numbers represent an increase from the Draft DCO application, while negative numbers represent a decrease from the Draft DCO application.

Table 2-16 Difference in magnitude of change compared to the Draft DCO Application

Magnitude of change (MoC)		Range of predicted free-field noise levels, dB $L_{Aeq,1hr}$		Number of residential dwellings
		Day	Evening & Night	
Changes between negligible and small categories				
Increase	From negligible to small	47.0 – 56.9	42.0 – 51.9	36
Decrease	From small to negligible	<47.0*	<42.0*	-8
Overall	**Net change in small category**			**28**
Changes between small and medium categories				
Increase	From small to medium	57.0 –66.9	52.0 –61.9	21
Decrease	From medium to small	47.0 – 56.9	42.0 – 51.9	-100
Overall	**Net change in medium category**			**-79**
Changes between medium and large categories				
Increase	From medium to large	≥67.0	≥62.0	10
Decrease	From large to medium	57.0 –66.9	52.0 –61.9	-6
Overall	**Net change in large category**			**4**

2.5.46 The spatial distribution of these changes from the Draft DCO application are shown in table 2-17 below. For clarity, zero values have been omitted, increases in the number of residential properties compared to the Draft DCO application are shown as positive numbers, and decreases are shown as negative numbers.

Table 2-17 Spatial distribution of changes in magnitude

Receptor Group		Changes in predicted magnitude at residential properties					
		Increase in magnitude			Decrease in magnitude		
		Negligible to small	Small to medium	Medium to large	Large to medium	Medium to small	Small to negligible
A	Outlying residential properties east of the Wylfa Newydd Development Area					-9	
B	Residential properties in Cemaes	3	14			-74	
C	Residential properties on the A5025 between Cemaes and Tregele		2		-6		
D	Outlying residential properties west of the Wylfa Newydd Development Area		1			-1	
E	Outlying residential properties south of the		0			-6	

	Wylfa Newydd Development Area						
F	Residential properties in Tregele		4	10			
G	Outlying residential property south of the Wylfa Newydd Development Area (linked to development)						
H	Residential properties over 1,000m from the Wylfa Newydd Development Area within study area	33				-10	-8
Total		36	21	10	-6	-100	-8

2.5.47 It can be seen from table 2-17 that the single greatest change compared to the Draft DCO application is the decrease in noise levels at 74 properties in Cemaes which reduces the magnitude of change from medium (major significance) to small (moderate significance). However, it should be noted that this benefit is partially offset by an opposite effect at 14 other properties in Cemaes at which increases in noise are predicted.

2.5.48 In addition to increases in the magnitude of change predicted at some properties in Cemaes, increases are expected at Tregele; four properties will move from the small category to the medium category, and ten will move from the medium category to the large category.

2.5.49 Nearly all (33 out of 36) of the newly significantly affected residential properties are in receptor group H and are therefore situated at least 1,000m from the Wylfa Newydd Development Area. As explained in section 2.5.53 below, due to the limitations of the BS5228 noise prediction method the noise levels predicted at these properties may be an overestimate.

2.5.50 With regard to non-residential receptors, modelling of the proposed change shows the following changes in significant construction noise effects:

- one hotel would experience a beneficial change from a major adverse effect to a moderate adverse effect; and
- there would be two additional commercial buildings at which a moderate adverse effect rather than a negligible adverse effect is predicted.

2.5.51 There would be no change in effects at any schools, places of worship, community buildings or offices when compared to the Draft DCO application.

Table 2-18 Number of significant noise effects, in the absence of additional mitigation, at residential receptors as presented in the chapter D6 [APP-125] of the Environmental Statement and as a result of the proposed change

Magnitude of Change	Significance of Effect	Draft DCO application Count	Proposed change Count	Change
Large	Major significance	11	15	4
Medium	Major significance	310	227	-83
Small	Moderate significance	849	956	107
Negligible	Minor significance	51	23	-28

2.5.52 The residential receptors at which predicted noise effects may increase from minor to moderate significance of effect are typically distant from the site, with the majority being in Llanfachell which is approximately 1,800m from the Wylfa Newydd Development Area. Considering the duration, the predicted moderate adverse effects at these properties will occur early in the construction programme; for example, during months 7-9, months 10-12 and months 19-21. After month 31, only minor adverse effects are predicted which is not considered significant. Therefore, moderate significance of effects are predicted to occur over relatively short periods and only during certain activities.

2.5.53 The noise levels predicted by the modelling activity provide a worst-case, calculated in accordance with BS 5228 [see APP-086]. Noise results at these residential receptors exceed the moderate significance of effect threshold on average by 2 dB. However, the modelling method does not take several attenuation mechanisms into account. For example, atmospheric absorption, which particularly attenuates the higher frequency components of noise at larger distances, is disregarded. This means that the method is inherently conservative and often results in higher noise predictions at receptors than more sophisticated prediction methods. A more sophisticated noise propagation method is put forward in ISO 9613 which includes atmospheric absorption. Equivalent calculations at 1,800m using the ISO 9613 methodology are in the order of 3 to 4 dB lower at receptors for downwind (greatest) propagation.

2.5.54 Therefore, although the assessment methodology determines an increase to moderate significance of effect at a small number of residential receptors, this is largely the result of a conservative approach to the predictions and assessment. Nevertheless, on balance, the net reduction in noise effects at 79 residential receptors which had a major adverse effect in the Draft DCO application, and which are now predicted to be subject to moderate adverse effects, is considered to outweigh the

increase in noise effects at 28 residential receptors with a change from minor adverse to moderate adverse. Therefore, it is concluded that the proposed change will lead to an improvement compared to the Draft DCO application for a larger number of residents.

Noise mitigation measures

2.5.55 The implementation and eligibility criteria of a LNMS for the Wylfa Newydd DCO Project, which is secured in the Wylfa Newydd Code of Construction Practice [APP-414], will provide further reduced effects from the proposed change than those shown in Table 2-18. Of the 321 major significant effects identified in the Draft DCO application, 91 would be eligible for the LNMS under the eligibility criteria in the Draft DCO application, leaving 230 major significant effects. Horizon submitted updated information on how the LNMS will be implemented at Deadline 3 (18 December 2018) (LNMS Update [REP3-050] and Companion Guide [REP3-051]).

2.5.56 As a result of the proposed change, ongoing SoCG discussions and the major residual effects identified in the Draft DCO application, Horizon has extended the commitments made in the LNMS to mitigate all major significant effects. This would involve increasing the distance from the Wylfa Newydd Development Area within which residential receptors would automatically be eligible for noise insulation (principally acoustic ventilation and either double or secondary glazing depending on the property) and reducing the construction noise eligibility criteria for residential receptors outside this boundary to levels which are consistent with the onset of medium magnitude of change (major significant effect). In qualifying situations, residents will also be offered replacement garden fencing of a grade which serves as an effective noise barrier, to minimise noise levels in gardens. This will result in all 242 major significant effects, identified in Table 2-18 from the proposed change, being addressed through off-site mitigation. In addition to the benefits of a lower noise criteria reducing all major significant effects, a further 30 residential receptors assessed as moderately effected by the Wylfa Newydd DCO Project will be eligible for the LNMS due to the proximity to the Wylfa Newydd Development Area.

2.5.57 As part of the proposed change, the enhanced mitigation described in paragraph 2.5.56 above would be secured in an update to the Wylfa Newydd CoCP [APP-414] which would be subsequently submitted into Examination.

2.5.58 Chapter D6 [APP-125] of the Environment Statement identified significant effects as a result of construction noise on residential and non-residential receptors. As a result of the proposed change, significant effects still remain and the conclusions reached in chapter D6 [APP-125] remain the same. However, within this proposed change Horizon has been able to reduce the effects for the worst affected receptors. In addition, with the extension of the eligibility of the LNMS, Horizon will offer mitigation for all major significant effects. On balance therefore, it is concluded that there would be no new or different likely significant environmental effects other

than those reported in the Environmental Statement with greater number of residential receptors benefiting from being eligible for noise insulation.

Terrestrial and freshwater ecology

2.5.59 The proposed change to working hours and the consequential change to haul routes have the potential to affect the assessment of effects on terrestrial and freshwater ecology, as detailed in chapter D9 [APP-128] of the Environmental Statement, as a result of changes in air quality, noise disturbance and visual disturbance through lighting.

Air quality related effects

2.5.60 With the application of the additional mitigation associated with air quality related effects described in paragraphs 2.5.2 to 2.5.7 above (e.g. quantification of lower emitting plant, machinery and marine vessels within the air quality dispersion modelling to produce quantified residual effects applicable to the Draft DCO), there would no longer be any exceedances in the annual mean and 24-hour mean NOx critical levels at the sensitive ecological receptors included in the terrestrial and freshwater ecology assessment presented in chapter D9 [APP-128] of the Environmental Statement and all sites would be screened out from further consideration.

2.5.61 Two ecological receptors have been identified as requiring further consideration as a result of increases to nitrogen and acid deposition during both year 2 and year 5 modelled scenarios:

- Tre'r Gof SSSI; and,
- Cae Gwyn SSSI.

2.5.62 As described in chapter D9 [APP-128], a study by Caporn *et al*. [RD5] was used to predict changes in habitat quality indicators at both Tre'r Gof SSSI and Cae Gwyn SSSI as a result of incremental changes in long-term nitrogen deposition above critical loads.

2.5.63 Although alkaline fen as a defined habitat was not represented within the Caporn *et al*. study [RD5], the nearest available equivalent was used; in this case bog habitat. It is acknowledged that, ecologically, the two habitats are distinct, but the effects of increased nitrogen deposition are considered similar for both. The eight-year study period employed by Caporn *et al*. is different from the two peak modelled scenarios assessed here. However, it is considered that the use of the Caporn *et al*. (study [RD5] represents a precautionary approach to this assessment.

2.5.64 A typical response to increases in nitrogen deposition is an increase in nutrient-demanding plants such as grasses and sedges (graminoids), and the consequent loss of less competitive species such as smaller herbs and bryophytes [RD5]; [RD6] which are likely to represent the rarer, more important species present within the SSSIs.

Tre'r Gof SSSI

2.5.65 At Tre'r Gof SSSI, the predicted increase in nitrogen deposition at year 2 is 1.03 kgN/ha/year, and at year 5 this drops to 0.6 kgN/ha/year. Following

the Caporn *et al* 2016 study, the year 2 scenario would potentially lead to a 0.9% decrease in overall species richness within the SSSI, a 4.0% decrease in forb species richness, and a 1.5% increase in graminoid cover. The year 5 scenario would potentially lead to a 0.5% decrease in overall species richness within the SSSI, a 2.3% decrease in forb species richness, and a 0.9% increase in graminoid cover.

2.5.66 The predicted increases in acid deposition at Tre'r Gof SSSI as a result of the year 2 and year 5 scenarios are 0.09 keq/ha/year and 0.09 keq/ha/year respectively. This increase in acid is below the critical load value for the SSSI and is likely to be buffered by the fen's alkaline nature which provides resilience to changes in pH levels, although areas within the SSSI which are more acidic may be affected by a decrease in species diversity.

2.5.67 As a result of these predicted changes in nitrogen and acid deposition, it is considered that there would still be measurable changes in the attributes and quality of the SSSI (including fugitive dust). This would represent a small magnitude of change and a moderate adverse effect in the medium term, which is anticipated to reduce as changes in nitrogen and acid deposition reduce towards baseline conditions.

2.5.68 Additional ecological mitigation measures presented in chapter D9 [APP-128], would still be implemented and, once taken into account, it is considered that the overall effect on Tre'r Gof SSSI from changes in air quality would be minor adverse and therefore not significant. However, the combined effect to Tre'r Gof SSSI from changes to air quality and hydrology remains major adverse, as presented in chapter D9 [APP-128].

Cae Gwyn SSSI

2.5.69 The nitrogen deposition at Cae Gwyn SSSI predicted to occur at year 2 is an increase of 0.22 kgN/ha/year and, at year 5, an increase of 0.16 kgN/ha/year. Again, using the Caporn *et al* 2016 study, this increase would potentially lead to a 0.2% decrease in overall species richness within the SSSI, a 0.9% decrease in forb species richness, and a 0.3% increase in graminoid cover in year 2. In year 5, the air quality changes would potentially lead to a 0.1% decrease in overall species richness within the SSSI, a 0.6% decrease in forb species richness, and a 0.2% increase in graminoid cover

2.5.70 The predicted increases in acid deposition at Cae Gwyn SSSI as a result of the year 2 and year 5 scenarios are 0.01 keq/ha/year and 0.01 keq/ha/year respectively. As with Tre'r Gof SSSI, this increase in acid is below the critical load value for the SSSI and is considered to be so small that any effect would be negligible on the species composition and integrity of the SSSI.

2.5.71 The overall changes in air quality at Cae Gwyn SSSI, including effects of fugitive dust, are predicted to lead to very small measurable changes in the interest features and quality of the SSSI. This is considered to represent a small magnitude of change and a minor adverse effect in the

medium term, which is anticipated to reduce as changes in nitrogen deposition reduce towards baseline conditions.

2.5.72 Potential minor adverse effects on the SSSI are also predicted as a result of changes to hydrological conditions, as presented in chapter D9 [APP-128]. The overall combined effect for Cae Gwyn SSSI remains minor adverse.

Noise related effects

2.5.73 Those ecological receptors with the potential to be affected by increased noise disturbance during construction were identified within chapter D9 [APP-1289] of the Environmental Statement as:

- Reptiles;
- Chough (*Pyrrhocorax pyrrhocorax*);
- Breeding birds;
- Over-wintering birds;
- Bats;
- Otter (*Lutra lutra*);
- Water vole (*Arvicola amphibious*);
- Red squirrel (*Sciurus vulgaris*);
- Notable mammals; and
- Freshwater fish.

Reptiles, notable mammals, breeding birds and over-wintering birds

2.5.74 During site preparation and clearance works, reptiles and notable mammals would be moved from site into adjacent retained habitat or bespoke receptor sites which link into the wider landscape. The removal of terrestrial habitat would also result in breeding and over-wintering birds no longer being able to use the Main Site for nesting or shelter, and foraging opportunities would be altered. As a result of this habitat loss, these bird species are predicted to use habitats adjacent to the Main Site. Adjacent habitats would be affected by noise disturbance which would occur for longer periods as a result of the proposed change. Species using these habitats would habituate to the level of noise disturbance and distribute accordingly within the suitable habitat available. The availability of suitable habitat is not considered to be a constraint on these species.

2.5.75 The proposed change is therefore not considered likely to result in a change in the assessment for reptiles, notable mammals, breeding birds or over-wintering birds as it is presented within chapter D9 [APP-128] of the Environmental Statement.

2.5.76 Although not identified as a distinct receptor within chapter D9 [APP-128] of the Environmental Statement, barn owls were considered in relation to disturbance at known roost sites within the Wylfa Newydd Development Area. Roosts at Cafnan Farm, Caerdegog Isaf Farm, and Mynydd Ithel

Farm were modelled as part of the noise assessment presented in chapter D6 [APP-125] of the Environmental Statement, with peak noise levels predicted as 79dB $L_{Aeq,1\text{-}hour}$[3] (Cafnan Farm); 65dB $L_{Aeq,1\text{-}hour}$ (Caerdegog Isaf Farm); and 63dB $L_{Aeq,1\text{-}hour}$ (Mynydd Ithel Farm).

2.5.77 Noise modelling undertaken to inform the proposed change predicted these peak noise levels will either remain as presented in the DCO Environmental Statement, or slightly reduce following the mitigation measures presented in the noise and vibration section above: 69dB $L_{Aeq,1\text{-}hour}$ (Cafnan Farm); 65dB $L_{Aeq,1\text{-}hour}$ (Caerdegog Isaf Farm); and 59dB $L_{Aeq,1\text{-}hour}$ (Mynydd Ithel Farm).

2.5.78 This supports the conclusion that the proposed change is therefore not considered likely to result in a change in the assessment for breeding birds as it is presented within chapter D9 [APP-128] of the Environmental Statement.

Chough

2.5.79 Table 2-19 below details the changes to peak predicted noise levels at chough nest sites as a result of the proposed change. Peak noise levels affecting chough at historic nest locations within the Existing Power Station (nest locations A and B), and on Wylfa Head (nest locations C and D), are not considered to change significantly compared to those reported in the DCO Environmental Statement as a result of the proposed change.

Table 2-19 Changes in predicted peak noise levels at chough nest sites

Nest location	DCO Environmental Statement peak predicted noise level	Proposed changes peak predicted noise level
A	65dB LAeq,1-hour	72dB LAeq,1-hour
B	85dB LAeq,1-hour	77dB LAeq,1-hour
C	61dB LAeq,1-hour	60dB LAeq,1-hour
D	61dB LAeq,1-hour	64dB LAeq,1-hour

2.5.80 Peak noise levels within core chough foraging areas are also not predicted to exceed the 85dB $L_{Aeq,1\text{-}hour}$ assessed within chapter D9 [APP-128] of the Environmental Statement.

2.5.81 The timing and duration of noise disturbance to chough are as important in determining the potential effect of the disturbance. Chough are considered to be generally resilient to disturbance as long as the disturbing factors are regular and present prior to breeding attempts or occur later in the breeding season. However, new disturbance events during the very early stages of the breeding season can cause birds to desert the nest site for the season [RD7].

[3] The sound level of a steady sound having the same energy as a fluctuating sound over a 1-hour time period. It is possible to consider this level as the ambient noise encompassing all noise at a given time (in this case 1 hour). LAeq is considered the best general-purpose index for environmental noise.

2.5.82 Good practice mitigation already committed to in the Draft DCO application and enforced by the Environmental Clerk of Works on site, would seek to ensure construction noise would not start at the critical nest establishment stage and would be at levels that chough have habituated to.

2.5.83 Given the minor changes predicted to the peak noise levels detailed within the Environmental Statement, and the good practice mitigation already committed to in the Draft DCO application, the proposed change is therefore not considered likely to lead to a change in the assessment for chough as it is presented in chapter D9 [APP-128] of the Environmental Statement.

Bats

2.5.84 The assessment of noise disturbance to bats detailed within chapter D9 [APP-128] of the Environmental Statement, considers the Main Construction periods as avoiding the more sensitive periods when bats would be emerging or re-entering roosts. With the proposed change noise levels are predicted to decrease. The maximum level at the Tyn-y-Maes bat barn described in chapter D9 [APP-128] of the Environmental Statement was 75dB $L_{Aeq,1\text{-hour}}$, with the predicted peak at this location following the proposed change being 71.4dB $L_{Aeq,1\text{-hour}}$. Lighting levels at retained bat roosts are also not predicted to increase (see Environmental Lighting Impact Assessment section below).

2.5.85 Good practice mitigation has already been committed to in the Draft DCO application, in the form of providing a 10m hard buffer around retained bat roosts within which screening would be provided and no construction activity would occur. Additional mitigation, also already committed to in the Draft DCO application, in the form of bat boxes erected in retained habitats to provide alternative roost locations would also offset the potential for abandonment of roosts due to disturbance.

2.5.86 Given peak noise disturbance levels are not predicted to increase significantly around retained roosts, and mitigation measures are proposed to offset adverse effects, it is considered that the proposed change would not result in any change to the assessment presented within chapter D9 [APP-128] of the Environmental Statement.

Otter, water vole, red squirrel and freshwater fish

2.5.87 Otter, water vole, red squirrel and freshwater fish have been recorded within habitat to be retained on site during construction (e.g. Afon Cemlyn; Dame Sylvia Crowe's Mound). Although the proposed change would result in noise levels continuing for longer periods than detailed within the Draft DCO Environmental Statement, the embedded, good practice and additional mitigation detailed within chapter D9 [APP-128], to offset adverse effects on these species would remain relevant and functional regardless of timings. It is therefore considered that the proposed change would not alter the conclusions of assessment for these species as it is presented within chapter D9 [APP-128] of the Environmental Statement.

Lighting related effects

2.5.88 Regarding disturbance effects on sensitive ecological receptors as a result of changes in lighting design, the environmental lighting assessment below (paragraphs 2.5.98 to 2.5.101), identifies three ecological receptors where no change would occur and two ecological receptors where adverse effects from lighting disturbance may increase as a result of the proposed change (Table 2-20). However, with the provision of new and existing mitigation already secured in the Draft DCO application (see Table 2-20), all predicted effects would be reduced to levels identified and assessed within the Environmental Statement, chapters D9 [APP-128] and appendix D10-10 [APP-201].

Summary

2.5.89 Given the positive effects the lower emitting plant, machinery and marine vessels would have to air quality, the neutral effect of environmental lighting and the very minor changes to peak noise levels predicted as a result of the proposed change, it is not considered that these effects would combine to result in any new or different likely significant effects to the assessment of the sensitive ecological receptors detailed above than those detailed within chapter D9 [APP-128] of the Environmental Statement.

Environmental Lighting Impact Assessment

2.5.90 The likely lighting effects on dark skies, nearby communities and ecological receptors, that would result from the construction of the Wylfa Newydd DCO Project are presented in appendix D10-10 [APP-201] of the Environmental Statement.

2.5.91 Even though the majority of construction activities associated with the earthworks would remain restricted to 07:00-19:00 hours, grading activities will continue up to 22:00 meaning that haul routes out to Mounds B1 and E will be in use up to this time. Similarly, haul routes specifically associated with night time working in the deep excavations at the centre of the Main Power Station Site will be in use 24/7. Consequently, there is a requirement to light haul routes for security and maintenance purposes as a minimum and therefore modelling of the haul road lighting during the earthworks phase has been undertaken. The modelled vertical grids showing indicative lux levels from haul road lighting for receptors 7,8,11,12 and 13 are located in Appendix 1.6.

2.5.92 The basis of modelling and assessment assumes that the indicative lighting design for the haul routes complies to BS5489-2013 standard, lighting class P2, and with assumed lighting levels of 10lux average with a 3lux minimum, which is the lighting class for subsidiary roads with a typical speed of ≤30mph. Due to the size of the moving vehicles and with no pedestrian routes to safeguard pedestrians at the earthworks phase, the traffic flow has been assessed as ‘busy’. Maximum column mounting height would be 12m and lanterns have been designed to mount post top with 0 degrees of tilt to reduce light pollution.

2.5.93 Table 2-20 details the lighting effects on sensitive receptors as presented in appendix D10-10 [APP-201] of the Environmental Statement and the potential change to this assessment as a result of the proposed change.

2.5.94 Eight potential lighting receptors have been identified and assessed in relation to the changes to working hours. These include a combination of ecological receptors and community receptors. Five of these receptors were assessed as part of the proposals submitted with the Draft DCO application and reported in appendix D10-10 [APP-201]. However, in light of the proposed change to working hours, a further three sensitive receptors have been identified that could be potentially affected. These are residential receptors located on the western boundary of the Wylfa Newydd Development Area (receptors 11, 12 and 14). The locations of all eight potential receptors are shown in Figure 2-3.

2.5.95 Table 2-20 summarises the results of the assessment of the lighting effects associated with the proposed change on the receptors described in paragraph 2.5.94 and allows a comparison with the previously assessed effects where relevant.

2.5.96 Table 2-20 also details mitigation which was previously identified and has already been secured in the Draft DCO application, such as back light shields and careful positioning of lighting columns as required where appropriate.

2.5.97 As detailed in paragraph 1.3.29 of appendix D10-10 [APP-201] of the Environmental Statement, the Environmental Lighting Impact Assessment does not assess significance in relation to ecological receptors. Instead, it provides an assessment of magnitude for changes in lighting levels to inform the assessment of effects on terrestrial and freshwater ecology [APP-128], marine ecology [APP-132] and the shadow Habitats Regulations Assessment [APP-050/051]. Reference should be made to those assessments for the predicted significance of lighting effects on specific receptors.

Ecological lighting receptors

2.5.98 The proposed change has the potential for additional lighting effects to occur on the buffer zones along watercourses within the Wylfa Newydd Development Area (receptor 8) resulting in a change of effect from small adverse (as reported in the Draft DCO application) to medium adverse. There may also be potential for lighting effects to occur at Mynydd Ithel Farm (receptor 14) resulting in a change from negligible (as reported in the Draft DCO application) to small adverse although this would remain as not significant.

2.5.99 There is potential risk of light spill onto Caerdegog Farm (receptor 3) as a result of the proposed change. However, with mitigation secured in the Draft DCO application (within the Wylfa Newydd CoCP [APP-414] any light spill into this area would be prevented (see Table 2-20). Therefore, there would be no change in the magnitude of effect from lighting on Caerdegog Farm compared to that presented in the Draft DCO application and the conclusions of the terrestrial and freshwater ecology assessment

presented in chapter D9 [APP-128] of the Environmental Statement with regard to this receptor would remain the same.

2.5.100 The indicative lighting design (see paragraph 2.5.92) for the haul routes suggests there would be no change to the assessment of lighting effects to Cemlyn Bay (receptor 4/5).

2.5.101 Embedded and additional mitigation (i.e. that which has already been secured in the Draft DCO application) and enhanced mitigation (i.e. measures required to reduce effects as a result of this proposed change) identified for relevant receptors is set out in Table 2-20. As part of the proposed change, any enhanced mitigation proposed would be secured in an update to the Wylfa Newydd CoCP [APP-414] which would be subsequently submitted into Examination.

2.5.102 With the mitigation presented in Table 2-20, the magnitude of effects would not be any worse than that presented in the Draft DCO application. Therefore, the conclusions of the terrestrial and freshwater ecology assessment presented in chapter D9 [APP-128] of the Environmental Statement and in the Shadow Habitats Regulations Assessment [APP-050/051] with regard to these ecological receptors would remain the same.

Community lighting receptors

2.5.103 Regarding the community receptors, the updated lighting modelling results which reflect the proposed change, showed that there would be no additional lighting effects to the nearby communities of Cemaes (receptor 2) or Tregele Village (receptor 7).

2.5.104 The updated lighting modelling showed no significant effect on residential receptor 12 and 13. An adverse effect from the proposed change was identified at receptor 11, but with mitigation in place which has already been secured in the Draft DCO application, such as issue of blackout blinds to residents of this property, light disturbance at this receptor would be negligible.

Figure 2-3 Amended indicative earthworks haul routes as a result of the proposed change with annotated key lighting sensitive receptors

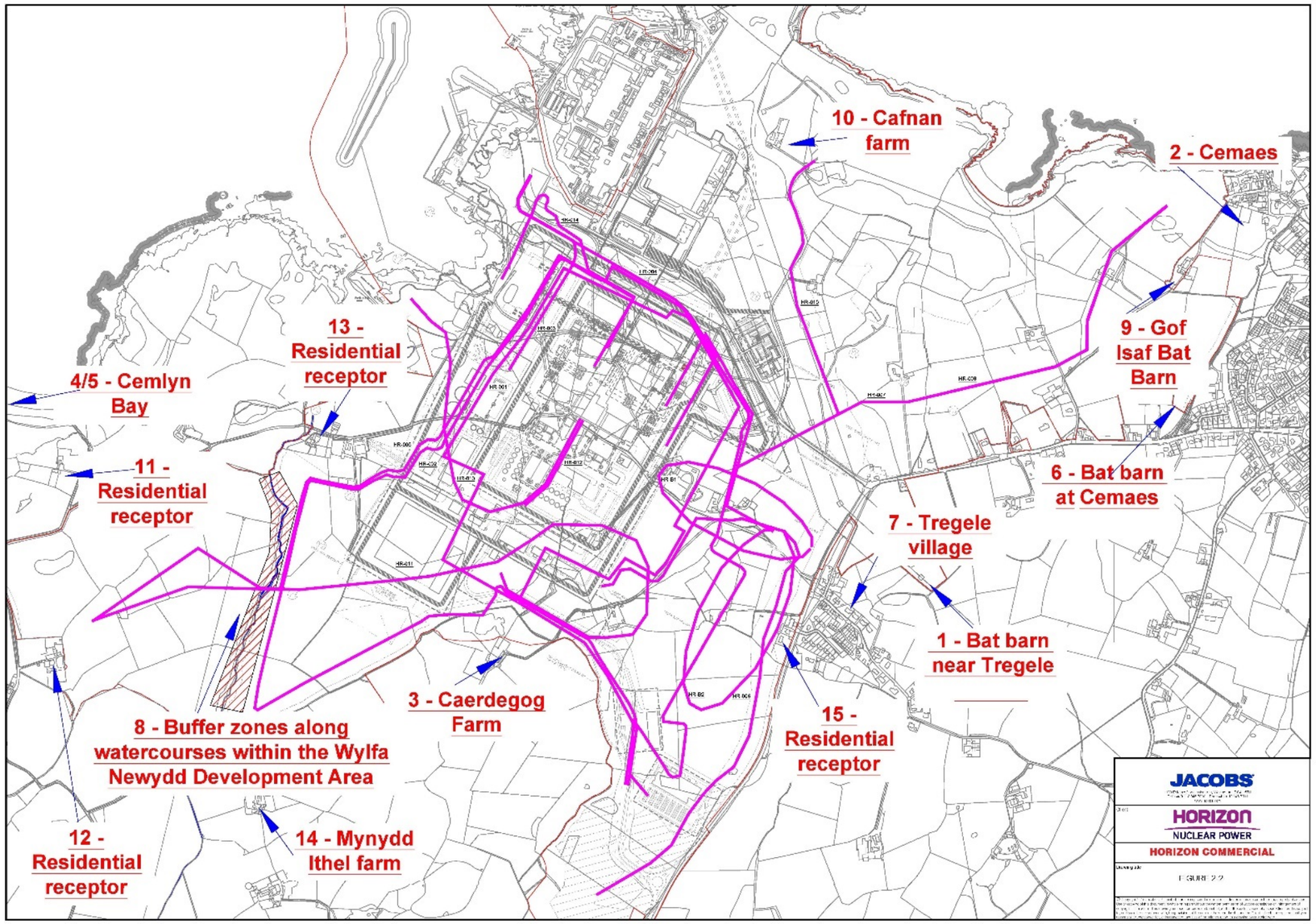


Table 2-20 Lighting effects on sensitive receptors as presented in appendix D10-10 [APP-201] of the Environmental Statement and as result of the proposed change. Additional mitigation has been proposed where appropriate and the residual effects assessed

View	Light sensitive receptor	Residual magnitude of effect in the Draft DCO application	Significance of residual effect in the Draft DCO application	Description of potential effect of the proposed change and existing mitigation secured in the Draft DCO application	Potential change in assessment as a result of the proposed change (magnitude / significance of effect)	Enhanced mitigation as a result of the proposed change	Post-mitigation magnitude of effect	Significance of residual effect
Ecological receptors								
3	Caerdegog Farm	Negligible	Refer to chapter D9 [APP-128] for significance of lighting effects on ecology.	There is potential risk of light spill onto this location (3 on the amended haul routes receptor map). However, with mitigation in place which has already been secured in the Draft DCO application (e.g. columns along the haul road to be facing away for this location; careful placement when designing column location and backlight shields) any light spill into this area would be prevented.	No change	N/A	N/A	N/A
4/5	Cemlyn Bay	Negligible	Refer to Shadow Habitats Regulations Assessment Report [APP-050/051] for effects in relation to the SPA. Refer to chapter D9 [APP-128] for significance of lighting effects on ecology	The haul routes indicative lighting design shows there would be no additional light spill onto this receptor (4/5 on the amended haul routes receptor map). Detailed design stage checks to review vertical grids to check and confirm that there is no light spill into this area (this mitigation is already secured in the Wylfa Newydd CoCP [APP-414]).	No change	N/A	N/A	N/A
8	Buffer zones along watercourses within the Wylfa Newydd Development Area	Small adverse	Refer to chapter D9 [APP-128] for significance of lighting effects on ecology	Lighting from haul route HR-011 associated with Mound E would have potential to trespass into buffer zone on watercourse. However, with mitigation in place which has already been secured in the Draft DCO application (e.g. careful placement of lighting columns along with back light shields) light spill during working hours would be significantly reduced.	Medium adverse / N/A (ecological receptor)	Lighting on the haul route, from columns within 40m either side of the watercourse, will be dimmed 50% using the Central Management System outside of construction working hours to reduce light trespass around the watercourse. In the event of a security alert or for safety considerations this lighting will be reset to 100% for the duration of the alert but will resume its regular dimming profile once the incident has been resolved (this mitigation would be secured in the Wylfa Newydd CoCP [APP414]).	Small adverse (as in the Draft DCO application)	As in the Draft DCO application
14	Mynydd Ithel Farm	Negligible	Refer to chapter D9 [APP-128] for significance of lighting effects on ecology	Close proximity of this site to the construction of mound E could create small adverse change; this would be dependent on the way the mound is constructed and the location of the unloading points where localised task lighting will be used. It is understood that these uploading points will move frequently as they build up the mound. Detailed design stage checks to review vertical grids to check and confirm that there is no light spill into this area (this mitigation is already secured in the Wylfa Newydd CoCP [APP-414]).	Small adverse / N/A (ecological receptor)	N/A	Negligible	As in The Draft DCO application

View	Light sensitive receptor	Residual magnitude of effect in the Draft DCO application	Significance of residual effect in the Draft DCO application	Description of potential effect of the proposed change and existing mitigation secured in the Draft DCO application	Potential change in assessment as a result of the proposed change (magnitude / significance of effect)	Enhanced mitigation as a result of the proposed change	Post-mitigation magnitude of effect	Significance of residual effect
New community receptors								
11	Residential receptor	N/A New receptor	N/A New receptor	This dwelling is located west of the proposed site and in the vicinity of the tern nesting area; also 665m west of the proposed haul road. There is potential for some task lighting and headlights associated with construction of Mound E to affect the dwelling, effects would be limited. However, with mitigation in place which has already been secured in the Draft DCO application, such as issue of blackout blinds to residents of this property, light disturbance at this receptor would be reduced.	Negligible / Negligible	N/A	N/A	N/A
12	Residential receptor	N/A New receptor	N/A New receptor	This dwelling is located southwest of the proposed Horizon site and 200m south of the proposed haul road. There are not considered to be any potential effects.	Negligible / None	N/A	N/A	N/A
13	Residential receptor	N/A New receptor	N/A New receptor	This dwelling is located approximately 20m from the proposed Horizon site boundary and located central to three proposed haul routes; minimum distance to haul road is 203m. No potential effects recorded.	Negligible / None	N/A	N/A	N/A

The marine environment

2.5.105 The proposed change to working hours and plant associated with the Marine Works have the potential to affect the assessments made in chapter D13 (the marine environment) [APP-132] of the Environmental Statement, through changes in assessed levels of visual disturbance and lighting as well as airborne noise disturbance. The effect of the proposed change to marine environment receptors is assessed below.

Fish and marine mammals

2.5.106 The assessments of visual disturbance effects for the Marine Works which is presented within chapter D13 [APP-132] of the Environmental Statement was based on 24-hour working to account for the dredging operations. Light can act either as an attractant (for planktivorous feeders) or a deterrent (predatory feeders) for fish and therefore artificial light levels can affect the natural behaviour of species.

2.5.107 The presence of personnel and construction lighting from marine operations was considered to have the potential to result in temporary displacement of fish from the area and disturbance to feeding. The effect of visual disturbance on all fish receptors was assessed as negligible in chapter D13 [APP-132] of the Environmental Statement owing to the fact that there is available habitat along the north Anglesey coastline therefore displacement would only be localised and would not have an effect on populations. As indicated above, this assessment was already based on 24-hour operations for marine dredging therefore any changes to personnel, plant and lighting that may be required for the Marine Works as a consequence of the proposed change would not have an effect on the assessments made.

2.5.108 For marine mammals, visual disturbance was assessed in the context of grey seals that have either surfaced or are hauled-out. The effects could cause seals to cease feeding, resting and socialising and result in displacement from the area. The assessment within chapter D13 [APP-132] of the Environmental Statement took account of the fact that dredging operations would occur for 24 hours a day and concluded negligible effects on marine mammals owing to there being no primary or secondary breeding sites along the north Anglesey coastline and sightings in the Wylfa Newydd Development Area are sporadic individuals or small groups. As with fish receptors, the assessment already assumed visual disturbance for 24 hours a day, therefore any changes in personnel, plant and lighting that may be required for the Marine Works as a consequence of the proposed change will not have an effect on the assessments made.

Seabirds

2.5.109 The assessments of visual disturbance on seabirds was made within chapter D13 [APP-132] of the Environmental Statement and accounted for:

- construction activities for the breakwater, MOLF, temporary cofferdam and subsequent Cooling Water System intake and outfall works;
- increased barge/vessels in construction areas;
- lighting for offshore ground works;
- ground works and construction activities; and
- increased presence of human activity.

2.5.110 Assessments of visual disturbance made in chapter D13 [APP-132] of the Environmental Statement and the Shadow Habitats Regulations Assessment [APP-050/051] were based on earthworks being completed between the hours of 07:00 and 19:00 and included additional mitigation that was developed to protect the tern colony in Cemlyn Lagoon which forms the Anglesey Terns/Morwenoliaid Ynys Mon SPA. The mitigation defined in the Wylfa Newydd CoCP [APP-414] stipulates restrictions on any construction works within 500m of the nesting islands and shingle ridge between the 15 April and 15 May to protect pre-laying and nest establishment in the tern colony. It also goes on to stipulate that no bulk earthworks will be undertaken within 500m of any known active tern nests within the Anglesey Terns/Morwenoliaid Ynys Mon SPA. This mitigation would remain applicable to the proposed change.

2.5.111 Terns and breeding black-headed gulls may be sensitive to the use of lighting at night. The assessments made in chapter D13 [APP-132] of the Environmental Statement took account of the works for the proposed MOLF and breakwaters located over 1km from the breeding colony. The lighting from the Marine Works was considered to have no effect on terns and breeding black-headed gulls, as they do not normally fly or actively feed at night. In addition, the lighting levels were assessed to not extend outside of the bay and therefore would not affect nesting terns.

2.5.112 As outlined in Table 2-20, the haul routes indicative lighting design shows there would be no additional light spill onto Cemlyn Bay (receptor 4/5) as a result of the proposed change. Whilst this would need to be confirmed at the detailed design stage, the proposed change to haul routes and the associated lighting is not considered to affect the assessment of visual disturbance presented in chapter D13 [APP-132] of the Environmental Statement and the Shadow Habitats Regulations Assessment Report [APP-050/051].

2.5.113 The potential effects of the proposed change to the terns and breeding black-headed gulls is not considered likely to result in anything more than a negligible magnitude of change and therefore the significance of the effect would remain negligible, as reported in the Draft DCO application. Furthermore, any changes to personnel, plant and lighting that may be required for the Marine Works as a consequence of the proposed change would have no effect on the conclusions made within the Draft DCO application as the assessments already takes into consideration 24-hour dredging operations.

2.5.114 For lighting and visual disturbance from earthworks, the extent of visual change with potential to affect the terns (either at the colony or at sea) was assessed as not likely to generate levels of visual disturbance significantly above existing background levels (i.e. in terms of potential disturbance to terns, they would be consistent with disturbance generated by other industrial, agricultural and recreational activities that are routinely undertaken in the local landscape, and would be unlikely to be greater than visual disturbance generated by e.g. visitors and walkers utilising public rights of way and accessing the shingle ridge). The mitigation outlined in the Draft DCO application and presented above protects nesting terns from disturbance and therefore any changes to personnel, plant and lighting that may be required for land based operations as a consequence of the proposed change would not change the assessment made within chapter D13 [APP-132] of negligible effect or the Shadow Habitats Regulations Assessment [APP-050/051] of no likely significant effect.

Summary

2.5.115 In summary, the assessments made within chapter D13 [APP-132] of the Environmental Statement and the Shadow Habitats Regulations Assessment [APP-050/051] accounted for 24-hour works in marine construction and relied on mitigation around working windows for the breeding tern colony in Cemlyn Lagoon. Consequently, the proposed change to working hours would have no effect on the conclusions made within the Draft DCO application.

Combined topic effects

2.5.116 As shown above, the proposed change to working hours and the consequential changes to haul routes have implications to the air quality, noise, terrestrial and freshwater ecology, and landscape and visual (i.e. lighting effects) topic assessments. Although each of the topic assessments concluded overall no new or different likely significant environmental effects as a consequence of the proposed change, there is potential for small changes in effects (either from the same topic or different topics) to alter the assessment of combined topic effects reported in chapter D16 [APP-135] of the Environmental Statement.

2.5.117 The proposed change does not affect marine environment receptors via more than one topic and therefore the marine environment assessment is not considered further (the combined effect of the proposed change to airborne noise and visual disturbance has already been considered in the marine environment assessment).

2.5.118 Table 2-21 outlines the topics assessments and receptors potentially affected by the proposed change. It should be noted that the various topics have grouped receptors at different scales as is appropriate for the particular assessments, and individuals that identify within some of these subgroups may overlap.

2.5.119 The implications of the proposed change have been considered for human receptors and other receptors under the subsequent headings.

Human receptors

Residential receptors

2.5.120 Within chapter D16 [APP-135] of the Environmental Statement it was identified that residential receptors in Cemaes, Cemlyn Bay, and Tregele would likely be subject to combined effects due to adverse effects resulting from an increase in noise and vibration, as well as changes to visual amenity and perceived changes in dust deposition. Effects would be most pronounced for the properties situated closest to the Wylfa Newydd Development Area.

2.5.121 With quantification of the additional mitigation currently secured in the Draft DCO application, the "community in Cemaes" receptor group would no longer be considered within the combined topic assessment with respect to air quality, as there are no receptors with medium or large adverse effect descriptors. The proposed change would also result in a substantial reduction in the number of properties in Cemaes subject to noise effects of major significance (see Table 2-18), with no change to the assessment of visual amenity via lighting associated with the new haul routes and greater night-time working. Consequently, the proposed change is not considered to result in a greater combined effect for residential properties in Cemaes with potential for a reduction to occur from that reported in the Draft DCO application as a result of the decreased noise and air quality effects.

2.5.122 The proposed change would result in worsening noise effects at a small number of properties in Tregele compared to that reported in the Draft DCO application, increasing from negligible to minor adverse. The "community in Tregele" receptor group would also remain as requiring consideration in the combined topic assessment for air quality, owing to the medium adverse effect experienced at one property. It is likely that noise effects at this property (and possibly others) would combine with the major adverse effects on visual amenity which in itself would remain unaffected by the proposed change as no additional lighting effects are predicted in Tregele. However, considering the enhanced mitigation proposed with respect to the proposed change and the major adverse noise effects identified in the Draft DCO application, there is considered to be no change to the combined effect reported in the Draft DCO application although this would remain significant.

2.5.123 Other residential receptors surrounding the Wylfa Newydd Development Area (i.e. those within 350m and outlying areas including Cemlyn Bay), may be subject to small increases in both noise and air quality effects however, these are not considered to result in a greater combined effect than assessed in chapter D16 [APP-135] of the Environmental Statement.

Non-residential receptors

2.5.124 The proposed change does not alter the combined topic assessment for non-residential receptors reported in chapter D16 [APP-135] of the Environmental Statement.

Other receptors

2.5.125 For Tre'r Gof SSSI and Cae Gwyn SSSI, the principal effects during construction of the Wylfa Newydd DCO Project relate to changes in surface water and groundwater conditions. Although small increases in nitrogen and dust deposition would occur as a consequence of the proposed change, effects would remain as minor adverse and these are not considered to combine to result in a greater effect during construction, or with any effects from the operation or decommissioning works.

Summary

2.5.126 Overall the proposed change would not result in any new receptors being scoped into the combined topic assessment for the WNDA Development nor would it alter the assessment of combined topic effects and conclusions reported in chapter D16 [APP-135] of the Environmental Statement.

Table 2-21 Topic assessments and receptors potentially affected by the proposed change to working hours (denoted by 'Y'), as well as any other topics which affect the same (or similar) receptors but are not affected by the proposed change (denoted by 'X') (adapted from appendix D16-1 [APP-236]).

Receptor (or group of receptors)	Socio-economics	Public access and recreation	Air quality	Noise and vibration	Soils and geology	Surface water and groundwater	Terrestrial and freshwater ecology	Landscape and visual	Cultural heritage	Coastal processes and coastal geomorphology		Marine environment	Radiological effects	Shipping and navigation
Human receptors														
Community in Cemaes	X		Y	Y		X		Y						
Community in Tregele	X	Covered by rows below	Y	Y		X		Y						
Outlying residential properties east of the Wylfa Newydd Development Area				Y										
Residential properties on the A5025 between Cemaes and Tregele				Y										
Outlying residential properties west of the Wylfa Newydd Development Area				Y		X								
Outlying residential properties south of the Wylfa Newydd Development Area				Y										

Receptor (or group of receptors)	Socio-economics	Public access and recreation	Air quality	Noise and vibration	Soils and geology	Surface water and groundwater	Terrestrial and freshwater ecology	Landscape and visual	Cultural heritage	Coastal processes and coastal geomorphology		Marine environment	Radiological effects	Shipping and navigation
Outlying residential property south of the Wylfa Newydd Development Area (linked to development)				Y										
Residential receptors within 350m of the Wylfa Newydd Development Area			Y											
Non-residential receptors within 350m of the Wylfa Newydd Development Area			Y											
Ecological receptors														
Tre'r Gof Site of Special Scientific Interest (SSSI)			Y			X	Y							
Cae Gwyn SSSI			Y			X	Y							

Health impacts

2.5.127 The proposed change is relevant to the following topics discussed in the Health Impact Assessment Report [APP-429]:

- air quality (Section D.2: Air quality, vehicle and machinery emissions on the Wylfa Newydd Development Area during construction);
- noise (Section D.3 Noise, vehicle and machinery noise on the Wylfa Newydd Development Area during construction); and
- lighting (Section D.4 Community identity, social networks and culture, night-time lighting effects during construction).

2.5.128 Changes to local context and identity during construction and therefore issues relating to physical activity (the other topics discussed within volume D of the Health Impact Assessment Report [APP-429] are not expected to be affected by the proposed change. This is because the proposed change generally relates to the night-time period (when physical activity opportunity would be less likely to be affected).

2.5.129 The assessment of health effects arising from the proposed change only considers issues associated with construction activities, plant and on-site vehicles on the Wylfa Newydd Development Area. The relevant geographical population is predominantly the population near the Wylfa Newydd Development Area. As the Health Impact Assessment (HIA) reaches population health conclusions, discussion focuses on the community areas of (and between) Tregele and Cemaes. Isolated dwellings around the Wylfa Newydd Development Area are included within the analysis and conclusions but are not discussed explicitly. The conclusions also continue to take into account exposure to the workforce accommodated on the Site Campus.

2.5.130 The assessment of health impacts arising from the proposed change has given consideration to the following factors:

- longer working hours are expected to enable tasks to be completed more quickly or less intensively, and that generally, such changes would be expected to reduce the magnitude of effects experienced (offsetting such benefits would be that generally during the extended evenings and night-time times, more people would be present and more sensitive activities may be taking place with potential to disturb sleep or rest);
- not all evening and night-time activities would inherently cause disturbance or exposure on a level to have the potential to affect population health (the size of the Wylfa Newydd Development Area is such that separation distances from communities are likely to be adequate in many cases and larger noise sources (e.g. drilling rigs) would typically use acoustic shielding);

- effects from activities within deep excavations are likely to diminish with increasing depth (as communities would be increasingly shielded by the topography); and
- 24-hour construction activities were already a feature of the working hours presented in the Draft DCO application.

2.5.131 The proposed change to working hours is presented alongside enhanced mitigation with respect to noise (see paragraph 2.5.56) and quantified mitigation with respect to air quality (see paragraph 2.5.2). The assessment and conclusions of this health analysis has taken into account these further substantial commitments.

Air quality related health effects

2.5.132 To assess potential air quality effects arising from the proposed change, further modelling was undertaken, the results of which are reported above from paragraph 2.5.2 onwards.

2.5.133 With inclusion of the lower emitting plant, machinery and marine vessels outlined in paragraph 2.5.2 in relation to the emissions standards that the Wylfa Newydd DCO Project's plant and vehicles would comply with, nitrogen dioxide emissions produced from these sources would be considerably reduced. Although, the additional mitigation would not appreciably affect concentrations of PM_{10} and $PM_{2.5}$ from these sources, these were already assessed as negligible in chapter D5 [APP-124] of the Environmental Statement, being well within the relevant UK AQOs. The effect of the proposed change has been assessed against these quantified residual effects. The results of initial modelling indicate that the proposed change would not lead to any noticeable changes to the description of effects for PM_{10}, $PM_{2.5}$, SO_2 and CO.

2.5.134 In relation to vehicle and machinery emissions on the Wylfa Newydd Development Area during construction, the Health Impact Assessment Report [APP-429] reached an overall conclusion in relation to all air pollutants from this source, rather than separate conclusions for nitrogen dioxide and fine particulate matter. However, the assessment presented in chapter D5 [APP-124] of the Environmental Statement concluded that the effects from plant and machinery related primarily to nitrogen dioxide (particularly short-term concentrations), with negligible changes in annual mean or short-term concentrations of PM_{10} and $PM_{2.5}$.

2.5.135 Paragraphs D2.16 and D.2.17 of the Health Impact Assessment Report [APP-429] which concluded a minor adverse effect on the health of the general population and up to a moderate adverse effect on the health for particularly sensitive groups, therefore needs reconsidering in light of nitrogen dioxide concentrations (the pollutant driving the original conclusion) being substantially reduced by the additional mitigation secured in the Draft DCO application.

2.5.136 On this basis it is considered that the conclusions reached in HIA paragraphs D2.16 that "*the residual significance of potential health and well-being effects is considered to be minor adverse for the general*

population (the majority of people) near the Wylfa Newydd Development Area" would change to negligible as a consequence of the proposed change.

2.5.137 Similarly, the conclusions reached in HIA paragraphs D2.17 that "*For particularly sensitive groups within the affected population, the residual effect could range up to moderate adverse*" would change to minor adverse as a consequence of the proposed change.

2.5.138 The HIA conclusions in relation to air pollutants, particularly fine particulate matter, from other sources (such as dust generated by construction activities, excavation and earth movements during construction) are not expected to be affected by the proposed change, or the vehicle emission standard mitigation commitments. It continues to be the case that dust mitigation secured within the Draft DCO application (and supported by adaptive monitoring) is expected to reduce air pollutant emissions associated with the Wylfa Newydd DCO Project as low as reasonably practicable. As described in paragraphs D.2.40 and D.2.41 of the Health Impact Assessment Report [APP-429], the assessment's conclusion (for mobilised dust type effects) is that there would be a negligible residual effect on the health of the general population and up to a minor adverse residual effect on the health for particularly sensitive groups. This score reflects that health effects, including non-threshold type effects from fine particulates, cannot be ruled out, but would be within UK AQOs.

2.5.139 In summary, changes to less adverse HIA conclusions for vehicle and machinery emissions on the Wylfa Newydd Development Area during construction reflect the beneficial effects of the additional mitigation secured in the Draft DCO application. This conclusion remains with consideration of the proposed change.

Noise related health effects

2.5.140 The extension of construction activities to evening and night-time at the Wylfa Newydd Development Area as part of the proposed change, is likely to increase the potential for sleep disturbance. The changes encompass a wide range of activities and areas on the Wylfa Newydd Development Area. Activities near the settlements of Tregele and Cemaes are likely to be most influential for population health. As described in the Draft DCO application, a key activity in this area is the establishment of earth bunds. As they are built, the bunds would be associated with adverse noise effects but would then provide noise mitigation benefits thereafter. This would continue to be the case with the proposed change.

2.5.141 For the proposed change with respect to noise, the health analysis considers two time periods. As there is no single agreed definition of day/night in literature, the health analysis has used the time periods cited in the World Health Organisation's night noise guidelines [RD8]. The first time period relates to the evening period (19:00 to 23:00) and the second relates to the night-time period (23:00 to 07:00).

2.5.142 For the evening period, the proposed change includes those that extend working to include 19:00 to 22:00 (site grading), as well as those that extend working to include 19:00 to 07:00 (the 19:00 to 23:00 part within this relating to the evening period) (see Table 2-2). The extension of activities during the evening period (19:00 to 23:00) may therefore cause some disturbance when most people may be starting to sleep. However, activities during this time would not extend into the night-time period of 23:00 to 07:00 that is often used by health-related noise criteria such as the World Health Organisation's Night noise guidelines for Europe [RD8]. The changes within the evening period are therefore unlikely to be associated with population level changes in sleep disturbance related health outcomes.

2.5.143 For the night-time period, the proposed change would result in 24-hour working at the Wylfa Newydd Development Area for a number of activities (see Table 2-2). Such a change to the levels of noise during the period of 23:00 to 07:00 would be expected to contribute to more adverse sleep disturbance related health outcomes, compared to the 19:00 to 23:00 period.

2.5.144 The general points set out in paragraph 2.5.130 of this health analysis are particularly relevant to the context of the night-time noise changes. In summary these expectations are: the longer working hours allowing tasks to be completed more quickly or less intensively; adequate separation distance for many activities; larger noise sources typically use acoustic shielding; topographic benefits to activities within deep excavations; and that 24-hour working was already a feature of the Draft DCO application.

2.5.145 To assess potential noise effects arising from the proposed change, further modelling was undertaken, the results of which are reported above from paragraph 2.5.35 onwards. The results, pre-mitigation, indicate a reduction in the overall number of major significant effects as a result of the proposed change and when compared to the Draft DCO application.

2.5.146 In population health terms the change in size of the affected population and the change in the magnitude of effects constitute similar parameters to those that informed the Health Impact Assessment Report [APP-429] submitted as part of the Draft DCO application.

2.5.147 As a result of the proposed change, ongoing SOCG discussions and the major residual effects identified in the Draft DCO application, Horizon has extended the commitments made in the LNMS to mitigate all major significant effects. This means that all residential receptors expected to experience an effect of major significance (i.e. a medium or large magnitude of change) would be eligible for off-site mitigation through the LNMS (e.g. acoustic ventilation and either double or secondary glazing depending on the property).

2.5.148 The health analysis also assumes that the acoustic specification for the worker accommodation at the Site Campus (as well as working practices near this sensitive location, including other parts of the Site Campus operating or being developed) would be reviewed to ensure an appropriate sleep environment was maintained for both day-shift and

night-shift workers. This embedded mitigation is already secured in the Draft DCO application within the design principles in the Design and Access Statement [APP-409 / 410].

2.5.149 On this basis, it is considered that the conclusions reached in the HIA in relation to potential noise disturbance effects to population health from activities on the Wylfa Newydd Development Area during construction would remain as reported into the Draft DCO application and that overall no new or different likely significant effects are predicted following the adoption of enhanced mitigation. As described in paragraphs D.3.19 and D.3.20 of the Health Impact Assessment Report [APP-429], this would be a minor adverse residual effect on the health of the general population and up to a moderate adverse residual effect on the health for particularly sensitive groups.

2.5.150 The health analysis continues to reflect a population health approach and the expected benefits of the LNMS and Section 61 applications under the Control of Pollution Act 1974.

Light related health effects

2.5.151 To assess potential lighting effects arising from the proposed change, further modelling was undertaken, the results of which are reported above from paragraph 2.5.90 onwards. The results indicate that there would be no additional lighting effects to the communities of Cemaes or Tregele.

2.5.152 On this basis, it is considered that the conclusions reached in the HIA in relation to night-time lighting from the Wylfa Newydd Development Area (which could potentially affect community identity or cause sleep disturbance) would be unchanged. As described in paragraphs D.4.36 and D.4.37 of the Health Impact Assessment Report [APP-429], this would be a negligible residual effect on the health of the general population and up to a minor adverse residual effect on the health for particularly sensitive groups.

Equality impacts

2.5.153 The potential effects of the Wylfa Newydd DCO Project on people with 'protected characteristics' (as set out in the Equality Act 2010) as well as socioeconomically deprived communities have been assessed in the Equality Impact Assessment [APP-434].

2.5.154 The updated air quality assessment (paragraphs 2.5.2 to 2.5.32) concluded that, considering the adoption of the lower emitting plant, machinery and marine vessels, the proposed change to working hours are not considered to significantly change the air quality assessment, and the conclusion of no significant effect presented in chapter D5 of the Environmental Statement [APP-124] remains as reported. On this basis it is considered that the conclusions reached in the Equality Impact Assessment [APP-434] in relation to potential air quality effects on equality from the Wylfa Newydd DCO Project's construction activities would remain unchanged. Therefore, no significant health and no

disproportionate or differential equality effects are expected as a result of the proposed change.

2.5.155 The results of the noise assessment presented in paragraphs 2.5.35 to 2.5.58 show that the proposed change in the absence of additional mitigation to working hours would slightly increase the overall number of residential receptors at which significant effects are predicted. However, there would be a 25% decrease in the overall number of major significant effects from that reported in the Draft DCO application in the absence of mitigation, which is a substantial reduction for a number of residential receptors worst effected by construction noise.

2.5.156 Taking into account the enhanced noise mitigation proposed through the extension of the LNMS (see paragraph 2.5.56), all residential receptors expected to experience an effect of major significance (i.e. a medium or large magnitude of change) would be eligible for off-site mitigation through the LNMS. It is therefore considered that the proposed change would not change the overall equality effects reported in the Equality Impact Assessment [APP-434] with regard to noise effects from construction activities. Furthermore, no additional noise effects for educational facilities or places of worship were identified. Therefore, the conclusions of the Equality Impact Assessment [APP-434] with regard to noise effects from construction activities on these receptors remain unchanged.

Shadow Habitats Regulations Assessment

2.5.157 The assessments made within the Shadow Habitats Regulations Assessment [APP-050/051] accounted for 24-hour works in marine construction and relied on mitigation around working windows for the breeding tern colony in Cemlyn Lagoon. Therefore, changes to the working hours outlined in this request for non-material change will have no effect on the conclusions made. Further details can be found in the previous section (the marine environment).

2.5.158 The Shadow Habitats Regulations Assessment [APP-050/051], concluded no adverse effects on the vegetated shingle ridge that forms a qualifying feature of the Cemlyn Bay SAC as a result of changes in air quality. The conclusions of the air quality section of this document are that, with the lower emitting plant, machinery and marine vessels, levels of NOx and deposition of nitrogen and acid would decrease. On this basis, the conclusions of the Shadow Habitats Regulations Assessment [APP-050/051], with respect to air quality effects on Cemlyn Bay SAC therefore remain sound and unchanged.

Table 2-22 Likely new or different environmental effects

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
Environmental Statement chapter D5	APP-124	Air quality	As outlined in paragraph 2.5.8 to 2.5.17, the proposed change would have a minimal effect on the effects at human receptors with regard to PM_{10}, $PM_{2.5}$, SO_2 and CO. On this basis, there is considered to be no material change to the air quality assessment for these pollutants, and the conclusions presented in chapter D5 [APP-124] of the Environmental Statement remain as reported. Whilst predicted concentrations of NO_2 at human and ecological receptors will change, the majority of effects would remain negligible and the maximum concentrations would be well within the relevant AQOs. Thus, there is considered to be no new or different likely significant environmental effects to the air quality assessment, and the conclusions of the air quality assessment presented in chapter D5 [APP-124] of the Environmental Statement remain as reported.	Non-material change
Environmental Statement chapter D6	APP-125	Noise and vibration	As outlined in paragraphs 2.5.35 to 2.5.58, a number of residential and non-residential receptors are significantly adversely effected by construction noise as identified in the Draft DCO application and in relation to this proposed change. In the absence of additional mitigation there would a slight increase in the overall number of residential receptors at which significant effects are	Non-material change

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
			predicated. However, there would be a 25% decrease in the overall number of major significant effects from that reported in the Draft DCO application, which is a substantial reduction for a number of residential receptors worst effected by construction noise. Enhanced mitigation which increases the commitments made in the LNMS will be provided for all major significant effects resulting in 242 residential receptors being eligible. Furthermore, a number of residential receptors closet to the Wylfa Newydd Development Area will also benefit from the enhanced LNMS. It is therefore concluded that taking into consideration the balance of effects and assessment made in the Draft DCO application, that the proposed change would not introduce any new or different likely significant environmental effects from that reported in chapter D6 [APP-125] the Environmental Statement.	
Environmental Statement chapter D9	APP-128	Terrestrial and freshwater ecology	As outlined in paragraphs 2.5.59 to 2.5.89, the proposed change would not significantly alter the assessment of effects to terrestrial and freshwater ecological receptors due to changes in air quality or levels of noise and/or lighting disturbance. This assessment takes account of new mitigation proposed to address potential lighting effects to buffer zones along watercourses within the Wylfa Newydd Development Area. Thus, there is considered to be no new or different likely significant environmental effects on terrestrial	Non-material change

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
			and freshwater ecology receptors and the conclusions presented in chapter D9 [APP-128] of the Environmental Statement would remain as reported.	
Environmental Statement appendix D10-10	APP-201	Environmental Lighting Impact Assessment	As outlined in Table 2-20, the proposed change to working hours would have potential lighting impacts on eight receptors (five ecological receptors already considered in the Draft DCO application and three new residential receptors). Updated lighting modelling results confirmed there would be no change to the assessment of effects at four ecological receptors and negligible effect at the three new residential receptors. For the two remaining ecological receptors (buffer zones along the waterbody within the Wylfa Newydd Development Area and Mynydd Ithel Fam), the proposed change was predicted to result in a greater effect. However, with consideration of existing and enhanced mitigation, which is detailed in Table 2-20, the potential magnitude of effect at these receptors would reduce to that reported in the Draft DCO application. Thus, there is considered to be no new or different likely significant environmental effects identified and the assessment presented in appendix D10-10 [APP-201] would remain as reported.	Non-material change

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
Environmental Statement chapter D13	APP-132	The marine environment	As outlined in paragraphs 2.5.105 to 2.5.115, the proposed change would not significantly alter the assessment of effects to fish receptors, marine mammals and seabirds (target and secondary species) due to: 1) visual disturbance from lighting and presence of personnel; and 2) airborne noise disturbance. This is primarily because 24-hour works in marine construction were already considered in the assessment and mitigation was secured in the Draft DCO to address effects to the breeding tern colony in Cemlyn Lagoon. Thus, there is considered to be no new or different likely significant environmental effects to the marine environment assessment and the conclusions presented in chapter D13 of the Environmental Statement [APP-132] remain as reported.	No change
Environmental Statement, chapter D16	APP-135	Combined topic effects	Based on the assessments outlined in each topic specific assessment, the combined topic effect assessment in paragraphs 2.5.116 to 2.5.126 and the inclusion of enhanced mitigation, there are no new or different likely significant combined effects that would arise as a result of the proposed change. Consequently, the combined topic effects assessment remains as reported in chapter D16 [APP-135] of the Environmental Statement.	No change
Environmental Statement, chapter I4	APP-387	Intra-project cumulative effects	Based on the assessments outlined in section 2.5 (and summarised in this table) and the additional mitigation proposed with respect to air quality, noise	No change

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
			and lighting effects, there are no new or different likely significant intra-project cumulative effects that would arise as a result of the proposed change. Consequently, the intra-project cumulative effects assessment remains as reported in chapter I4 [APP-387] of the Environmental Statement.	
Environmental Statement chapter I5	APP-388	Inter-project cumulative effects	Based on the assessments outlined in section 2.5 (and summarised in this table) and the additional mitigation proposed with respect to air quality, noise and lighting effects, there are no new or different likely significant inter-project cumulative effects that would arise as a result of the proposed change. Consequently, the inter-project cumulative effects assessment remains as reported in chapter I5 [APP-388] of the Environmental Statement.	No change
Shadow Habitats Regulations Assessment Report	APP-050/051	Appropriate assessment: Birds	As outlined in paragraphs 2.5.157 to 2.5.158, the proposed change would not significantly alter the appropriate assessment for the tern colony at Cemlyn Lagoon due to: 1) visual disturbance from lighting and presence of personnel; and 2) airborne noise disturbance. This is primarily because 24-hour works in marine construction were already considered in the assessment and mitigation was secured in the Draft DCO to address effects to the breeding tern colony in Cemlyn Lagoon. Additionally, as outlined in paragraph 2.5.158, the proposed change would not significantly alter the appropriate assessment for the vegetated shingle	No change

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
			ridge that forms a qualifying feature of the Cemlyn Bay SAC as a result of changes in air quality. Thus, there is considered to be no new or different likely significant environmental effects and therefore no change to the appropriate assessment for birds and for the vegetated shingle ridge that forms a qualifying feature of the Cemlyn Bay SAC and the conclusions of the Shadow Habitats Regulations Assessment Report [APP-050/051] remain as reported.	
Health Impact Assessment Report	APP-429	Air quality (HIA section D.2) Noise (HIA section D.3 Noise) Lighting (HIA section D.4)	As outlined in paragraphs 2.5.127 to 2.5.152, the proposed change has the potential to result in more adverse conclusions for air quality and noise related health effects compared to those reached in the Health Impact Assessment Report [APP-429] submitted as part of the Draft DCO application. However, in relation to the proposed change additional mitigation has been considered. The commitment to higher emission standards for Project vehicles and plant would be likely to reduce the significance of potential adverse effects to population health from nitrogen dioxide. This additional mitigation which is already secured in the Draft DCO would go beyond offsetting the effects of the proposed change and result in a more favourable conclusion for vehicle and plant related emissions compared to that reported in the HIA submitted as part of the Draft DCO application. The expansion of the LNMS is likely to reduce the potential for significant adverse population health effects associated with night-time sleep	Non-material change

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
			disturbance. Assuming such expansion would be commensurate with the extent and magnitude of the change, this additional mitigation would be expected to offset the effects of the proposed change, with no change to the conclusions of the Health Impact Assessment Report [APP-429] submitted as part of the Draft DCO application. No new or different likely significantly different light related health effects have been identified as a consequence of the proposed change and therefore the conclusions related to this effect would remain as reported in the HIA submitted as part of the Draft DCO application.	
Equality Impact Assessment	APP-434	7 What are the potential equality effects of the Wylfa Newydd DCO Project?	As outlined in paragraphs 2.5.153 to 2.5.156, considering the adoption of the lower emitting plant, machinery and marine vessels, the proposed change to working hours are not considered to represent a material change to the air quality assessment, and the conclusion of no significant effect presented in chapter D5 [APP-124] of the Environmental Statement remains as reported. On this basis it is considered that the conclusions reached in the Equality Impact Assessment [APP-434] in relation to potential air quality effects on equality from the Wylfa Newydd DCO Project's construction activities would remain unchanged. Therefore, no significant health and no disproportionate or differential equality effects are expected as a result of the proposed change.	Non-material change

Document name	Examination Reference Number	Document/chapter/section name	Likely effect of the changes	Material change/non-material change/no change
			There would be a significant reduction in major significant noise effects with the enhanced LNMS and overall the equality effects reported in the Equality Impact Assessment [APP-434] with regard to noise effects from construction activities would remain unchanged. Furthermore, no additional noise effects for educational facilities or places of worship were identified. Therefore, the conclusions of the Equality Impact Assessment [APP-434] with regard to noise effects from construction activities on these receptors remain unchanged.	

2.6 Cumulative assessment for the proposed changes

2.6.1 To assess whether all the proposed non-material changes could interact to result in the Wylfa Newydd DCO Project having a greater cumulative effect to that reported in the Draft DCO application, a cumulative assessment has been carried out, the results of which can be found in appendix 1-1.

2.6.2 Cumulative effects include both intra-project (resulting from the various developments that comprise the Wylfa Newydd DCO Project) and inter-project (resulting from the Wylfa Newydd DCO Project together with external projects) effects; these assessments are reported in volume I (cumulative effects) [APP-384 to APP-388] of the Environmental Statement.

2.6.3 Combined topic effects, also known as intra-development effects, occur when a single receptor is affected in more than one way by the same development. The relevant combined topic assessment (i.e. project-wide effects) is reported in chapter C7 [APP-094] of the Environmental Statement.

2.6.4 As demonstrated in the cumulative assessment report (appendix 1-1), there are considered to be no new or different intra- and inter- project cumulative effects to environmental receptors as a consequence of the proposed change or any other non-material change requests. Furthermore, there are considered to be no new or different combined topic effects as a consequence of the proposed changes.

2.6.5 Consequently, the overall cumulative assessment of the Wylfa Newydd DCO Project remains as reported in the Draft DCO application.

2.7 Schedule of engagements

Table 2-23 Schedule of engagements

Date	Event
17 October 2018	Horizon wrote to PINS, submitting Batch 1 Requests for Non-Material Change (Blasting Strategy and Marine Vessel Movements) and advising of an emerging Batch 2 (Working Hours, Shift Patterns and HGV Deliveries)
23 October 2018	Preliminary Meeting
31 October 2018	Horizon's letter of 17 October 2018 (outlining the three new (Batch 2) proposed changes and advising of the intention to consult on them) accepted at the discretion of the Examining Authority [AS-011]
31 October 2018	First notice advertising consultation on Batch 2 (8 November to 6 December 2018) published in The Daily Post
7 November 2018	Second notice advertising consultation on Batch 2 (8 November to 6 December 2018) published in The Daily Post, and also in the London Gazette
8 November 2018	28-day consultation on Batch 2 begins

19 November 2018, 1-7pm	Horizon Open Surgery at Cemaes Village Hall, attended by Batch 2 consultation team
6 December 2018	28-day consultation on Batch 2 ends
7 December 2018 - 16 January 2019	Horizon reviews representations received and updates proposed change as required to have regard to representations.
17 January 2019 (Exam Deadline 4)	Submission of three proposed non-material changes to the Examining Authority for consideration.
23 April 2019	End of Examination

2.7.1 As noted in section 1.4.6, copies of the consultation documents were made available for public viewing at:

- The Anglesey Business Centre, Isle of Anglesey County Council, Bryn Cefni Business Park, Llangefni, Anglesey, LL77 7XA, Monday to Friday 9am to 5pm, and
- Wylfa Newydd Site Office, Cemaes Bay, Anglesey, LL67 0AA, Monday to Friday 9am to 5pm by appointment only, and
- on Horizon's consultation website, www.horizonnuclearpower.com/consultation.

2.7.2 The following specified consultees (prescribed persons under section 42(1)(a)-(d) of the Planning Act 2008) were notified of the proposed change. Those who responded are asterisked.

- Welsh Government *
- Natural Resources Wales *
- Isle of Anglesey Council *
- Gwynedd Council *
- Conwy County Borough Council
- North Wales Economic Ambition Board
- North Wales Wildlife Trust
- RSPB Cymru
- National Trust
- The Crown Estate
- Betsi Cadwaladr University Health Board
- Public Health Wales
- Welsh Ambulance Service Trust
- North Wales Police
- RAF Valley
- North Wales Fire and Rescue Service *
- National Grid
- Welsh Water

- North & Mid Wales Trunk Road Agency
- The Marine Management Organisation
- North West & North Wales Sea Fisheries Committee
- The Maritime & Coastguard Agency
- Marine Conservation Trust
- Royal National Lifeboat Institution
- The Maritime & Coastguard Agency
- SP Manweb plc
- Magnox
- Nuclear Decommissioning Authority
- North Anglesey Partnership
- Destination Anglesey Partnership
- North Wales Economic Ambition Board
- Trinity House *
- Joint Nature Conservation Committee
- Cyngor Tref Amlwch (Town Council)
- Cyngor Cymuned Cylch-Y-Garn (Community Council)
- Cyngor Cymuned Llanbadrig
- Cyngor Cymuned Mechell
- Cyngor Cymuned Llaneilian
- Cyngor Cymuned Rhosybol
- Bodedern Community Council
- Bryngwran Community Council
- Llanfachraeth Community Council
- Llanfaethlu Community Council
- Trearddur Community Council
- Valley Community Council
- Llanfair yn Neubwll Community Council
- Talybolion Local Members
- Twrcelyn Local Members

2.7.3 Targeted mail drops for “Consultation update” newsletter covering all three Batch 2 changes:

- Main Site – regular list of near neighbours, comprising 909 addresses in Cemaes and Tregele
- A5025 corridor – list of addresses (within 1km wide corridor along the A5025 from Main Site to and including Valley) used for on-line

road consultations for applications under the Town & Country Planning Act 1990 – 1,679 addresses

- Logistics Centre, Parc Cybi – a new zone of 750m radius from the Centre, comprising 67 residential and business addresses
- Park and Ride, Dalar Hir – a new zone based on a 1,250m radius, with the addition of some further residential receptors close to the zone, comprising a total of 363 addresses
- **TOTAL: 3,018 addresses.**

2.7.4 Site notices:

- 22 locations around Anglesey

2.7.5 The proposed change does not require any 'additional land', so Horizon has not sought the consent of persons with an interest in the relevant land was required under the Infrastructure Planning (Compulsory Acquisition) Regulations 2010. However, letters providing information about the consultation were sent to persons with an interest in land relating to the Main Site, A5025, Parc Cybi and Dalar Hir, comprising approximately 850 addresses.

2.7.6 Horizon's letter to the Planning Inspectorate of 17 October 2018 [AS-011] (notifying it of the emerging second batch of non-material changes) advised that Horizon did not propose to undertake 'roadshow' type events as part of the consultation, but instead to undertake consultation on a written basis only (due to the scheduled hearings and other demands of the examination process on stakeholders). However, Horizon identified an opportunity to send a Batch 2 consultation team (including technical experts) to one of the regular 'Open Surgeries' hosted at Cemaes Village Hall, thereby giving stakeholders an opportunity to discuss the Batch 2 changes in person, as noted in the schedule of engagements above. Notification of the event was included in publicity materials.

2.8 Schedule of consequential amendments to application documents

Table 2-24 Schedule of consequential amendments to application documents

Application document name	Examination Reference Number	Section of document	Version to be amended	Description of amendment
Environmental Statement chapter D1 Proposed Development	APP-120	1.6	1.0	Update to table D1-7 and the general text which outlines the site operation hours.
Environmental Statement chapter D5: air quality (excluding emissions from traffic)	APP-124	5.5, 5.6 and 5.7	1.0	Update results (including those in the relevant tables), description of the proposed additional mitigation and the residual effects.

Application document name	Examination Reference Number	Section of document	Version to be amended	Description of amendment
Environmental Statement appendix D5-2: Dispersion modelling of emissions to atmosphere arising from main site	APP-140	2.2, 2.3, 2.4 and 3, appendices A, D, E	1.0	Update modelling scenarios and input data, air quality modelling results and related dispersion isopleths.
Environmental Statement chapter D6 Noise and vibration	APP-125	6.4, 6.6 and 6.7	1.0	The construction noise assessment scenario would require amendment to reflect changes to the phasing of construction activities, and two additional scenarios for months 7-9 and 10-12 would need to be added. Additions to the commitments made in respect of the Local Noise Mitigation Strategy set out in table D6-32 would also be required. The property counts for residual effects within table D6-35 would require updating.
Appendix D6-1 Noise modelling inputs and results	APP-142	1.2, 2.0	1.0	Update to reflect amendments to the indicative plant list/schedule. Results tables 2-1 through to 2-41 would require updates to reflect the results of the proposed change.
Environmental Statement chapter D9 Terrestrial and freshwater ecology	APP-128	9.5	1.0	Updates to air quality assessment of sensitive ecological receptors in light of the lower emitting plant, machinery and marine vessels used rather than as a direct result of changes in working hours.
Environmental Statement chapter D9 Terrestrial and freshwater ecology	APP-128	9.5	1.0	Updates to noise assessment for chough, breeding birds (barn owl), and bats.
Environmental Statement appendix D10-10: Environmental	APP-201	1.2	1.0	Update to figure 1-1 (Receptor Locations) to include newly identified potential receptors: Gof

Application document name	Examination Reference Number	Section of document	Version to be amended	Description of amendment
Lighting Impact Assessment				Isaf bat barn and the four new residential receptors.
Environmental Statement appendix D10-10: Environmental Lighting Impact Assessment	APP-201	1.4	1.0	Update to include a baseline description of newly identified potential receptors.
Environmental Statement appendix D10-10: Environmental Lighting Impact Assessment	APP-201	1.5	1.0	Update to table 1-4 and the following description to provide assumptions on the lighting of haul routes and the proposed change to working hours for each construction zone where relevant.
Environmental Statement appendix D10-10: Environmental Lighting Impact Assessment	APP-201	1.6	1.0	The construction effects would need to be updated to include the effects on the newly identified receptors, as well as the change in potential magnitude of effects as a result of the proposed change to working hours and associated lighting of haul routes.
Environmental Statement appendix D10-10: Environmental Lighting Impact Assessment	APP-201	1.7	1.0	Update to additional mitigation to include new proposed measures.
Environmental Statement appendix D10-10: Environmental Lighting Impact Assessment	APP-201	1.8	1.0	Update to table 1-8 to include the additional receptors, to revise the potential magnitude of change where relevant and to include proposed additional mitigation.
Environmental Statement chapter D13: The marine environment	APP-132	13.5.34	1.0	Update to working hours for drilling activities (to be amended to state 24-hour operations as it currently states 07:00 to 19:00)
Environmental Statement Wylfa Newydd	APP-237	Figure D5-5 and D6-2	1.0	Update to reflect changes to haul road locations.

Application document name	Examination Reference Number	Section of document	Version to be amended	Description of amendment
Development Area Development Figure Booklet – Volume D				
Environmental Statement Wylfa Newydd Development Area Development Figure Booklet – Volume D	APP-237	Figures D5-7 to D5-11	1.0	Updates to changes in nitrogen dioxide concentrations.
Environmental Statement Wylfa Newydd Development Area Development Figure Booklet – Volume D	APP-237	Figures D6-3 to D6-10	1.0	Updates to construction noise levels.
Environmental Statement chapter I4 intra-development cumulative effects	APP-387	4.2	1.0	Update to noise and vibration assessment.
Environmental Statement chapter I4: Intra-project cumulative effects	APP-387	4.2	1.0	Update to air quality modelling results.
Environmental Statement appendix I4-2: Project-wide and Wylfa Newydd Development Area development intra-project air quality assessment	APP-393	5	1.0	Update to air quality modelling results.
Environmental Statement chapter I5 inter-development cumulative effects	APP-388	5.2	1.0	Update to noise and vibration assessment.
Health Impact Assessment Report	APP-429	D.2.16 and D.2.17	1.0	Revise air quality conclusions to negligible for the general population and minor adverse for sensitive groups. Some narrative discussion relating to this change may be appropriate.
Health Impact Assessment Report	APP-429	D.2.10 and D.2.11	1.0	Consider revising magnitude discussion and scoring to reflect lower nitrogen dioxide levels. Magnitude score

Application document name	Examination Reference Number	Section of document	Version to be amended	Description of amendment
				may change from medium to small.
Health Impact Assessment Report	APP-429	D.3.26	1.0	Add further detail on the extended Local Noise Mitigation Strategy. E.g. in relation to wider area, replacement garden fences and compensation.
Health Impact Assessment Report	APP-429	D.3.30	1.0	Update number of residential receptors experiencing EIA major adverse significant effects from 321 to 257.
Health Impact Assessment Report	APP-429	Table P-1	1.0	Update summary table of effects in relation to air quality changes
Equality Impact Assessment	APP-434	7.2	1.0	Updates to numbers of residential receptors significantly affected by traffic noise.
Wylfa Newydd Development Area and Power Station Site Plans	REP2-018/019	N/A	2.0	Update the following figures to reflect changes to haul routes Wylfa Newydd Development Area Reference Points 1, 2, 3 and 4.
Draft Development Consent Order	APP-029	Schedule 4	3.0	Update description of working hours
Wylfa Newydd Code of Construction Practice	REP3-042	4.3, 7.0, 8.0	2.0	Update description of working hours and the relevant management strategies related to the topic assessments where changes from the Draft DCO application have been identified.
Main Power Station Site sub-CoCP	REP2-032	4.3, 7.0, 8.0	2.0	Update description of working hours and the relevant management strategies related to the topic assessments where changes from the Draft DCO application have been identified.
Marine Works sub-CoCP	REP2-033	4.3, 7.0, 8.0	2.0	Update description of working hours and the relevant management strategies related to the topic assessments where

Application document name	Examination Reference Number	Section of document	Version to be amended	Description of amendment
				changes from the Draft DCO application have been identified.

3 References

Table 3-1 Schedule of references

ID	Reference
RD1	The Planning Inspectorate. 2018. Advice Note 16: How to request a change which may be material. [Online]. [Accessed: June 2018]. Available from: https://infrastructure.planninginspectorate.gov.uk/wp-content/uploads/2015/07/Advice-note-16.pdf
RD2	Department of Energy and Climate Change. 2011. Overarching National Policy Statement for Energy (EN-1). [Online]. [Accessed: 02 July 2018]. Available from: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/47854/1938-overarching-nps-for-energy-en1.pdf
RD3	Department of Energy and Climate Change. 2011. National Policy Statement for Nuclear Power Generation (EN-6). [Online]. [Accessed: 02 July 2018]. Available from: https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/47859/2009-nps-for-nuclear-volumel.pdf
RD4	Department for Business, Energy and Industrial Strategy. 2017. Statement on Energy Infrastructure. [Online] [Accessed: 22 October 2018]. Available from: https://www.parliament.uk/business/publications/written-questions-answers-statements/written-statement/Lords/2017-12-07/HLWS316/
RD5	Caporn, S., Field, C., Payne, R., Dise, N., Britton, A., Emmett, B., Jones, L., Phoenix, G., Power, S., Sheppard, L., Stevens, C. 2016. Assessing the effects of small increments of atmospheric nitrogen deposition (above the critical load) on semi-natural habitats of conservation importance. Natural England Commissioned Reports, Number 2010.
RD6	Stevens, C., Jones, L., Rowe, E., Dale, S., Hall, J., Payne, R., Evans, C., Caporn, S., Sheppard, L., Menichino, N., and Emmett, B. 2013. Review of the effectiveness of on-site habitat management to reduce atmospheric nitrogen deposition impacts on terrestrial habitats. CCW Science Report No. 1037 (A).
RD7	Adrienne Stratford (Welsh Chough Project) / RSPB pers. comm. in March and June 2017
RD8	World Health Organization Regional Office for Europe. (2009) Night noise guidelines for Europe. (Copenhagen, Denmark). http://www.euro.who.int/__data/assets/pdf_file/0017/43316/E92845.pdf

[This page is intentionally blank]

Appendix 1-1 Cumulative assessment report

[This page is intentionally blank]

Contents

1 Introduction 1
1.2 Scope 1
1.3 Assessment approach 2
Assessment of noise effects 2
Assessment of air quality effects 3
Assessment of human health impacts 3
1.4 Description of the proposed non-material changes 4
2 Combined topic effects (i.e. intra-development cumulative effects) 6
2.2 Project-wide combined topic effects 7
Traffic and transport 7
Public access and recreation 8
2.3 WNDA Development combined topic effects 9
Human residential receptors 11
Other receptors 12
3 Intra-project cumulative effects 13
Traffic and transport 13
Public access and recreation 13
Air quality 13
Noise and vibration 17
Terrestrial and freshwater ecology 18
The marine environment 18
4 Inter-project cumulative effects 19
Public access and recreation 19
Air quality 20
Noise and vibration 21
5 Health impacts 23
6 Shadow Habitats Regulations Assessment 26
7 Schedule of consequential amendments to application documents 27
8 References 28

List of Tables

Table 1-1 Proposed non-material changes to the Draft DCO application being sought by Horizon 4
Table 2-1 Summary matrix of the non-material change requests and the developments effected 6
Table 2-2 Topic assessments and receptors potentially affected by the proposed changes to worker shift patterns and the HGV delivery window (adapted from appendix C7-1) [APP-118] 7
Table 2-3 Topic assessments and receptors potentially affected by the proposed changes to the blasting strategy, marine vessel movements and working hours (denoted by 'Y') (adapted from appendix D16-1) [APP-236] 10
Table 3-1 Peak earthworks and Marine Works (year 2) – predicted intra-project additive annual mean air pollutant concentrations at key human receptors 15
Table 3-2 Peak earthworks and Marine Works (year 2) – predicted intra-project additive short-term air pollutant concentrations at key human receptors 15
Table 3-3 Peak construction (year 5) – predicted intra-project additive annual mean air pollutant concentrations at key human receptors 16
Table 3-4 Peak construction (year 5) – predicted intra-project additive short-term air pollutant concentrations at key human receptors 16
Table 5-1 Health analysis cumulative assessment 25
Table 7-1 Schedule of consequential amendments to application documents 27
Table 8-1 Schedule of references 28

1 Introduction

1.1.1 Horizon Nuclear Power Wylfa Limited's ("**Horizon**") is currently seeking a Development Consent Order to enable the construction, operation and maintenance of the Wylfa Newydd DCO Project ("**Draft DCO application**"). Horizon is seeking a total of five non-material changes to the Draft DCO application for the Wylfa Newydd DCO Project. Horizon has already submitted the following two non-material change requests, both of which were accepted into examination on 31 October 2018:

- Request for Non-Material Change no.1 – Blasting Strategy [AS-012]; and
- Request for Non-Material Change no.2 – Marine Vessel Movements [AS-013].

1.1.2 Horizon is now making the following three non-material change requests:

- Request for Non-Material Change no.3 – Worker Shift Patterns;
- Request for Non-Material Change no.4 – Working Hours; and
- Request for Non-Material Change no.5 – HGV delivery window.

1.1.3 Further information related to each non-material change is provided in section 1.4 below; detailed assessments can be found in the standalone Request for Non-Material Change documents listed above.

1.1.4 This cumulative effects report considers whether the Requests for Non-Material Change would change the findings of the cumulative effects assessments reported in the Environmental Statement.

1.2 Scope

1.2.1 This appendix (which is attached – in duplicate form – to documents 3, 4 and 5 listed above) sets out an assessment of the effects of all five proposed non-material changes to the cumulative assessment reported in the Draft DCO application. The purpose is to assess whether the proposed changes could interact to result in the Wylfa Newydd DCO Project having a greater cumulative effect to that reported in the Draft DCO application. The effect of each separate request for non-material change on the cumulative assessment reported in the Draft DCO application has been assessed and reported within the standalone candidate for change documents.

1.2.2 The approach to the cumulative assessment of the proposed changes is consistent with the Project Environmental Impact Assessment (EIA); see chapter B1 (introduction to the assessment process), [APP-066] of the Environmental Statement for an overview of this process. There are three components to the assessment of cumulative EIA effects: combined topic effects; intra-project effects; and inter-project effects, and all are described further below.

1.2.3 The methodology used for the cumulative effects assessment has considered all residual effects that are minor adverse or greater.

1.2.4 Combined topic effects (also known as intra-development effects) occur when a single receptor is affected in more than one way by the same development.

Combined topic effects for each development comprising the Wylfa Newydd DCO Project are reported in chapters C7 (Project-wide effects), [APP-094], D16 (WNDA Development), [APP-135], E12 (Off-Site Power Station Facilities: AECC ESL and MEEG), [APP-250], F12 (Park and Ride), [APP-227], G12 (A5025 Off-line Highway Improvements), [APP-315] and H12 (Logistics Centre), [APP-366] of the Environmental Statement.

1.2.5 Intra-project effects result from the various developments that comprise the Wylfa Newydd DCO Project, whilst inter-project effects result from the Wylfa Newydd Project together with external projects. These assessments are reported in volume I (cumulative effects) [APP-384 to APP388] of the Environmental Statement.

1.2.6 Consideration has also been given to the cumulative effects of the proposed changes to the Health Impact Assessment Report [APP-429] and the Shadow Habitats Regulations Assessment Report [APP-050/051] and a conclusion of no new cumulative or in-combination effects has been reached, respectively.

1.2.7 All other assessments submitted as part of the Draft DCO application (e.g. Welsh Language Impact Assessment, [APP-432]; Equality Impact Assessment, [APP-434]; and Water Framework Directive Compliance Assessment, [APP-444] would remain unaffected by the proposed changes and have therefore not been considered further.

1.3 Assessment approach

1.3.1 For the purpose of the assessment and in order to assess a worst case, it is assumed that the proposed changes and the associated construction activities and environmental effects would occur concurrently. This is considered worst case as in reality the proposed changes are unlikely to fully overlap with one another (e.g. blasting activities will occur earlier in the programme than marine vessel movements but are estimated to overlap for approximately 8 months).

Assessment of noise effects

1.3.2 The noise assessments for each of the following requests for non-material change identified the potential for new or different likely significant environmental effects:

- Request for Non-Material Change no.4 – Working Hours; and
- Request for Non-Material Change no.5 – HGV delivery window.

1.3.3 However, implementation of a Local Noise Mitigation Strategy (LNMS) for the Wylfa Newydd DCO Project, as well as other mitigation measures secured in the Wylfa Newydd Code of Construction Practice (CoCP) [APP-414], will reduce the assessment of effects arising from the proposed changes. With the potential for some small increases in the number of adverse effects, including cumulatively, a number of options for new and enhanced mitigation have been proposed. Included in these options is an extension to the commitment made in the LNMS set out in section 8.3 of the Wylfa Newydd CoCP [REP2-031] irrespective of the proposed changes to working hours and the HGV delivery window (Requests for Non-Material Change no. 4 and 5). This extension will on balance mitigate the worst-affected properties and

reduce major significant effects identified in the Draft DCO application and as of the proposed change.

1.3.4 On the basis of this mitigation, the noise and vibration topic assessment for the proposed change to working hours and the HGV delivery window (Requests for Non-Material Change no. 4 and 5) concluded that on balance, there would be no new or different likely significant environmental effects. However, the potential cumulative effect of changes to noise disturbance as a result of the five requests for non-material change to the Draft DCO application has been considered within this appendix (see sections 2 to 4).

Assessment of air quality effects

1.3.5 The air quality dispersion modelling which was undertaken to assess the air quality effects of the proposed change to working hours (Request for Non-Material Change no. 4) took into consideration Horizon's pre-existing commitment within the Draft DCO application to use lower emitting plant, machinery and marine vessels proposed as additional mitigation. It also took account of the proposed change to the marine vessel movements (Request for Non-Material Change no. 2) which has been submitted to the Examining Authority.

1.3.6 Although air quality modelling work was undertaken to assess the proposed change to worker shift patterns and the HGV delivery window (Requests for Non-Material Change no. 3 and 5), there was no requirement to take account of any pre-existing mitigation commitments within the Draft DCO application. The proposed change to the blasting strategy (Request for Non-Material Change no. 1) relates to the timings for carrying out blasting and has no effect on the amount or magnitude of blasting required. Therefore, this proposed change does not affect the assessment of air quality effects reported in the Draft DCO application.

1.3.7 As expected, the lower emitting construction plant, machinery and vessels delivered significant reductions in air quality effects. The effect of the proposed changes to working hours (Request for Non-Material Change no. 4) has therefore been assessed against the quantified residual effects of the two modelling scenarios (for year 2 and year 5) which take account of this mitigation. This is considered to be a more appropriate baseline scenario than the Draft DCO application which does not quantify this mitigation within the modelling assessments (see paragraphs 2.5.2 to 2.5.4 of the request for non-material change to working hours). This forms the basis of the cumulative assessment.

Assessment of human health impacts

1.3.8 The Health Impact Assessment has adopted the same assessment approach to mitigation as the noise and air quality assessments described above. This forms the basis of the cumulative assessment.

1.4 Description of the proposed non-material changes

1.4.1 A detailed description of the five proposed non-material changes being sought by Horizon, including a justification for their requirement and non-materiality can be found in the standalone candidate for change documents.

1.4.2 For reference, a brief description of each proposed non-material change is provided in Table 1-1 below.

Table 1-1 Proposed non-material changes to the Draft DCO application being sought by Horizon

Proposed non-material change	Description
Request for Non-Material Change no.1 – Blasting Strategy [AS-012]	Horizon is seeking an extension to the daily time frame within which blasting for the Main Construction works is permitted, from: Monday to Friday between 10:00 and 16:00, and Saturday between 10:00 and 13:00 (as submitted in the Draft DCO application); to Monday to Friday between 09:00 and 19:00, and Saturday between 08:00 and 13:00 (with no blasting after dusk between March and September). In practice, because of the change in length of day and the change to BST, dusk falls after 19:00 from April until September.
Non-Material Change no.2 – Marine Vessel Movements [AS-013]	Horizon is seeking to increase the upper daily limit from four movements per day (two vessels) to 16 movements per day (eight vessels). These changes fall within the total vessel movements described and assessed in the Draft DCO application.
Request for Non-Material Change no.3 – Worker Shift Patterns	Horizon is also seeking the following changes to shift times and durations: • increase the day shift windows by half hour at the end of each shift; • amend the start of the night shift window by three hours; and • decrease the night shift window by half hour during peak construction (e.g. 2023).
Request for Non-Material Change no.4 – Working Hours	Horizon is seeking to extend the following working hours to include 19:00-07:00 hours (i.e. 24-hours) for: • marine piling (percussion piling to 19:00 only); • MOLF construction • preparation for blasting including rock drilling and packing for blasting;

Proposed non-material change	Description
	• moving/repositioning won rock in the excavations; and • support operations which covers a range of activities required to support the early works and Main Construction As a consequence of the proposed change to working hours and to reduce overall environmental effects from those reported in the Draft DCO application, Horizon is also seeking an extension to the working hours for earthworks and site grading.
Request for Non-Material Change no.5 – HGV delivery window	Horizon is seeking to extend the weekday (Monday to Friday inclusive) delivery window into the evening, to include deliveries between the hours of 19:00 and 23:00 (up to a maximum of 20 HGV movements in each direction). Furthermore, an additional delivery window is proposed on Saturday mornings, between 08:00 and 13:00 (up to a maximum of 50 HGV movements in each direction).

2 Combined topic effects (i.e. intra-development cumulative effects)

2.1.1 The proposed changes to worker shift patterns and the HGV delivery window (Requests for Non-Material Change no. 3 and 5) have potential implications for the assessment of project-wide effects outlined in volume C of the Environmental Statement. The remaining proposed changes to the blasting strategy, marine vessel movements, and working hours (Request for Non-Material Change no. 1, 2 and 4) relate specifically to the WNDA Development which is assessed in volume D of the Environmental Statement (Table 2-1).

2.1.2 Thus, this section examines the potential effect of the proposed changes to the combined topic effects assessments presented within chapter C7 [APP-094] (project-wide effects) and D16 [APP-135] (WNDA Development) of the Environmental Statement.

Table 2-1 Summary matrix of the non-material change requests and the developments effected

Proposed non-material change	Project-wide effect (volume C)	WNDA Development (volume D)
Request for Non-Material Change no.1 – Blasting Strategy [AS-012]		X
Non-Material Change no.2 – Marine Vessel Movements [AS-013]		X
Request for Non-Material Change no.3 – Worker Shift Patterns	X	
Request for Non-Material Change no.4 – Working Hours		X
Request for Non-Material Change no.5 – HGV delivery window	X	

The proposed changes do not affect assessments of combined topic effects relating to the Off-Site Power Station Facilities: AECC ESL and MEEG (volume E), Park and Ride (volume F), A5025 Off-line Highway Improvements (volume G) and the Logistics Centre (volume H) as there is no pathway of effect to receptors considered within these assessments. Therefore, the assessment of combined topic effects for these developments remain as reported in chapters E12 [APP-250], F12 [APP-277], G12 [APP-315] and H12 [APP-366] of the Environmental Statement.

2.2 Project-wide combined topic effects

2.2.1 The project-wide combined topic effects assessment of each of the proposed changes to worker shift patterns and the HGV delivery window (Requests for Non-Material Change no. 3 and 5), concluded no change to the assessment and conclusions presented in chapter C7 [APP-094] of the Environmental Statement.

2.2.2 Considering these proposed changes together, it was identified that there could be effects to the following receptors via the traffic and transport, and public access and recreation project-wide topic assessments (see Table 2-2):

- Motorised and public transport users (traffic and transport);
- Recreational cyclists and walkers (public access and recreation); and
- Active travel cyclists and walkers (public access and recreation).

Table 2-2 Topic assessments and receptors potentially affected by the proposed changes to worker shift patterns and the HGV delivery window (adapted from appendix C7-1) [APP-118]

	Socio-economics	Traffic and transport	Public access and recreation	Air quality	Noise and vibration	Waster and materials management
Motorised and public transport users		Y				
Recreational cyclists and walkers			Y			
Active travel cyclists and walkers			Y			

2.2.3 As a consequence of the proposed changes to worker shift patterns and HGV delivery windows, no new receptors would be scoped into the project-wide combined topic effects assessment.

Traffic and transport

2.2.4 The proposed changes to worker shift patterns and the HGV delivery window (Requests for Non-Material Change no. 3 and 5) both have the potential to alter traffic flows, and in the case of Saturday morning HGV deliveries, introduce new construction-related traffic from that assessed within the Draft DCO application.

2.2.5 The traffic and transport assessment for the proposed changes to shift patterns (Request for Non-Material Change no. 3) and the HGV delivery window (Request for Non-Material Change no. 5) each concluded that there would be no new or different likely significant combined effects than those reported in chapter C7 [APP-094] of the Environmental Statement.

2.2.6 When considering these two proposed changes in combination, the only potential for a cumulative effect to occur is during the weekday evenings around the commencement of the evening night shift (i.e. 19:00) as HGV deliveries would continue past 19:00. There would be no overlap in the timing of worker shift patterns (which means workers arrive at the Wylfa Newydd Development Area before 08:00) and the HGV delivery window on Saturdays (which ensures there are no HGV movements before 08:00) and so any impacts of these proposed changes are considered independent of one another.

2.2.7 If HGV movements were to be introduced in the evenings, the number of HGV movements in the hour that overlaps with worker traffic movements associated with the proposed change to shift patterns would be small (an average of five HGVs per direction). Lower background traffic flows in the evening period mean that impacts should be less than those assessed during peak hours of traffic on the road network. Furthermore, in practice the proposed change would reduce peak hourly flows during the day as the same number of HGV deliveries would occur over a longer time period. Given the limited temporal overlap of the two proposed changes and the small vehicle numbers involved, there would be no new or different likely cumulative transport impacts.

2.2.8 Consequently, there is considered to be no change to the assessment of combined topic effects to motorised and public transport users presented within chapter C7 [APP-094] of the Environmental Statement. Thus, the conclusions remain as reported in the Draft DCO application.

Public access and recreation

2.2.9 The proposed changes to shift patterns and the HGV delivery window both have the potential to affect recreational amenity value as well as active travel for walkers and cyclists as a result of changes to, or increases in, traffic flows.

2.2.10 The proposed change to construction worker shift patterns (Request for Non-Material Change no. 3) is not anticipated to lead to any net increase or decrease in the number of vehicles entering or exiting the Park and Ride or using the A5025 to access the Wylfa Newydd Development Area. However, it would lead to minor changes to the peak flows, which would increase as a result of a reduction in the number of shifts. The assessment for the proposed change to construction worker shift patterns concluded that the change would not result in new or different likely significant environmental effects than those reported in the Environmental Statement.

2.2.11 The proposed change to the HGV delivery window (Request for Non-Material Change no. 5) found no new or different likely significant effects on public access, onshore recreation or active travel.

2.2.12 Consequently, there is considered to be no change to the assessment of combined topic effects to walkers and cyclists undertaking recreation or active travel presented within chapter C7 [APP-094)] of the Environmental Statement. Thus, the conclusions remain as reported in the Draft DCO application.

2.3 WNDA Development combined topic effects

2.3.1 The WNDA Development combined topic effects assessment for each of the proposed changes to the blasting strategy, marine vessel movements and working hours (Request for Non-Material Change no. 1, 2 and 4), concluded no change to the assessment and conclusions presented in chapter D16 [APP-135] of the Environmental Statement.

2.3.2 Considering these proposed changes together, it was identified that there could be a change to the WNDA Development combined topic assessment for the following receptors (which are already considered in chapter D16 [APP-135] of the Environmental Statement) via the air quality and noise and vibration topic assessments (Table 2-3):

- Human receptors:
  - i) residential receptors within 350m of the Wylfa Newydd Development Area.
- other receptors:
  - ii) bats; and
  - iii) marine mammals (pinnipeds and cetaceans).

2.3.3 As a consequence of the proposed changes to the blasting strategy, marine vessel movements and working hours, no new receptors would be scoped into the WNDA Development combined topic effects assessment.

Table 2-3 Topic assessments and receptors potentially affected by the proposed changes to the blasting strategy, marine vessel movements and working hours (denoted by 'Y') (adapted from appendix D16-1) [APP-236]

	Socio-economics	Public access and recreation	Air quality	Noise and vibration	Soils and geology	Surface water and groundwater	Terrestrial and freshwater ecology	Landscape and visual	Cultural heritage	Coastal processes and coastal geomorphology	Marine environment	Radiological effects	Shipping and navigation
Human receptors													
Residential receptors within 350m of the Wylfa Newydd Development Area			Y										
Other receptors													
Bats							Y						
Marine mammals (pinnipeds and cetaceans)											Y		

Human residential receptors

2.3.4 The proposed change to the blasting strategy, marine vessel movements, and working hours (Requests for Non-Material Change no. 1, 2 and 4) each have the potential to affect human residential receptors due to changes in noise and vibration effects. The proposed change to marine vessel movements and working hours also each have the potential to impact air quality. Those receptors potentially affected are likely to be located within 350m of the Wylfa Newydd Development Area, which includes the majority of Tregele, the western half of Cemaes (i.e. those properties or locations to the west of the High Street) and several other properties located around the Wylfa Newydd Development Area.

2.3.5 The combined topic assessment for each of the proposed changes to the blasting strategy, marine vessel movements and working hours (Requests for Non-Material Change no. 1, 2 and 4) each concluded no change to the assessment and conclusions presented in chapter D16 [APP-135] of the Environmental Statement. However, it is acknowledged that the proposed changes combined could result in an additive or combined effect which could lead to a change in the overall combined topic assessment for the WNDA Development.

2.3.6 The proposed change to marine vessel movements (Request for Non-Material Change no. 2) would result in a small increase in noise levels at 120 properties closest to the Wylda Newydd Development Area which would be undetectable to a person. As the proposed change to the blasting strategy (Request for Non-Material Change no. 1) would be subject to the noise and vibration control measures (including monitoring) set out in section 8 of the Main Power Station Site sub-CoCP and would include strict adherence to BS6472-2 [RD1], there would be no additive effect from these two proposed changes. This conclusion remains valid when the proposed change to working hours is also considered, on the basis that new and enhanced mitigation has been offered to address any new or different likely significant noise disturbance effects associated with this proposed change.

2.3.7 The proposed changes to marine vessel movements and working hours (Requests for Non-Material Change no. 2 and 4) are both predicted to result in small changes in predicted concentrations of pollutants at human receptor locations, with some properties experiencing an additive effect. The changes, however, would be small and are not considered to alter the conclusions of the combined topic effects assessment presented in D16 [APP-135] of the Environmental Statement.

2.3.8 Overall, any changes to noise and air quality effects arising from the proposed changes to the blasting strategy (Request for Non-Material Change no. 1) would not combine to result in a change to the assessment of combined topic effects presented within chapter D16 [APP-135] of the Environmental Statement. Thus, the conclusions remain as reported in the Draft DCO application

Other receptors

Bats

2.3.9 The proposed changes to the blasting strategy and working hours (Requests for Non-Material Change no. 1 and 4) both have the potential to affect bats via visual, noise and air quality disturbance effects as this crepuscular receptor is most active around dusk.

2.3.10 The terrestrial and freshwater ecology assessment for each of the proposed changes to the blasting strategy and working hours (Request for Non-Material Change no. 1 and 4) concluded that there would be no new or different likely significant combined effects than those reported in chapter D16 [APP-135] of the Environmental Statement.

2.3.11 Given the mitigating effects that the lower emitting plant, machinery and marine vessels would have for air quality, the neutral effect of environmental lighting and the very minor changes to peak noise levels predicted as a result of the proposed changes, it is not considered that these effects would combine to alter the assessment of combined topic effects to bats presented within chapter D16 [APP-135] of the Environmental Statement. Thus, the conclusions remain as reported in the Draft DCO application.

Marine mammals (pinnipeds and cetaceans)

2.3.12 The proposed changes to the marine vessel movements and working hours (Requests for Non-Material Change no. 2 and 4) both have the potential to affect marine mammals (pinnipeds and cetaceans) due to increases in underwater noise disturbance and the increased risk of vessel strikes associated with marine vessel movements.

2.3.13 The marine environment assessment for each of the proposed changes to the blasting strategy and working hours (Request for Non-Material Change no. 1 and 4) concluded that there would be no new or different likely significant combined effects than those reported in chapter D16 [APP-135] of the Environmental Statement.

2.3.14 Given that the assessment of underwater noise effects presented in chapter D13 [APP-132] of the Environmental Statement already takes into consideration 24-hr operations for marine dredging and that the overall number of vessel movements associated with the Wylfa Newydd DCO Project would be small, it is not considered that these effects would combine to alter the assessment of combined topic effects to marine mammals presented within chapter D16 [APP-135] of the Environmental Statement. Thus, the conclusions remain as reported in the Draft DCO application.

3 Intra-project cumulative effects

3.1.1 An intra-project cumulative assessment has been undertaken for those topic assessments outlined in the Environmental Statement that would be potentially affected by the non-material changes being sought in relation to the Draft DCO application. The methodology used for the cumulative effects assessment has considered all residual effects that are minor adverse or greater.

Traffic and transport

3.1.2 Of the five requests for non-material change, the proposed change to worker shift patterns and the HGV delivery window (Request for Non-Material Change no. 3 and 5) have implications to the traffic and transport assessment reported in the Draft DCO application. The potential effect of these proposed changes has already been assessed on a project-wide basis and is considered in section 2.2. Thus, there is no requirement to carry out an intra-project cumulative effects assessment for this topic.

Public access and recreation

3.1.3 Of the five requests for non-material change, the proposed changes to worker shift patterns and HGV delivery window (Request for Non-Material Change no. 3 and 5) have implications to the public access and recreation assessment reported in the Draft DCO application. The potential effect of these proposed changes has already been assessed on a project-wide basis and is considered in section 2.2. Thus, there is no requirement to carry out an intra-project cumulative effects assessment for this topic.

Air quality

3.1.4 Of the five requests for non-material change, the proposed changes to marine vessel movements, shift patterns, working hours and the HGV delivery window (Request for Non-Material Change no. 2, 3, 4 and 5) have implications for both the project-wide and WNDA Development assessments of air quality. As such, there is potential for intra-project additive cumulative effects due to emissions to air from sources within the Wylfa Newydd Development Area and emissions from road traffic associated with the Wylfa Newydd Project.

3.1.5 The air quality assessment for the proposed changes associated with the WNDA Development demonstrated that, with the use of newer, lower emitting plant, machinery and marine vessels, the majority of effects at human receptors would be negligible, and air quality effects as a consequence of the proposed change would be not significant.

3.1.6 The project-wide air quality assessments undertaken for the proposed changes to worker shift patterns and HGV delivery window (Request for Non-Material Change no. 3 and 5) stated that there would be no net increase or decrease in the total vehicle flows on the road network. The changes would result in some modifications to the time of day or night at which vehicles would arrive at and depart from the Wylfa Newydd Development Area during construction. The assessments for the proposed changes to worker shift

patterns and HGV delivery window (Request for Non-Material Change no. 3 and 5) indicated that predicted concentrations or deposition rates are unlikely to be any higher than those presented in chapter C4 [APP-091] of the Environmental Statement. The assessments concluded that the balance of air quality effects at human receptors would remain predominantly negligible with some beneficial effects due to the A5025 Offline Highway Improvements.

3.1.7 Consequently, further consideration of the potential additive effects to air quality as a consequence of the proposed changes to worker shift patterns and HGV delivery window individually (Request for Non-Material Change no. 3 and 5) concluded no change to the intra-project cumulative assessment reported in the Draft DCO application.

3.1.8 Air quality effects are local in scale; most air quality assessment methodologies in the UK only consider receptors within 200m of the road network when assessing emissions from road traffic and the largest effects are within very close proximity to the affected roads. Therefore, at most air quality sensitive receptors, the physical distance of the proposed changes listed associated with project-wide activities and those occurring at the WNDA Development would prevent intra-project cumulative air quality effects occurring.

3.1.9 There would be some receptors, particularly those close to the A5025 in the vicinity of the Wylfa Newydd Development Area, where there is the potential for additive effects. The predicted changes in annual mean and short-term (i.e. 99.8th percentile of one-hour mean) concentrations of NO_2 for the year 2 peak earthworks and Marine Works scenario, which includes the proposed changes to marine vessel movements (Request for Non-Material Change no. 2) and working hours (Request for Non-Material Change no. 4), are shown below in Table 3-1 and 0, respectively. The results are presented for those key human receptors which are in close proximity to both the Wylfa Newydd Development Area and the A5025. The predicted changes in annual mean and short-term concentrations of NO_2 for the year 5 peak construction scenario are shown below in Table 3-3 and 0, respectively.

3.1.10 The concentrations of PM_{10} and $PM_{2.5}$ due to the cumulative intra-project effects are not altered from those presented in the Air Quality Mitigation Quantification report submitted to the Examining Authority at Deadline 3 (18 December 2018) [REP3-052] and are not repeated below. The effect descriptors were negligible at all human receptors.

3.1.11 The concentrations of oxides of nitrogen and nitrogen and acid deposition rates at the three ecological receptors (Afon Wygyr Wildlife Site, Ancient Woodland (26051) and Ancient Woodland (26076)) remain well below the criteria for requiring further consideration in the terrestrial and freshwater ecology assessment. The likely additive effects at Afon Wygyr Wildlife Site and Ancient Woodland sites (26051 and 26076) would be negligible and not significant (i.e. no further consideration needs to be given to the significance of in-combination effects at these sites).

3.1.12 The proposed changes are not considered to alter the overall intra-project cumulative effects reported in the Air Quality Mitigation Quantification report submitted to the Examining Authority at Deadline 3 (18 December 2018)

[REP3-052]. Thus, the conclusions remain as reported and the significance of the residual air quality effects at human receptors is concluded to be not significant. For those ecological receptors where an additive cumulative effect is possible, the residual air quality effects are also not significant.

Table 3-1 Peak earthworks and Marine Works (year 2) – predicted intra-project additive annual mean air pollutant concentrations at key human receptors

Receptor	Total concentration for future baseline	Total intra-project additive concentration for future with Wylfa Newydd Project (all proposed changes)	Magnitude of change as percentage of AQO value[1,2]
	NO_2 (µg/m^3)	NO_2 (µg/m^3)	NO_2 (AQO = 40µg/m^3)
R4	10.4	12.7	+6% (s)
R5	7.5	11.0	+9% (s)
R6	8.4	13.4	+13% (m)
R7	6.1	12.0	+15% (m)
R8	5.1	6.7	+4% (n)

Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value.

Note 2: Descriptors of effects at individual receptors in parentheses as per table B5-15 of chapter B5 [APP-070]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.

Table 3-2 Peak earthworks and Marine Works (year 2) – predicted intra-project additive short-term air pollutant concentrations at key human receptors

Receptor	Total concentration for future baseline	Total intra-project additive concentration for future with Wylfa Newydd Project	Magnitude of change as percentage of AQO value[1,2]
	1-hour NO_2 (µg/m^3)	1-hour NO_2 (µg/m^3)	1-hour NO_2 (AQO = 200µg/m^3)
R4	20.7	41.0	+10% (n)
R5	14.9	43.1	+14% (s)
R6	16.7	57.7	+20% (s)
R7	12.2	58.3	+23% (m)
R8	10.3	27.4	+9% (n)

Receptor	Total concentration for future baseline	Total intra-project additive concentration for future with Wylfa Newydd Project	Magnitude of change as percentage of AQO value[1,2]
	1-hour NO_2 ($\mu g/m^3$)	1-hour NO_2 ($\mu g/m^3$)	1-hour NO_2 (AQO = 200$\mu g/m^3$)
Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value. Note 2: Descriptors of effects at individual receptors in parentheses as per table B5-16 of chapter B5 [APP-070]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.			

Table 3-3 Peak construction (year 5) – predicted intra-project additive annual mean air pollutant concentrations at key human receptors

Receptor	Total concentration for future baseline	Total intra-project additive concentration for future with Wylfa Newydd Project (all proposed changes)	Magnitude of change as percentage of AQO value[1,2]
	NO_2 ($\mu g/m^3$)	NO_2 ($\mu g/m^3$)	NO_2 (AQO = 40$\mu g/m^3$)
R4	9.7	11.4	+4% (n)
R5	7.1	9.1	+5% (n)
R6	7.8	10.9	+8% (s)
R7	5.8	8.6	+7% (s)
R8	5.0	6.2	+3% (n)
Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value. Note 2: Descriptors of effects at individual receptors in parentheses as per table B5-15 of chapter B5 [APP-070]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.			

Table 3-4 Peak construction (year 5) – predicted intra-project additive short-term air pollutant concentrations at key human receptors

Receptor	Total concentration for future baseline	Total intra-project additive concentration for future with Wylfa Newydd Project	Magnitude of change as percentage of AQO value[1,2]
	1-hour NO_2 ($\mu g/m^3$)	1-hour NO_2 ($\mu g/m^3$)	1-hour NO_2 (AQO = 200$\mu g/m^3$)
R4	19.4	28.9	+5% (n)

Receptor	Total concentration for future baseline	Total intra-project additive concentration for future with Wylfa Newydd Project	Magnitude of change as percentage of AQO value[1,2]
	1-hour NO_2 ($\mu g/m^3$)	1-hour NO_2 ($\mu g/m^3$)	1-hour NO_2 (AQO = 200$\mu g/m^3$)
R5	14.1	29.2	+8% (n)
R6	15.6	33.0	+9% (n)
R7	11.6	28.5	+8% (n)
R8	9.9	21.0	+6% (n)
Note 1: Impact magnitude rounded to whole numbers and reported as a percentage of the respective AQO value. Note 2: Descriptors of effects at individual receptors in parentheses as per table B5-16 of chapter B5 [APP-070]: 'n' is negligible, 's' is small, 'm' is medium and 'l' is large.			

Noise and vibration

3.1.13 The proposed changes to the blasting strategy, marine vessel movements and shift patterns (Request for Non-Material Change no. 1, 2 and 3) have been shown not to result in any changes to noise effects, therefore these are not considered further.

3.1.14 The proposed changes to working hours and the HGV delivery window (Request for Non-Material Change no. 4 and 5) have implications for both the project-wide and WNDA Development assessments of noise effects. There is potential for intra-project additive cumulative effects due to increased evening and night-time noise levels from sources within the Wylfa Newydd Development Area and from road traffic associated with the Wylfa Newydd DCO Project.

3.1.15 Considering both 2020 (representative of early construction) and 2023 (representative of peak construction), the proposed change to the HGV delivery window (Request for Non-Material Change no. 5) was found to potentially result in adverse effects at an additional 18 residential properties compared to the Draft DCO application and in the absence of mitigation. These effects are predicted to occur at Cefn Coch, Kingsland, Llanfaethlu, Llangynghenedl as well as outlying receptors at Llanfaethlu and Llanfachraeth.

3.1.16 The proposed change to working hours was also found to potentially result in a small number of additional significant effects at residential receptors located predominately over 1km from the Wylfa Newydd Development Area. A large number of residential receptors with effects assessed as being of major adverse significant effects in the Draft DCO application would be reduced to moderate adverse significant effects. This would be a benefit from the proposed change to working hours; these are located in Cemaes.

3.1.17 There is very little overlap between the residential properties affected by the proposed changes to the HGV delivery window and working hours. This is principally because these two non-material change requests relate to aspects of the Wylfa Newydd DCO Project that are spatially segregated. Noise effects are local in scale; most noise assessment methodologies in the UK only consider receptors within 600m of the development scheme. Therefore, at most noise sensitive receptors, the physical distance of the proposed changes would prevent cumulative noise effects from one group at the other group. However, there is potential for some properties which are both adjacent to the Main Site and adjacent to the A5025, and at which cumulative adverse effects could occur.

3.1.18 With consideration of the enhanced mitigation outlined in paragraph 1.3.3, the proposed changes to working hours and the HGV delivery window are not considered to result in any new intra-project effects with respect to increased noise levels from the effects of traffic and elevated noise levels during construction. Thus, the intra-project cumulative effects for this topic remain as reported in chapter I4 [APP-387] of the Environmental Statement.

Terrestrial and freshwater ecology

3.1.19 The only potential effects considered of minor or greater significance relate to the WNDA Development. As shown in section 2.3, the proposed changes to the blasting strategy, marine vessel movements and working hours (Request for Non-Material Change no. 1, 2 and 4) have no effect on this assessment and therefore there are no changes to the intra-project cumulative effects reported in chapter I4 [APP-387] of the Environmental Statement.

The marine environment

3.1.20 The only potential effects on the marine environment as a result of the proposed change to marine vessel movements and working hours (Request for Non-Material Change no. 2 and 4) relate to the WNDA Development (see section 2.3); hence, there are no intra-project cumulative effects to report for this topic.

4 Inter-project cumulative effects

4.1.1 An inter-project cumulative assessment has been undertaken for those topic assessments outlined in the Environmental Statement which are potentially affected by the non-material changes being sought in relation to the Draft DCO application. These are:

- public access and recreation which is potentially affected by the proposed change to worker shift patterns and the HGV delivery window (Request for Non-Material Change no. 3 and 5);
- air quality which is potentially affected by the proposed change to marine vessel movements and working hours (Request for Non-Material Change no. 2 and 4); and
- noise and vibration which are potentially affected by the proposed change to the blasting strategy, marine vessel movements, working hours and the HGV delivery window (Request for Non-Material Change no. 1, 2, 4 and 5).

4.1.2 For the traffic and transport assessment, projects considered to have cumulative effects have been included in the traffic model for the Wylfa Newydd DCO Project and therefore form part of the assessment of effects that is represented in volume C of the Environmental Statement and considered in section 2.2 of this document.

4.1.3 The list of Reasonably Foreseeable Future Projects (RFFPs) that have been considered within the inter-project cumulative assessment is shown in appendix I2-2 (Matrix of receptors affected by the Wylfa Newydd Project and which short-listed projects could affect them) [APP-390]. There is no requirement to scope in any additional RFFPs as a consequence of the proposed changes.

Public access and recreation

4.1.4 In order for there to be a potential change to the inter-project cumulative effects assessment for this topic, there would need to be a change to at least one of the residual effects of the Wylfa Newydd DCO Project, whether an individual effect, a combined topic effect or an intra-project effect.

Contributing individual effects

4.1.5 As noted in section 2.2 above, the public access and recreation assessment for the proposed changes to worker shift patterns (Request for Non-Material Change no. 3) and the HGV delivery window (Request for Non-Material Change no. 5) each concluded that, with consideration of existing embedded and additional mitigation measures already secured in the Draft DCO application, there would be no new or different likely significant combined effects than those reported in chapter C7 [APP-094] of the Environmental Statement.

Contributing combined topic effects

4.1.6 As also noted in section 2.2 above there is considered to be no change to the assessment of combined topic effects to walkers and cyclists undertaking recreation or active travel presented within chapter C7 [APP-094] of the Environmental Statement.

Contributing intra-project cumulative effects

4.1.7 Also, as noted in section 3 above, the proposed changes would have no effect on the intra-project cumulative effects.

Resulting inter-project cumulative effects

4.1.8 As the residual effects for this topic remain as they were reported in the Environmental Statement, there are no amended effects to input to an updated inter-project cumulative effects assessment. Therefore, for this topic, the inter-project cumulative effects remain as reported in chapter I5 the Environmental Statement.

Air quality

4.1.9 In order for there to be a potential change to the inter-project cumulative effects assessment for this topic, there would need to be a change to at least one of the residual effects of the Wylfa Newydd DCO Project, whether an individual effect, a combined topic effect or an intra-project effect.

Contributing individual effects

4.1.10 As noted in section 2.3 above, the proposed changes to marine vessel movements and working hours (Requests for Non-Material Change no. 2 and 4) are both predicted to result in small changes in predicted concentrations of pollutants at some human receptor locations.

4.1.11 As explained in section 3 above, the majority of effects of the proposed changes associated with the WNDA Development at human receptors would be negligible. Air quality effects as a consequence of the proposed changes would be not significant.

4.1.12 Also noted in section 3 above, the project-wide air quality assessment found that the balance of air quality effects at human receptors would remain predominantly negligible with some beneficial effects due to the A5025 Offline Highway Improvements.

Contributing combined topic effects

4.1.13 As reported in section 2.3 above, the proposed changes are not considered to alter the conclusions of the combined topic effects assessment presented in D16 [APP-135] of the Environmental Statement.

Contributing intra-project cumulative effects

4.1.14 As explained in section 3 above, the proposed changes are not considered to alter the intra-project cumulative effects reported in chapter I4 [APP-387] of

the Environmental Statement. Thus, the conclusions remain as reported in the Draft DCO application.

Resulting inter-project cumulative effects

4.1.15 As the residual effects identified above for this topic would not be significantly different from those reported in the Environmental Statement, the inputs to the inter-project cumulative effects assessment remain unchanged. Therefore, for this topic, the inter-project cumulative effects remain as reported in chapter I5 [APP-388] of the Environmental Statement.

Noise and vibration

4.1.16 In order for there to be a potential change to the inter-project cumulative effects assessment for this topic, there would need to be a change to at least one of the residual effects of the Wylfa Newydd DCO Project, whether an individual effect, a combined topic effect or an intra-project effect.

Contributing individual effects

4.1.17 All blasting would continue to be subject to the noise and vibration control measures (including monitoring) set out in section 8 of the Main Power Station Site sub-CoCP to reduce potential disturbance effects to human and ecological receptors. All blasting methods would therefore be designed to prevent undue disturbance at residential dwellings, education facilities, bat roosts and barn owl roosts.

4.1.18 The proposed change to marine vessel movements would result in a small increase in noise levels at 120 properties closest to the Wylfa Newydd Development Area, which would be undetectable to a person.

4.1.19 The noise and vibration assessment for the proposed change in worker hours concluded there would be no new or different likely significant environmental effects other than those reported in the Environmental Statement, with a greater number of residential receptors benefiting from being eligible for noise insulation.

4.1.20 In relation to the proposed change to the HGV delivery window, the noise and vibration assessment concluded that the proposed change would not introduce any new or different likely significant environmental effects other than those reported in the Environmental Statement and a greater number of residential receptors would benefit from being eligible for noise insulation (an updated LNMS was submitted at Deadline 3 (18 December 2018) [REP3-050]).

Contributing combined topic effects

4.1.21 As none of the changes would lead to significant changes to the individual noise and vibration effects reported in the Environmental Statement, there is no potential for more significant combined topic effects.

Contributing intra-project effects

4.1.22 As explained in Section 3 above, the intra-project cumulative effects for this topic remain as reported in chapter I4 [APP-387] of the Environmental Statement

Resulting inter-project cumulative effects

4.1.23 As the residual effects identified above for this topic would not be significantly different from those reported in the Environmental Statement, the inputs to the inter-project cumulative effects assessment remain unchanged. Therefore, for this topic, the inter-project cumulative effects remain as reported in chapter I5 the Environmental Statement.

5 Health impacts

5.1.1 The Health Impact Assessment Report [APP-429] could potentially be affected by the proposed changes to the blasting strategy, worker shift patterns, working hours and HGV delivery (Request for Non-Material Change no. 1, 3, 4 and 5). The proposed change to the marine vessel movements (Request for Non-Material Change no. 2) will have no impact on human health.

5.1.2 The general influences relevant to population health that arise from the proposed changes are summarised in Table 5-1. The table shows the potential effects against the relevant geographical population groups as used in the Health Impact Assessment Report [APP-429].

5.1.3 The effects are summarised as follows:

- For the population near the Wylfa Newydd Development Area the proposed change to the blasting strategy and workings hours (Request for Non-Material Change no. 1 and 4) are the relevant sources of potential cumulative effects.
- For the population near the local road network (A5025, A55, A5 and A487) the proposed change to the HGV delivery window and worker shift patterns are the relevant sources of potential cumulative effects.

5.1.4 The proposed change to marine vessel movements (Request for Non-Material Change no. 2) is not considered to impact the assessment of effects to human health reported in the Health Impact assessment Report [APP-429].

5.1.5 In both cases similar potentially vulnerable groups are relevant (children and young people; older people; and people with existing poor health). Where groups overlap, there may be increased vulnerability.

5.1.6 For the population near the Wylfa Newydd Development Area, the proposed changes that affect the same determinant of health relate to noise disturbance in the evening period from both blasting and construction related activities (including general earthworks close to communities). Other changes from the effects discussed in the Draft DCO application Health Impact Assessment table I-2 that combine to influence the health of this population include: increased night-time noise and reduced nitrogen dioxide concentrations.

5.1.7 As appropriate new and enhanced mitigation is proposed (see paragraph 1.3.3), the overall effect for population health, taking account of the range of small residual beneficial and adverse changes across vulnerable groups, is not expected to alter the Health Impact Assessment conclusion that near the Wylfa Newydd Development Area the overall residual population health effect is considered to be up to minor adverse for the general population and up to moderate adverse for relevant vulnerable groups. The largest change relates to the air quality commitments to improved emission standards. Whilst beneficial, the change in this one determinant of health is unlikely to change the overall cumulative score, which takes account of a range of other health determinants.

5.1.8 For the population near the local road network (A5025, A55, A5 and A487), the proposed changes that affect the same determinants of health relate to

more noise disturbance in the evening period from both HGVs and from vehicles associated with worker shift changes. The combination of morning noise due to shift changes (06:00 or 05:30) and evening noise due to HGV movements (19:00 to 23:00) would also reduce the period when Project related transport would not contribute to potential sleep disturbance. Changes to the times at which these two categories of Project vehicle would be using the local road network may also contribute to both beneficial and adverse influences on road safety. Other changes from the effects discussed in the Draft DCO application Health Impact Assessment (table I-2) that combine to influence the health of this population include: reduced night-time noise (there being no night-shifts ending between 03:00 and 04:00); reduced potential for health-trip journey time delays (e.g. to a hospital); and the potential for weekend HGV movements to reduce amenity and discourage physical activity.

5.1.9 As appropriate new and enhanced mitigation is proposed, the overall effect for population health, taking account of the range of small residual beneficial and adverse changes across vulnerable groups, is not expected to alter the Health Impact Assessment conclusion that near the local road network the overall residual population health effect is considered to be negligible for the general population and up to minor adverse for relevant vulnerable groups. Thus, the conclusions remain as reported in the Draft DCO application.

Table 5-1 Health analysis cumulative assessment

	Relevant geographical population groups	
	Population near the Wylfa Newydd Development Area	**Population near the local road network**
Changes to working hours		
Air quality	Less potential for adverse effects from air pollution due to commitment to higher emission standards.	N/A
Lighting	No changes to community identity or sleep disturbance expected.	N/A
Changes to the HGV delivery window		
Air quality	N/A	No change to air quality from redistribution of vehicle times.
Traffic	N/A	More potential for accident risk during the weekend, as more pedestrians and cyclists. Less potential for journey delays as more use of off-peak times.
Changes to worker shift patterns		
Air quality	N/A	No change to air quality from redistribution of vehicle times.
Traffic	N/A	Less potential for accident risk as less overlap with school travel. Less potential for journey delays.
Construction workers	N/A	No change to community interaction with workforce.

6 Shadow Habitats Regulations Assessment

6.1.1 It was identified that the Shadow Habitats Regulations Assessment [APP-050/051] could potentially be affected by the proposed changes to the blasting strategy, marine vessel movements and working hours (Request for Non-Material Change no. 1, 2 and 4).

6.1.2 Assessments of each of these proposed changes concluded no new or different likely significant (alone or in-combination) effects to that reported in the Shadow Habitats Regulations Assessment [APP-050/051]. Consequently, there is not considered to be any new or likely significant (alone or in-combination) effects from the three changes being sought in relation to the Wylfa Newydd DCO Project (i.e. blasting strategy, marine vessel movements and working hours, Request for Non-Material Change no. 1, 2 and 4). Thus, the conclusions remain as reported in the Draft DCO application.

7 Schedule of consequential amendments to application documents

Table 7-1 Schedule of consequential amendments to application documents

Application document name	Examination Reference Number	Section of document	Version to be amended	Description of amendment
Environmental Statement chapter I4: Intra-project cumulative effects	APP-387	4.2	1.0	Update to air quality and noise modelling results
Environmental Statement appendix I4-2: Project-wide and WNDA development intra-project air quality assessment	APP-393	5	1.0	Update to air quality modelling results
Environmental statement appendix I4-3: Intra-project cumulative noise effects	APP-394	1.2	1.0	Update to noise modelling results

8 References

Table 8-1 Schedule of references

ID	Reference
RD1	British Standards Institution. 2008. BS 6472-2 Guide to Evaluation of human exposure to vibration in buildings. Blast-induced vibration. London: British Standards Institution.

Appendix 1-2 Further before and after extracts

Figure 3-1 Figure D5-5 as submitted in the Draft DCO application

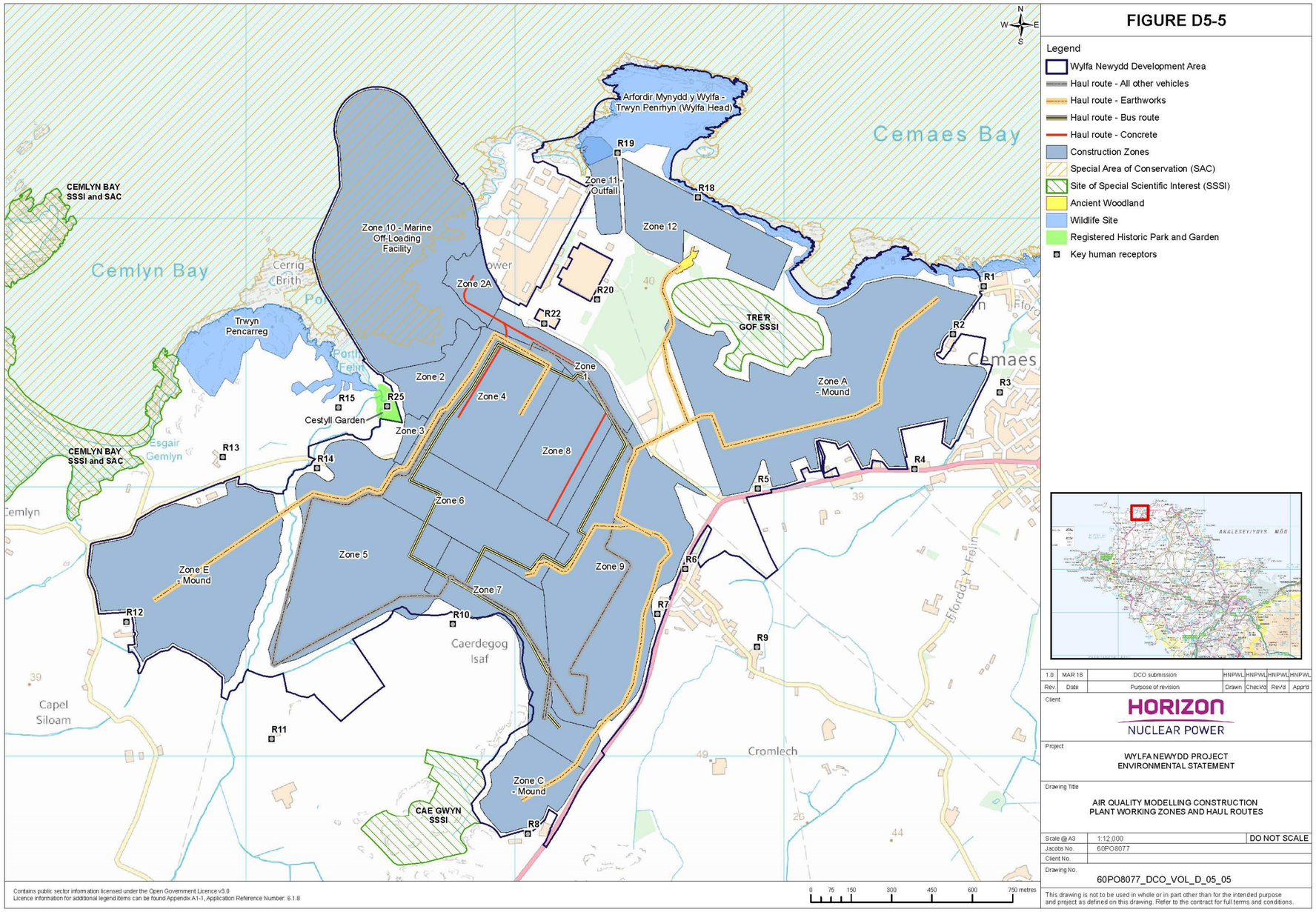
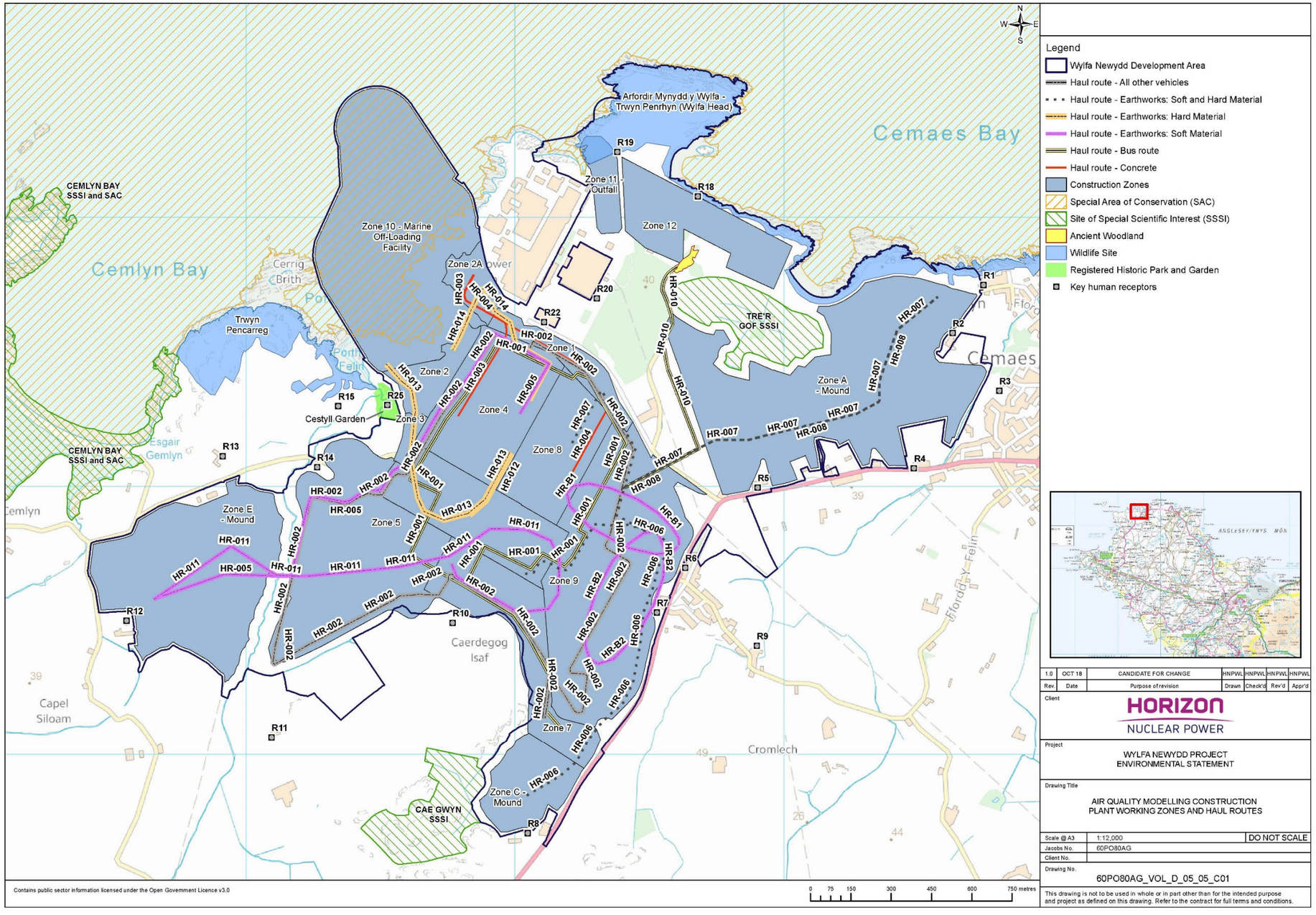


Figure 3-2 Amended figure D5-5 as a result of the proposed change



Appendix 1-3 Copies of "Consultation Update"

[This page is intentionally blank]

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

YNNI YN GWEITHIO I BRYDAIN

Y Diweddaraf am yr Ymgynghoriad

Tachwedd 2018

Ymgynghori ynghylch newidiadau ansylweddol i'n cais am Orchymyn Cydsyniad Datblygu

Ym mis Mehefin 2018, fe wnaethon ni gyflwyno ein cais am Orchymyn Cydsyniad Datblygu i adeiladu a gweithredu Wylfa Newydd, sef gorsaf bŵer niwclear newydd ar Ynys Môn. Ers hynny, rydyn ni wedi dangos y bydd angen diwygio tri gweithgaredd adeiladu, sef patrymau shifftiau gweithwyr, oriau gwaith, a symudiadau Cerbydau Nwyddau Trwm.

Er nad oes disgwyl i'r newidiadau hyn greu unrhyw effeithiau amgylcheddol sylweddol newydd yn wahanol i'r rhai sydd wedi'u cyflwyno yn ein cais am Orchymyn Cydsyniad Datblygu, hoffem glywed eich barn chi amdanynt.

Patrymau shifftiau gweithwyr

Yn ystod y gwaith o adeiladu Gorsaf Bŵer arfaethedig Wylfa Newydd, bydd angen shifftiau dydd a shifftiau nos ar gyfer gweithwyr er mwyn cyflawni rhaglen adeiladu'r Prosiect.

Yn ôl dadansoddiad diweddar, mae'r amseroedd shifftiau yn ein cais yn arwain at orgyffwrdd rhwng shifftiau dydd a shifftiau nos, felly mae rhan o bob shifft yn anghynhyrchiol. Felly rydyn ni'n cynnig rhai newidiadau i'r rhain i wneud y rhaglen yn fwy effeithlon a chydnerth, tra'n parhau i osgoi effeithiau niweidiol ar Bont Britannia a thraffig oriau brig.

Dyma'r patrymau shifftiau newydd arfaethedig:

- ym mlynyddoedd cynnar y gwaith adeiladu, dwy shifft yn dechrau ar amseroedd gwahanol yn y dydd ac un shifft nos.
- dros flynyddoedd y prif waith adeiladu, tair shifft yn dechrau ar amseroedd gwahanol yn y dydd a dwy shifft yn dechrau ar amseroedd gwahanol yn y nos.
- newidiadau i amseroedd cychwyn y shifftiau, ac i'w hyd.

Dweud eich dweud

Mae'n bwysig iawn eich bod yn dweud eich dweud am y newidiadau arfaethedig hyn. Rhowch eich barn drwy anfon neges e-bost neu lythyr **erbyn 6 Rhagfyr 2018** - mae ein manylion ar gefn y cylchlythyr hwn.

I'ch helpu, rydyn ni wedi creu taflenni gwybodaeth sy'n rhoi crynodeb o bob un o'r tri newid arfaethedig. Gallwch ddarllen y rhain, ynghyd â'r dogfennau technegol ar-lein, yn:
www.horizonnuclearpower.com/ymgynghoriad

Bydd tîm technegol bach yn bresennol hefyd yng Nghymhorthfa Agored nesaf Horizon ar 19 Tachwedd yn Neuadd Bentref Cemaes rhwng 1pm a 7pm os hoffech drafod y cynigion hyn ymhellach.

Oriau Gwaith

Mae ein cais am Orchymyn Cydsyniad Datblygu yn nodi'r dyddiau a'r adegau pan fyddai'n bosibl gwneud gweithgareddau ar y safle. Mewn llawer o feysydd gwaith, rhaid gallu gweithio 24 awr 7 diwrnod yr wythnos er mwyn cynnal amserlen adeiladu hyfyw. Nodir yr eithriadau i hyn, a bydd rhai gweithrediadau'n cael eu cynnal rhwng 7am a 7pm yn unig.

Ein cynnig yw newid y rhestr o weithgareddau sy'n cael eu cyflawni rhwng 7pm a 7am, i gynyddu nifer y gweithgareddau a ganiateir bob awr o'r dydd a'r nos.

Er mwyn i ni allu manteisio'n llawn ar y ffenestr waith arfaethedig heb greu effeithiau amgylcheddol tebygol newydd neu wahanol o bwys, bydd angen hefyd inni wneud mân newidiadau i rai o'r dulliau adeiladu, megis cyfyngu ar ba gyfarpar y caniateir ei ddefnyddio, ble a phryd.

Bydd y newidiadau hyn yn rhoi rhagor o hyblygrwydd a chydnerthedd yn y rhaglen, a byddant yn gwella'r diogelwch i weithwyr.

Symudiadau Cerbydau Nwyddau Trwm

Yn ystod y gwaith adeiladu, bydd Cerbydau Nwyddau Trwm yn cael eu defnyddio i gludo rhai deunyddiau ac offer i'r safle. Mae'r Gorchymyn Cydsyniad Datblygu yn cynnig y bydd y rhan fwyaf o'r siwrneiau danfon yn digwydd rhwng 7am a 7pm o ddydd Llun i ddydd Gwener.

Rydyn ni nawr yn cynnig ymestyn y ffenestr ar gyfer siwrneiau danfon gan gerbydau nwyddau trwm i'r adeg rhwng 7am ac 11pm, a chynnwys bore Sul rhwng 8am ac 1pm.

Rydyn ni hefyd yn cynnig peidio â chaniatau mwy nag 20 o siwrneiau danfon gan gerbydau nwyddau trwm rhwng 7pm ac 11 pm o ddydd Llun i ddydd Gwener, a dim mwy na 50 o siwrneiau danfon gan gerbydau nwyddau trwm ar fore Sul.

Byddai'r nifer uchaf o siwrneiau danfon gan gerbydau nwyddau trwm bob dydd yn aros yr un fath â'r hyn a nodir yn ein cais am Orchymyn Cydsyniad Datblygu – dim ond y ffenestr danfon fyddai'n newid. Bydd hyn yn caniatáu inni ymdopi'n well â digwyddiadau annisgwyl fel tywydd garw sy'n effeithio ar ddanfon nwyddau dros y môr, gan wneud yn siŵr nad yw hyn yn effeithio'n ormodol ar gymunedau a llif y traffig yn lleol.

Rheoli unrhyw effeithiau o ganlyniad i'r newidiadau hyn

Yn ein dogfennau technegol, mae mesurau ychwanegol i leihau unrhyw effeithiau o ganlyniad i'r newidiadau. Gyda'r rhain, rydyn ni'n rhagweld na fydd unrhyw effeithiau tebygol newydd neu wahanol o bwys yn digwydd o ganlyniad i'r tri newid yma, boed ar eu pen eu hunain neu gyda'i gilydd. Ni fyddai'r newidiadau arfaethedig yn effeithio ar unrhyw un o'r asesiadau eraill a gyflwynwyd fel rhan o'r cais am Orchymyn Cydsyniad Datblygu.

Caiff y newidiadau arfaethedig eu hegluro'n fanylach yn y dogfennau technegol sydd ar gael fel rhan o'n hymgynghoriad.

Rhowch eich barn ar y cynigion hyn drwy ysgrifennu atom drwy'r cyfeiriad e-bost neu Radbost isod erbyn 6 Rhagfyr. Ac os hoffech chi wybod am unrhyw agwedd arall ar Brosiect Wylfa Newydd, mae croeso i chi anfon neges e-bost atom neu ein ffonio.

[redacted]

Richard Foxhall, Rheolwr Materion Allanol Cymru

Beth yw 'DCO'?

Gelwir prosiectau mawr fel Wylfa Newydd yn Brosiectau Seilwaith o Arwyddocâd Cenedlaethol. Mae angen Gorchymyn Cydsyniad Datblygu, a Llywodraeth y Deyrnas Unedig sy'n penderfynu a ddylid caniatáu'r cais ai peidio. Rydyn ni wedi gwneud cais am Orchymyn Cydsyniad Datblygu i Ysgrifennydd Gwladol y Deyrnas Unedig dros Fusnes, Ynni a Strategaeth Ddiwydiannol.

Mae Arolygwyr Cynllunio penodedig wrthi'n edrych arno.

I gael rhagor o wybodaeth am y broses hon gallwch chi gysylltu â'r Arolygiaeth Gynllunio yn: https://infrastructure.planninginspectorate.gov.uk/, e-bost Wylfa@pins.gsi.gov.uk neu ffonio 0303 444 5000.

Cysylltu â ni

ymholiadauwylfa@horizonnuclearpower.com
0800 954 9516
@HorizonNuclear
www.horizonnuclearpower.com/hafan
Freepost WYLFA NEWYDD
horizonnuclear

Mae Horizon yn mynd ati o'i wirfodd i ddarparu cylchlythyrau i roi'r wybodaeth ddiweddaraf i'r gymuned am ddatblygiad y prosiect. Bydd unrhyw ddata personol a roddwch yn cael eu defnyddio ar gyfer hyn yn unig. Efallai y byddwn ni'n rhoi eich enw a'ch manylion cyswllt i drydydd partïon sy'n argraffu ac yn dosbarthu'r cylchlythyr hwn. Ond ni fyddwn yn defnyddio nac yn rhannu'r data mewn unrhyw ffordd arall. Rydyn ni o ddifri am ddiogelu data. Os hoffech chi gael mwy o wybodaeth am y data sydd gennym amdanoch chi, sut rydyn ni'n eu defnyddio, sut rydyn ni'n eu cadw'n ddiogel a sut i'w cywiro neu eu dileu, cysylltwch â ni: **dataprivacy@horizonnuclearpower.com**

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

WYLFA NEWYDD

ENERGY WORKING FOR BRITAIN

Consultation Update

November 2018

Consulting on non-material changes to our DCO application

In June 2018, we submitted our application for a Development Consent Order (DCO) to build and operate Wylfa Newydd, a new nuclear power station on Anglesey. Since then, we've identified a need to amend three construction activities: worker shift patterns, working hours, and Heavy Goods Vehicles (HGV) movements.

While these changes are not expected to create any new significant environmental effects from those presented in our DCO application, we want to hear what you think about them.

Worker shift patterns

During construction of the proposed Wylfa Newydd Power Station, we'll need day and night shifts for workers to meet the Project construction programme.

New analysis has shown that the shift times in our application result in an overlap between day and night shifts, making a part of each shift unproductive. So we are proposing some changes to these to make the programme more efficient and resilient, while continuing to avoid adverse effects on Britannia Bridge and peak time traffic.

The proposed new shift patterns are:

- in the early years of construction, two staggered day shifts and one night shift
- during peak construction years, three staggered day shifts and two staggered night shifts
- changes to shift start times and shift duration.

Have your say

It's really important that you have your say on these proposed changes. Please give us your views by emailing or writing to us **by 6 December 2018,** using the details on the back of this newsletter.

To help you, we've produced information sheets that summarise each of the three proposed changes. You can read these, together with detailed technical documents, online at: www.horizonnuclearpower.com/consultation

A small technical team will also be present at the next Horizon Open Surgery on 19 November at Cemaes Village Hall between 1pm and 7pm if you would like to discuss these proposals further.

Working hours

Our DCO application sets out the days and times when site activities may be undertaken. In many areas of activity, 24-hour 7-days per week working is necessary to maintain a viable construction schedule. Exceptions to this are specified, with certain operations undertaken only from 7am to 7pm.

We are proposing to amend the list of activities carried out from 7pm to 7am, to increase the range of activities allowed on a 24/7 basis.

To allow us to make full use of the proposed extended working window without creating new or different likely significant environmental effects, we will also need to make minor changes to some construction methods, such as constraints on what equipment can be used where and when.

These changes will give greater flexibility and resilience in the programme, as well as improving worker safety.

HGV movements

During construction, Heavy Goods Vehicles (HGVs) will be used to transport some materials and equipment to site. The DCO proposes that the majority of deliveries happen between 7am and 7pm, Monday to Friday.

We are now proposing to extend the weekday HGV delivery window to between 7am and 11pm and to include Saturday mornings between 8am and 1pm.

We're also proposing that no more than 20 HGV deliveries would be allowed between 7pm and 11pm weekdays, and no more than 50 HGV deliveries would be allowed on Saturday mornings.

The peak number of HGV deliveries per day would stay the same as specified in our DCO application – it is only the delivery window that would change. This will allow us to better manage unexpected events, such as bad weather affecting delivery by sea, while making sure that local traffic flows and communities are not unduly affected.

Managing any effects of these changes

Additional measures to reduce any effects of these changes are set out in our technical documents. With these, we predict that no new or different likely significant environmental effects will occur as a result of these three changes, alone or in combination. All other assessments submitted as part of the DCO application would remain unaffected by the proposed changes.

The proposed changes are explained in more detail in the technical documents available as part of our consultation.

Please let us know your views on these proposals by writing to us via our Freepost or email addresses below by 6 December.

And if you'd like to know about any other aspect of the Wylfa Newydd Project, please feel free to contact us.

[redacted]

Richard Foxhall, External Affairs Manager Wales

What is a 'DCO'?

Large projects such as Wylfa Newydd are known as Nationally Significant Infrastructure Projects (NSIPs).

They require a Development Consent Order (DCO) that is determined by UK Government. We have applied for a DCO from the UK Secretary of State for Business, Energy and Industrial Strategy.

This is now being examined by appointed Planning Inspectors.

For more information on this process you can contact the Planning Inspectorate at: https://infrastructure.planninginspectorate.gov.uk/, email Wylfa@pins.gsi.gov.uk or call 0303 444 5000.

Getting in touch

wylfaenquiries@horizonnuclearpower.com
0800 954 9516
@HorizonNuclear
www.horizonnuclearpower.com
Freepost WYLFA NEWYDD
horizonnuclear

Horizon provides newsletters voluntarily to help the local community keep up to date with information related to the development of our project. Any personal data you provide will be used only for this purpose. We may share your name and contact details with third parties involved in printing and distributing this newsletter but will not use or share your data in any other way. We take data security seriously; if you would like any more information on the data we hold about you, how we use it, how we secure it, and how to correct or delete it, please contact us: **dataprivacy@horizonnuclearpower.com**

PŴER NIWCLEAR
HORIZON
NUCLEAR POWER

Horizon Nuclear Power Wylfa Limited - Hysbysiad Cyhoeddus

DEDDF CYNLLUNIO 2008

RHEOLIADAU CYNLLUNIO SEILWAITH (ASESU EFFAITH AMGYLCHEDDOL) 2009

GORCHYMYN WYLFA NEWYDD (GORSAF CYNHYRCHU NIWCLEAR) ARFAETHEDIG

CYFEIRNOD Y CAIS: EN010007

HYSBYSIAD O GYFLE I GYFLWYNO SYLWADAU MEWN PERTHYNAS Â THRI NEWID ARFAETHEDIG I GAIS GORCHYMYN CYDSYNIAD DATBLYGU (DCO) WYLFA NEWYDD

1. Ar 1 Mehefin 2018 gwnaeth Horizon Nuclear Power Wylfa Limited ('Ymgeisydd') o Sunrise House, 1420 Charlton Court, Parc Busnes Caerloyw, Caerloyw, GL3 4AE gais i'r Ysgrifennydd Gwladol, d/o Yr Arolygiaeth Gynllunio ('PINS'), am orchymyn cydsyniad datblygu ('DCO') o dan Ddeddf Cynllunio 2008 (y 'Cais'). Byddai'r DCO yn awdurdodi'r gwaith o adeiladu a gweithredu Wylfa Newydd, gorsaf bŵer niwclear newydd ar Ynys Môn gyda chapasiti o hyd at 3100 megawat, a datblygiadau cysylltiedig ('Prosiect DCO Wylfa Newydd'). Cafodd y Cais ei dderbyn ar gyfer archwiliad ar 28 Mehefin 2018.
2. Hysbysir trwy hyn bod Horizon Nuclear Power Wylfa Limited ("Ymgeisydd") yn bwriadu gwneud cais am dri newid ("newidiadau arfaethedig") i'r Cais, y mae'r Ymgeisydd yn eu hystyried yn ansylweddol o ran natur. Disgrifir y newidiadau arfaethedig ym mharagraff 6.
3. Mae'r Ymgeisydd yn hysbysebu'r newidiadau arfaethedig i'r Cais mewn papurau newydd, ar sail anstatudol.

Crynodeb o'r prosiect

4. Dyma brif elfennau Prosiect DCO Wylfa Newydd:
   a. Yr Orsaf Bŵer, sy'n cynnwys dau Adweithydd Dŵr Berwedig Uwch y DU, y System Dŵr Oeri, cyfleusterau, adeiladau, strwythurau ac offer cefnogol, adeiladau i storio tanwydd sydd wedi cael ei ddefnyddio a gwastraff ymbelydrol a chysylltiad â'r grid cenedlaethol.
   b. Datblygiadau eraill ar y safle, gan gynnwys gwaith tirweddu a phlannu, draeniau, systemau rheoli dŵr wyneb, gwaith mynediad i'r cyhoedd gan gynnwys cau a dargyfeirio hawliau tramwy cyhoeddus dros dro ac yn barhaol, Ffordd Fynediad newydd i'r Orsaf Bŵer a ffyrdd mewnol y safle, meysydd parcio, gwaith a gweithgareddau adeiladu gan gynnwys compowndiau adeiladu ac ardaloedd parcio dros dro, ardaloedd gosod, ardaloedd gweithio a gwaith a strwythurau dros dro, ardal dros dro i wylio'r gwaith adeiladu, dargyfeirio cyfleustodau, ffens y ffin a ffensys adeiladu a chysylltiadau trydan.
   c. Gwaith Morol sy'n cynnwys:
   - Gwaith Morol parhaol, gan gynnwys y System Dŵr Oeri, y Cyfleuster Dadlwytho Morol, strwythurau morglawdd, gwaith i ddiogelu'r lan, mannau gollwng draeniau dŵr wyneb, man gollwng carthffrwd dŵr gwastraff (a draeniau cysylltiedig dŵr wyneb a charthffrwd dŵr gwastraff i'r môr), system achub a dychwelyd pysgod, system atal pysgod, cymhorthion mordwyo a charthu; a
   - Gwaith Morol dros dro, gan gynnwys argaeau coffr dros dro, ramp mynediad dros dro, cymhorthion mordwyo dros dro, mannau gollwng dros dro ac angorfa dros dro i gychod camlas.

   d. Cyfleusterau Oddi ar Safle'r Orsaf Bŵer: sy'n cynnwys y Ganolfan Rheoli Argyfwng Amgen, y Labordy Arolygon Amgylcheddol a'r Garej Offer Argyfwng Symudol.
   e. Datblygiadau Cysylltiedig sy'n cynnwys:
   - Campws y Safle at gyfer llety gweithwyr yn Ardal Datblygu Wylfa Newydd;
   - cyfleuster Parcio a Theithio dros dro yn Dalar Hir ar gyfer gweithwyr adeiladu;
   - Canolfan Logisteg dros dro ym Mharc Cybi;
   - y Newidiadau i Briffordd yr A5025; a
   - gwaith creu a gwella cynefinoedd gwlyptir yn Nhŷ Du, Cors Gwawr a Chae Canol-dydd.
5. Mae'r cais DCO hefyd yn ceisio pwerau amrywiol eraill, gan gynnwys darpariaethau sy'n caniatáu caffael buddiannau a hawliau mewn tir drwy orfodaeth, defnyddio tir dros dro, ymyrryd â hawliau a chau neu ddargyfeirio strydoedd a hawliau tramwy cyhoeddus eraill gan gynnwys cau Ffordd Cemlyn yn barhaol.

Ceisiadau am newid

6. Byddai'r newidiadau arfaethedig yn cynnwys y canlynol:
   a. diwygio patrymau shifft gweithwyr fel a ganlyn:
   i. ym mlynyddoedd cynnar yr adeiladu, newid o dair shifft ddydd gyfnodol a thair shifft nos gyfnodol, i ddwy shifft ddydd gyfnodol ac un shifft nos;
   ii. ym mlynyddoedd y gwaith adeiladu mwyaf, newid o dair shifft ddydd gyfnodol a thair shifft nos gyfnodol, i dair shifft ddydd gyfnodol a dwy shifft nos gyfnodol; a.
   iii. newidiadau i amseroedd dechrau shifftiau a hyd shifftiau.
   b. diwygio cyfnodau dosbarthu'r Cerbydau Nwyddau Trwm ("HGV") i:
   i. ymestyn cyfnod dosbarthu dyddiau'r wythnos (o ddydd Llun i ddydd Gwener yn gynwysedig) i'r gyda'r nos, i gynnwys dosbarthu rhwng 19:00 a 23:00 (cyfyngedig i uchafswm o 20 o symudiadau HGV); ac
   ii. ychwanegu cyfnod dosbarthu ychwanegol ar foreau Sadwrn rhwng 08:00 a 13:00 (cyfyngedig i uchafswm o 50 o symudiadau HGV).
   c. ymestyn yr oriau gwaith ar y prif safle i gynnwys y canlynol:
   i. 19:00 i 07:00 (h.y. ymestyn i 24 awr y dydd) ar gyfer rhai gweithgareddau a gwaith adeiladu cyffredinol a nodir; a
   ii. mân fesurau o ganlyniad i ddefnyddio'r oriau gwaith estynedig.
7. Mae'r Ymgeisydd wedi paratoi dogfennau ymgynghori ar bob un o'r newidiadau arfaethedig sy'n darparu manylion llawn am y newidiadau. Mae'r dogfennau ymgynghori'n cadarnhau nad oes unrhyw fuddiannau newydd mewn tir, neu barseli tir newydd, yn cael eu heffeithio gan y newidiadau arfaethedig ac nad oes disgwyl unrhyw effeithiau amgylcheddol arwyddocaol tebygol newydd neu wahanol o ganlyniad i'r newidiadau arfaethedig.
8. Mae'r newidiadau arfaethedig yn ychwanegol at ddau newid blaenorol yr ymgynghorwyd yn eu cylch ac a gyflwynwyd i'r Awdurdod Archwilio.

Ymgynghori

9. Mae Horizon yn cynnal ymgynghoriad cyhoeddus ar y newidiadau arfaethedig **rhwng 8 Tachwedd a 6 Rhagfyr 2018**, i ofyn am safbwyntiau rhanddeiliaid ac unigolion cyn iddo gyflwyno ei newidiadau arfaethedig terfynol i'r Arolygiaeth Gynllunio ar gyfer eu hystyried.
10. Os ydych chi eisiau cyflwyno sylwadau ar y newidiadau arfaethedig neu unrhyw un ohonynt, gellir darparu unrhyw sylwadau yn ysgrifenedig i:
    - e-bost i ymholiadauwylfa@horizonnuclearpower.com; neu
    - llythyr at Freepost WYLFA NEWYDD (dim angen stamp)
11. Gellir gweld copïau o'r dogfennau ymgynghori sy'n manylu ar y newidiadau arfaethedig ar-lein yn www.horizonnuclearpower.com/ymgynghoriad ac yn y lleoliadau cyhoeddus a restrir isod yn ystod yr ymgynghoriad.

    Canolfan Fusnes Môn
    Cyngor Sir Ynys Môn
    Parc Busnes Bryn Cefni
    Llangefni, Ynys Môn, LL77 7XA
    Dydd Llun i ddydd Gwener 9am - 5pm

    A

    Swyddfa Safle Wylfa Newydd
    Cemaes, Ynys Môn, LL67 0AA
    Dydd Llun i ddydd Gwener 9am - 5pm drwy apwyntiad yn unig
    Cysylltwch â ni ar ymholiadauwylfa@horizonnuclearpower.com neu 0800 954 9516 i drefnu ymweliad â swyddfa'r safle.
12. Gellir darparu copïau o'r dogfennau ymgynghori ar gais hefyd, drwy gysylltu ag ymholiadauwylfa@horizonnuclearpower.com neu drwy ffonio 0800 954 9516.
13. Mae Horizon yn gofyn i unrhyw adborth am y cynigion nodi'r ymgynghoriad yn glir a hefyd dylid cynnwys manylion cysylltu ar gyfer anfon unrhyw ohebiaeth yn ymwneud â'r sylwadau. Efallai y bydd rhaid i Horizon sicrhau bod copïau o'r holl sylwadau a dderbynnir ar gael i PINS. Cofiwch y bydd yr holl ymatebion yn cael eu cyhoeddi. Fodd bynnag, bydd Horizon yn gofyn i fanylion personol beidio â chael eu nodi yn y cofnod cyhoeddus. Bydd manylion personol yn cael eu cadw'n ddiogel yn unol â Deddf Diogelu Data 1998 ac yn cael eu defnyddio mewn perthynas ag archwilio'r Cais yn unig.

Gallwch chi gysylltu â Horizon unrhyw bryd.

Dros e-bost: **ymholiadauwylfa@horizonnuclearpower.com**

Dros y ffôn: **0800 954 9516**

Gwefan:
www.horizonnuclearpower.com/hafan

Cyfeiriad rhadbost:
Freepost WYLFA NEWYDD

Horizon Nuclear Power Wylfa Limited – Public Notice

PLANNING ACT 2008

THE INFRASTRUCTURE PLANNING (ENVIRONMENTAL IMPACT ASSESSMENT) REGULATIONS 2009

PROPOSED WYLFA NEWYDD (NUCLEAR GENERATING STATION) ORDER

APPLICATION REFERENCE: EN010007

NOTICE OF OPPORTUNITY TO COMMENT IN RELATION TO THREE PROPOSED CHANGES TO THE WYLFA NEWYDD DCO APPLICATION

1. On 1 June 2018 Horizon Nuclear Power Wylfa Limited ('Applicant') of Sunrise House, 1420 Charlton Court, Gloucester Business Park, Gloucester, GL3 4AE applied to the Secretary of State, c/o The Planning Inspectorate ('PINS') for a development consent order ('DCO') under the Planning Act 2008 (the 'Application'). The DCO would authorise the construction and operation of Wylfa Newydd, a new nuclear power station on Anglesey with a capacity of up to 3100 megawatts, and associated development ('Wylfa Newydd DCO Project'). The Application was accepted for examination on 28 June 2018.
2. Notice is hereby given that Horizon Nuclear Power Wylfa Limited ("Applicant") is proposing to apply for three changes ("proposed changes") to the Application, which the Applicant considers are non-material in nature. The proposed changes are described in paragraph 6.
3. The Applicant is advertising the proposed changes to the Application in newspapers, on a non-statutory basis.

Summary of the project

4. The principal components of the Wylfa Newydd DCO Project are:
   a. The Power Station which includes two UK Advanced Boiling Water Reactors, the Cooling Water System, supporting facilities, buildings, plant and structures, radioactive waste and spent fuel storage buildings and a connection to the national grid.
   b. Other on-site development including landscape works and planting, drainage, surface water management systems, public access works including temporary and permanent closures and diversions of public rights of way, new Power Station Access Road and internal site roads, car parking, construction works and activities including construction compounds and temporary parking areas, laydown areas, working areas and temporary works and structures, temporary construction viewing area, diversion of utilities, perimeter and construction fencing, and electricity connections.
   c. Marine Works comprising:
   - permanent Marine Works including the Cooling Water System, the Marine Off-loading Facility, breakwater structures, shore protection works, surface water drainage outfalls, waste water effluent outfall (and associated drainage of surface water and waste water effluent to the sea), fish recovery and return system, fish deterrent system, navigation aids and dredging; and
   - temporary Marine Works including temporary cofferdams, a temporary access ramp, temporary navigation aids, temporary outfalls and a temporary barge berth.

   d. Off-site Power Station Facilities: comprising the Alternative Emergency Control Centre, Environmental Survey Laboratory and a Mobile Emergency Equipment Garage.
   e. Associated Development comprising:
   - the Site Campus for worker accommodation within the Wylfa Newydd Development Area;
   - temporary Park and Ride facility at Dalar Hir for construction workers;
   - temporary Logistics Centre at Parc Cybi;
   - the A5025 Off-line Highway Improvements; and
   - wetland habitat creation and enhancement works at Tŷ Du, Cors Gwawr and Cae Canol-dydd.
5. The DCO application also seeks various other powers including provisions permitting the compulsory acquisition of interests and rights in land, the temporary use of land, interference with rights and the closure or diversion of streets and other public rights of way including the permanent closure of Cemlyn Road.

Requests for change

6. The proposed changes would:
   a. amend workers' shift patterns as follows:
   i. in the early years of construction, changing from three staggered day shifts and three staggered night shifts, to two staggered day shifts and one night shift;
   ii. during the peak construction years, changing from three staggered day shifts and three staggered night shifts, to three staggered day shifts and two staggered night shifts; and
   iii. changes to shift start times and shift duration.
   b. amend the Heavy Goods Vehicle ("HGV") delivery windows to:
   i. extend the weekday (Monday to Friday inclusive) delivery window into the evening, to include deliveries between the hours of 19:00 and 23:00 (limited to a maximum of 20 HGV movements); and
   ii. add an additional delivery window on Saturday mornings between 08:00 and 13:00 (limited to a maximum of 50 HGV movements).
   c. extending the working hours on the main site to include:
   i. 19:00 to 07:00 hours (i.e. extending to 24 hours a day) for some additional prescribed general building and activities; and
   ii. consequential minor measures to utilise the extended working hours.
7. The Applicant has prepared consultation documents on each of the proposed changes which provide full details of the changes. The consultation documents confirm that no new interests in land or new land parcels are affected by the proposed changes and that no new or different likely significant environmental effects are predicted as a consequence of the proposed changes.
8. The proposed changes are in addition to two previous changes consulated on and submitted to the Examining Authority.

Consultation

9. Horizon is holding a public consultation on the proposed changes between **8 November and 6 December 2018**, to seek the views of stakeholders and individuals before it submits its final proposed changes to the Planning Inspectorate for consideration.
10. Should you wish to comment on the proposed changes or any one of them, any comments may be provided in writing to:
    - email to wylfaenquiries@horizonnuclearpower.com
    - letter to Freepost WYLFA NEWYDD (no stamp required)
11. Copies of the consultation documents detailing the proposed changes can be viewed online at www.horizonnuclearpower.com/consultation and at the public locations listed below during the consultation.

    The Anglesey Business Centre
    Isle of Anglesey County Council
    Bryn Cefni Business Park
    Llangefni, Anglesey, LL77 7XA
    Monday to Friday 9am - 5pm

    AND

    Wylfa Newydd Site Office
    Cemaes Bay, Anglesey, LL67 0AA
    Monday to Friday 9am – 5pm by appointment only
    Please contact us at wylfaenquiries@horizonnuclearpower.com or 0800 954 9516 to arrange a visit to the site office.
12. Copies of the consultation documents can also be provided on request from wylfaenquiries@horizonnuclearpower.com or by telephone 0800 954 9516.
13. Horizon requests that any feedback relating to the proposals clearly identifies the consultation and that contact details are provided to which any correspondence relating to the comments may be sent. Horizon may be required to make copies of all comments received available to PINS. Please note all comments will be made public. Horizon will, however, request that personal details are not placed on the public record. Personal details will be held securely in accordance with the Data Protection Act 1998 and will be used solely in connection with the examination of the Application.

You can contact Horizon at any time.

By email: **wylfaenquiries@horizonnuclearpower.com**

By phone: **0800 954 9516**

Website: **www.horizonnuclearpower.com**

Freepost address: **Freepost WYLFA NEWYDD**

Appendix 1-4 Maps of mailing zones

[This page is intentionally blank]

Overview (909 addresses)

Map one

Craig yr Iwrch
Cemlyn Bay
Llanddaueint
Cemlyn
Cemlyn
A5025
Tregele
A5025

Map two

Cemlyn
Cemlyn
Tregele
A5025
A5025
A5025
A5025
A5025
Llanfechell
Llanrhwydrus

Map three

Llanddausaint
Cemaes Bay
Cemaes
Neuadd
A5025
Ffordd Caergybi
Ffordd Yr Felin
Tregele
Afon Wygyr

Map four

Llanbadrig
Cemaes Bay
Llanddausaint
Cemaes Bay
Neuadd
A5025
A5025
A5025
A5025
Cemaes
A5025
Ffordd Caergybi
A5025
Ffordd Y Felin
A5025

Dala Hir 1250m area exact map (228 addresses)

Dalar Hir – defined area at roughly 1250m (363 addresses)

Logistics Center Mailing Zone – 67 commercial and residential properties

Online Roads TCPA – Mailing Zone 2 (1679 addresses)

Overview

Image 1

Llanddausaint
Cemaes Bay
Cemaes
Neuadd
A5025
A5025
A5025
Ffordd Y Felin
Tregele
Cemlyn
A5025
A5025
Llanfechell
Llanfairynghornwy
Llanrhwydrus
Google
Map data ©2016 Google Imagery ©2016 Bluesky, Infoterra Ltd & COWI A/S, DigitalGlobe, Getmapping plc, Landsat
200 m
Terms of Use
Report a map error

Image 2

Llanfairynghornwy
Llanrhwydrus
A5025
Mynydd Mechell
Llanfflewyn
A5025
Llanrhyddlad
Rhyd-wyn
Lon Las
A5025
Google
Map data ©2016 Google Imagery ©2016 , Bluesky, Infoterra Ltd & COWI A/S, DigitalGlobe, Getmapping plc, Landsat
200 m
Terms of Use
Report a map error

Image 3

Llanfaethlu
A5025
A5025
A5025
Llanddeusant
Elim
Google
Map data ©2016 Google Imagery ©2016 , Bluesky, Infoterra Ltd & COWI A/S, DigitalGlobe, Getmapping plc, Landsat
200 m
Terms of Use
Report a map error

Image 4

A5025
Llanfwrog
Stryd y Facsen
Llanfigael
Llanfachraeth
Google
Map data ©2016 Google Imagery ©2016 , Bluesky, Infoterra Ltd & COWI A/S, DigitalGlobe, Getmapping plc, Landsat
200 m
Terms of Use
Report a map error

Image 5

Llanfachraeth
A5025
Llanynghenedl
A5025
B5109
Bodedern
B5109
B5109
A5
Wales Expy
A55
A5
A5025
A5025
Cymyran Strait
Valley
Station Rd
N Wales Expy
B4545
N Wales Expy
A5
N Wales Expy
Google
Map data ©2016 Google Imagery ©2016 , Bluesky, Infoterra Ltd & COWI A/S, DigitalGlobe, Getmapping plc, Landsat
200 m
Terms of Use
Report a map error

Appendix 1-5 Horizon's responses to consultation responses received

[This page is intentionally blank]

Ref	Comment	Horizon's Response
Local Resident LR1-01	The majority of the activities shown are ones which invariably produce high noise and or high vibration levels. Blasting, rock drilling, packing and piling to name a few are all activities with high noise/vibration levels. A substantial increase in the proposed working hours in relation to procedures like these would have a major adverse effect upon the local communities which in turn could affect their sleep patterns and health. Such hours would be totally unacceptable and shows a blatant disregard for the health and wellbeing of local residents.	Noise modelling of the proposed change indicates that there will be both adverse and beneficial changes as a result of the proposed extension to working hours: • There will be a net increase of four residential receptors at which a large magnitude of change (major adverse effects) is predicted (an adverse change compared to the Draft DCO application). • There will be a net reduction of 79 residential receptors for which a medium magnitude of change (major adverse significance) is predicted (a beneficial change compared to the Draft DCO application). • There will be a net increase of 28 residential receptors for which a small magnitude of change (moderate significance) is predicted (an adverse change compared to the Draft DCO application). In total, with the proposed change to working hours there would be 1198 residential receptors at which moderate or major adverse significant effects may occur compared to 1170 in the Draft DCO application in the absence of additional mitigation, which is a 2.4% increase as a result of the proposed change. However, Horizon consider this to be offset by be a 25% reduction in the number of major adverse significant effects compared to the Draft DCO application, which is a substantial improvement on the situation presented in the Draft DCO application. The ES already proposes a range of mitigation measures within the WNDA to reduce and control construction noise and vibration at source, such that these noise effects are minimised. These combine a range of measures including design considerations, good practice and

Ref	Comment	Horizon's Response
		additional mitigation. These measures are secured through the Wylfa Newydd CoCP [REP2-031]. Despite the above mitigation measures, there is still potential for significant residual noise effects at buildings which are near the WNDA, In response to this, at qualifying buildings Horizon is committing to providing additional noise mitigation through the Local Noise Mitigation Strategy (LNMS), which will provide either double-glazing or secondary glazing to improve the noise insulation. In response to comments made through the Statement of Common Ground process with the North Anglesey Community Partnership and Isle of Anglesey County Council (IACC), relevant representations received in August on the Draft DCO application, and in light of potential Requests for Non-Material Change, Horizon has lowered the eligibility criteria and extended the mitigation measures that may be provided by the LNMS. A number of mitigation measures are available for eligible buildings under the LNMS. There are four criteria which must be met for a building to be eligible: - Acoustic - where a building is within the LNMS WNDA Construction Boundary Plan Area (shown in the Local Noise Mitigation Strategy (Companion Guide) [REP3-051] submitted at Deadline 3 (18 December 2018)) or where construction or road traffic noise levels are predicted to exceed the LNMS noise thresholds. - Building type - buildings must be residential properties, guest houses, Bed & Breakfast or hotels. - Owner or long-term leaseholder - with 3 or more years remaining in the case of a lease.

Ref	Comment	Horizon's Response
		-Existing and lawfully occupied - buildings must have been existing buildings at the date the Draft DCO is granted and are lawfully occupied (homeowner or tenant in the case of residential buildings and owner or leaseholder in the case of businesses providing overnight accommodation). The mitigation measures available under the LNMS fall into two categories as set out below. The LNMS measures will be provided and installed free of charge. **Noise insulation package** The 'noise insulation package' contains measures to improve noise insulation in eligible rooms of eligible buildings. Its aim is to improve noise insulation for qualifying windows and doors whilst ensuring adequate ventilation. Specifically the noise insulation measures which will be available for eligible buildings include: - Either secondary glazing (to fit inside existing windows) or replacement double-glazing windows - Noise insulated ventilation - External doors with improved noise insulation - Internal solar or blackout blinds **Enhanced measures** Two 'enhanced measures' may be offered where there is a need and scope to provide additional noise insulation for conservatories and/or gardens. These are: - Acoustic fencing - Noise insulation for conservatories

Ref	Comment	Horizon's Response
		The practical feasibility of installing each of the LNMS measures at an eligible building will be subject to a survey. During the survey, the surveyor will be able to provide further information and clarification. Additional conditions apply for the enhanced measures. Horizon will be available throughout the LNMS process to help with any queries. For further information of the LNMS please refer to the Local Noise Mitigation Strategy (Companion Guide) [D3 REP3-051] submitted at Deadline 3 (18 December 2018).
LR1-02	The above activities would definitely impact on the air quality, producing high volumes of dust and debris which in turn would inevitably deposit onto local properties and vehicles resulting in unnecessary cleaning for the owners. Any reduction in the air quality may have serious health consequences for certain people i.e. those with asthma, chest problems etc.	Horizon acknowledges these concerns and they relate to the examination of the Draft DCO application itself, its assessments and proposed mitigation rather than the proposed change. The RfNMC for working hours does not change the types of activities proposed at the Wylfa Newydd Development Area, it just extends the hours for undertaking some of those types of activities. The Draft DCO application and recent updates to the relevant Code of Construction Practice documents submitted to the Examining Authority at Deadline 2 (04 December 2018) (REP2-031 and REP2-032) set out comprehensive dust control measures to prevent or reduce dust emissions at source. These are supported by a number of mechanisms to ensure that the dust controls are effective such as continuous particulate monitoring linked to a real-time alert system and corrective action/response procedures, dust monitoring, visual inspections, complaints receipt and response procedure, monitoring data and key air quality statistics available to be viewed by members of the public on a website each day and community liaison group meetings to discuss key issues such as air quality and noise. These

Ref	Comment	Horizon's Response
		mitigation measures would also be applied to those types of activities for which extended working hours are being sought.
LR1-03	An increase in the noise/vibration levels and a decrease in the air quality would ultimately have a detrimental impact upon the local environment and wildlife. It is imperative that noise/vibration mitigation is a high priority for Horizon. There will definitely be increased levels of noise and vibration possibly throughout the whole construction period. Horizon must do whatever possible to alleviate the disturbances to the local residents.	Noise modelling of the proposed change in working hours indicates that there will be both adverse and beneficial changes as a result of the proposed extension to working hours: • There will be a net increase of four residential receptors at which a large magnitude of change (major adverse effects) is predicted (an adverse change compared to the Draft DCO application). • There will be a net reduction of 79 residential receptors for which a medium magnitude of change (major adverse significance) is predicted (a beneficial change compared to the Draft DCO application). • There will be a net increase of 28 residential receptors for which a small magnitude of change (moderate significance) is predicted (an adverse change compared to the Draft DCO application). In total, with the proposed change to working hours there would be 1198 residential receptors at which moderate or major adverse significant effects may occur compared to 1170 in the Draft DCO application in the absence of additional mitigation, which is a 2.4% increase as a result of the proposed change. However, Horizon consider this to be offset by be a 25% reduction in the number of major adverse significant effects compared to the Draft DCO application, which is a substantial improvement on the situation presented in the Draft DCO application.

Ref	Comment	Horizon's Response
		Horizon takes their responsibility to mitigation noise and vibration arising from the proposed construction seriously. The ES already proposes a range of mitigation measures within the WNDA to reduce and control noise and vibration at source, so that these effects are minimised. These combine a range of mitigation measures including design considerations, good practice and additional mitigation. These measures are secured through the Wylfa Newydd CoCP [REP2-031], and as they are comprehensive there is little scope for enhancing these mitigation measures. Therefore, in response to the potential increase in noise levels as a result of extended working hours, Horizon has lowered the eligibility criteria and extended the mitigation measures that may be provided by the LNMS. Details of the LNMS are provided in response LR1-01 above. The Wylfa Newydd CoCP [REP2-031] forms part of the Draft DCO application for the Wylfa Newydd DCO Project. It is expected to be secured under Requirement PW7 in the Draft DCO [REP2-020] thereby forming a legally binding commitment. Horizon's LNMS is contained within Section 8.3 of the Wylfa Newydd CoCP [REP2-031].
LR1-04	We believe that Horizon are now failing to consider the wellbeing and lifestyle of the local residents and such failings will definitely interfere with the quiet, peaceful enjoyment of residents lives and their properties.	Horizon will take all reasonable steps to limit the adverse effects of the Wylfa Newydd DCO Project as far as possible. Mitigation and good practice measures are proposed in order to avoid, reduce or compensate for adverse impacts where possible. These measures are set out in the Mitigation Route Map [APP-422], including measures relating to monitoring health and well-being. Horizon takes it responsibilities to the people and communities that

Ref	Comment	Horizon's Response
		neighbour the Wylfa Newydd Development Area and the Associated Development sites very seriously. The various mitigation strategies that form part of this application have been considered and designed with the interests of local people in mind. Where possible Horizon has sought to reduce the impacts on the surrounding properties and residents. Each of the RfNMCs has included a consideration of the potential population health effects. Such analysis has concluded that the proposed changes would not alter the conclusions reached in the Wylfa Newydd DCO Project's Health Impact Assessment (HIA) Report [APP-429]. The HIA Report acknowledges that there would be a range of beneficial and adverse effects across vulnerable groups and geographic levels. This encompasses minor to major beneficial effects and minor to moderate adverse effects. In relation to "the quiet, peaceful enjoyment of residents lives and their properties", Horizon acknowledges that there would be some adverse effects of the Wylfa Newydd DCO Project. However, the RfNMC sets out additional and enhanced noise mitigation (in the Wylfa Newydd Code of Construction Practice [APP-414]), which would reduce the effects when compared to the Draft DCO application. Such measures are specifically intended to benefit the wellbeing and lifestyles of local residents. Horizon has undertaken extensive noise modelling to predict the likely significant effects of the Wylfa Newydd DCO Project. Where the modelling shows it to be appropriate, Horizon has committed to providing mitigation (see response to LR-03). Horizon is also committed to working with the IACC in relation to appropriate

Ref	Comment	Horizon's Response
		monitoring and mechanisms for responding to any complaints received. Whilst the Wylfa Newydd DCO Project will, in common with any national infrastructure project, result in residual adverse effects on the local community these (considered individually or collectively) must, for a balanced approach, be considered in the context of the important benefits. These benefits would be delivered for the UK as a whole, including a vital role in the provision of safe and secure low carbon electricity, as well as significant local benefits including jobs creation, investment in the local economy and provision of skills for the local workforce. Together these benefits have the potential to create a significant lasting positive legacy for Anglesey, north Wales and the UK.
LR2-01	Now from this latest information there is going to be an increase in both volume of traffic and the length of the working day and week so an increase in traffic noise. I would like to know if there is any thought for the local population as far as noise and inconvenience etc is concerned - are there any plans to compensate for the inconvenience and noise - there was mention one time of maybe enhancing windows maybe to triple glazing to lessen the traffic noise in my home - any comment would be welcomed.	The total number of HGVs and the overall volume of construction traffic would not change as a result of the proposed changes to HGV delivery windows, working hours or shift times. In relation to deliveries, Horizon is simply seeking additional flexibility by extending the delivery windows in order to ensure that HGV deliveries can be maintained (to the extent possible) in the event of unforeseen delivery delays or traffic incidents. However, noise modelling of the proposed changes to HGV delivery times, increased working hours and shift change times shows that these changes have the potential to cause an increase in limited noise effects at locations close to the Wylfa Newydd Development Area (WNDA) and/or at properties adjacent to the A5025 and delivery road network at certain times of day.

Ref	Comment	Horizon's Response
		The Environmental Statement already proposes a range of mitigation measures within the WNDA and the boundary of the associated A5025 Off-line Highway Improvements to reduce and control noise at source, such that these noise effects are minimised. These combine a range of measures including design considerations, good practice and additional mitigation. These measures are secured through the Wylfa Newydd CoCP [REP2-031]. Despite the above mitigation measures, there is still potential for significant residual noise effects at receptors which are near the WNDA, or in close proximity to certain roads on the HGV delivery route ('qualifying highways'). Qualifying buildings will be eligible for additional noise mitigation through the Local Noise Mitigation Strategy (LNMS), contained in section 8.3 of the Wylfa Newydd CoCP [REP2-031], which will provide either double-glazing or secondary glazing to improve the noise insulation. The Wylfa Newydd CoCP [REP2-031] forms part of the Draft DCO application for the Wylfa Newydd DCO Project. Compliance with it will be secured under a Requirement in the Draft DCO [REP2-020]. In response to comments made through the Statement of Common Ground process with the North Anglesey Community Partnership and IACC, relevant representations received in August on the Draft DCO application, and consultation on the proposed changes, Horizon has lowered the eligibility criteria and extended the mitigation measures that may be provided by the LNMS. This means that a greater number of residential properties will be eligible for a range of noise mitigation measures (such as double or secondary glazing, noise ventilation, and acoustic fences).

Ref	Comment	Horizon's Response
		A number of mitigation measures are available for eligible buildings under the LNMS. There are four criteria which must be met for a building to be eligible: - Acoustic - where a building is within the LNMS WNDA Construction Boundary Plan Area (shown in the Local Noise Mitigation Strategy Update [REP3-050] submitted at Deadline 3 (18 December 2019) or where construction or road traffic noise levels are predicted to exceed the LNMS noise thresholds. - Building type - buildings must be residential properties, guest houses, Bed & Breakfast or hotels. - Owner or long-term leaseholder - with three or more years remaining in the case of a lease. -Existing and lawfully occupied - Buildings must have been existing buildings at the date the Draft DCO is granted and are lawfully occupied (homeowner or tenant in the case of residential buildings and owner or leaseholder in the case of businesses providing overnight accommodation). The mitigation measures available under the LNMS fall into two categories as set out below. The LNMS measures will be provided and installed free of charge. Noise insulation package The 'noise insulation package' contains measures to improve noise insulation in eligible rooms of eligible buildings. Its aim is to improve noise insulation for qualifying windows and doors whilst ensuring adequate ventilation. Specifically the noise insulation measures which

Ref	Comment	Horizon's Response
		will be available for eligible buildings include: - Either secondary glazing (to fit inside existing windows) or replacement double-glazing windows - Noise insulated ventilation - External doors with improved noise insulation - Internal solar or blackout blinds Enhanced measures Two 'enhanced measures' may be offered where there is a need and scope to provide additional noise insulation for conservatories and/or gardens. These are: - Acoustic fencing - Noise insulation for conservatories The practical feasibility of installing each of the LNMS measures at an eligible building will be subject to a survey. During the survey, the surveyor will be able to provide further information and clarification. Additional conditions apply for the enhanced measures. Horizon will be available throughout the LNMS process to help with any queries. For further information of the LNMS please refer to the Local Noise Mitigation Strategy (Companion Guide) [REP3-051] submitted at Deadline 3 (18 December 2018). If your building is potentially eligible, Horizon will contact you and provide an LNMS application pack in due course.

Ref	Comment	Horizon's Response
GCC-01	Horizon are proposing to change to the list of activities carried out from 7am to 7pm, to increase the activities allowed on a 24/7 basis, as stated in the Horizon report dated November 2018, Request for Non-Material Change no.4 Working Hours. These changes, in the majority of cases appear to affect the site-based activities only and will not encroach on traffic movements off-site. Therefore, GC are comfortable that there will be no detrimental effects to the operation of their highway network or affect traffic flows on the Britannia Bridge. The associated change in working hours and shift patterns, have been addressed in the other sections of this technical note. Horizon do state that there will be no impacts, which GC are comfortable with, as long as there are no knock-on effects in terms of traffic flows onto the external highway networks (such as the timing of traffic movements) or increase in any traffic flows within the DCO documents.	Gwynedd CC's comments on the proposed changes are noted and align with Horizon's assessment, except that site grading is proposed to end at 22:00, not to run 24/7.
NRW-01	3. WORKING HOURS (CHANGE NO. 4). - Air Quality. 3.4. The technical report considers the effects of the changes on Cae Gwyn Site of Special Scientific Interest (SSSI) and Tre'r Gôf SSSI, and states in paragraph 2.5.21 that "there were no new receptors which are above the criteria for	Given its value and proximity to the Wylfa Newydd Development Area, Horizon acknowledges the request to include further detail on the changes to Bae Cemlyn / Cemlyn Bay Special Area of Conservation and has updated section 2.5 accordingly. Horizon has stated in its Written Representation [REP2-003] response that the mitigation measures for Tre'r Gof SSSI (including the vegetation cutting) were secured through provisions of the Main Power

Ref	Comment	Horizon's Response
	requiring further consideration for a particular pollutant due to the proposed change". For clarity, it would be useful to demonstrate the likely changes on Bae Cemlyn / Cemlyn Bay Special Area of Conservation even if Horizon consider the process contribution to be below the relevant thresholds. 3.5. Tables 2-4 to 2-7 show the changes in process contributions for nitrogen and acid deposition as a result of the proposed changes (during year 2 and year 5 of construction). There are predicted to be slight increases in nitrogen and acid deposition as a result of the proposed changes in comparison with that assessed in the DCO application. 3.6. In relation to Tre'r Gôf SSSI, NRW consider that the mitigation proposed in the DCO (vegetation cutting to offset nitrogen inputs) remains appropriate to mitigate the effects as a result of the proposed changes. We refer you to paragraph 7.16.5 of NRW's Written Representations where NRW advise detailed mitigation measures should be set out in a detailed Main Power Station Site Sub-Code of Construction Practice which should be approved	Station Site sub-CoCP [APP-415]. Horizon also made a number of amendments to the controls and monitoring of emissions of oxides of nitrogen from construction plant and machinery in the updated Main Power Station Site sub-CoCP [REP2-032] submitted at Deadline 2 (4 December 2018). Horizon's response to NRW's Written Representation is document REP3-035.

Ref	Comment	Horizon's Response
	by the discharging authority, in consultation with. NRW.	
NRW-02	3.7. In relation to Cae Gwyn SSSI, NRW advises in paragraph 7.16.6 of its Written Representations that additional information is required to demonstrate that the predicted emissions (assessed in the DCO application) will not damage the SSSI. In view of the changes in process contribution assessed in Tables 2-4 to 2-7, we advise the additional information to be submitted assesses the up to date predicted process contributions. 3.8. To conclude, NRW agrees that the proposed changes are not likely to result in new or different likely significant environmental effects on air quality receptors, however we advise that the above comments are addressed.	Horizon acknowledges these concerns but notes that they relate to the examination of the Draft DCO application itself and its assessments rather than the proposed change. In Horizon's Written Representation [REP2-003] response, Horizon has provided a revised assessment of the changes in air quality at Cae Gwyn SSSI subsequent to the application of the additional mitigation to control oxides of nitrogen emissions as proposed in the Draft DCO submission (see section 5.6 of chapter D5 [APP-124]) and secured in Section 7.5 (Emissions from plant and machinery) of the updated Main Power Station Site sub-CoCP submitted to the Examining Authority at Deadline 2 (4 December 2018) [REP2-032]. A revised air quality assessment providing further detail was submitted to the Examining Authority at Deadline 3 (18 December 2018). Additional information will be provided at Deadline 5 (12 February 2019) to assess the predicted process contributions resulting from the proposed changes to working hours.
NRW-03	- Terrestrial and Freshwater Ecology. 3.9. NRW note that European and nationally protected species (as listed in paragraph 2.5.55) are present within the Wylfa Newydd Development Area and could potentially be affected by the proposed changes. NRW advises in its Written Representations (section 7.17) that detailed mitigation measures will need to be set out in a detailed Sub-CoCP and approved by the	Horizon acknowledges these concerns but notes that they relate to the examination of the Draft DCO application itself and its assessments rather than the proposed change. In its response to NRW's Written Representation [REP3-035], Horizon has reiterated its position, as concluded in the Shadow HRA [APP-050/051], that the Wylfa Newydd DCO Project would not result in adverse effect on integrity of the Anglesey Terns SPA.

Ref	Comment	Horizon's Response
	discharging authority, in consultation with NRW. NRW considers that the proposed changes are not likely to result in new or different likely significant environmental effects on European and/or Nationally Protected Species and that the advice provided in its Written Representations remains unchanged. - Morwenoliaid Ynys Môn / Anglesey Terns Special Protection Area (SPA). 3.10. The extension in working hours for some activities, and the associated lighting requirements for those activities, as well as the proposed additional haul roads, has the potential to result in additional effects on the tern colony at Cemlyn and the Anglesey Terns SPA. Although NRW consider that no new or different likely significant environmental effects are likely to be generated by the proposed changes, NRW does not agree with the conclusions of the assessments in D13 and the Shadow HRA (as part of the DCO application) with respect to the Anglesey Terns SPA.	
NRW-04	3.11. As detailed in section 7.8 of NRW's Written Representations, NRW advises that there is significant scientific doubt regarding whether there will be adverse effects on the Sandwich, Common and Arctic terns of the Anglesey Terns SPA. In line with the precautionary principle, we	Horizon acknowledges these concerns and they relate to the examination of the Draft DCO application itself and its assessments rather than the proposed change. In its response to NRW's Written Representation, Horizon has reiterated its position, as concluded in the Shadow HRA [APP-050/051], that the Wylfa Newydd DCO Project would not result in adverse effect on integrity of the Anglesey Terns

Ref	Comment	Horizon's Response
	consider that a conclusion of no adverse effects on site integrity of the Anglesey Terns SPA cannot be reached. The proposed changes have the potential to increase the risk of disturbance to the tern colony. As detailed above, and for the purpose of this consultation specifically, NRW considers that no new or different likely significant environmental effects are generated by the proposed changes, however NRW does not agree with the conclusions of the assessment with respect to the impacts on the Anglesey Terns SPA and this should be addressed.	SPA. Horizon considers that the evidence-base used within the Shadow HRA is sufficiently robust to support this conclusion.
NRW-05	- Marine Environment. 3.12. NRW advises in its Written Representations that detailed mitigation measures will need to be set out in a detailed Marine Works Sub-CoCP and approved by the discharging authority, in consultation with NRW. NRW considers that the proposed changes are not likely to result in new or different likely significant environmental effects on marine receptors and that the advice provided in its Written Representations remains unchanged	The Marine Works sub-CoCP [REP2-033] sets outs and secures the principles for mitigation measures. Where required further details on the measures and monitoring will be developed with NRW through the Marine Licence application. Horizon's response to NRW's Written Representation is document REP3-035.
NRW-06	3.13. Paragraph 2.5.73 of the technical report explains that the proposed extension to the working hours of some activities to 23:00, and for	The AONB was considered as a receptor along with every other sensitive receptor included within the Environmental Lighting Impact Assessment, appendix D10-10 of the Draft DCO application [APP-201].

Ref	Comment	Horizon's Response
	some to 24 hours, brings the requirement for additional lighting. 3.14. The Wylfa Newydd Project is located partly within the Ynys Môn / Anglesey Area of Outstanding Natural Beauty (AONB). It is unclear why the AONB is not considered as a receptor in the technical report. NRW advises in paragraph 7.19.3 of its Written Representations that lighting may affect the AONB. However, for the purposes of this consultation, NRW advises that the proposed change is not likely to result in new or different likely significant environmental effects on the Ynys Môn / Anglesey Area of Outstanding Natural Beauty and that NRW's advice as provided in its Written Representation remains unchanged.	The proposed change does not change the original findings. However, in light of the proposed changes, a further four sensitive receptors have been identified that could potentially be affected by the changes and these receptors have been reported within table 2.15 of the request for non-material changes - working hours. In all cases no new or different likely significant effects were identified. Horizon's response to NRW's Written Representation is document REP3-035.
IACC-01	This letter constitutes the Isle of Anglesey County Council's (IACC) response to Horizon's consultation on the 'non-material changes' as outlined above. The IACC does not agree that the changes are 'nonmaterial'. This letter will outline the IACC's position as to why these changes are material and how these changes (individually and cumulatively) will materially change the impacts of the project and the DCO Application. As set out in advice note 16, a series of incremental changes can cumulatively amount to a material	Horizon has provided an assessment of the cumulative impacts from all the Request for Non-Material Changes in the appendix. This appendix (which is attached – in duplicate form – to RfNMC docs 3, 4 and 5) sets out an assessment of the effects of all proposed non-material changes to the cumulative assessment reported in the Draft DCO application. The purpose is to assess whether the proposed changes could interact to result in the Wylfa Newydd DCO Project having a greater cumulative effect to that reported in the Draft DCO application. The effect of each separate request for non-material change on the cumulative assessment reported in the Draft DCO application has been assessed and reported within the standalone candidate for change documents.

Ref	Comment	Horizon's Response
	change to the application. IACC consider that the proposed changes when taken together have the potential to materially change the impacts and are cumulatively a Material Change to the DCO Application. The IACC accepts that the changes proposed do not fundamentally alter the substance of the proposal in the terms of advice note 16. However, IACC considers that these changes will result in a material change to the impacts assessed in the ES and require not only full assessment of the impacts by Horizon, including the provision of other environmental information considering all of the changes together, but also the opportunity for IACC to assess and respond to these as this proposal will change the basis on which the LIR was prepared.	The details of the proposed changes have been carefully considered in isolation to ensure that the change can be undertaken with minimal environmental effects resulting in no new or different likely significant environmental effects. Where there is considered potential for new or different effects to occur as a consequence of the proposed change, new and/or enhanced mitigation has been proposed to enable an overall conclusion of no new or different likely significant environmental effects to be reached. The cumulative effects have also been considered in detail from each change and Horizon also concludes 'no new or different likely significant environmental effects' as a result of all three proposed changes.
IACC-02	IACC consider that insufficient information on the impacts of the proposed changes to working hours and shift patterns is provided to allow the IACC to accept the assessments of impacts presented.	Horizon has undertaken modelling activities to inform impact assessments to determine any potential changes to the Draft DCO application. The modelling and assessment work for the candidate changes has followed the same approach taken in the Draft DCO application and Horizon considers that sufficient information has been provided to determine if any new or different likely significant environmental effects are generated. As a result of this feedback, Horizon has provided noise propagation figures in Appendix 1-7 of the Working Hours RfNMC No.4.

Ref	Comment	Horizon's Response
IACC-03	IACC objects to the changes to the working hours. IACC believes the proposed changes to the working hours constitutes a significant increase in construction activities over a 24-hour period which will have an unacceptable adverse impact on both environmental and human receptors. The proposed working hours conflict with construction times as recommended within British Standard's such as BS6472-2:2008 Guide to evaluation of human exposure to vibration and BS 5228-1:2009 Code of practice for noise and vibration control on construction and open sites. The change to working hours would result in the intensification of works on site which would constitute an unacceptable adverse impact on residential amenity of the local population in terms of noise and vibration.	In respect of the proposed changes to working hours, this doesn't represent a significant increase for construction activities over a 24 hour period from those presented in the Draft DCO application. BS5228-1:2009+A1:2014 does not set out recommended construction periods for activities on site. Instead the standard notes that for any NSP (Noise Sensitive Premises), some periods of the day will be more sensitive than others. For dwellings, times of site activity outside normal weekday and Saturday morning working hours will need special consideration. Correspondingly, the standard recommends lower noise limits for evening and night-time works, with both Table E.1 and Table E.2 of the standard setting out suites of noise levels covering the whole day/week period taking into account the varying sensitivities through these periods. The magnitude scale for long-term construction plant and machinery noise adopted by Horizon for the ES and in the request for change noise assessments reflects this advice; for example, the threshold between negligible and small magnitude of change at night is 13 dB lower than the equivalent threshold during the day. In respect of the noise impacts of the proposed extended working hours, noise modelling indicates that there will be a greater number of beneficial changes than adverse changes as a result of the proposed extension to working hours: • There will be a net increase of four residential receptors at which a large magnitude of change (major adverse effects) is predicted (an adverse change compared to the Draft DCO application).

Ref	Comment	Horizon's Response
		• There will be a net reduction of 79 residential receptors for which a medium magnitude of change (major adverse significance) is predicted (a beneficial change compared to the Draft DCO application). • There will be a net increase of 28 residential receptors for which a small magnitude of change (moderate significance) is predicted (an adverse change compared to the Draft DCO application). To mitigate the effects of increased construction noise during the evening and night, Horizon has lowered the eligibility criteria and extended the mitigation measures that may be provided by the Local Noise Mitigation Strategy (LNMS). Further information on the improvements to this scheme are set out in the Local Noise Mitigation Strategy Update [REP3-050] submitted at Deadline 3 (18 December 2018), and it is recommended also to read the LNMS Companion Guide [REP3-051] (also submitted at Deadline 3, (18 December 2018)) which provides additional information on how the strategy will be operated. In respect of blasting (and the recommendations in BS6472-2:2008), Horizon has considered feedback from IACC during the consultation process, and in response will commit to achieving a vibration level of 4.5mm/s PPV outside residences for 95% of blasts during the period 18.00-19.00. This change has been made in the request for non-material change submitted at Deadline 4 (17 January 2019).

Ref	Comment	Horizon's Response
IACC-04	The change to these aspects have the potential to have impacts on key project impacts, including worker accommodation and the impact on housing stock in North Anglesey. The impacts of these have not been properly assessed. The number of workers working longer shifts is not detailed and the potential risk to their well-being as well as the community is not properly considered. IACC objects to the changes to shift patterns on the basis of lack of full assessment of the potential impacts.	Horizon considered whether the proposed changes could have implications for all chapters of the ES and concluded that there is no impact on worker accommodation and off-site housing. IACC has not stated the reasons or provided evidence for why it believes a change in working hours for specified tasks within the WNDA may impact on worker accommodation and housing stock in North Anglesey. Furthermore, community safety / worker safety / shift length will be unaffected because there is no change in the total number of hours that any worker will be expected to work. The proposed change simply allows more efficient use of resource deployed to activities being undertaken on a 24/7 basis. This change results in a simple reallocation of resources from day to night shift and maintains the 70/30 split in day/night shift working covered in the Draft DCO. Horizon will ensure all shift working will be managed to ensure compliance with UK Working Time Regulations. Horizon considers that the assessment of impacts is therefore comprehensive and accurate as submitted.
IACC-05	3. Scope of changes The IACC notes that the proposed change no.4 on 'working hours' (at paragraph 2.2.3) introduces what appear to be 6 new haul routes. These are: two new circular haul routes (HRB1 and HR-B2) situated to the west of Tregele in construction zone 9, and one new haul route from construction zone 9 to Mound E (HR-011); a new haul route from the south extent of the deep excavations	New haul routes where introduced for modelling purposes based on discussions with earthworks contractors. The actual haul routes will need to change location to reflect the changing levels of the site and the formation of the mounds. Three of the new haul routes (HR-012, HR-013, HR-014) have been introduced to the model to support the removal of material from the deep excavations at night. These will facilitate the removal of won rock from the deep excavations and enable its transport to the platform at construction zone 6, and the marine construction areas (construction zones 2, 2A and 10).

Ref	Comment	Horizon's Response
	(construction zones 4 and 8) to construction zone 6 (HR-012); two new haul routes from the south extent of the deep excavations (construction zones 4 and 8) to construction zones 2 and 10 (HR-013), and from the north extent of the deep excavations (construction zones 4 and 8) to construction zones 2A and 2 (HR-014). Para 2.5.35 states that 'new construction noise modelling and assessment were undertaken to reflect change to working hours and consequential amendments to haul routes.' The IACC requests that these are submitted for review as soon as is practicable. IACC considers it inappropriate to introduce new haul routes within this documentation purportedly focusing on working hours. The IACC requests that HNP clarify the scope of the proposed change to include reference to these haul routes and demonstrate how these new haul routes shall not adversely affect residential receptors through submission of detailed noise assessments and revised noise contour maps.	Therefore, these haul routes directly support the activities which are the focus of the request for non-material change. Haul routes HR-011, HR-B1 and HR-B2 have arisen due to a greater understanding of the needs of the soft grading activities, and as part of the noise mitigation strategy associated with the proposed change. These haul routes will allow the soft grading activities to be expedited, which in turn will reduce the duration of the noise associated with this activity. Many of the noise impacts associated with the Draft DCO application arise due to the need for dumper trucks associated with site grading, and those associated with the transportation of won material from the deep excavations, to traverse Landscape Mound A at the same time in the programme. This results in a large number of dumper trucks operating on Landscape Mound A in close proximity to Cemaes. The new haul routes modelled enable much of the material arising from soft grading works to be deposited at Landscape Mound B1 and Landscape Mound E, which reduces the number of dumper trucks visiting Landscape Mound A next to Cemaes, and thus benefits residents in that location compared to the Draft DCO application. The number of properties which may benefit from the new haul routes for soft grading is greater than the number of properties in and around Tregele which would be subject to worse effects. It should be noted that all haul routes are illustrative and will be subject to detailed design which may alter their alignments and levels. The haul routes utilised for the environmental assessment are deliberately a worst-case in terms of likely alignment, and in terms of heavy plant numbers, so as to result in conservative assessments.

Ref	Comment	Horizon's Response
		Horizon confirms that the effects of these new haul routes are included in the noise assessment supporting the working hours request for non-material change, and that plans showing the noise levels at off-site receptors are included in the documents entered into examination.
IACC-06	With respect to air quality, noise and health Horizon concludes that there would be no new effects and no change to the significance ratings of predicted effects relating to the revised shift patterns and working hours. The same conclusions are reached with respect to potential for and scope of cumulative effects. IACC concludes that these findings are rational given that they are based largely on the outcome of the updated traffic modelling. However, IACC seeks clarification regarding para 2.5.56 and whether the alterations proposed within Non-Material Change No 5: HGV Delivery Window, have indeed been factored into / accounted for in the revised Calculation of Road Traffic Noise due to the changes in timings and vehicle movements as proposed.	Horizon acknowledges IACCs view that conclusions for shift patterns and working hours are rational with respect to air quality, noise and health. The Request for Non-Material Change No. 5 HGV movements only seeks to amend the delivery window of HGV movements to allow the same number of HGVs to be spread over a greater timeframe. It does not increase the number of HGVs compared to the number presented in the Draft DCO application (Non-Material Change No 5: HGV Delivery Window does not seek an increase in HGV numbers, only wider delivery windows during the daytime). Non-Material Change No 5: HGV Delivery Window does not propose any changes at night. The CRTN noise predictions for the daytime which are undertaken in support of Non-Material Change No 1: Worker Shift Pattern are based on the 18-hour AAWT traffic flows from 06.00-00.00 hrs, from which both LA10,18hr (the traditional metric for describing road traffic noise in the UK) and LAeq,16hr (a contemporary metric describing noise over the period 07.00-23.00 hrs which is used in many international noise dose-effect health studies) are derived. The total number of HGV movements within the 06.00-00.00 hrs period will remain the same regardless of whether they are distributed between 07.00-19.00 hrs, or 07.00-23.00 hrs, and therefore Non-Material Change No 5: HGV

Ref	Comment	Horizon's Response
		Delivery Window does not affect the number of HGV movements assumed in Non-Material Change No 1: Worker Shift Pattern.
IACC-07	The IACC cannot concur with HNP's assumption; "Therefore, it is concluded that the proposed change will lead to an improvement compared to the DCO application for a large number of residents". Insufficient noise modelling result data is provided to IACC in order to demonstrate the accuracy of Horizon's assessment on noise. For example, HNP state that noise modelling results indicate that 4 residential receptors (homes) would be major adversely affected, but HNP have not provided decibel levels or locations. HNP state that there are also 28 residential receptors (homes), that will experience a 'negligible magnitude of change'; again, no decibel levels or address locations are provided. Horizon indicate that additional noise models have been 'added' to the DCO application processes (Para 2.5.38). The IACC is not clear why such noise models have not been incorporated within this NMC document as they have a direct correlation with the noise impacts being proposed from altering the working hours. This information is required to be provided. Horizon have not demonstrated how the adoption of the LNMS and various other mitigation measures will reduce adverse impacts	Horizon acknowledges that potential effects at individual properties cannot be identified from the consultation report. However, the noise modelling which has been undertaken is identical in methodology to that which supports the Draft DCO application, and due to this consultation response, detailed noise maps have been provided with the HGV and Working Hours requests for non-material change that have been submitted into examination. This show future noise levels at individual properties. In addition, further explanation is provided in the reports around newly affected properties, and those at which the effects are expected to reduce as a result of the proposed changes. As detailed in the Deadline 3 submissions (18 December 2018), in response to comments made through the Statement of Common Ground process with the North Anglesey Community Partnership and IACC, relevant representations received in August on the Draft DCO application, and in light of the potential Requests for Non-Material Change, Horizon has lowered the eligibility criteria and extended the mitigation measures that may be provided by the LNMS. The mitigation measures available under the LNMS fall into two categories as set out below. The LNMS measures will be provided and installed free of charge. **Noise insulation package** The 'noise insulation package' contains measures to improve noise insulation in eligible rooms of eligible buildings. Its aim is to improve

Ref	Comment	Horizon's Response
	(i.e. decibel levels), as a result of the changes proposed for the working hours. Further detail is required; ideally through noise contour mapping and noise modelling for each property/area.	noise insulation for qualifying windows and doors whilst ensuring adequate ventilation. Specifically the noise insulation measures which will be available for eligible buildings include: - Either secondary glazing (to fit inside existing windows) or replacement double-glazing windows - Noise insulated ventilation - External doors with improved noise insulation - Internal solar or blackout blinds **Enhanced measures** Two 'enhanced measures' may be offered where there is a need and scope to provide additional noise insulation for conservatories and/or gardens. These are: - Acoustic fencing - Noise insulation for conservatories The 'noise insulation package' measures are intended to reduce noise levels within dwellings, rather than outside them. However, a recent commitment has been made by Horizon in respect of the 'enhanced measures' to provide acoustic fences to gardens in some situations, would provide limited noise reductions in outdoor areas. This commitment will be included in the section 8.5 of the updated Wylfa Newydd CoCP to be submittedat Deadline 5 (12 February 2019). The Wylfa Newydd CoCP [REP2-031] forms part of the Draft DCO application for the Wylfa Newydd DCO Project. It is expected to be secured under Requirement PW7 in the Draft DCO [REP2-020]. The practical feasibility of installing each of the LNMS measures at an eligible building will be subject to a survey. During the survey, the

Ref	Comment	Horizon's Response
		surveyor will be able to provide further information and clarification. Additional conditions apply for the enhanced measures. Horizon will be available throughout the LNMS process to help with any queries. Each element of the noise insulation package, and how they will benefit residents, are detailed below. **Secondary glazing** Secondary glazing is where a separate pane of glass is installed typically 100 – 200 mm inside the existing window (which remains in place). This can normally be opened for cleaning and ventilation. Compared to double glazing, secondary glazing tends to be more effective at reducing noise. The noise reduction benefit tends to be greatest at the lower frequencies associated with construction activities and road traffic movements. **Double glazing** The double-glazing option consists of two panes of glass, typically around 12-20mm apart in a sealed casing, which is installed to replace the existing window. Double glazing is designed to reduce thermal loss (keeping rooms warm) and to reduce noise. If a LNMS applicant wishes to take up the offer of double glazing, they will be made aware that it may not perform as well as secondary glazing in reducing the noise levels associated with construction activities and road traffic movements. If double glazing is selected, it will not be possible for an occupier or owner to apply for secondary glazing at a later date. **Acoustic ventilation** Windows work best to control noise when they are kept closed.

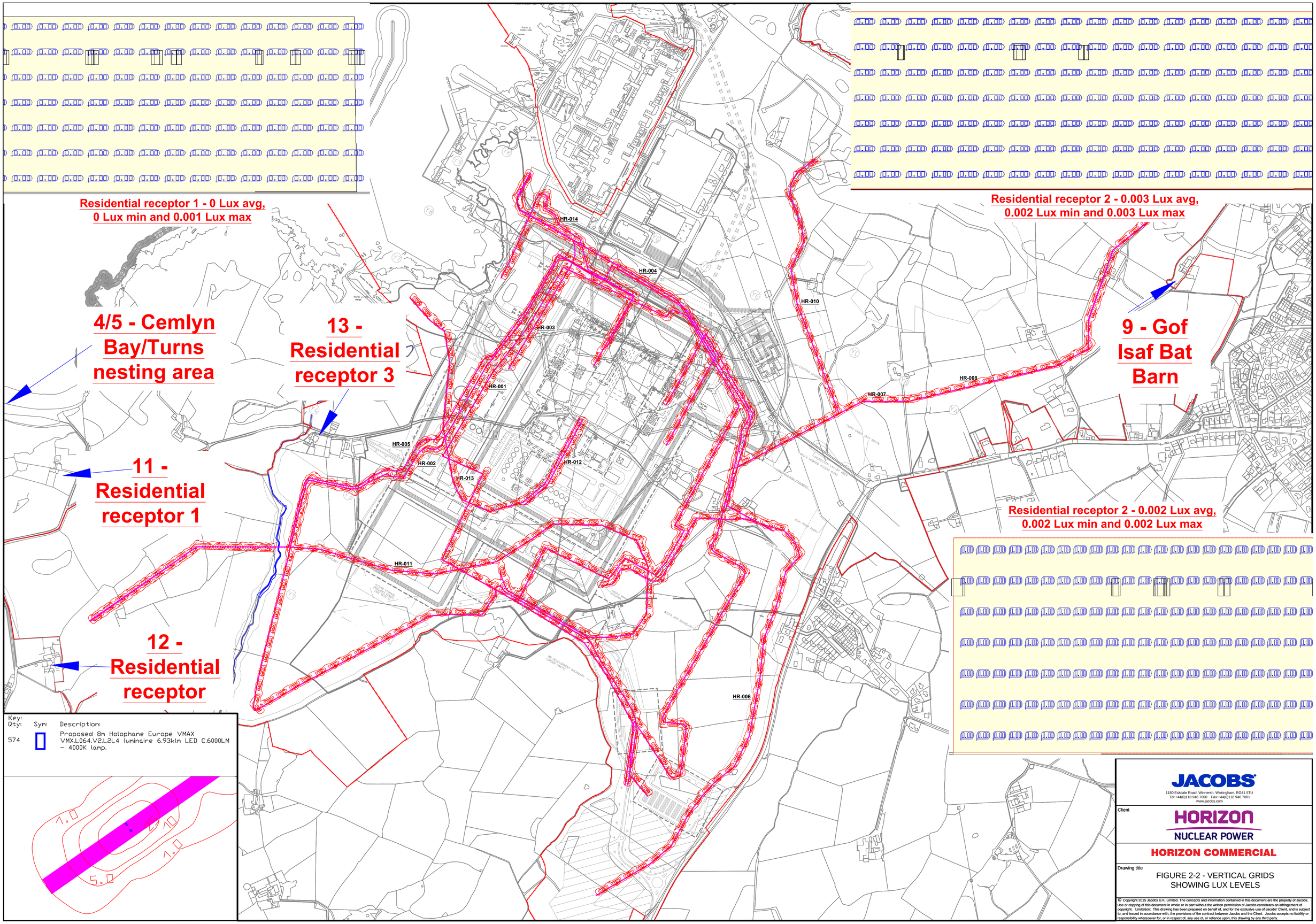
Ref	Comment	Horizon's Response
		Acoustic ventilation will be offered to residents to that rooms can be ventilated even when windows are closed. Acoustic ventilators typically involve fixing a small electric ventilator fan in a housing mounted on the inside face of an external wall and installing an air duct through the wall so that the fan can draw fresh air in from outside. The ventilator provides fresh air but reduces sound transferring from outside to inside. **Acoustic treatment for external doors** Where an eligible room includes a qualifying door, it may be possible to provide a secondary door or a replacement double glazed door to improve noise insulation. The practicality of such measures will be assessed on a case by case basis during the survey stage. **Internal solar blinds or blackout blinds** Internal solar blinds are designed to help reduce the amount of heat within a room by reducing the transmittance of sunlight through windows. They are fitted close to the internal pane of a window (inside the eligible room) and are particularly useful in helping prevent rooms with south facing windows from becoming too warm when windows are closed. Where an eligible room includes a qualifying door, it may be possible to provide a secondary door or a replacement double glazed door to improve noise insulation. The practicality of such measures will be assessed on a case by case basis during the survey stage. For further information of the LNMS please refer to the Local Noise Mitigation Strategy (Companion Guide) [REP3-051] submitted at Deadline 3 (18 December 2018). If your building is potentially eligible,

Ref	Comment	Horizon's Response
		Horizon will contact you and provide an LNMS application pack in due course.
IACC-08	The proposed change documents state that Horizon shall strictly adhere to BS6472-2, this contradicts NMC 1: Blasting, where Horizon have requested an alteration to the timings from those recommend within BS6472-2:2008. The IACC maintains its objection to any departure from the timings set out in that BS as advised in our response to NMC1.	Horizon has considered this feedback from IACC during the consultation process, and in response will commit to achieving a vibration level of 4.5mm/s PPV outside residences for 95% of blasts during the period 18.00-19.00. This change to blasting limits will be made in the Wylfa Newydd CoCP to be submitted at Deadline 5 (12 February 2019) and brings the proposed change in line with the vibration limits recommended in BS6472-2.
IACC-09	Insufficient detail is provided on the lighting impact assessment (i.e. photomontages, updated lighting modelling maps or indicative mapping of lighting positions) are required to allow the IACC to determine to whether or not such lighting (particularly on the 6 new haul routes), is acceptable.	The change requested does not generate any new or likely different significant environmental effects. Appendix 1-6 of the Working Hours RfNMC shows vertical grids with light levels which support Horizon's summary of effects.

Ref	Comment	Horizon's Response
IACC-10	For the reasons outlined above, the IACC consider the proposed changes to the DCO application as being material as they will change the impacts of the project (individually and cumulatively). The impacts have not been adequately assessed as part of the DCO application process. Given the materiality of these changes, presenting these changes as 'non-material' is unacceptable.	Horizon considers that the assessment of impacts of the proposed changes is comprehensive, and the proposed changes have been shown to be non-material both individually and cumulatively. IACC has offered no evidence to the contrary.

Appendix 1-6 Light receptor vertical grids

[This page is intentionally blank]



JACOBS

1180 Eskdale Road, Winnersh, Wokingham, RG41 5TU
Tel:+44(0)118 946 7000 Fax:+44(0)118 946 7001
www.jacobs.com

Client

HORIZON NUCLEAR POWER

HORIZON COMMERCIAL

Drawing title

FIGURE 2-2 - VERTICAL GRIDS SHOWING LUX LEVELS

© Copyright 2015 Jacobs U.K. Limited. The concepts and information contained in this document are the property of Jacobs. Use or copying of this document in whole or in part without the written permission of Jacobs constitutes an infringement of copyright. Limitation: This drawing has been prepared on behalf of, and for the exclusive use of Jacobs' Client, and is subject to, and issued in accordance with, the provisions of the contract between Jacobs and the Client. Jacobs accepts no liability or responsibility whatsoever for, or in respect of, any use of, or reliance upon, this drawing by any third party.

Appendix 1-7 Noise plots

[This page is intentionally blank]

OVERVIEW OF FIGURE SHEETS

Legend

Figure Sheet

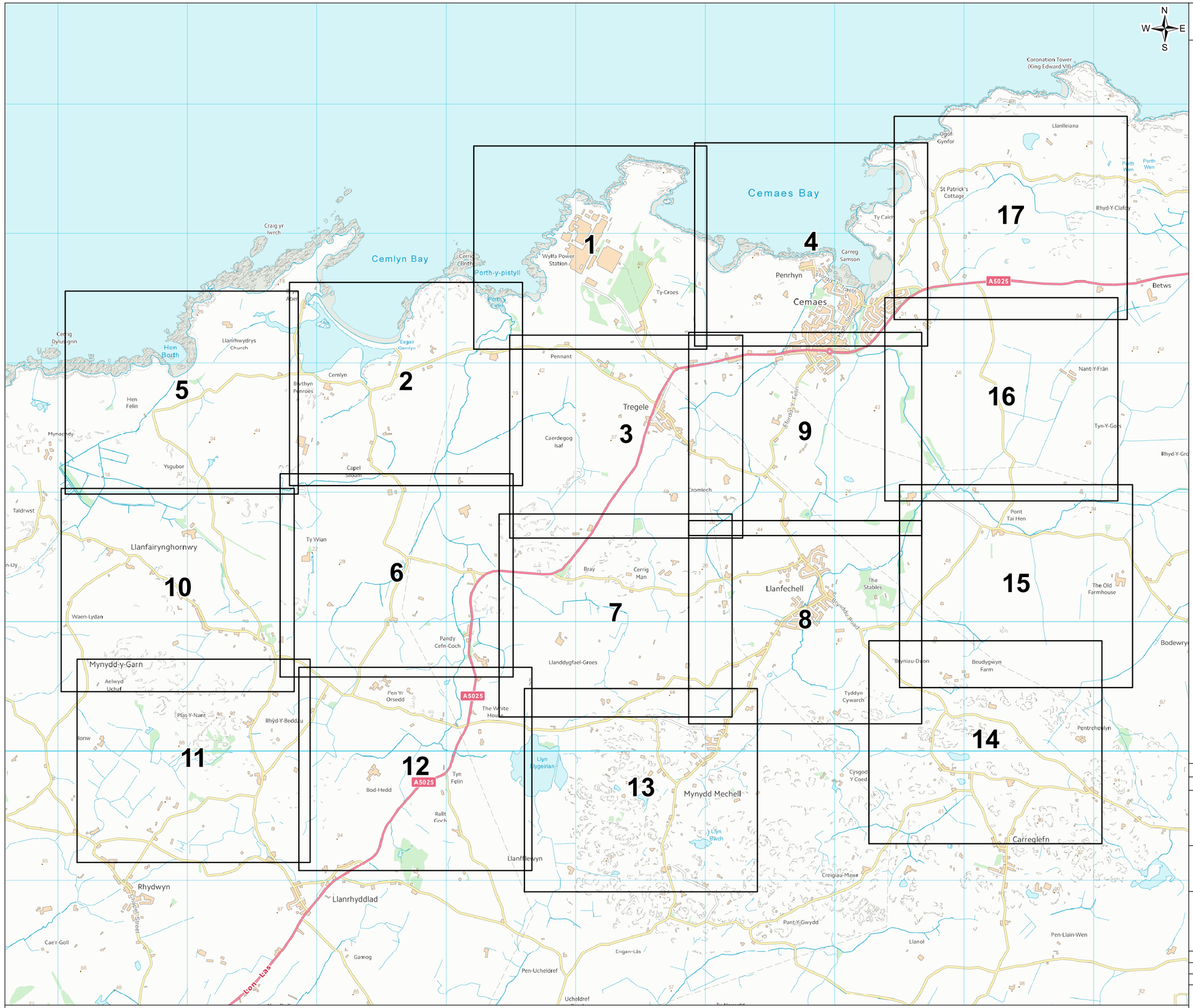
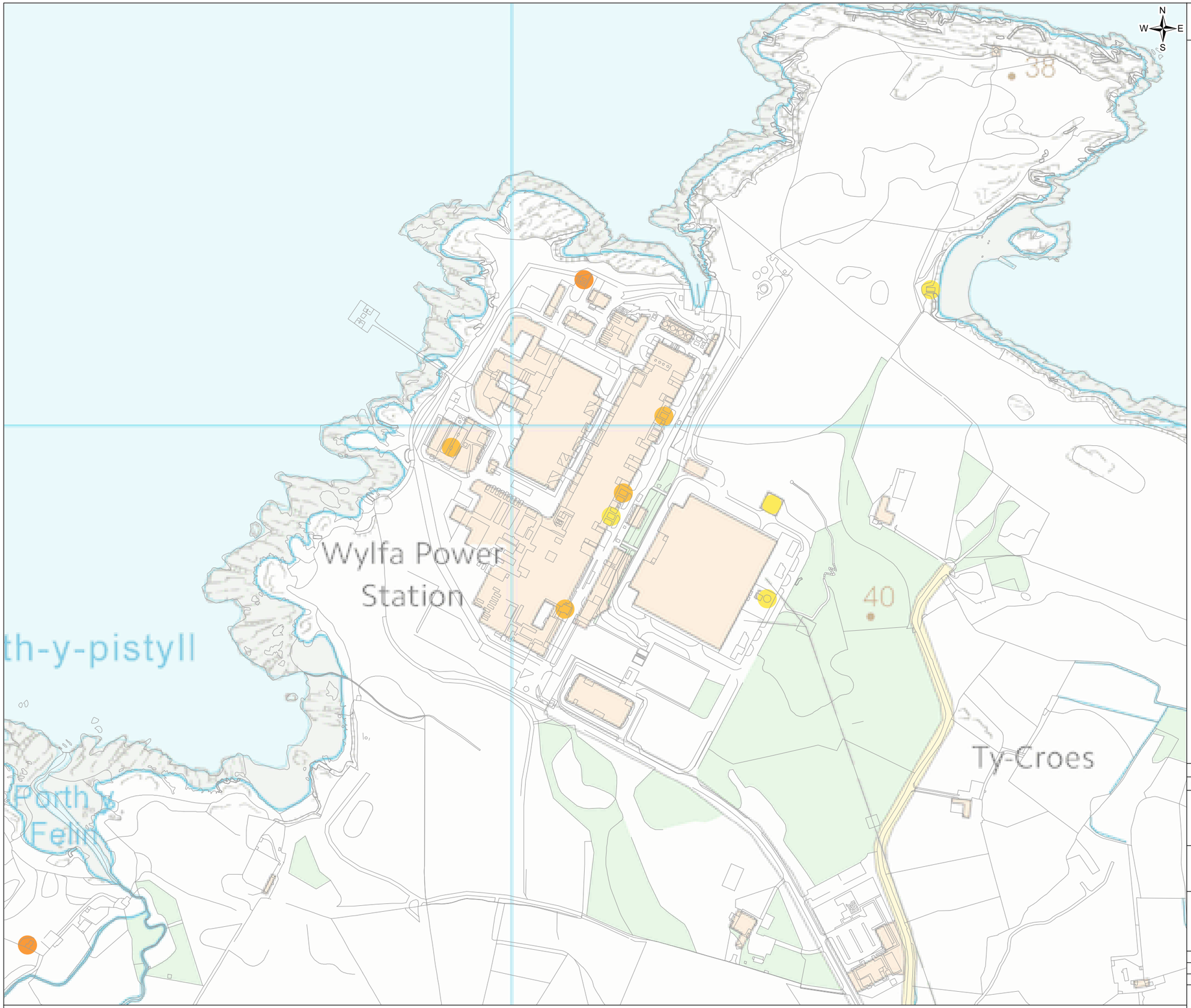

N
W
E
S
1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
Cemaes Bay
Cemlyn Bay
Porth-y-pistyll
Wylfa Power Station
Penrhyn
Cemaes
Carreg Samson
Ogof Gynfor
St Patrick's Cottage
Llanlleiana
Rhyd-Y-Clafdy
Coronation Tower (King Edward VII)
Craig yr Iwrch
Cerrig Brith
Ty-Croes
Porth Wen
A5025
Betws
Nant-Y-Frân
Tyn-Y-Gors
Pont Tai Hen
Pennant
Tregele
Caerdegog Isaf
Cromlech
Bloody-Y-Felin
Llanfechell
The Stables
The Old Farmhouse
Bodewryd
Bryniau-Deon
Beudygwyn Farm
Tyddyn Cywarch
Pentrehelyn
Carreglefn
Cysgod Y Coed
Mynydd Mechell
Llyn Bwch
Llyn Llygeirian
Llanfflewyn
Creigiau-Mawr
Pant-Y-Gwydd
Llanol
Pen-Llain-Wen
Engan-Las
Pen-Ucheldref
Ucheldref
Llanfairynghornwy
Ty Wian
Bray
Cerrig Man
Waen-Lydan
Mynydd-y-Garn
Aelwyd Uchaf
Pandy Cefn-Coch
Llanddygfael-Groes
Pen Yr Orsedd
The White House
Tyn Felin
Bod-Hedd
Rallt Goch
Plas-Y-Nant
Rhŷd-Y-Beddau
Bonw
Rhydwyn
Llanrhyddlad
Chapel Street
Lon Las
Gamog
Cae'r-Goll
Taldrwst
Ysgubor
Capel Siloam
Mynachdy
Hen Felin
Llanrhwydrys Church
Cemlyn
Bwthyn Penrhos
Eglwys Cemlyn
Hon Borth
Porth Eilian
Porth Aber
Carreg Dylusgrin
Ty Calch
Llyn Traeth
Llyn Silver
Ty Croes
Wylfa Power Station
Ty Calch
Porth Wen
Rhyd-Y-Clafdy
Nant-Y-Frân
Tyn-Y-Gors
Rhyd-Y-Gro
Bodewryd
Pentrehelyn
Carreglefn
Pont Tai Hen
Pen-Llain-Wen
Llanol
Pant-Y-Gwydd
Creigiau-Mawr
Llanfflewyn
Llyn Llygeirian
Llyn Bwch
Mynydd Mechell
Cysgod Y Coed
Tyddyn Cywarch
Beudygwyn Farm
Bryniau-Deon
Llanfechell
Brynddu Road
Pen-Ucheldref
Engan-Las
Llanol
Pen-Llain-Wen
Creigiau-Mawr
Pant-Y-Gwydd

FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 7 TO 9 (DAYTIME)
SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 1

Esgair Gemlyn

Cemlyn

Capel

Porth Felin

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 1

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

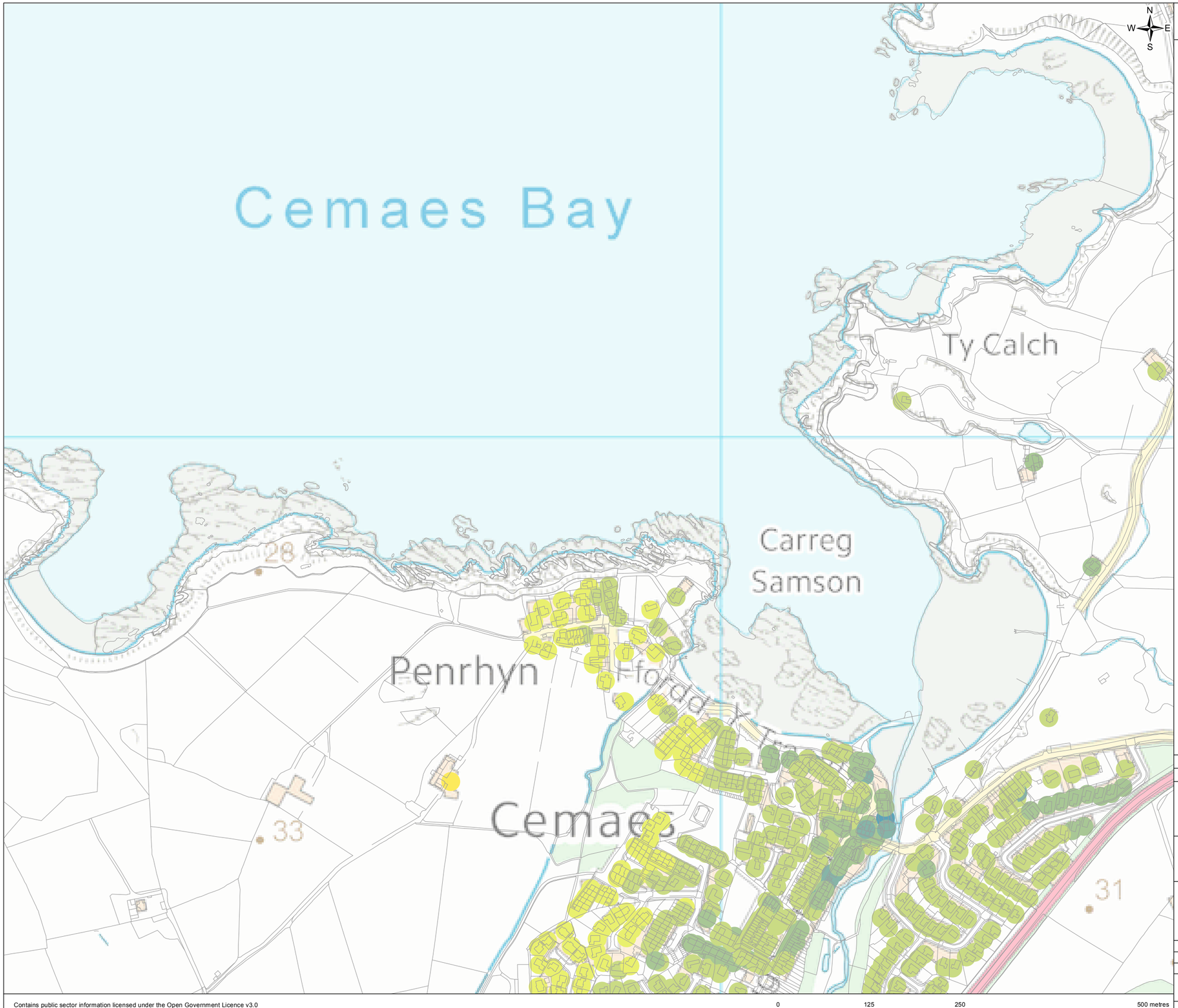
60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

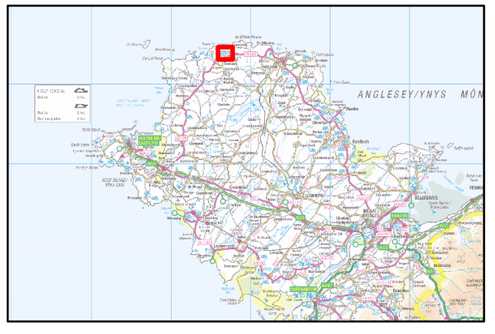
FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

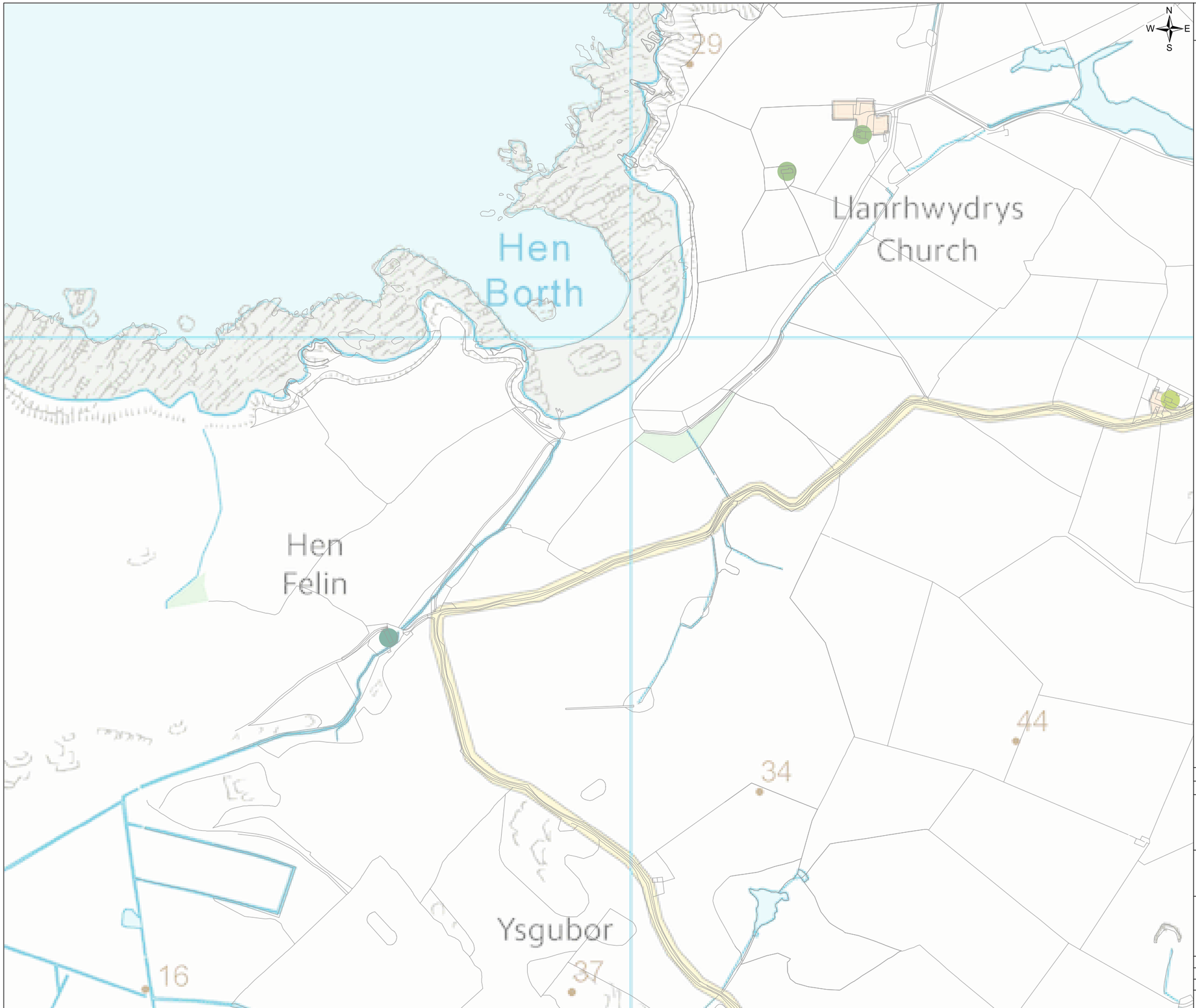
60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

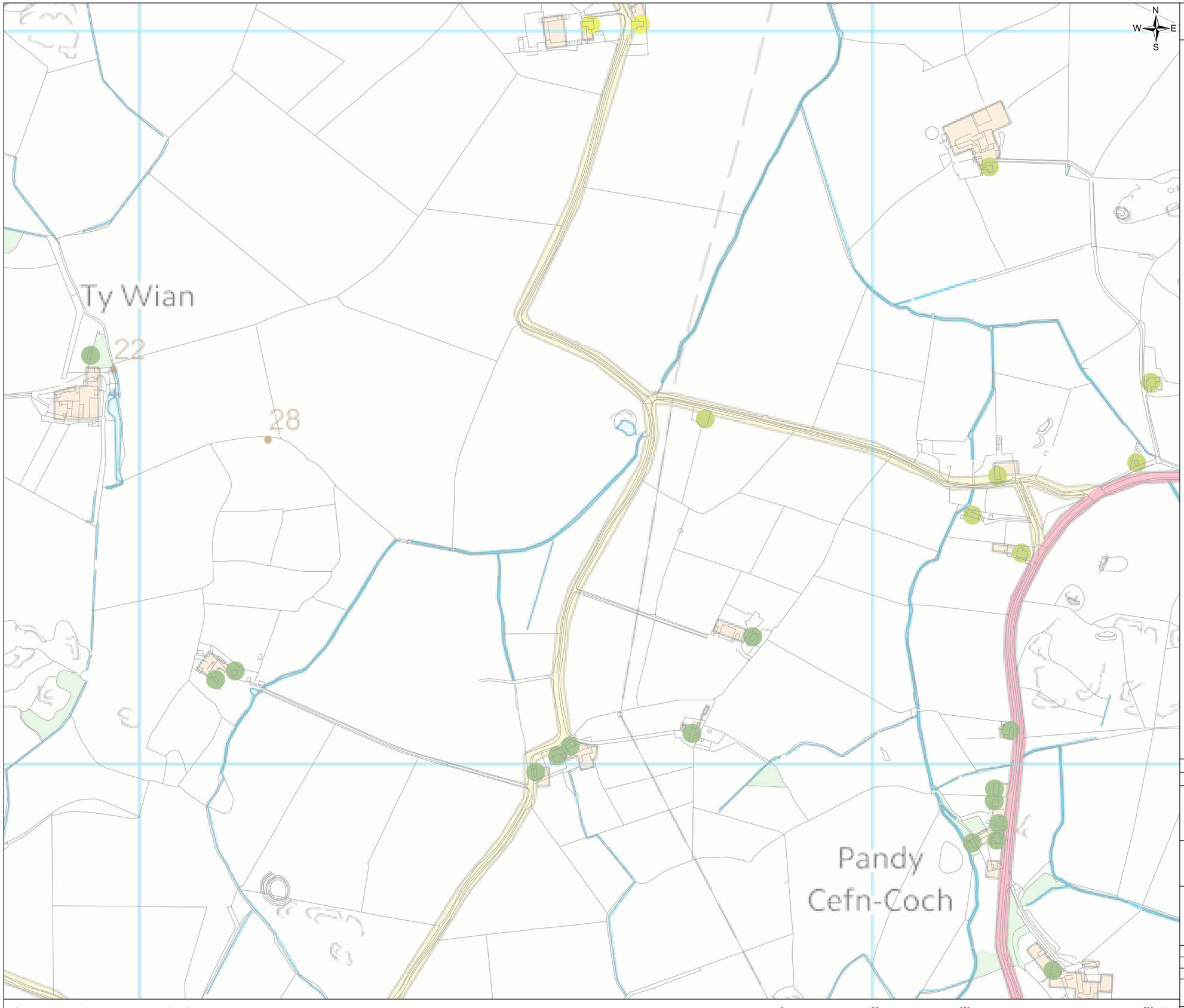


FIGURE 1

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

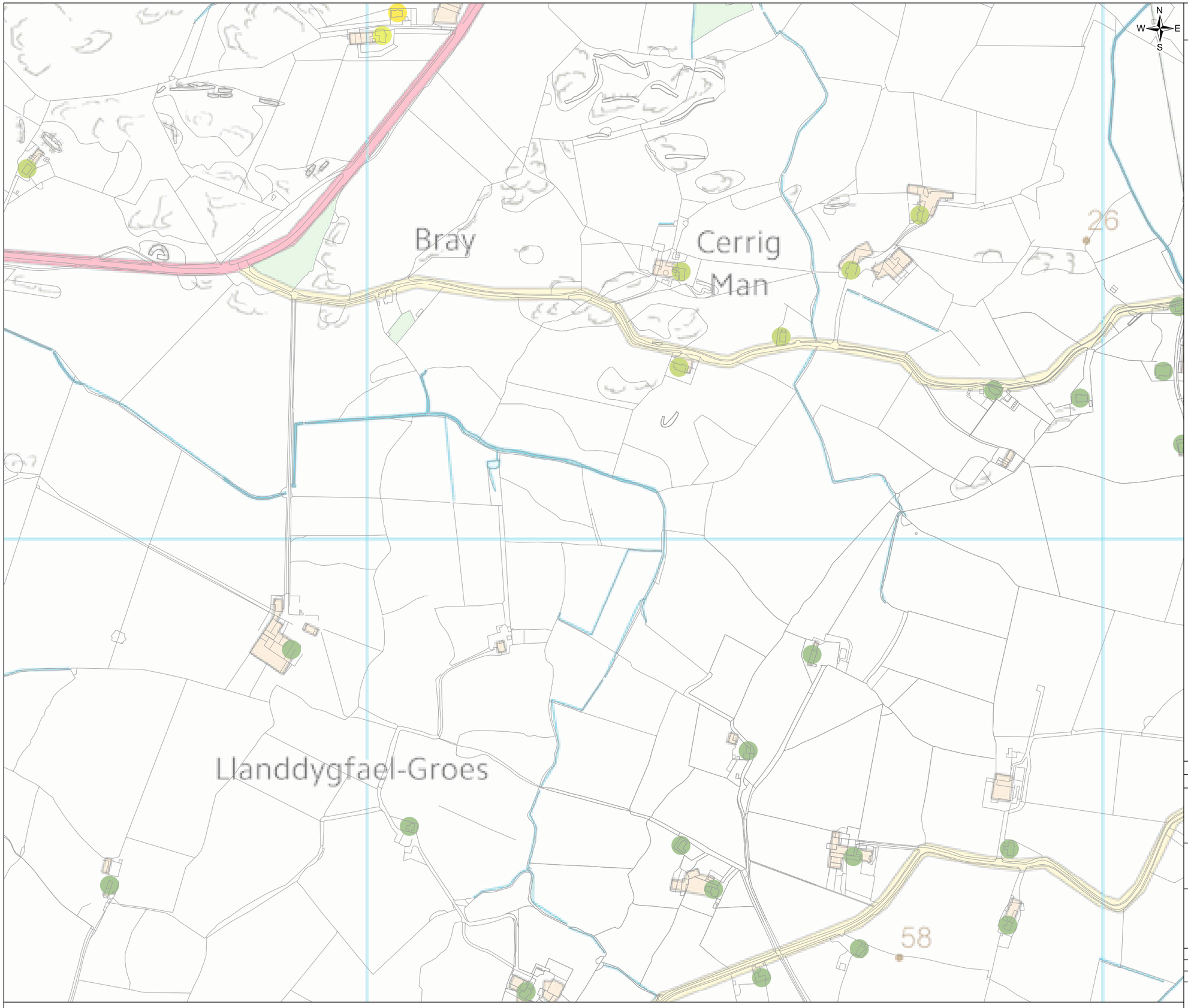
Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

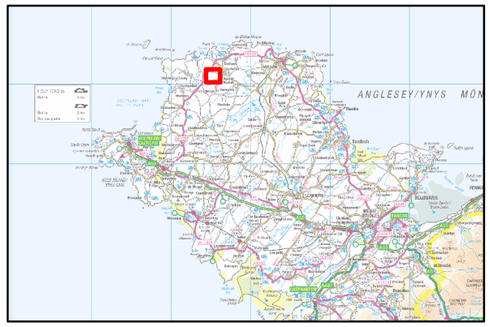
FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

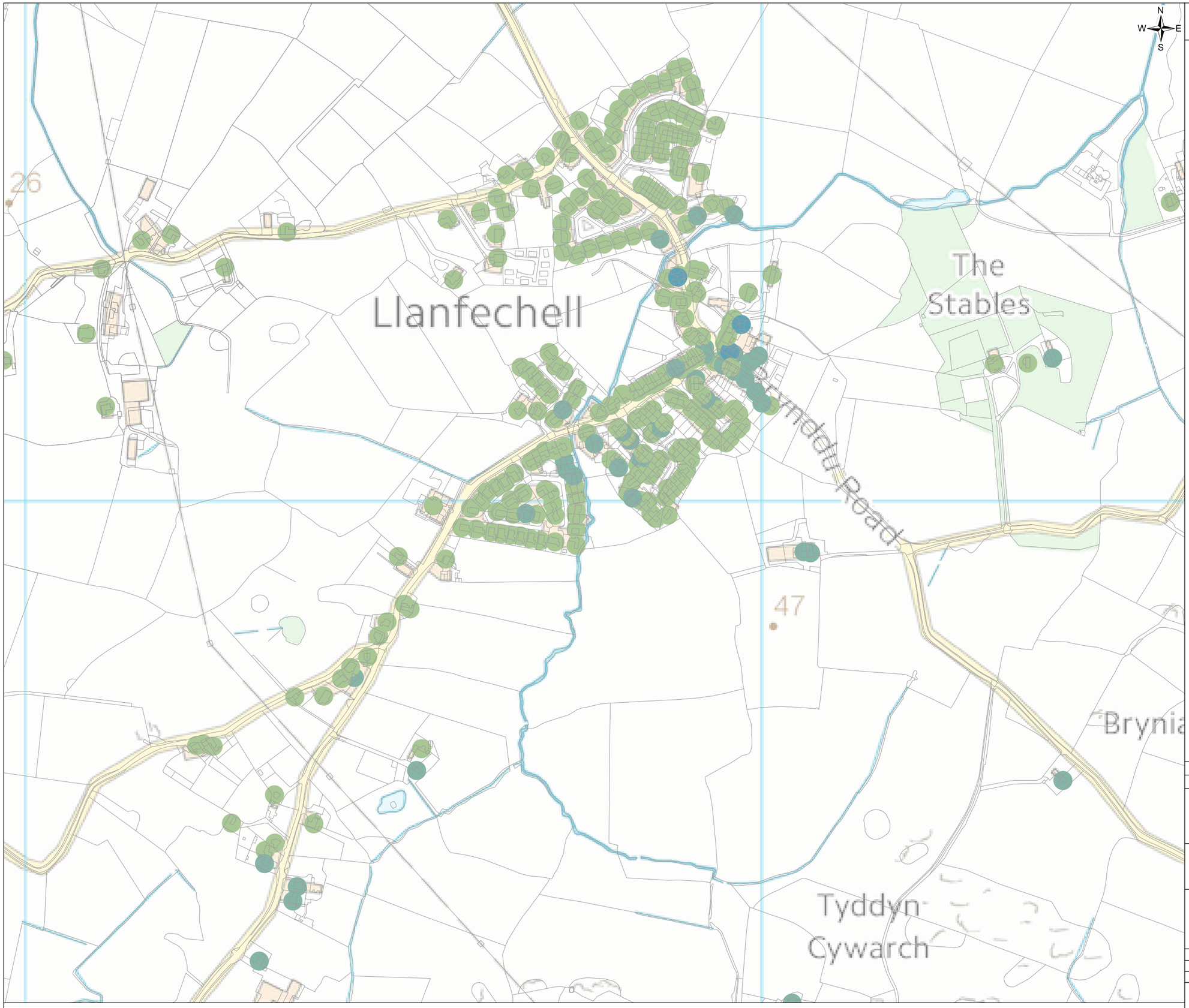
60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 7 TO 9 (DAYTIME)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

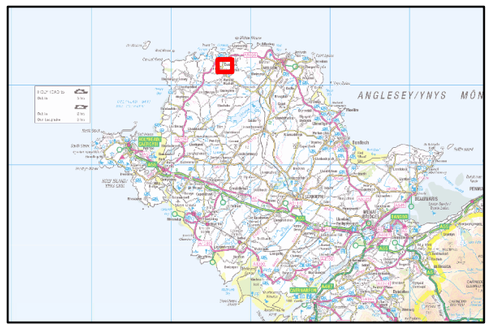
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

FIGURE 1

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

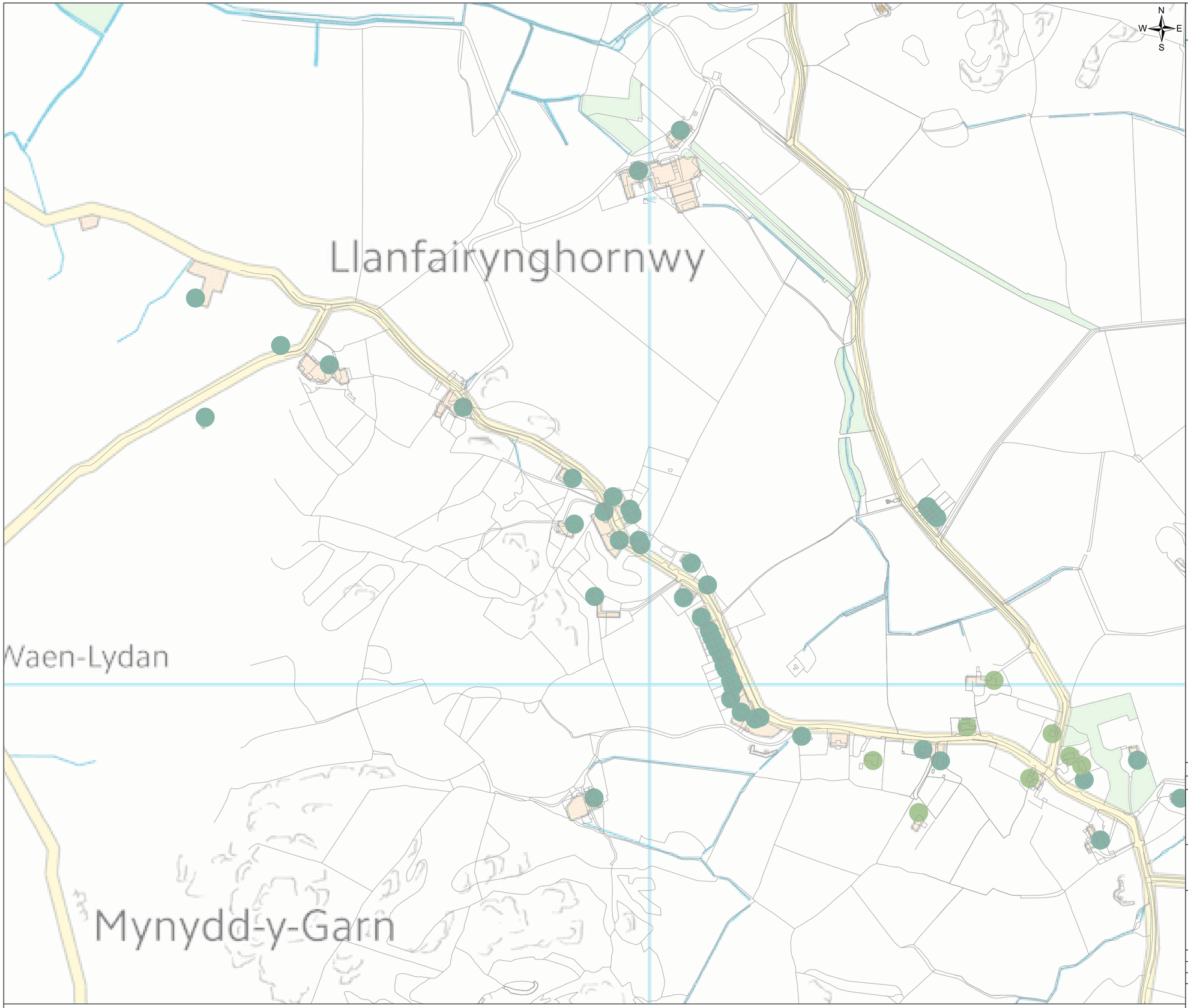


FIGURE 1

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

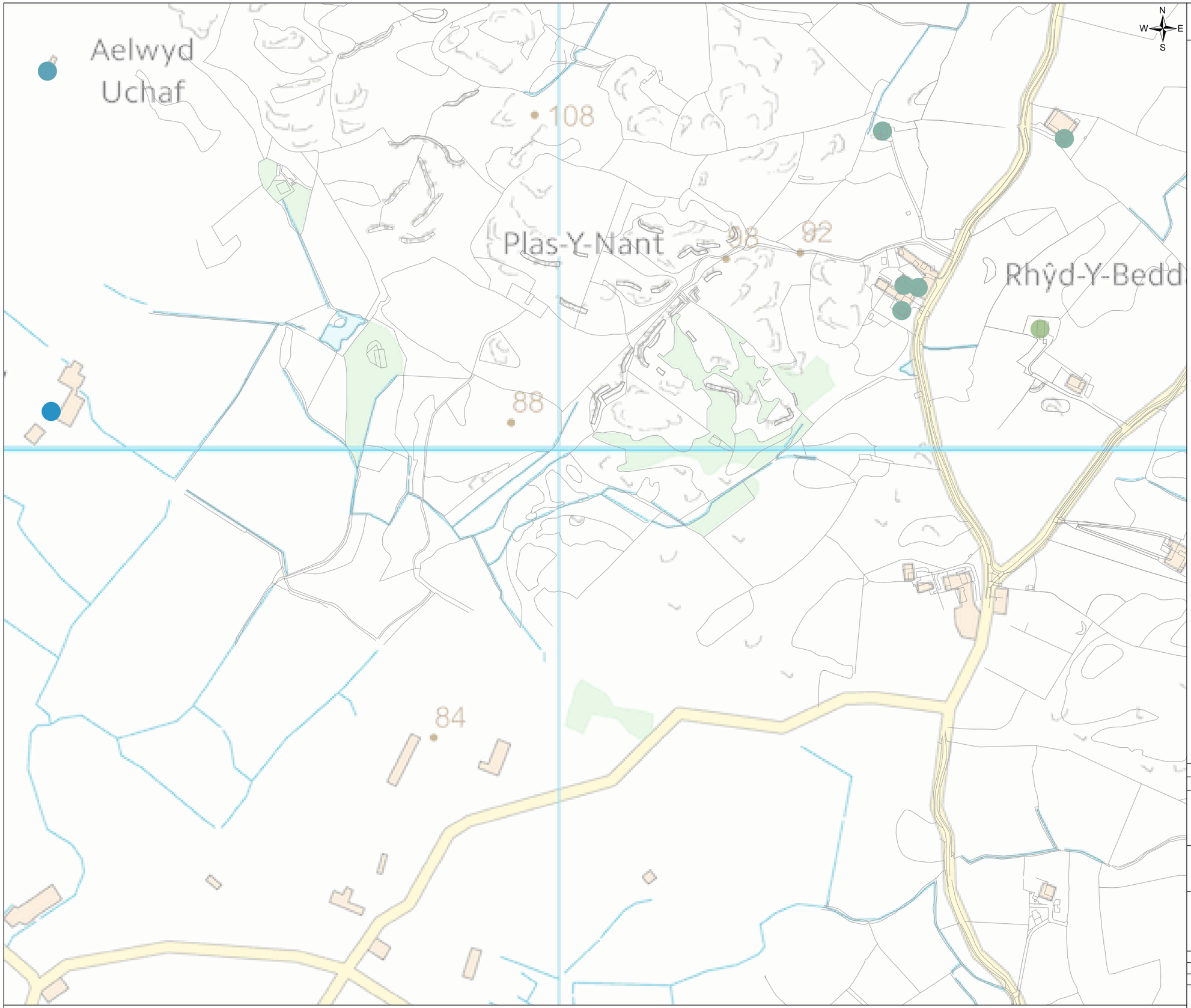
60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

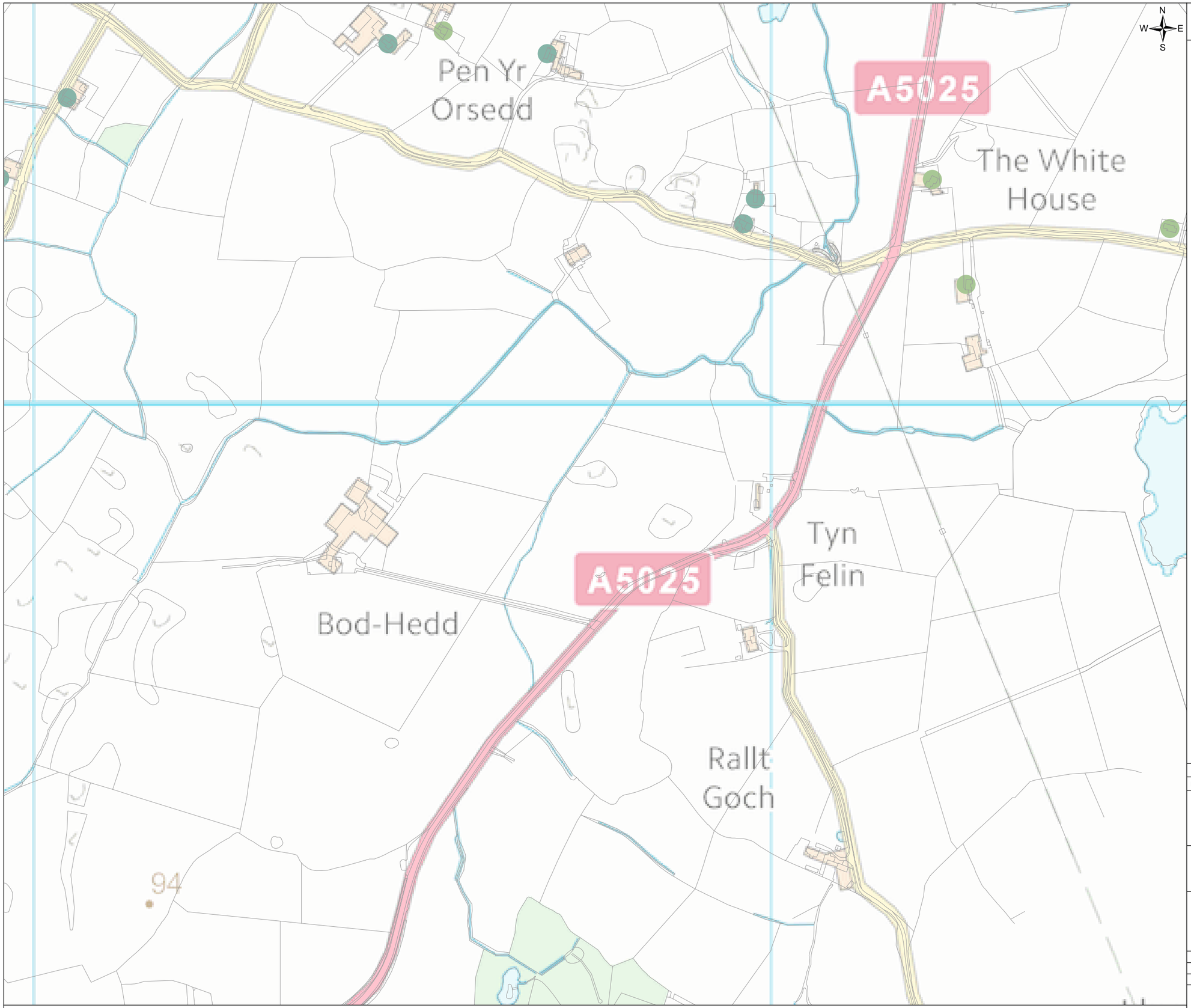
60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

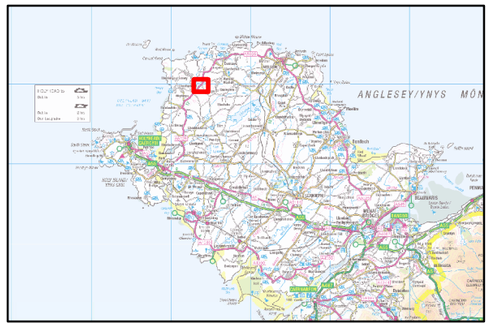
FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

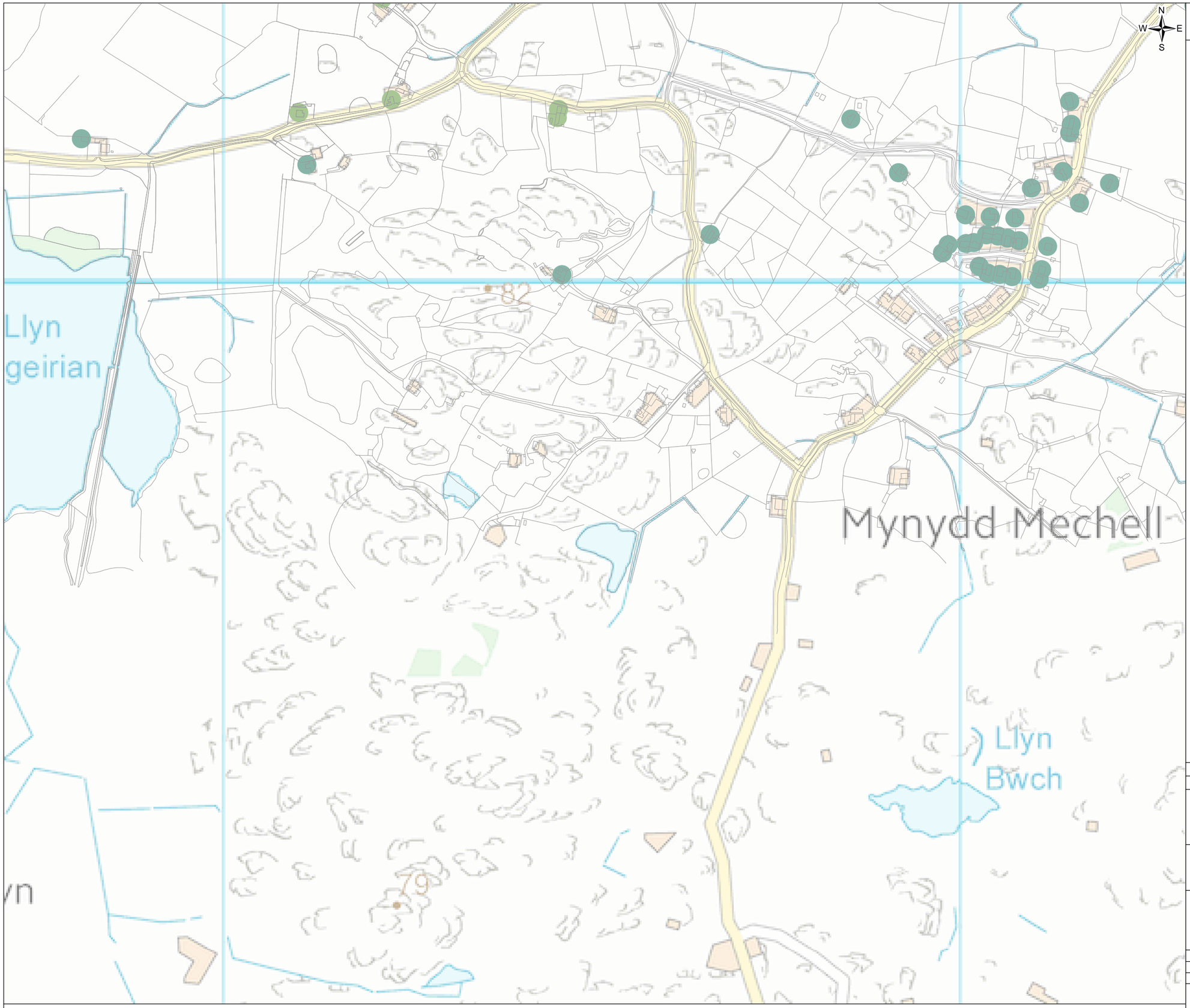
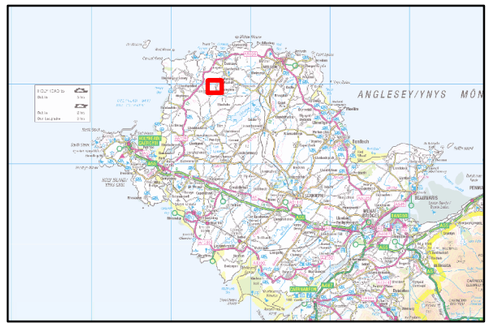


FIGURE 1

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

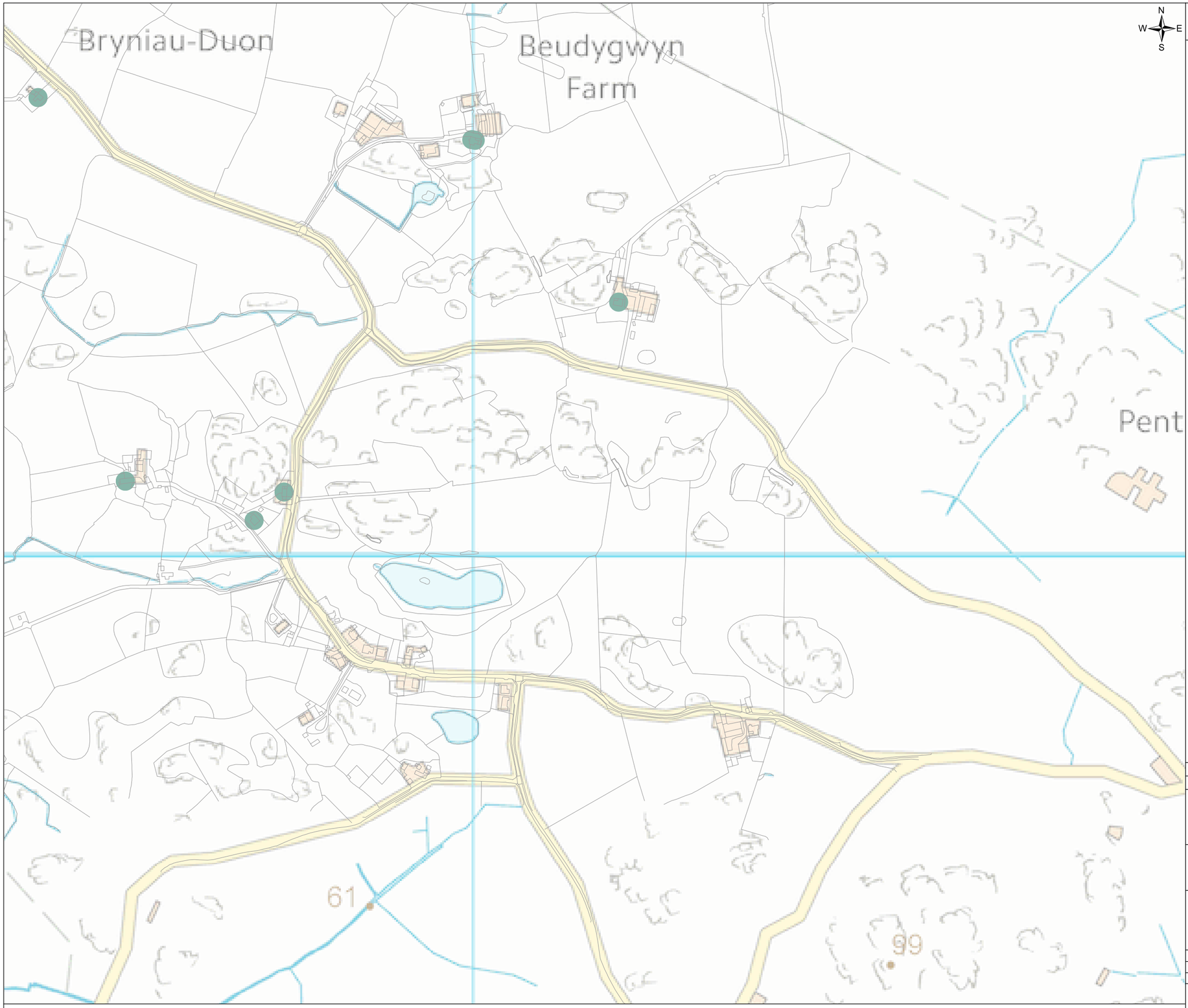


FIGURE 1

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

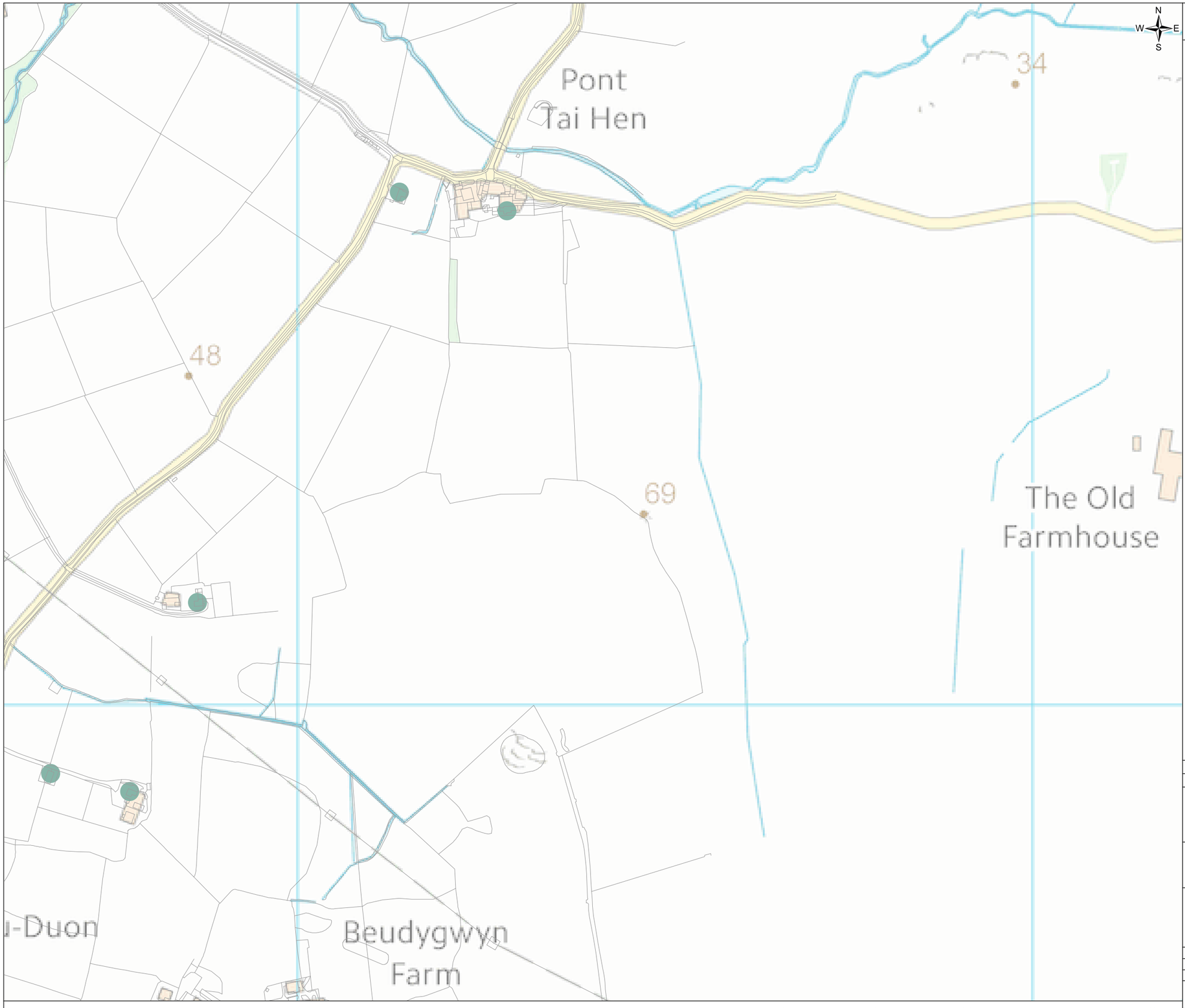
60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

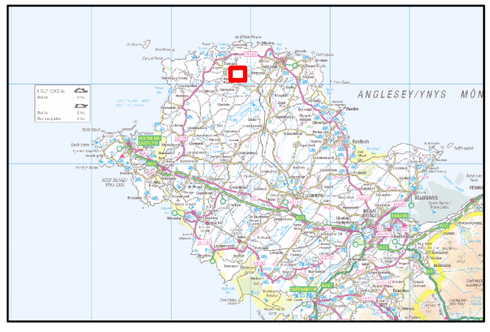
FIGURE 1



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

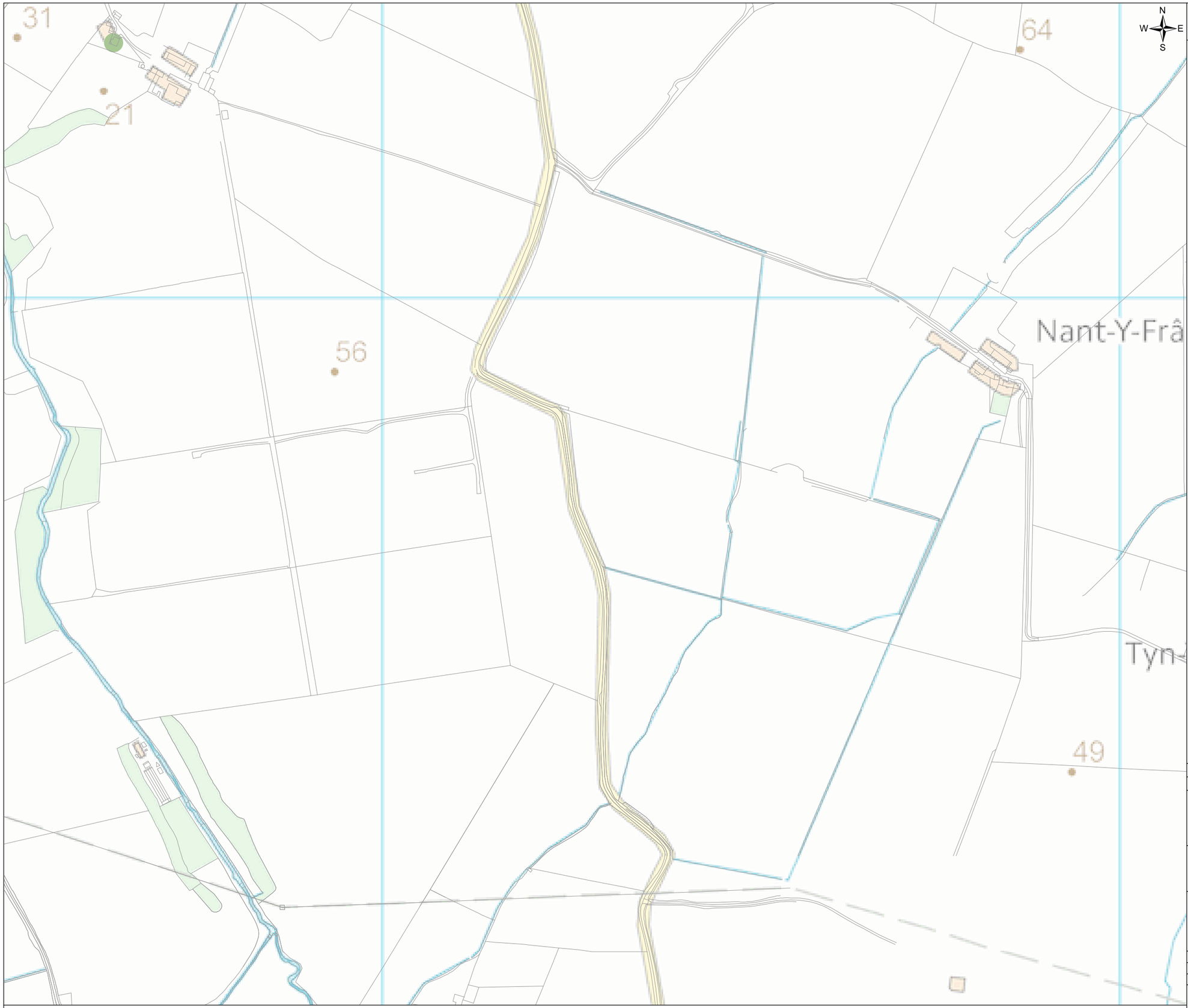


FIGURE 1

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

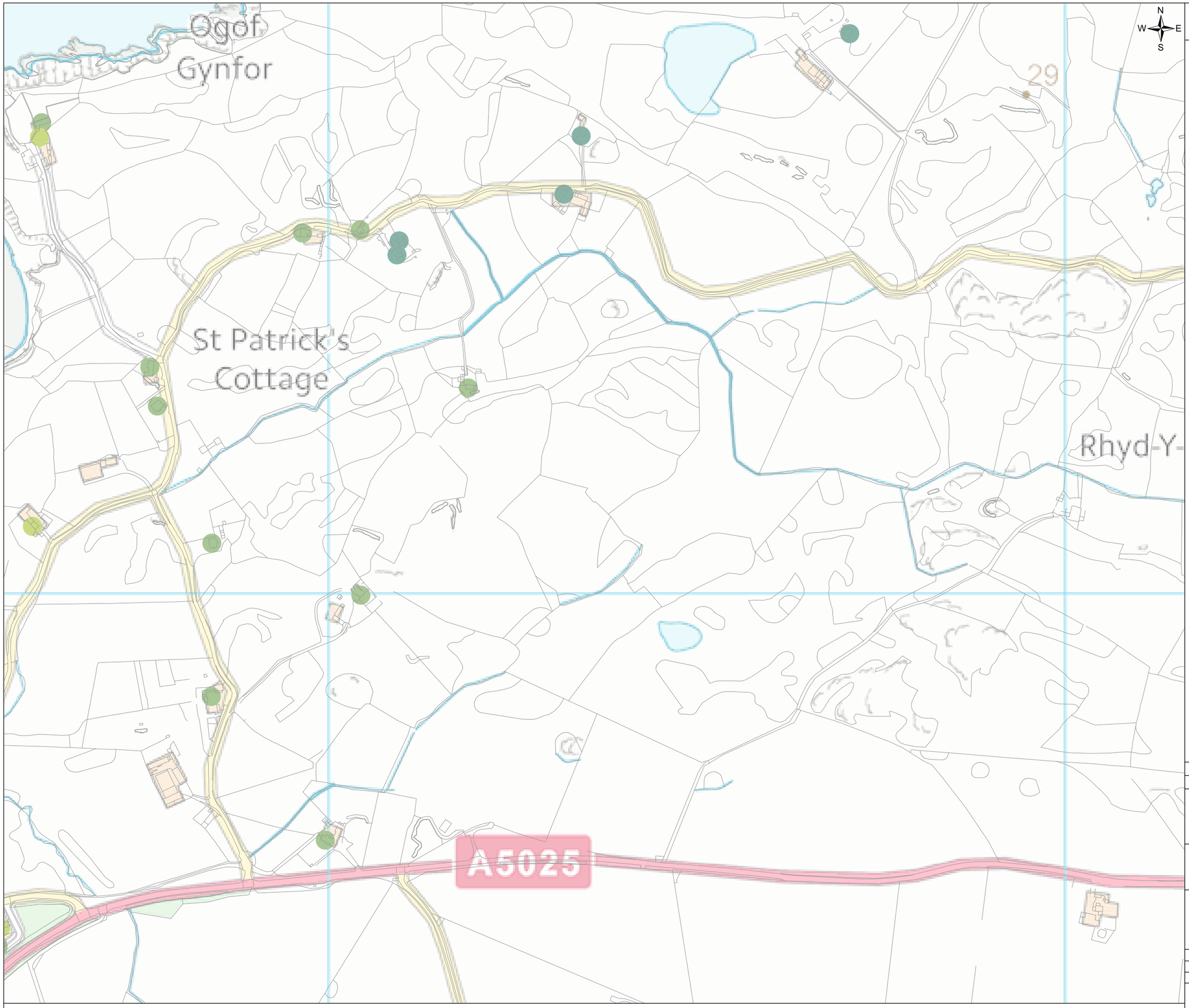


FIGURE 1

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (DAYTIME)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

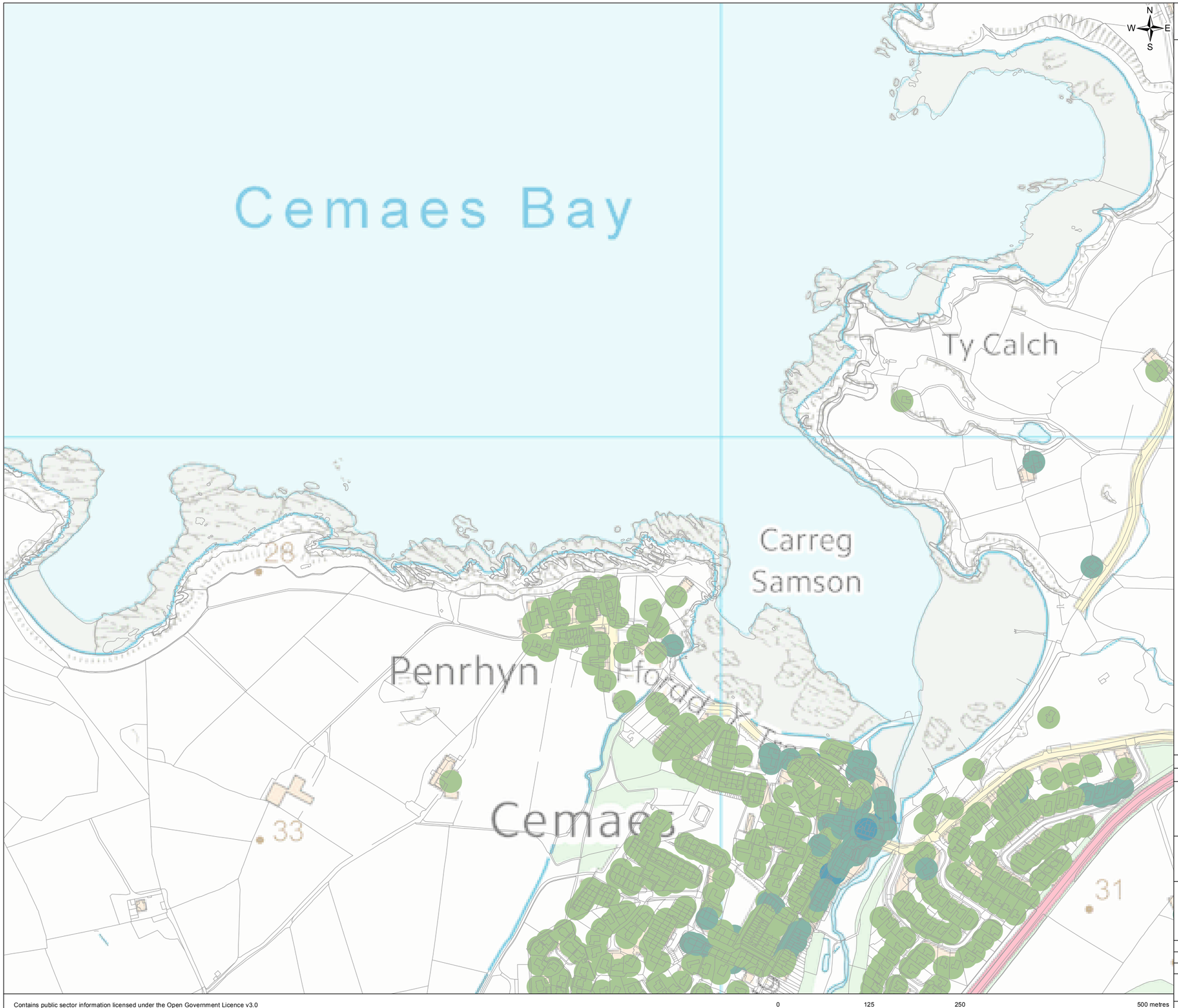
60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

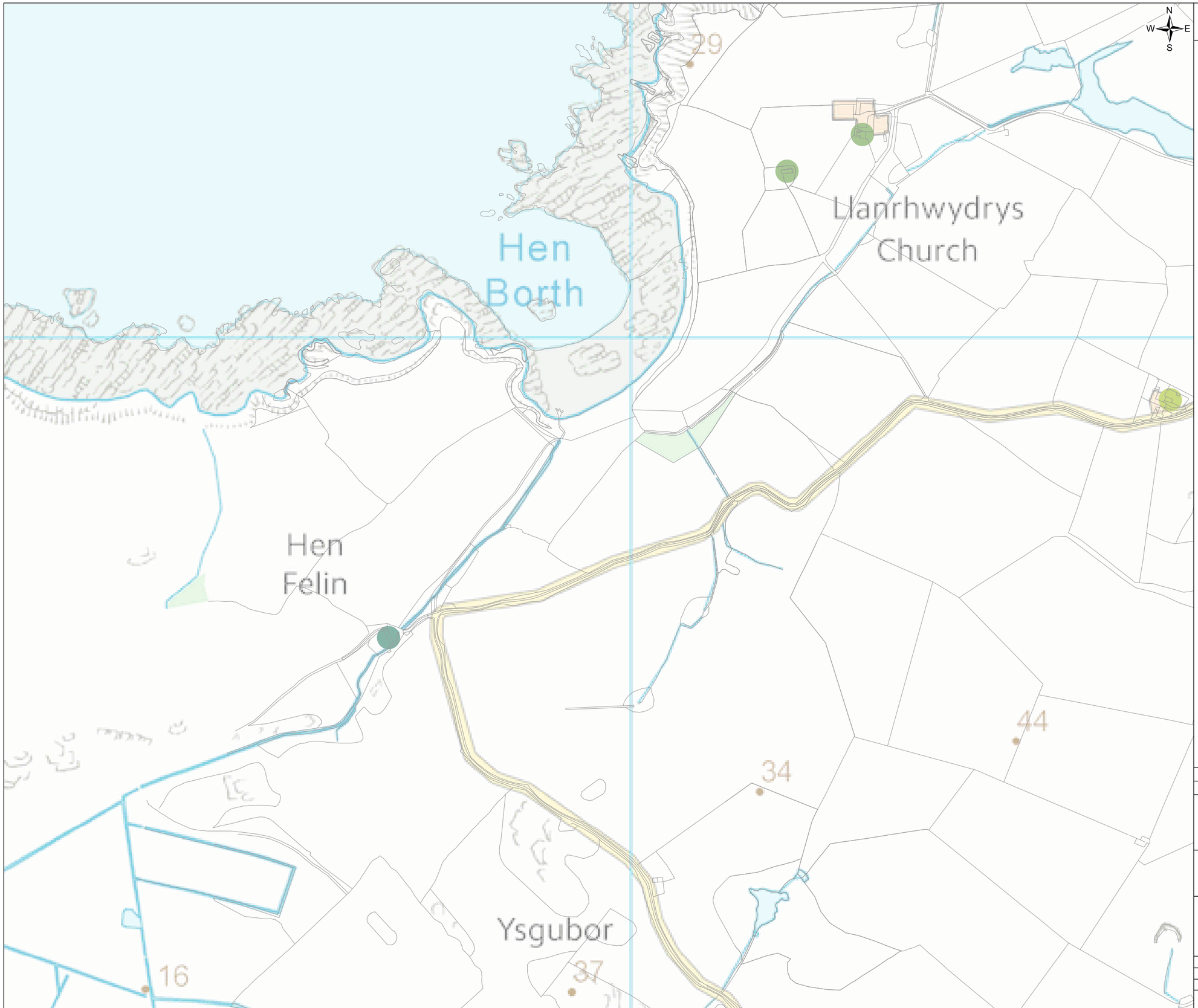
60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

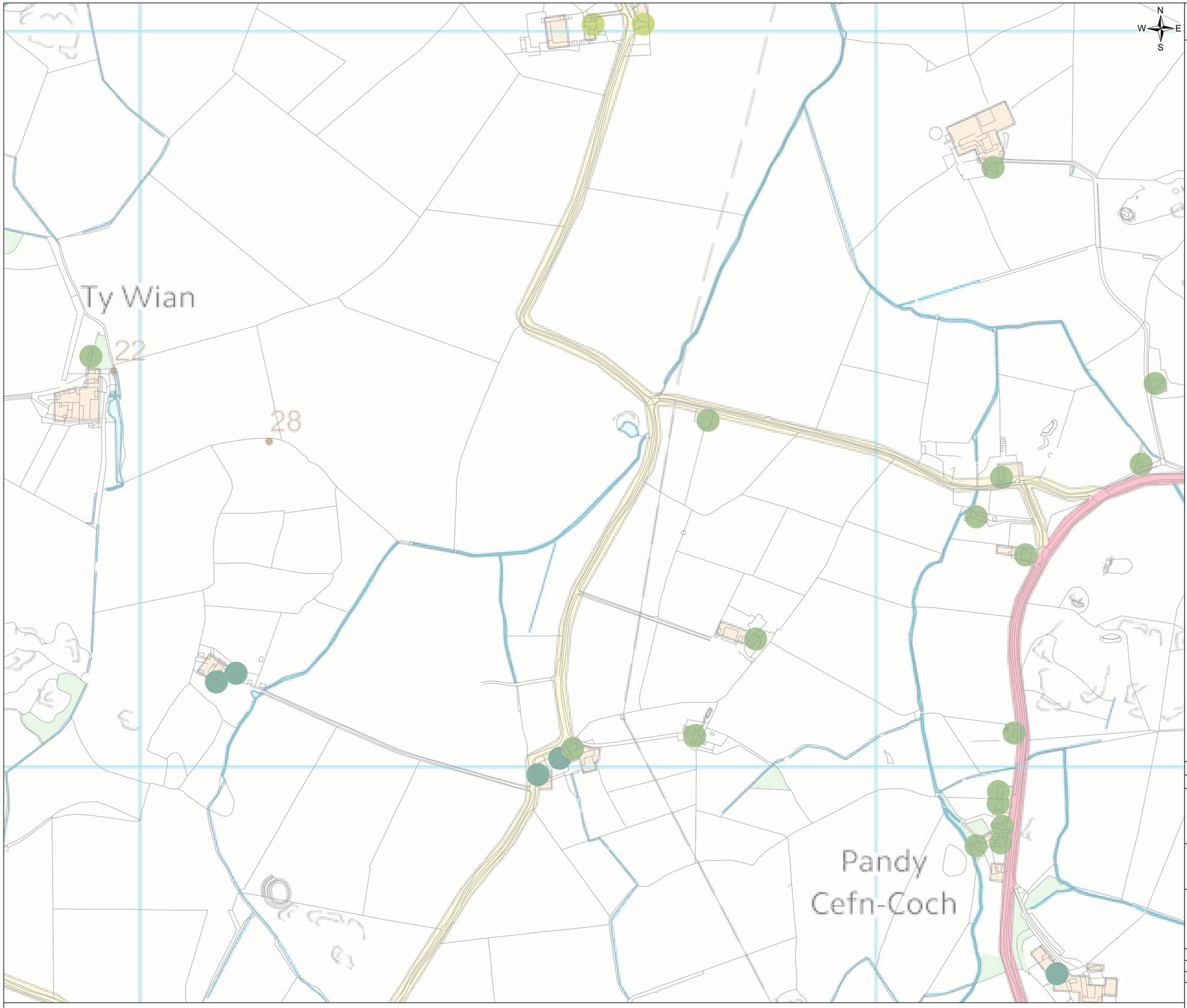


FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

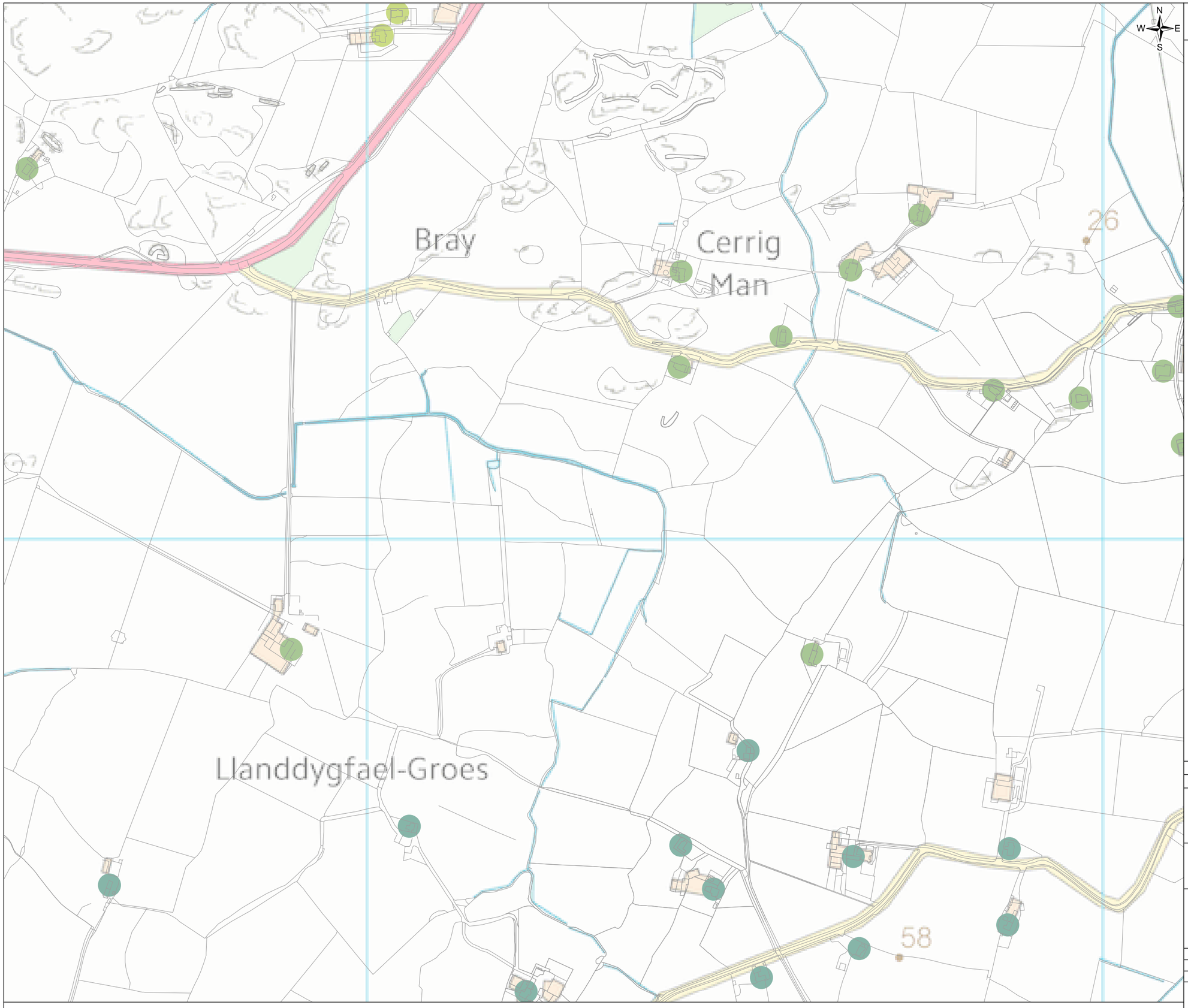
60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

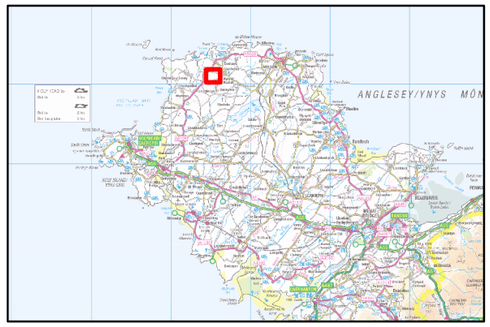
FIGURE 2



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

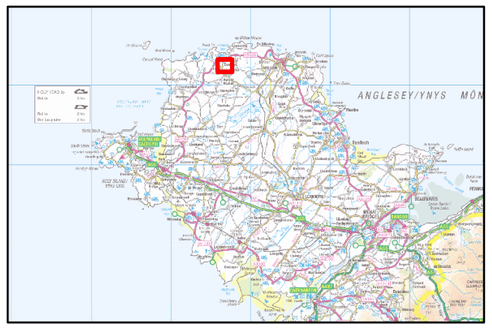
0 125 250 500 metres

FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

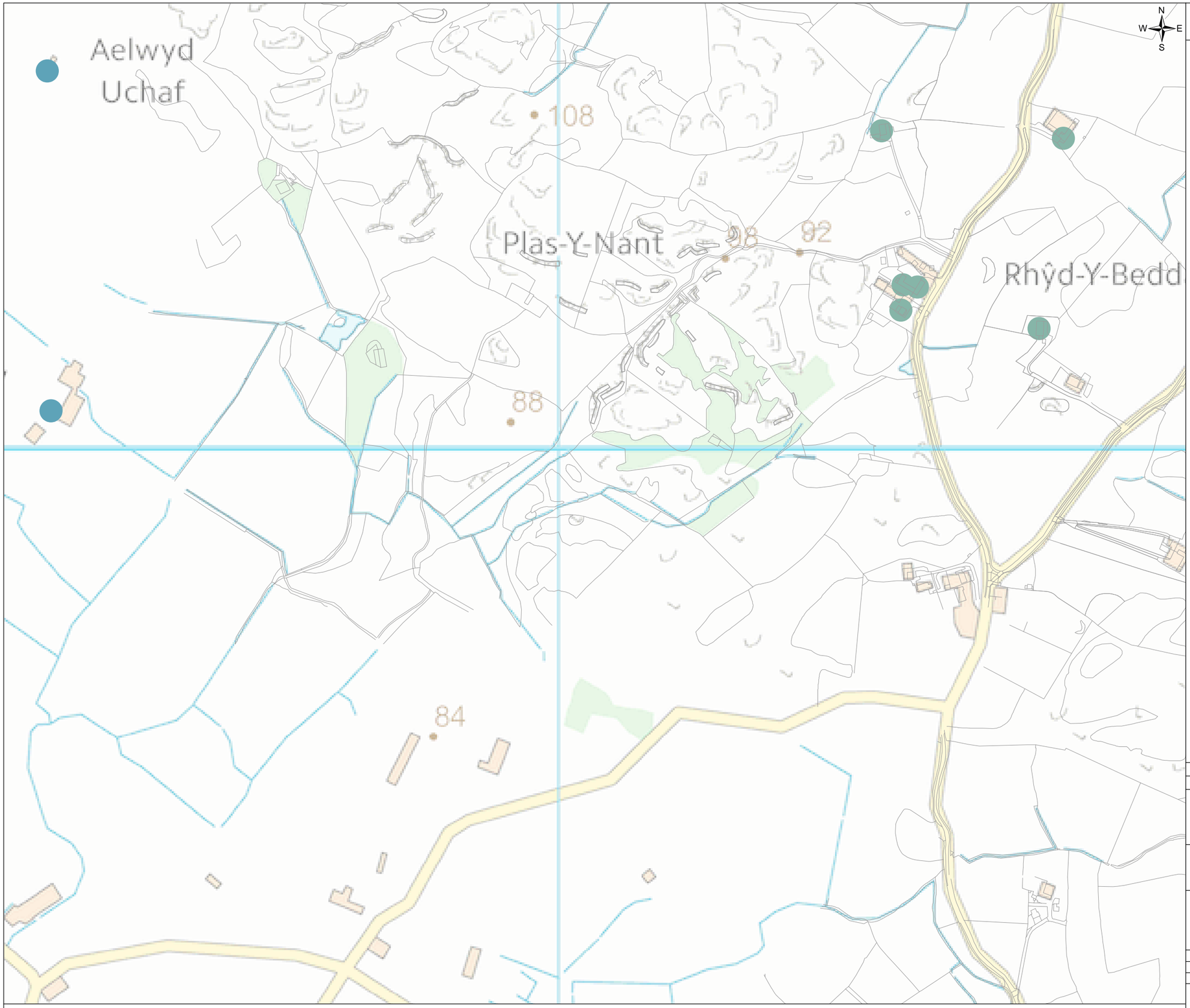
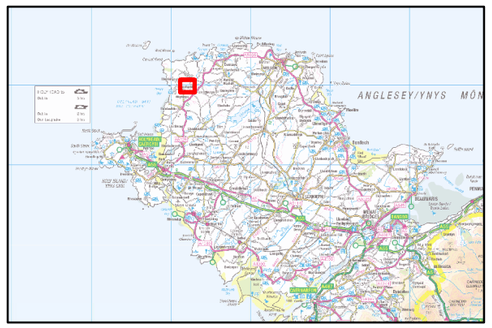


FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 7 TO 9 (EVENING)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

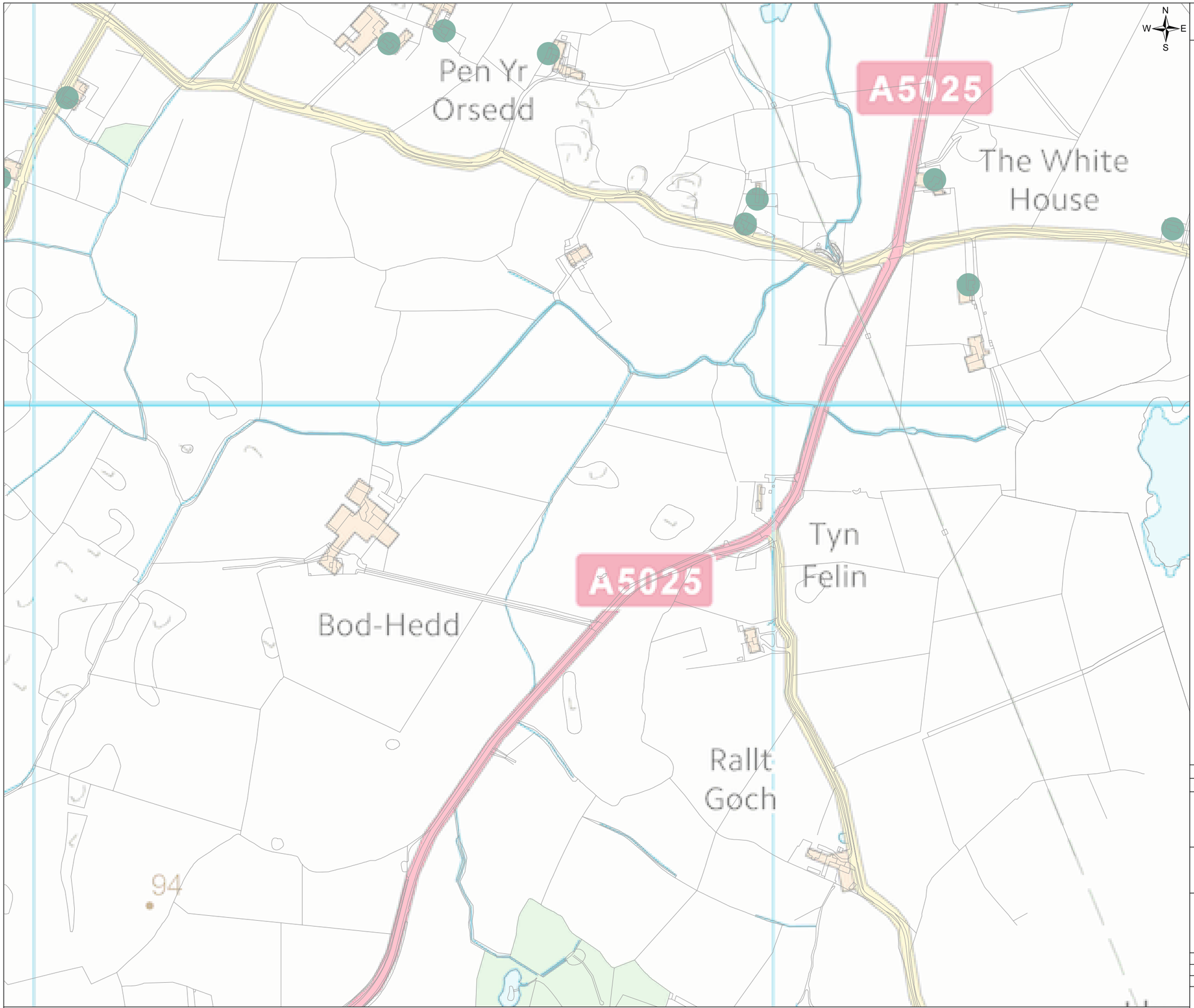
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

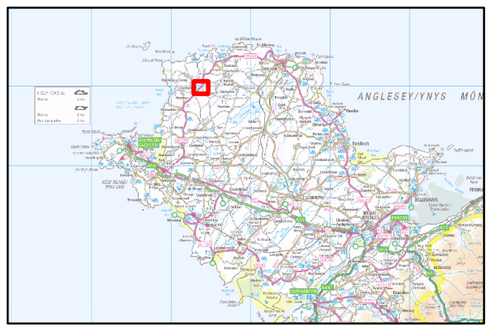
FIGURE 2



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 7 TO 9 (EVENING)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

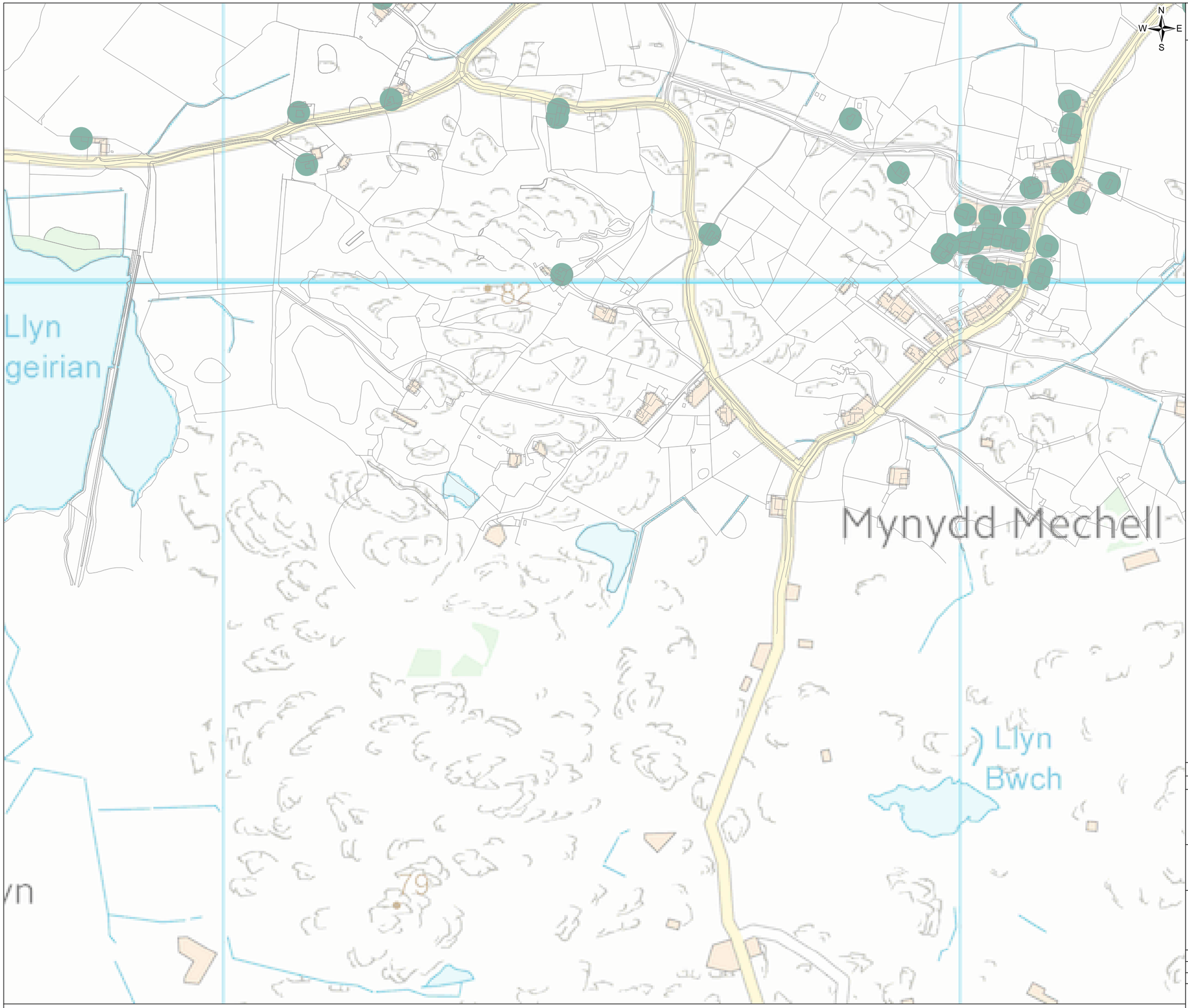
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

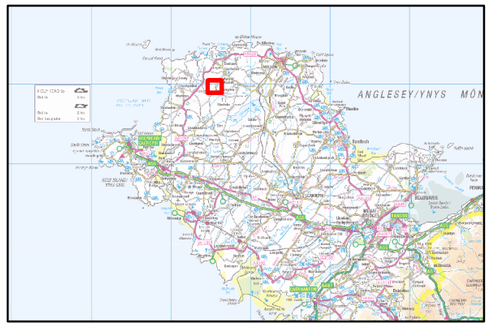
FIGURE 2



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

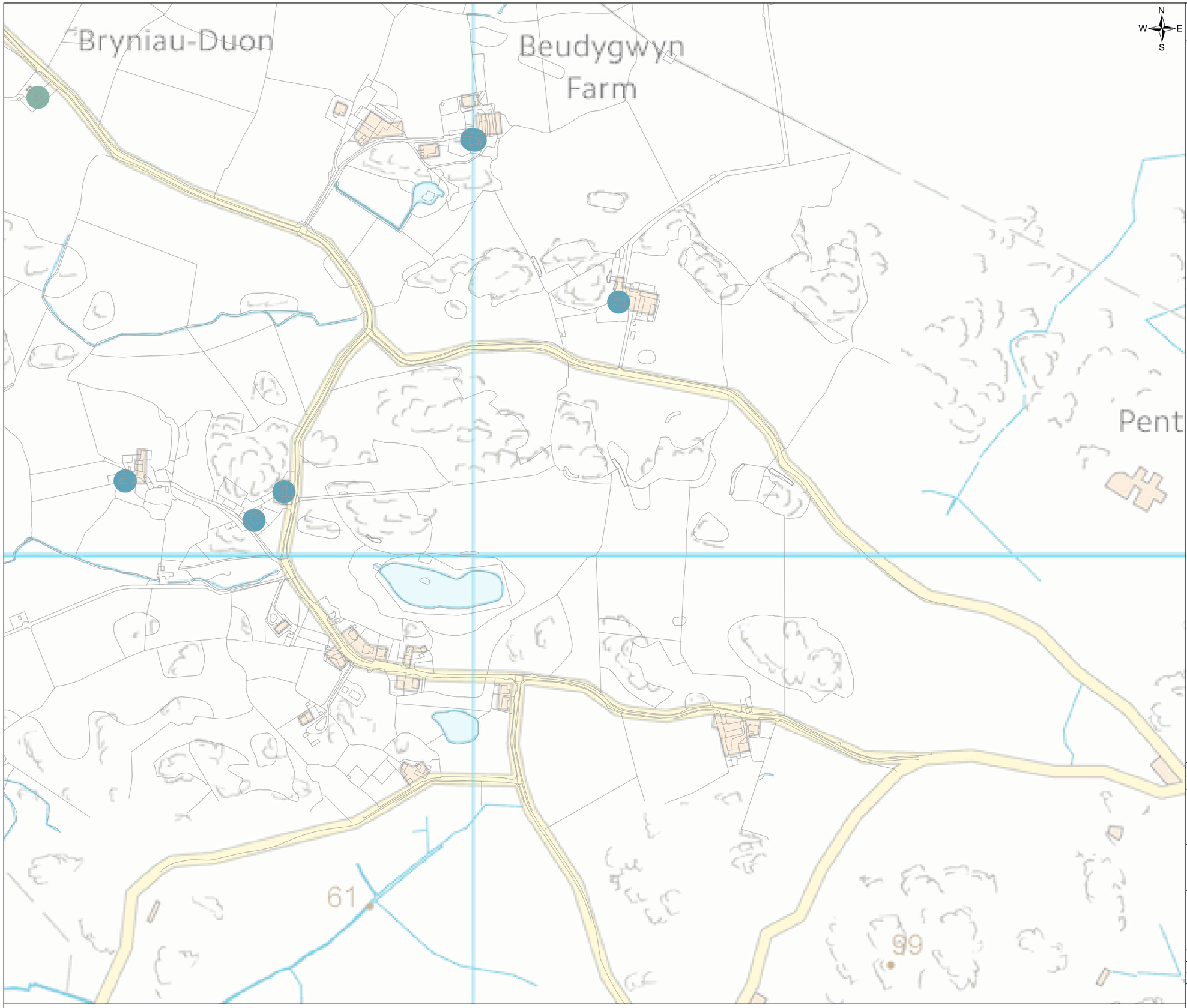


FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

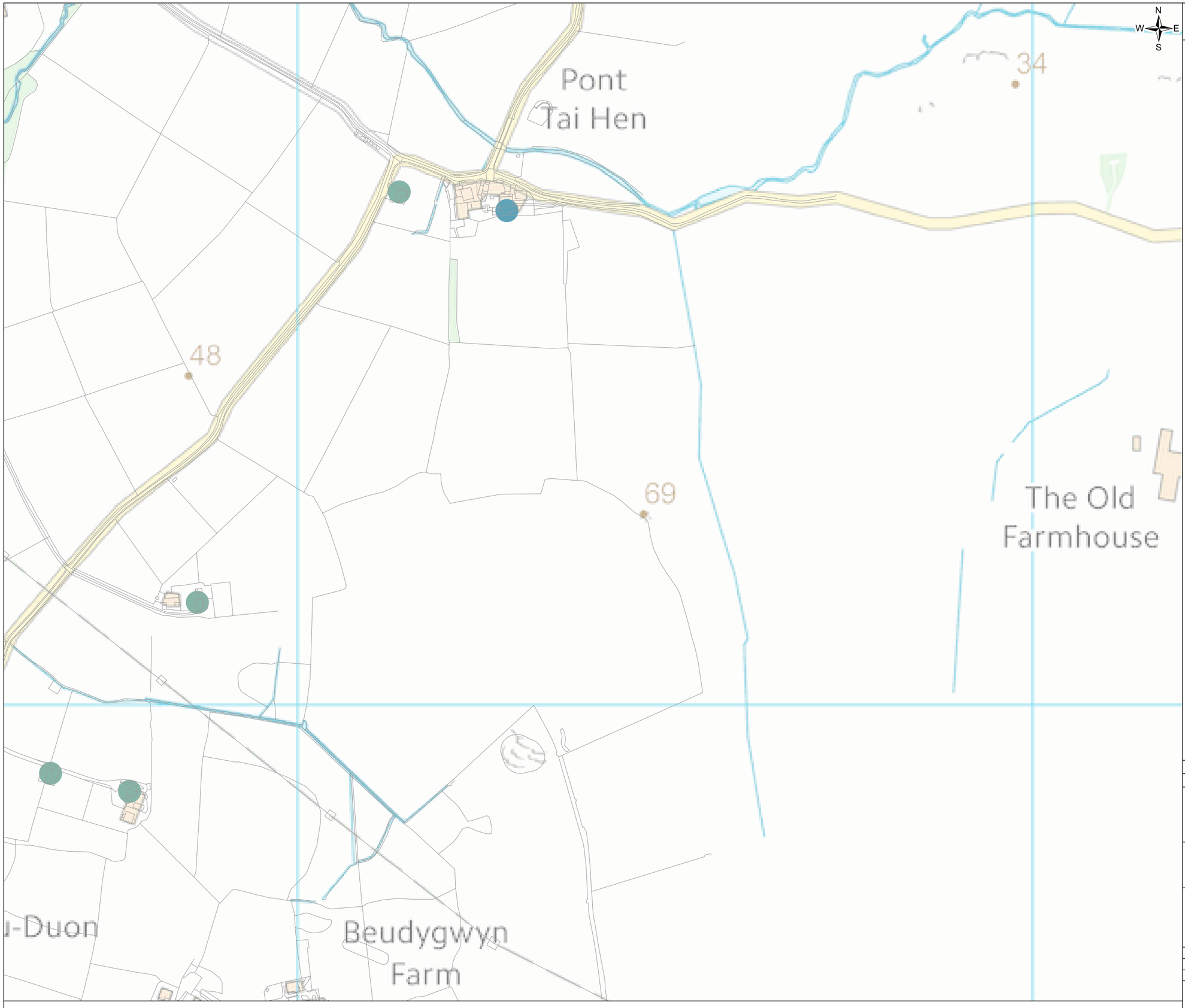
60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 2



Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

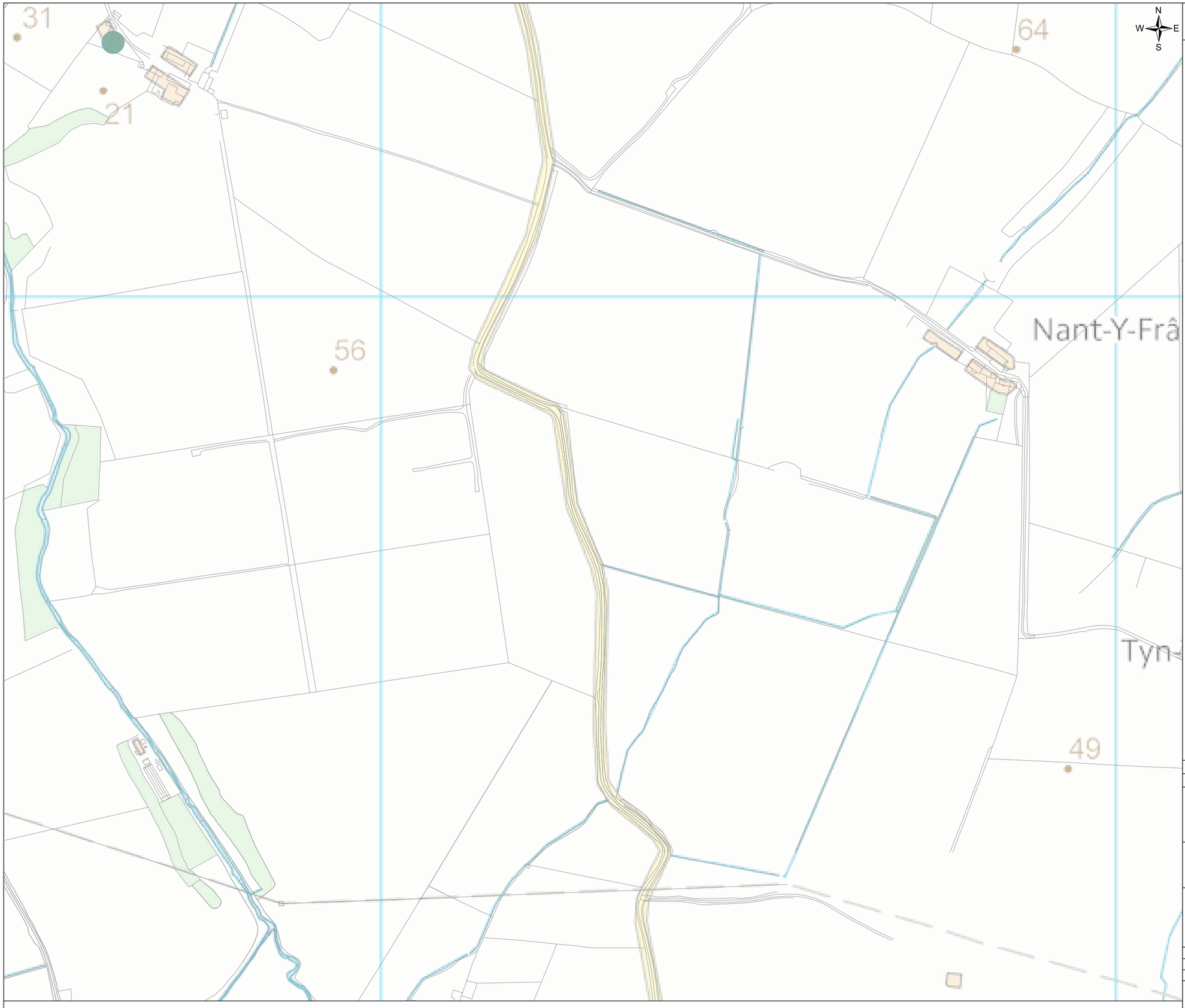


FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 7 TO 9 (EVENING)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

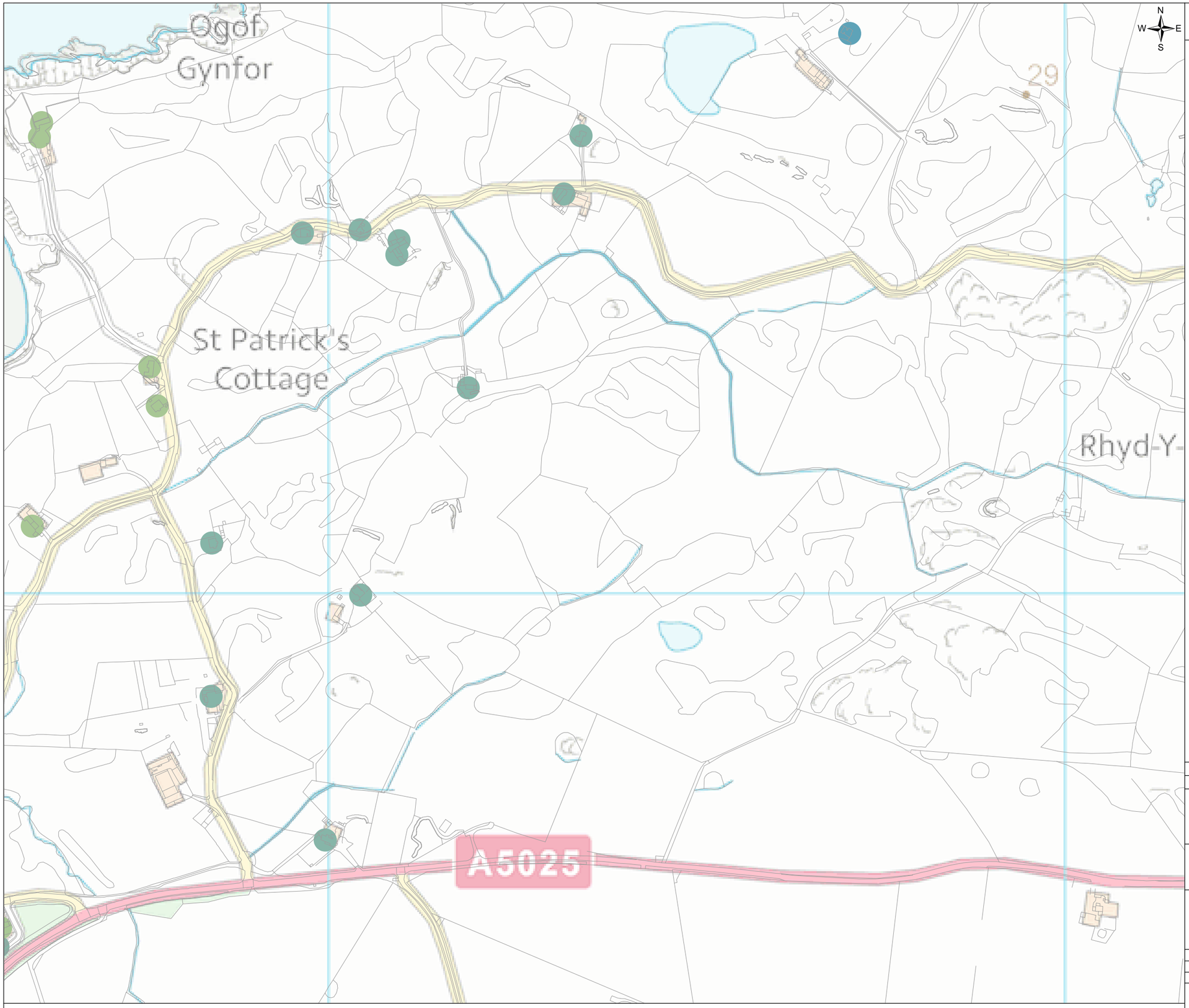


FIGURE 2

Legend

Predicted noise levels dB $L_{Aeq, 1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (EVENING)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

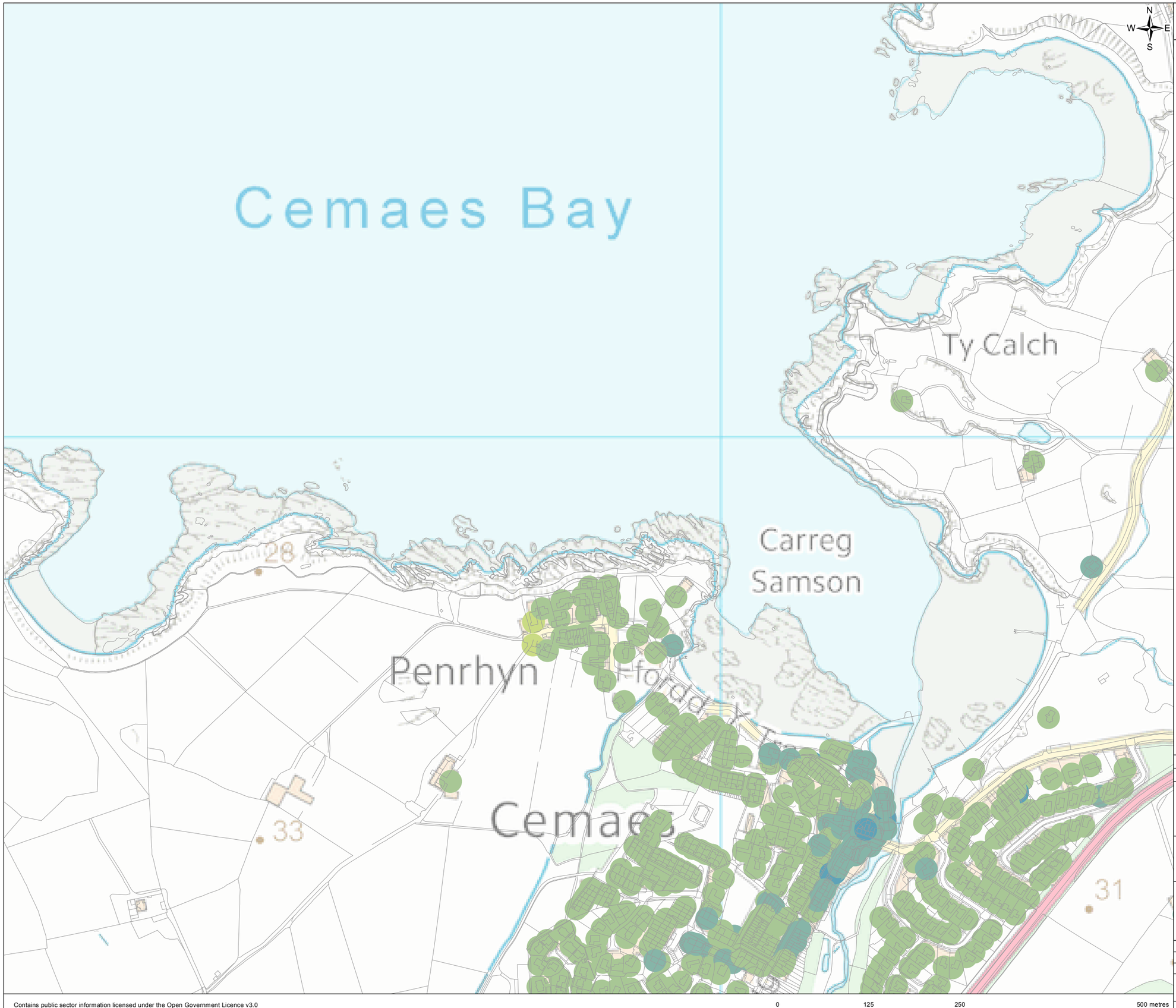


FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

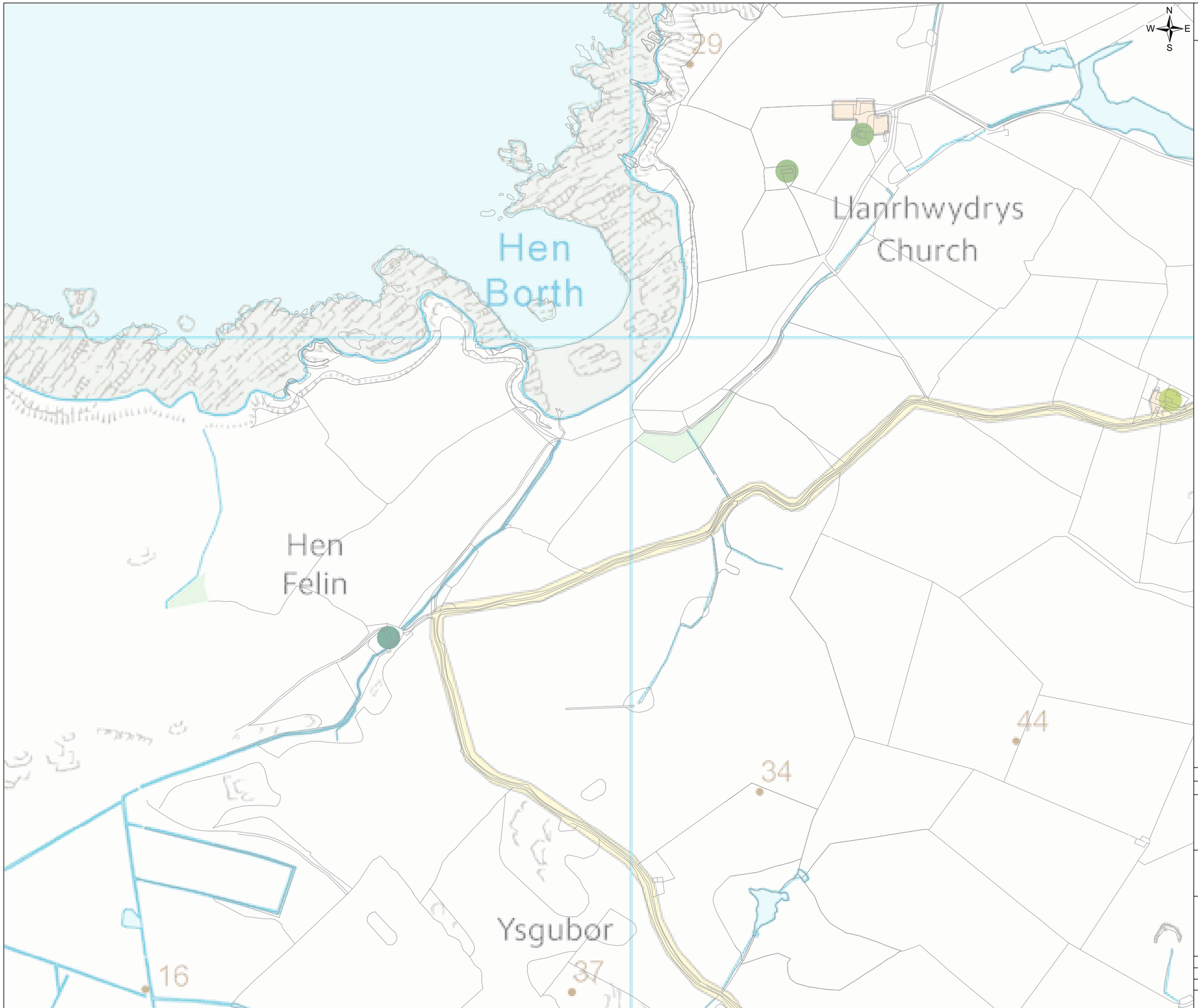
60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

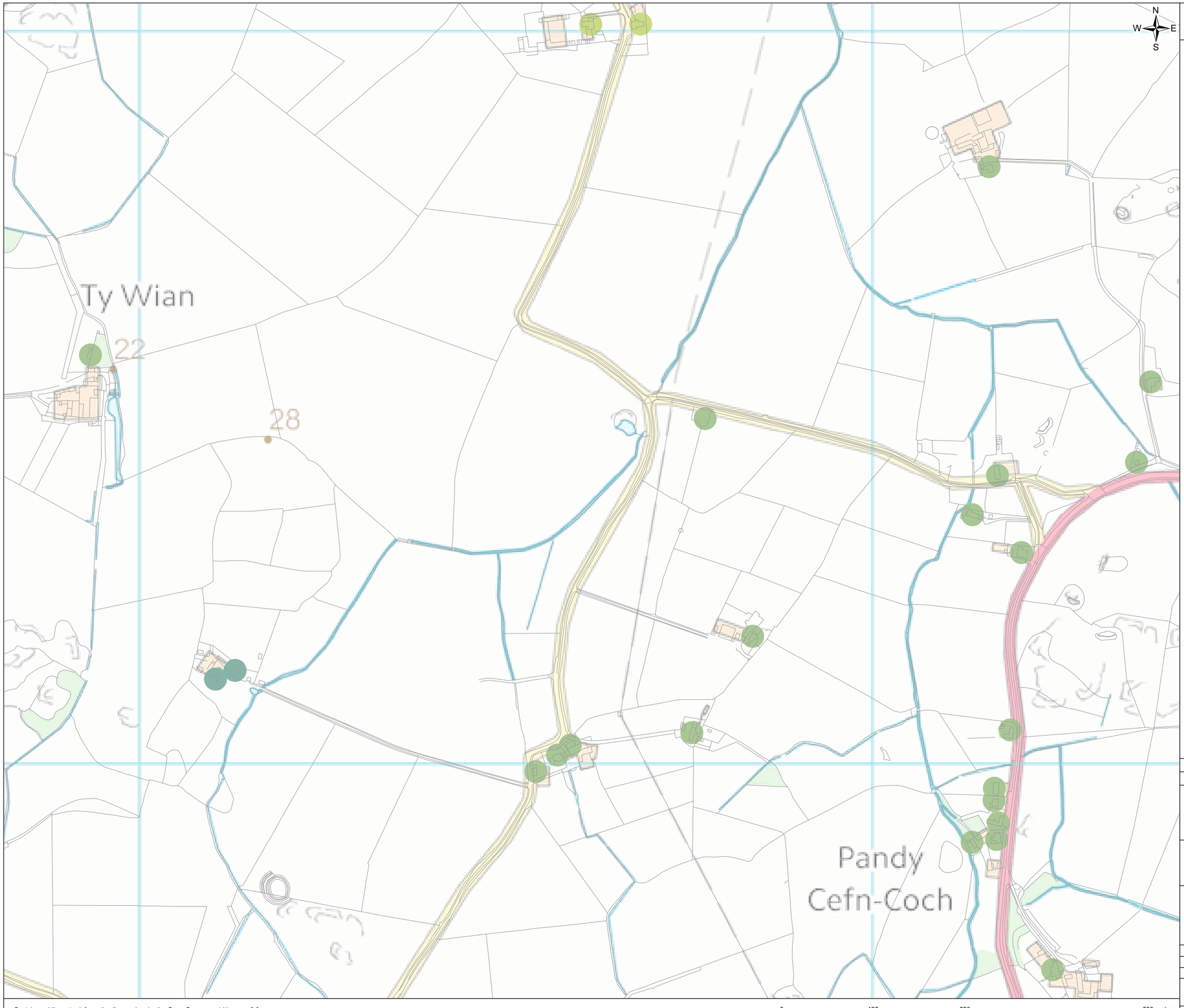
60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

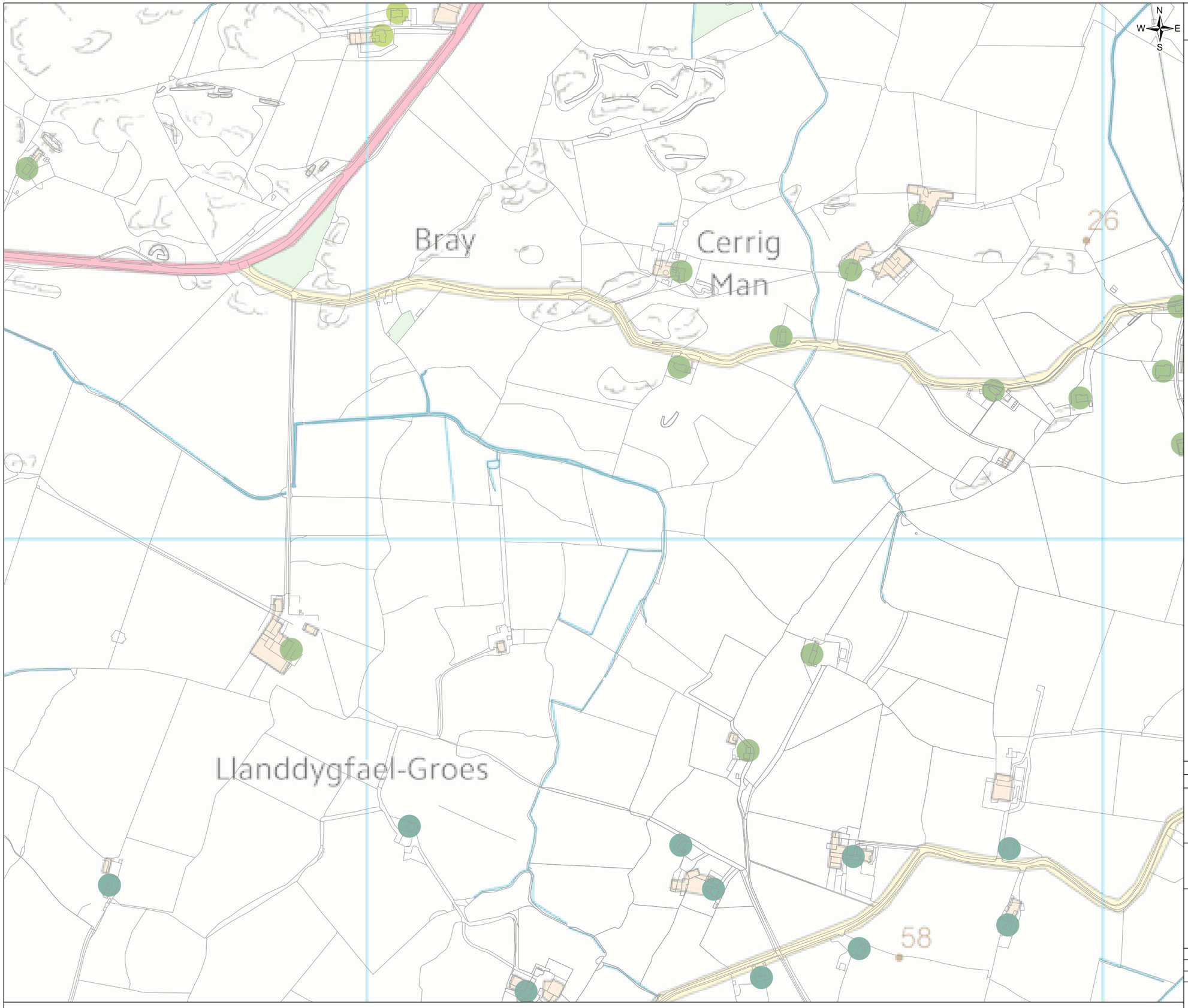
60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

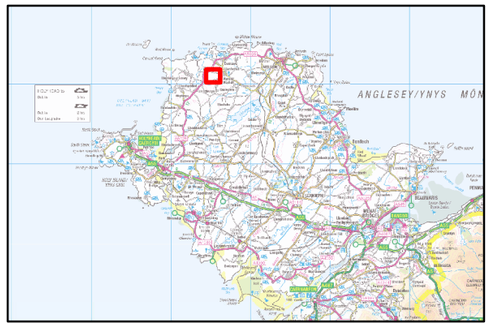
FIGURE 3



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

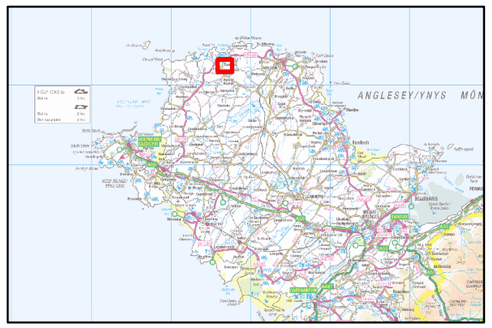
0 125 250 500 metres

FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3

Llanfairynghornwy

Waen-Lydan

Mynydd-y-Garn

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

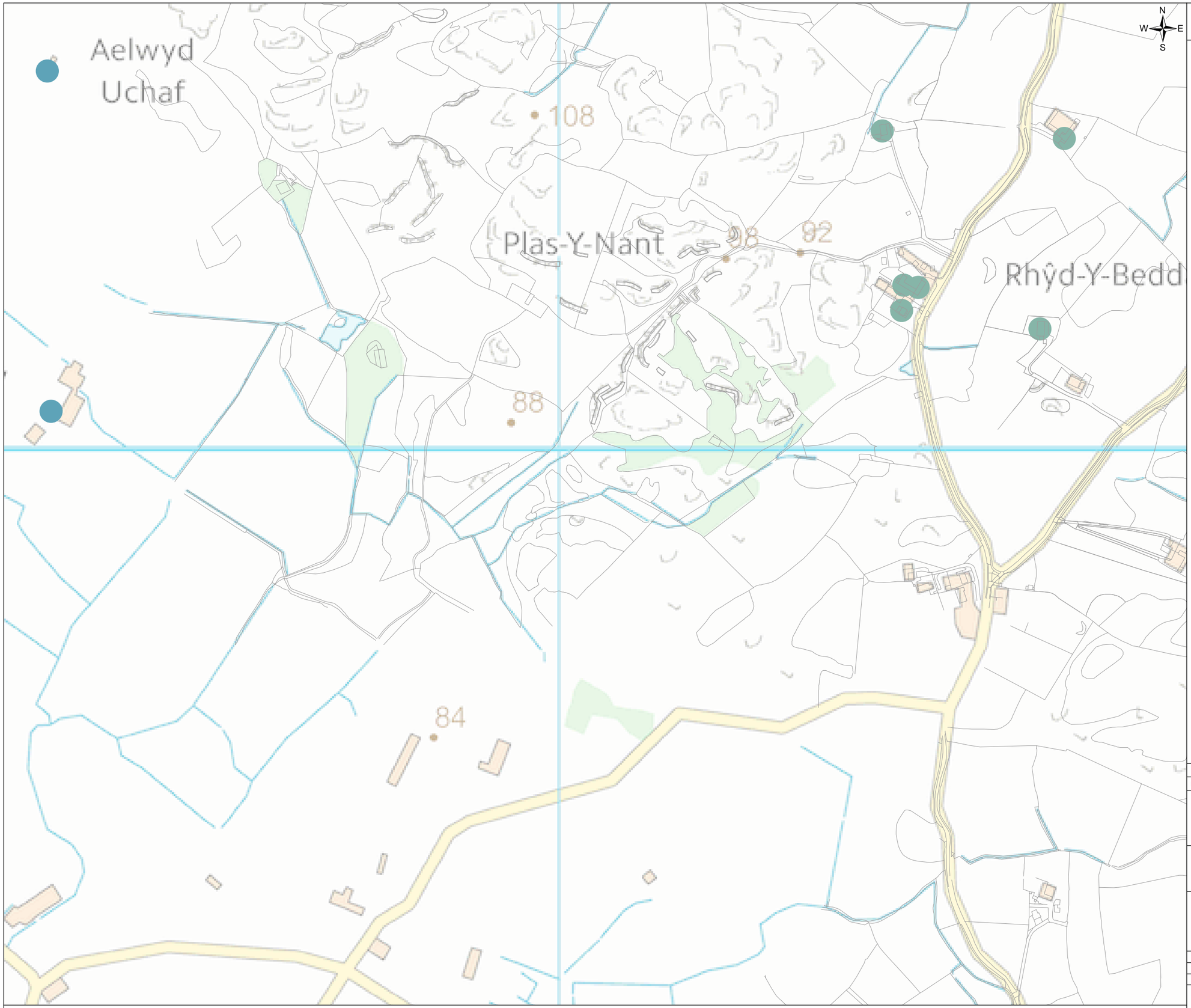


FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

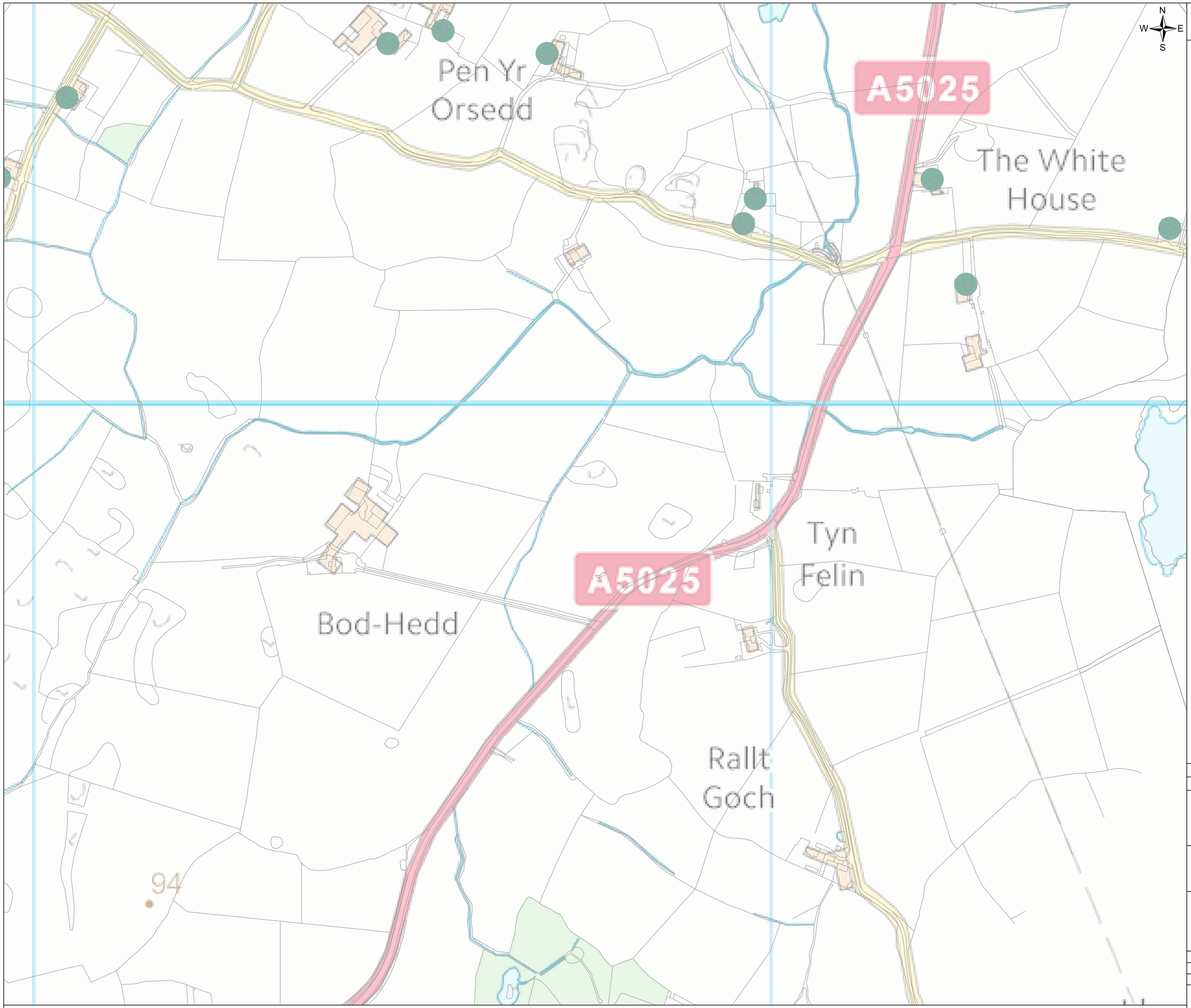
60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

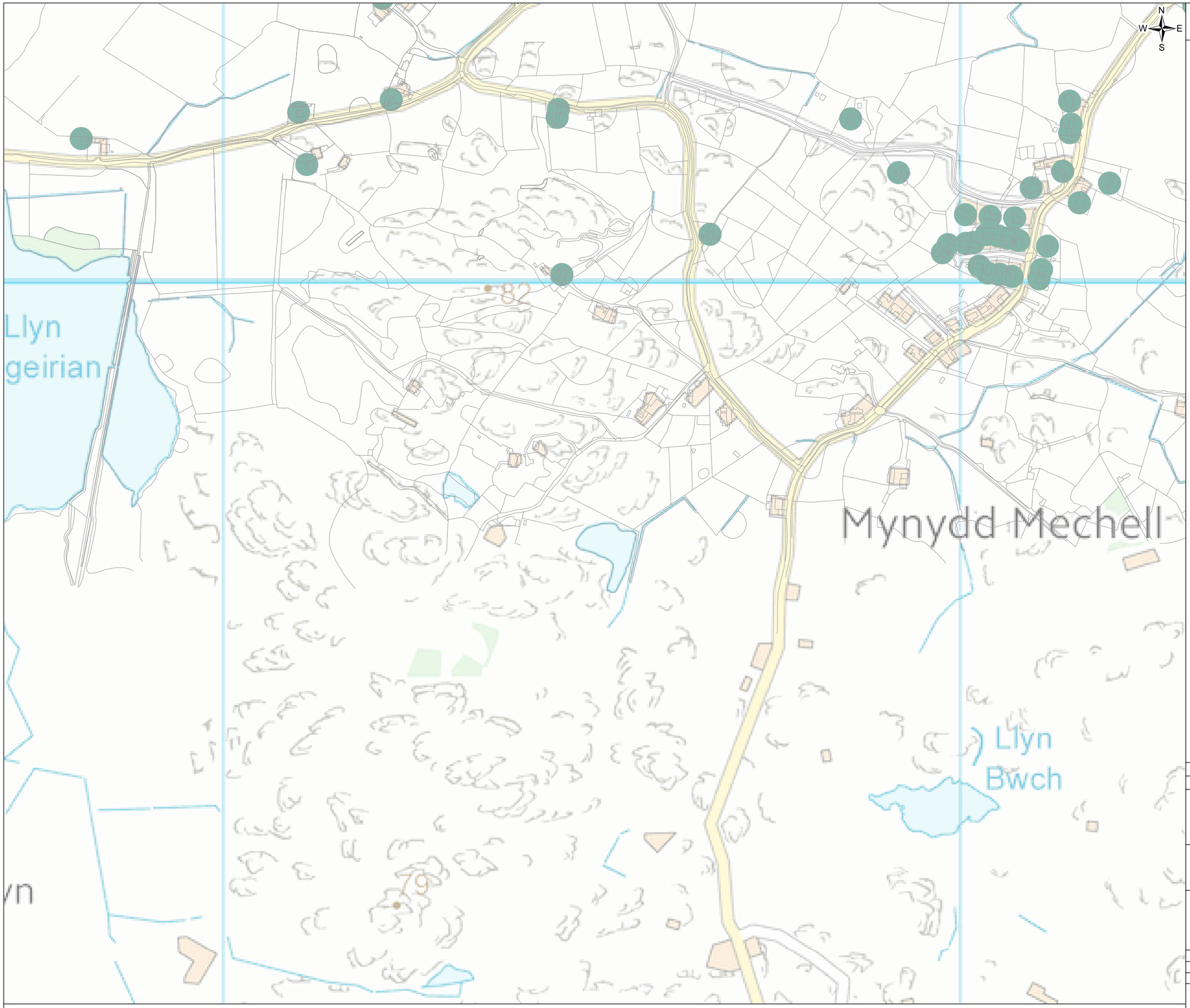
60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

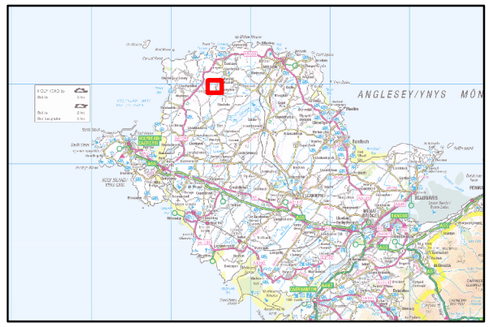
FIGURE 3



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

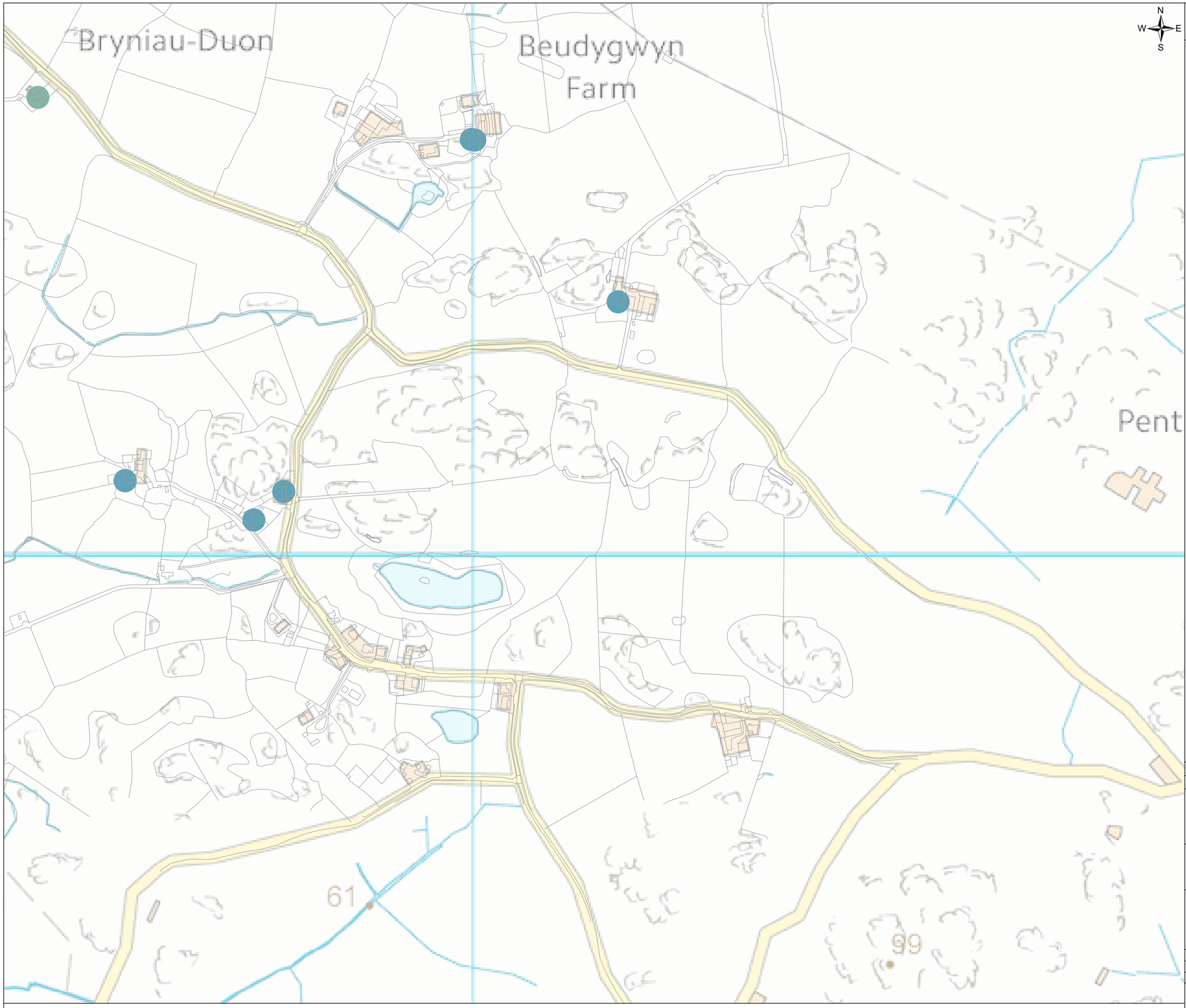


FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

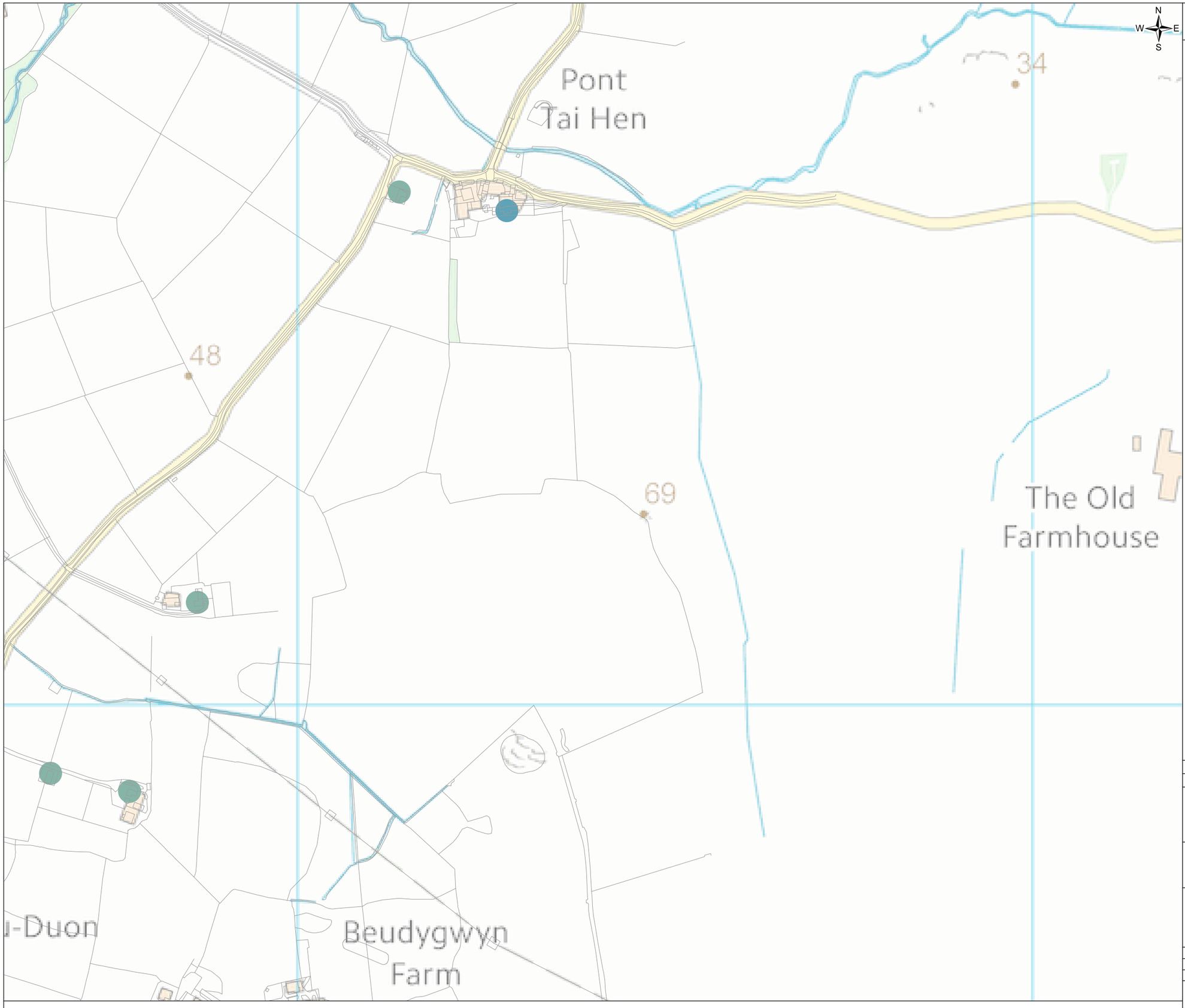
60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

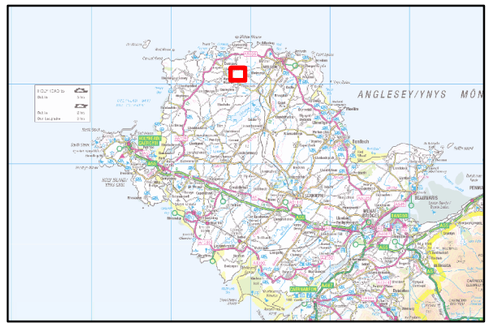
FIGURE 3



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

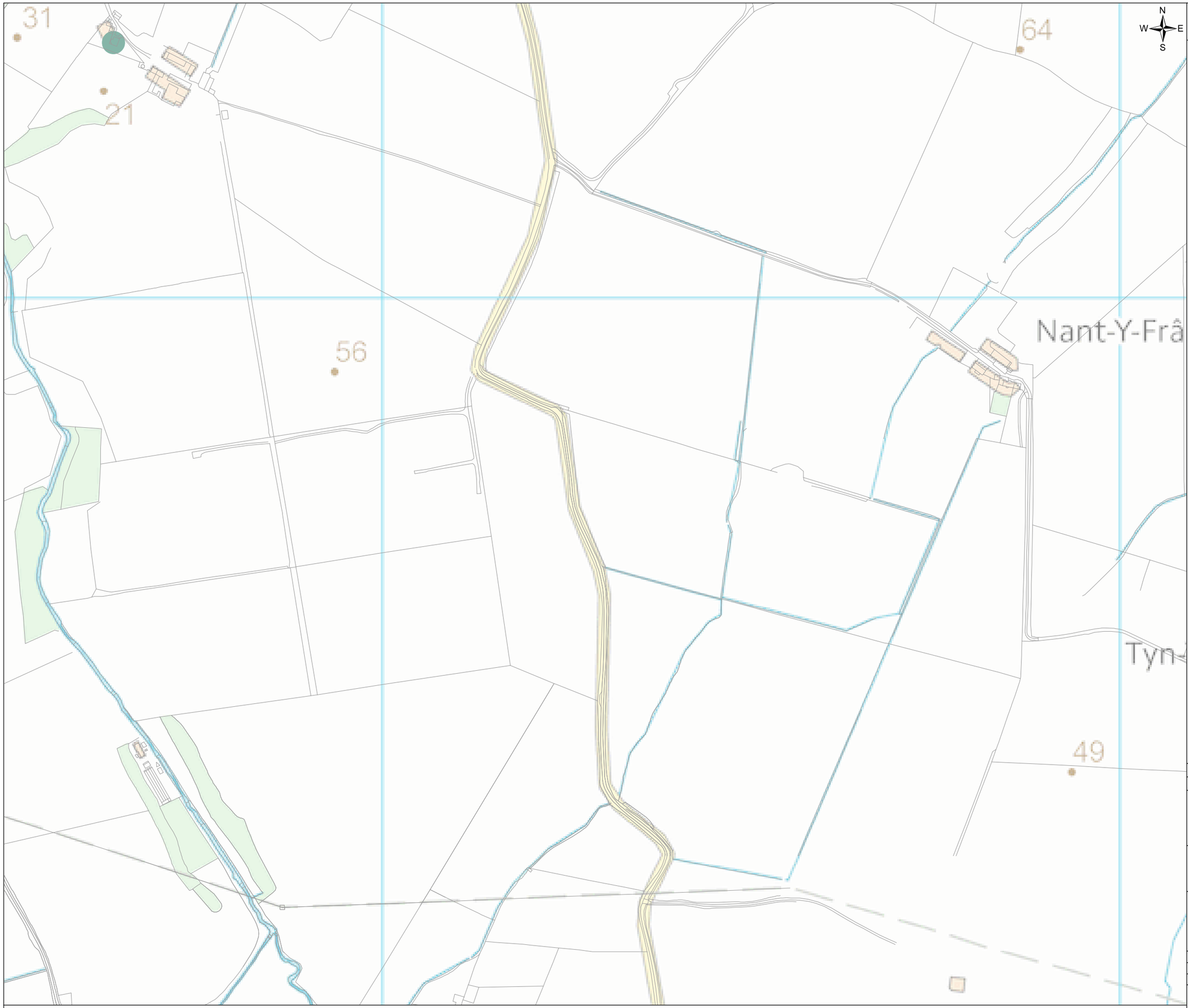
60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

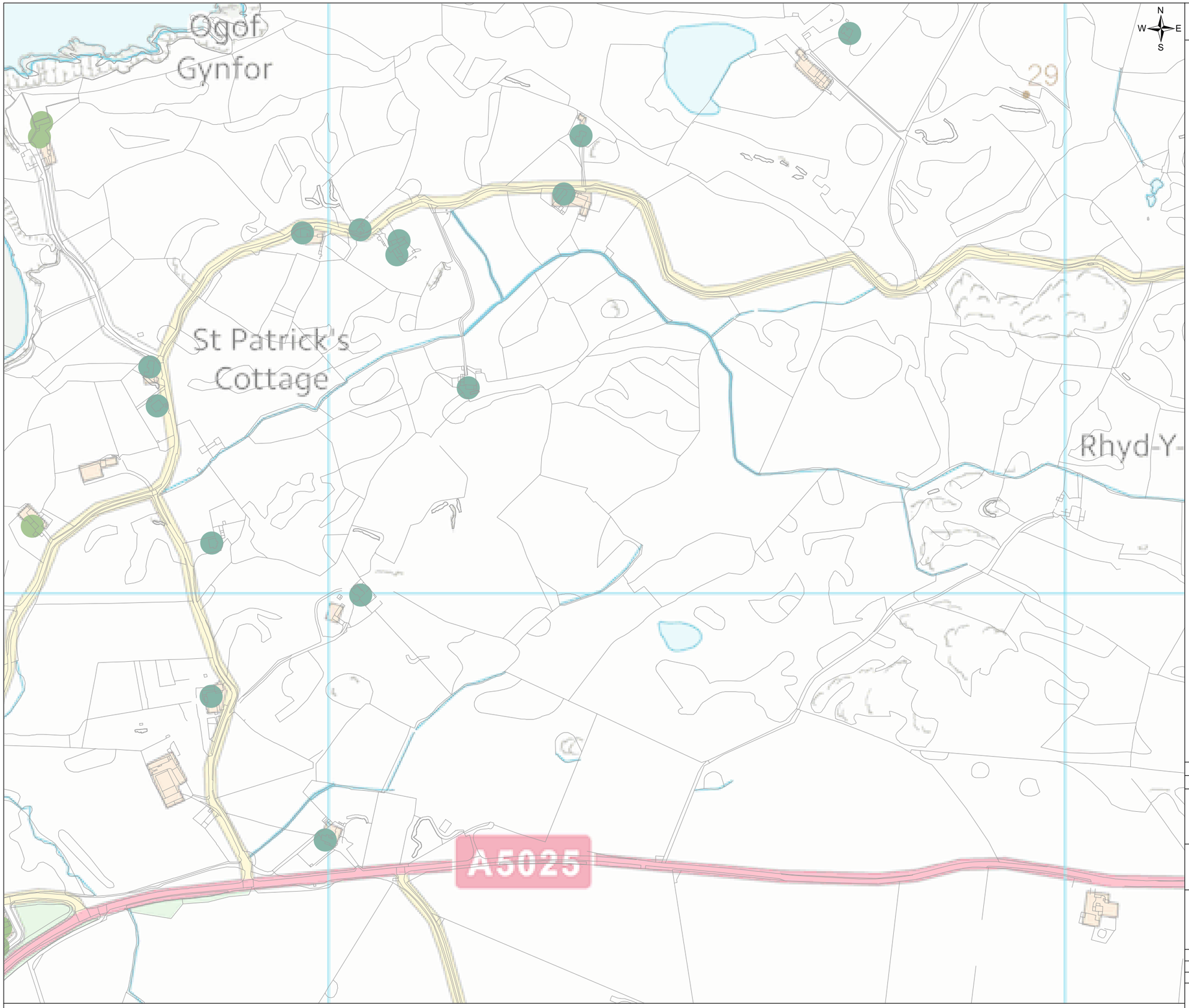
Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres



Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 3

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 7 TO 9 (NIGHT-TIME)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS7TO9_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

FIGURE 4

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (DAYTIME) SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

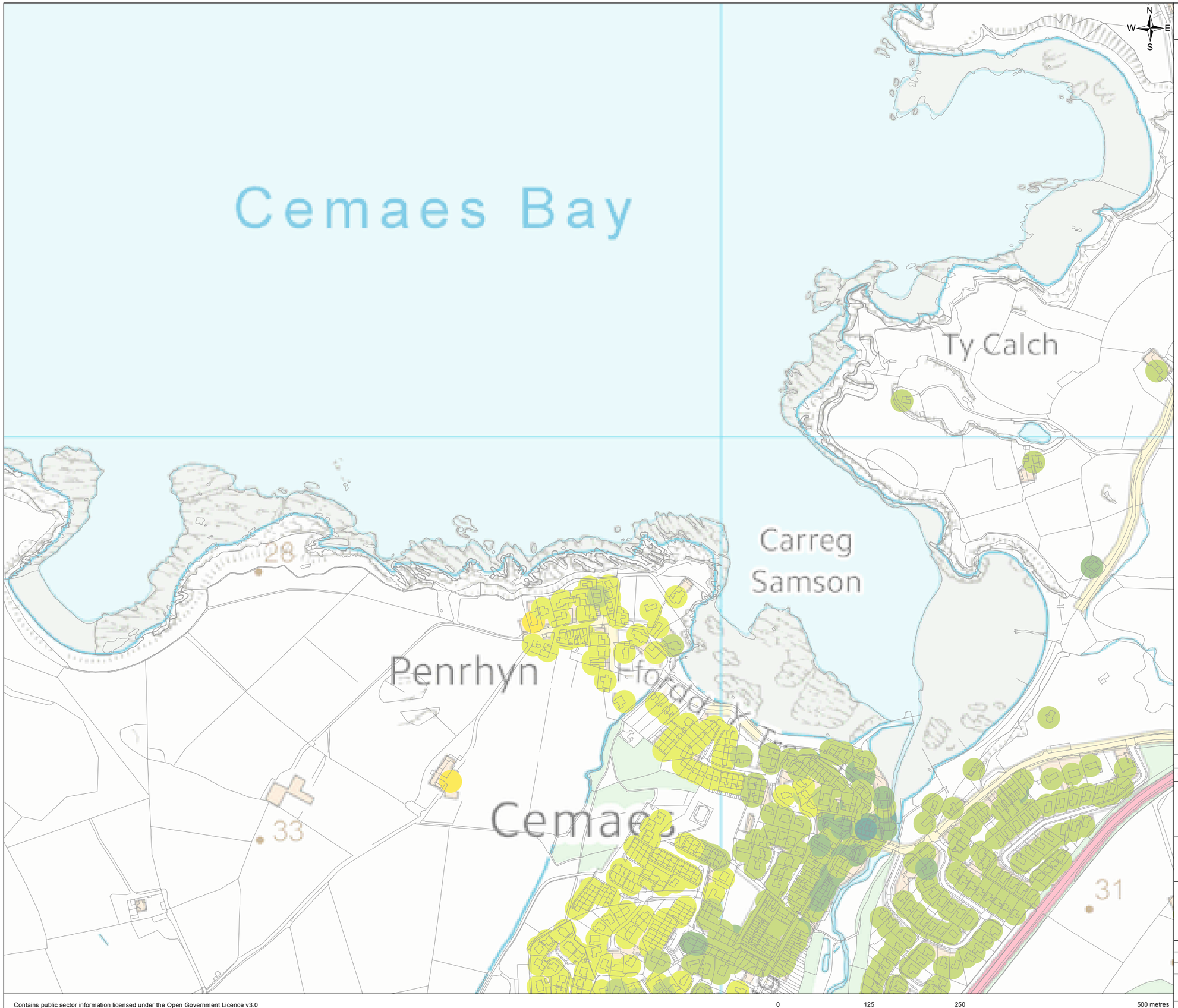
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

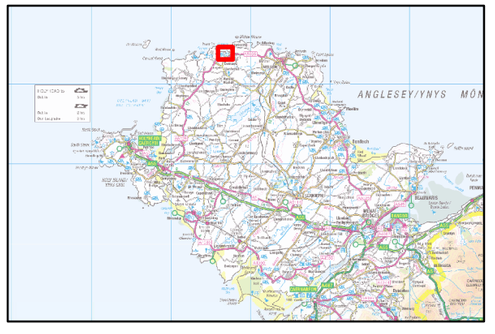
FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

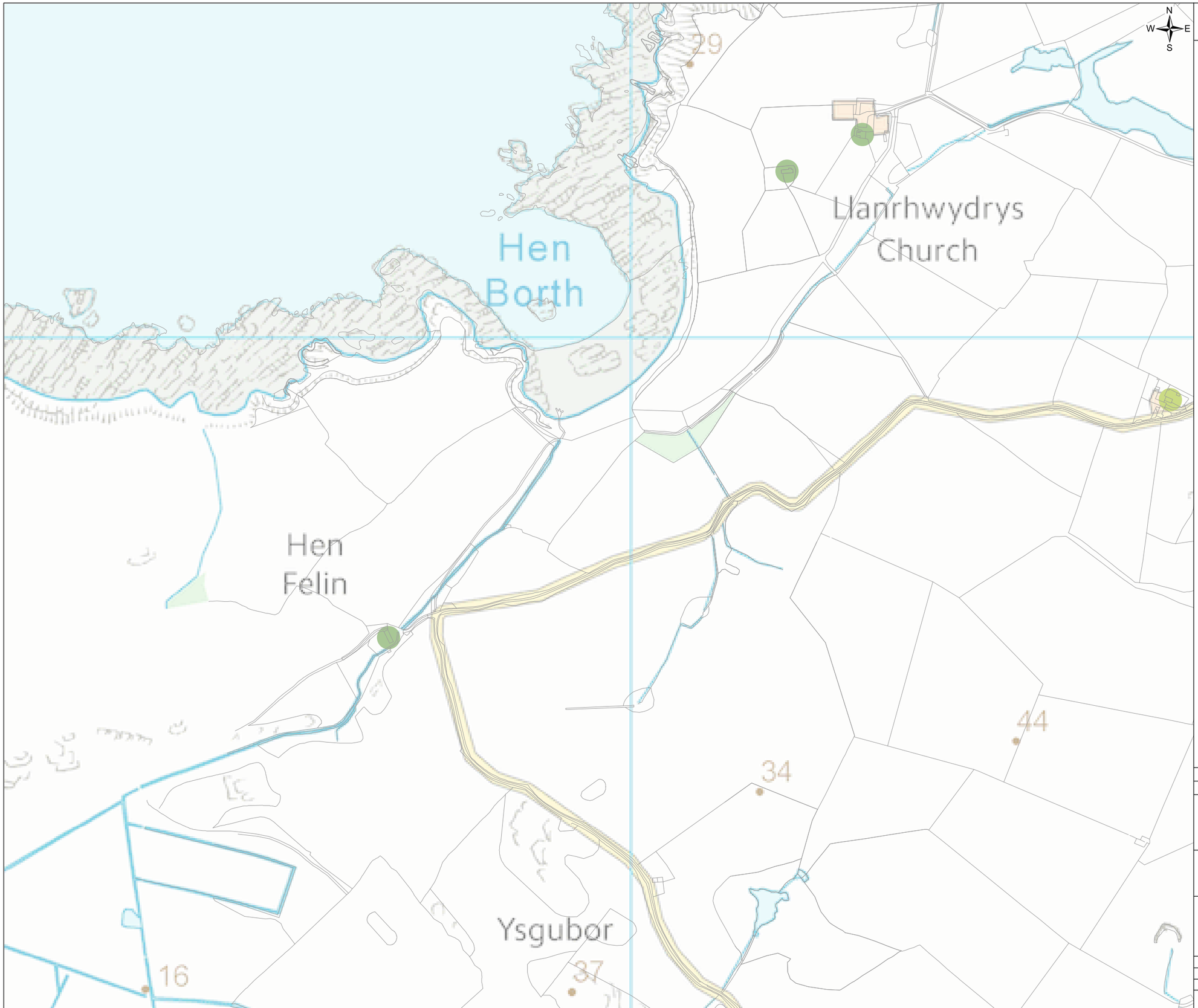
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

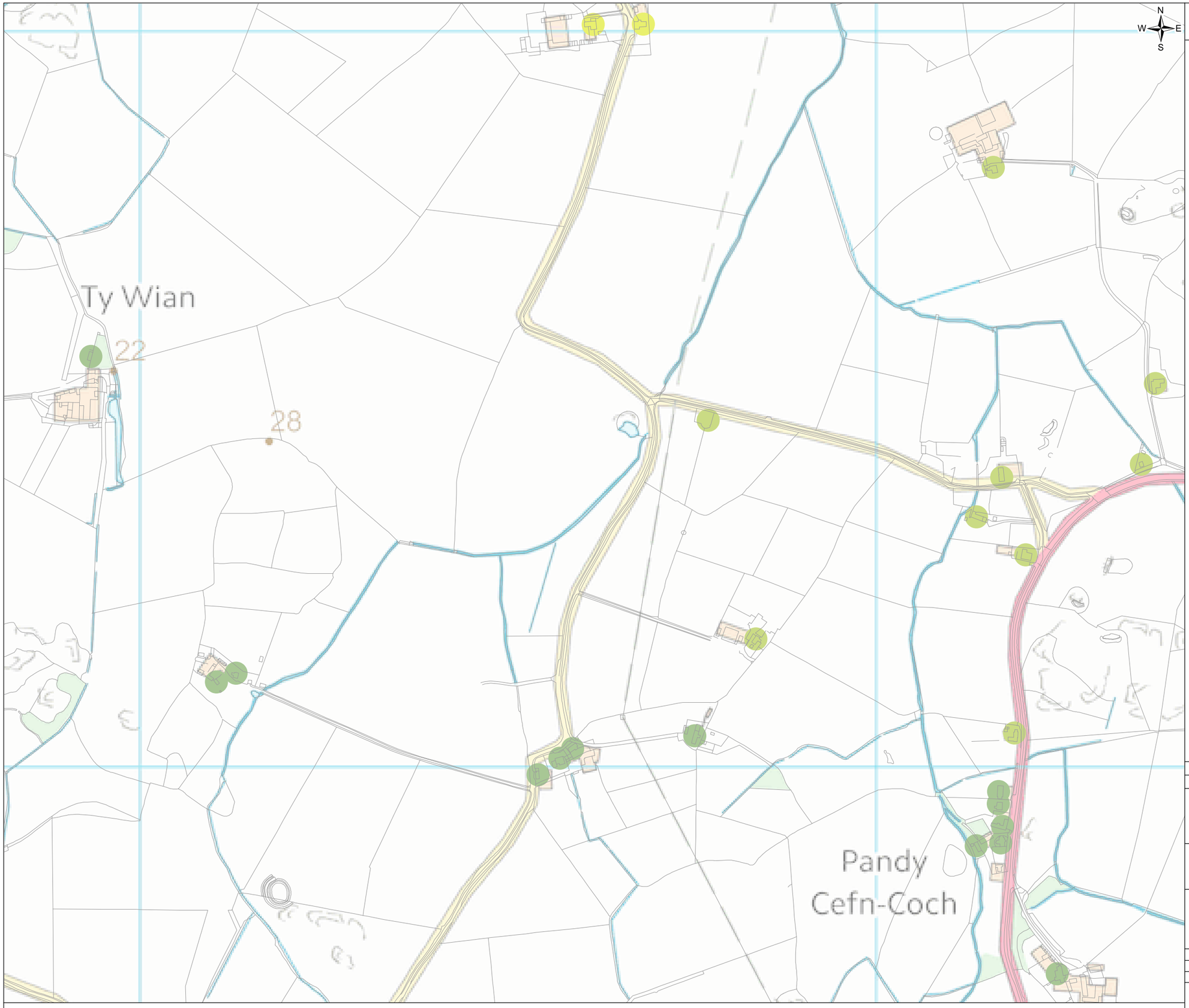
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (DAYTIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

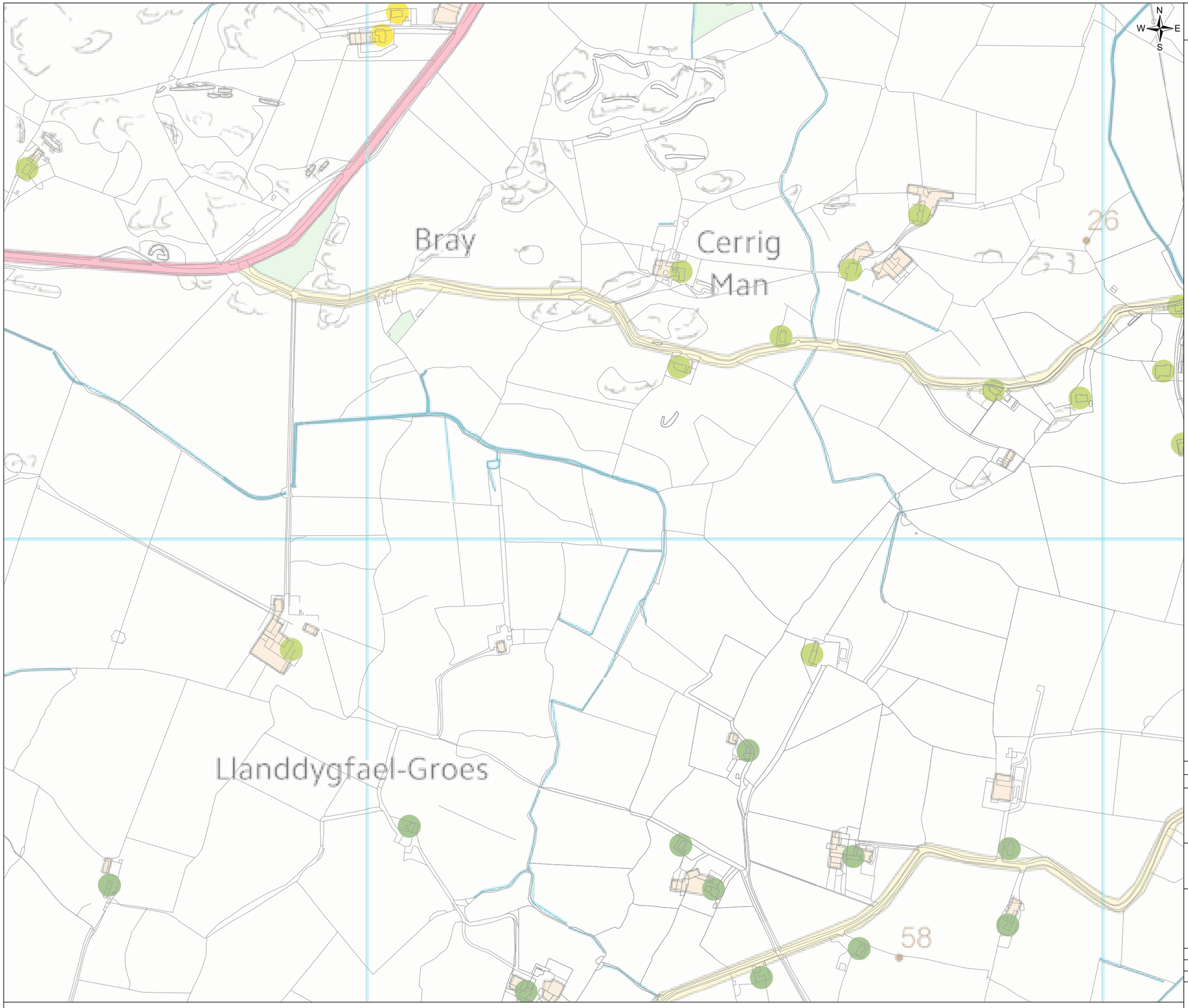
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

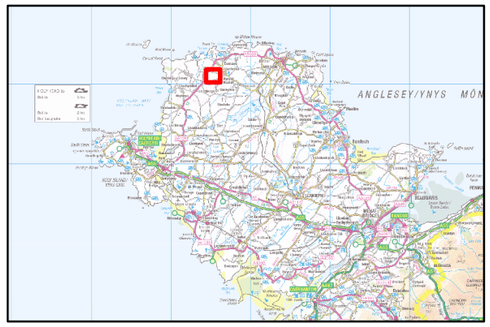
FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

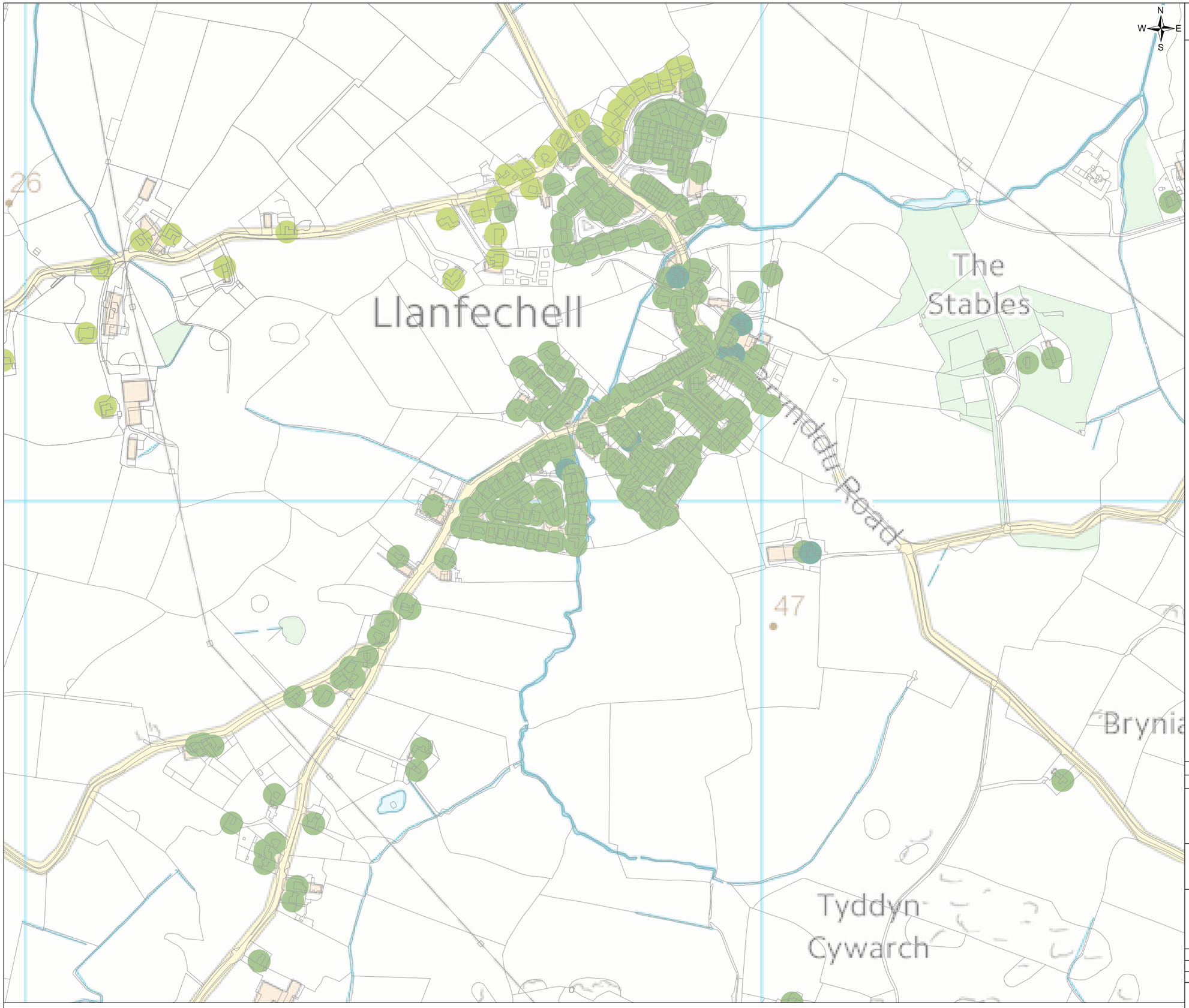
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

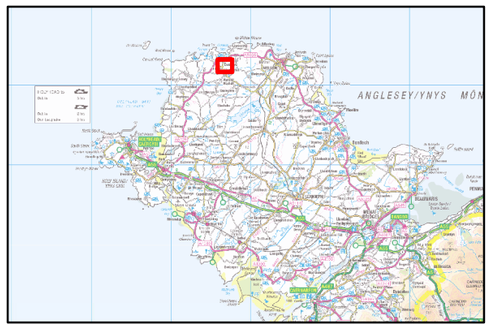
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

FIGURE 4

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4

Llanfairynghornwy

Waen-Lydan

Mynydd-y-Garn

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

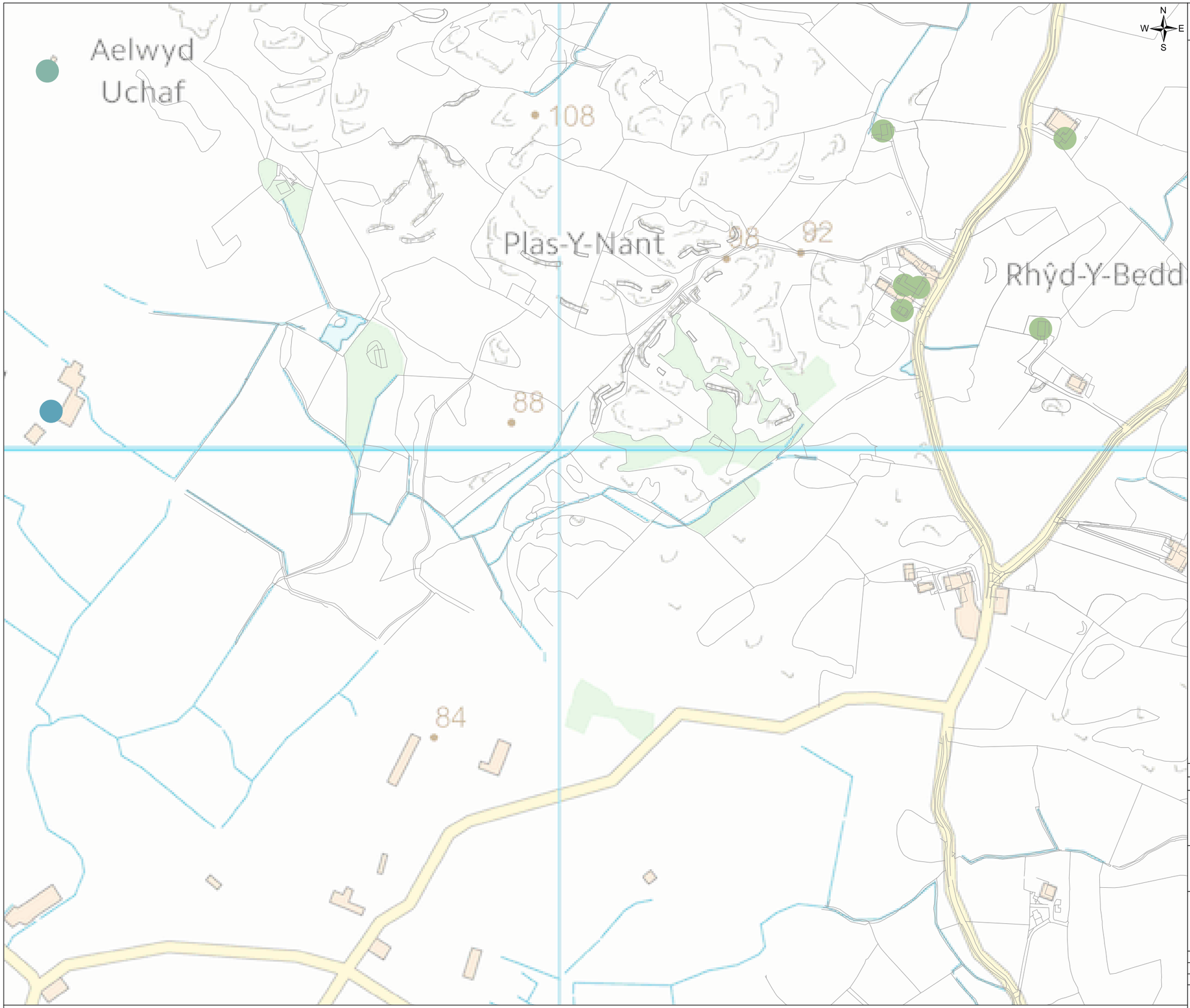
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

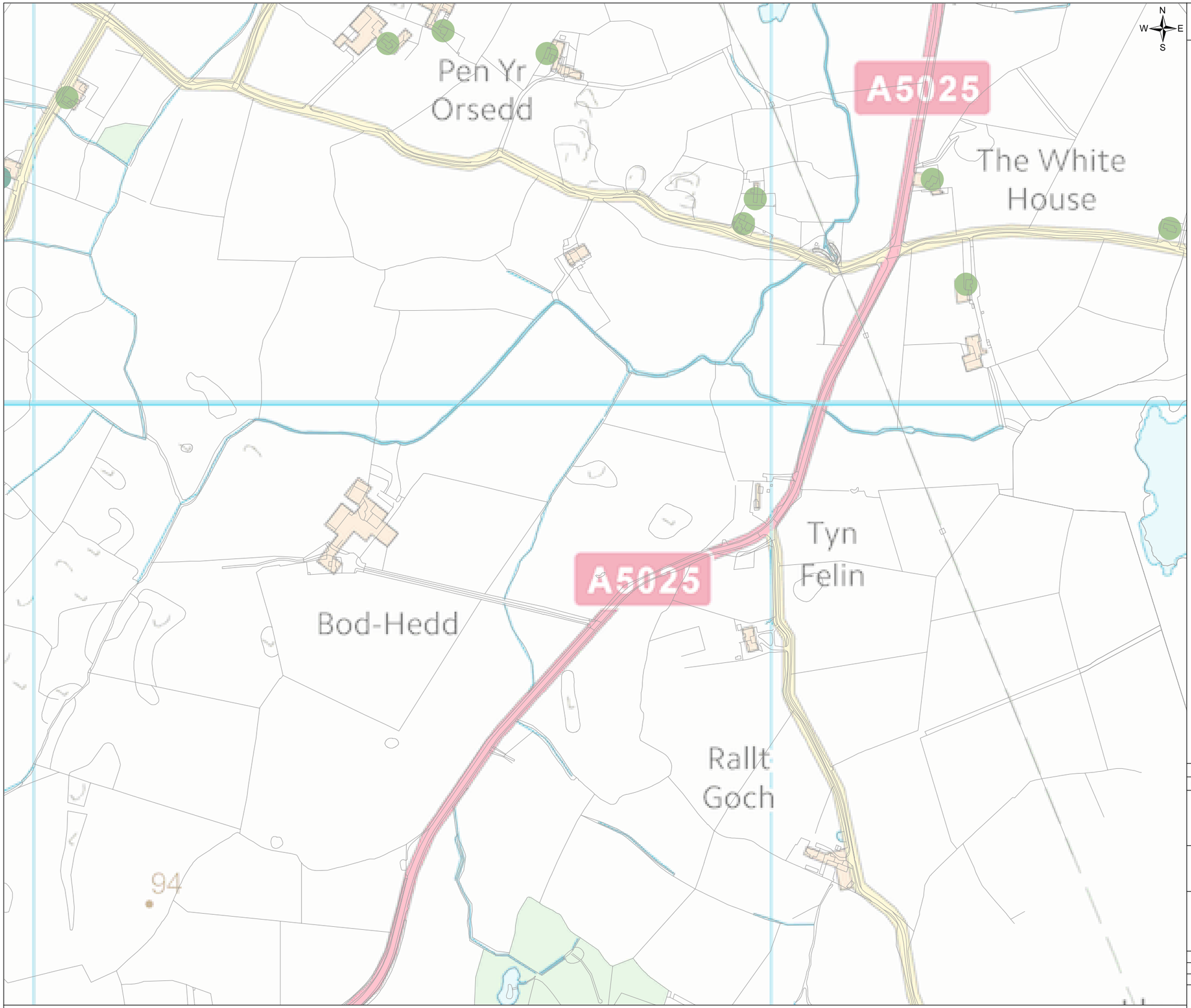
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

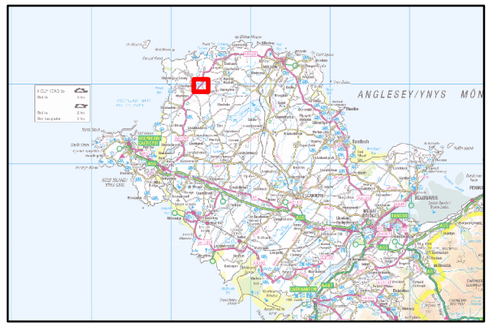
FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

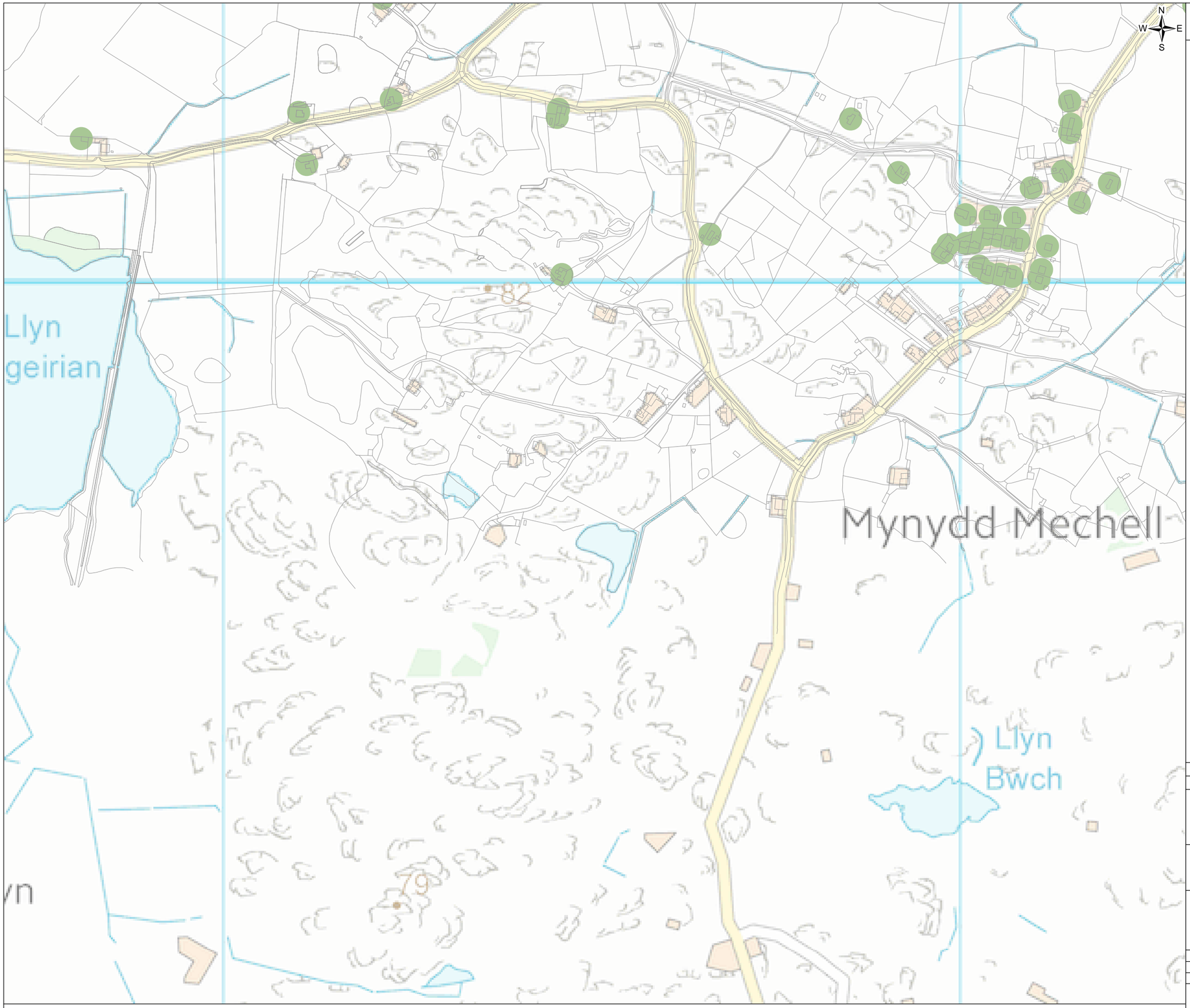
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

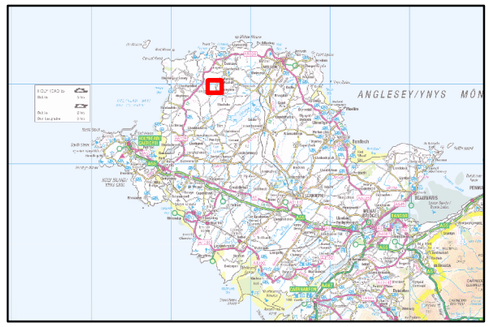
FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (DAYTIME)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

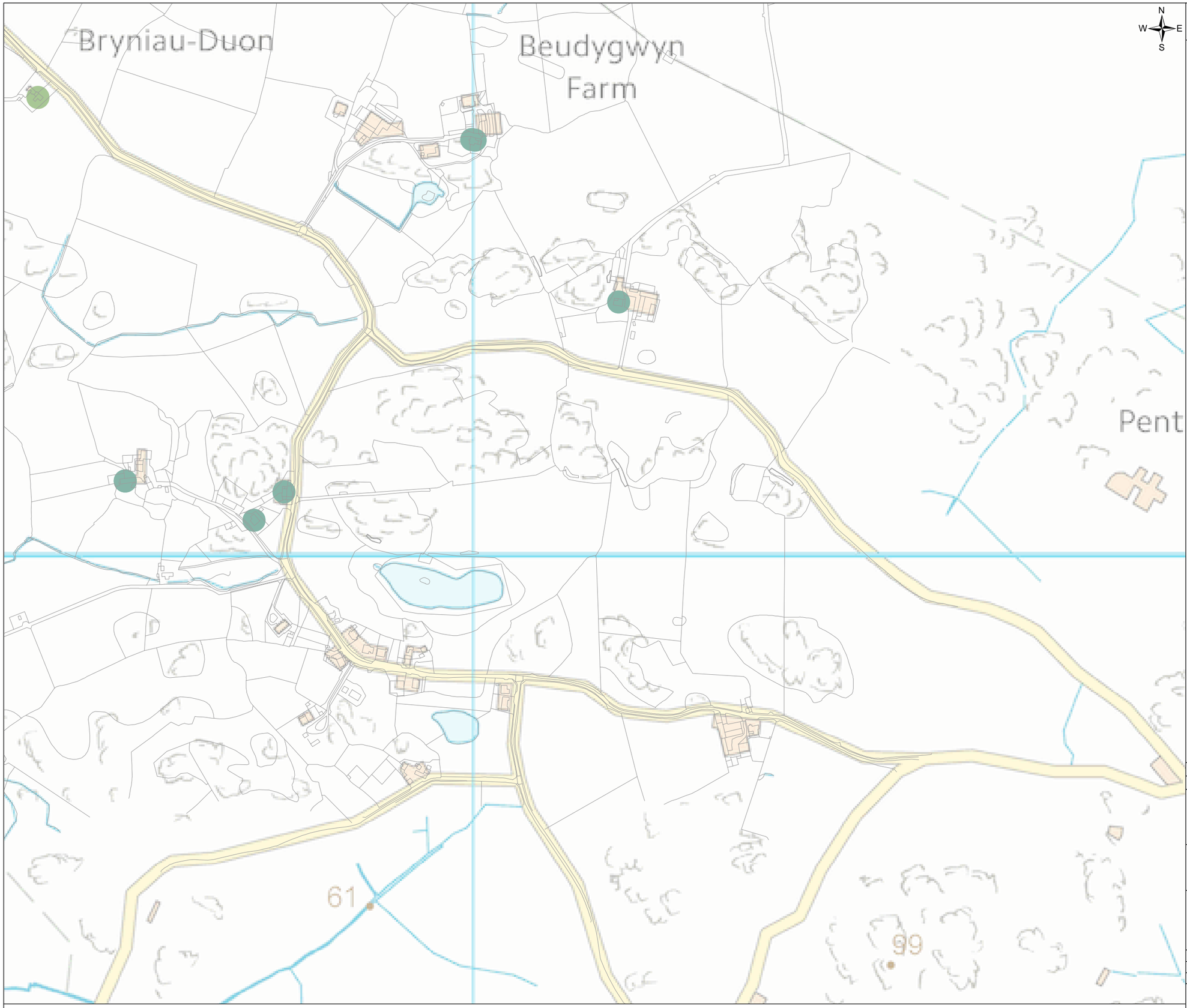


FIGURE 4

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

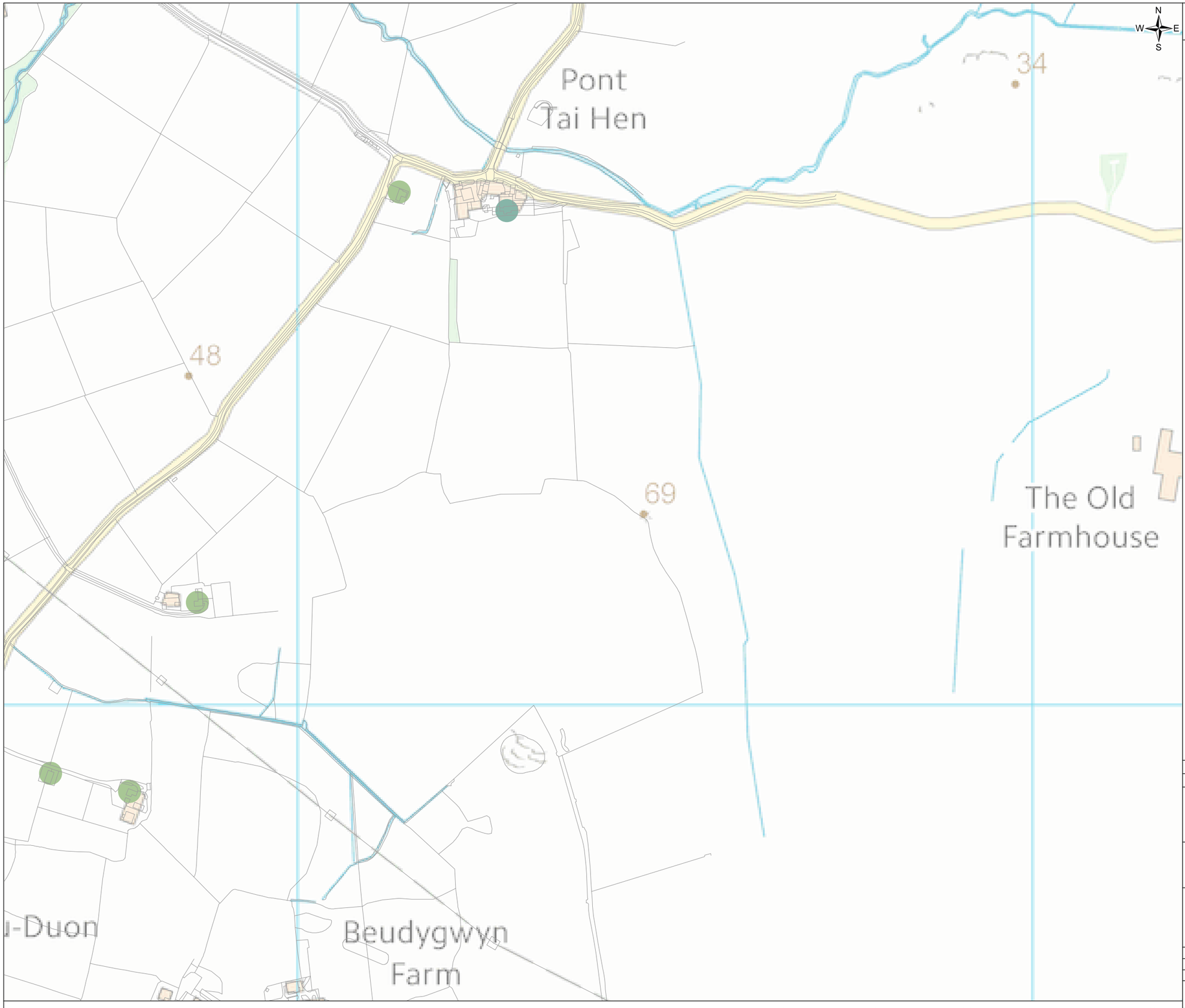
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

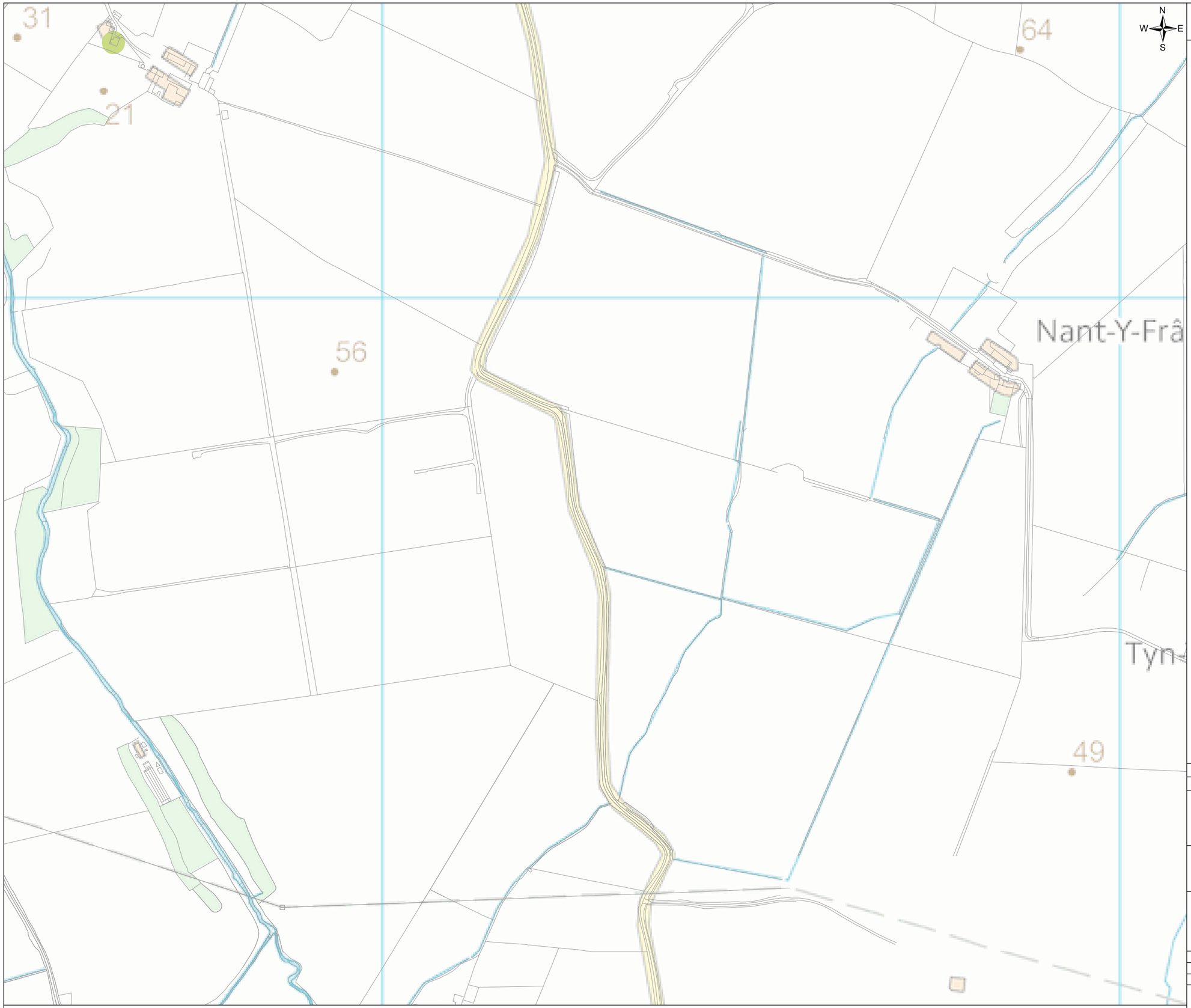
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 4



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

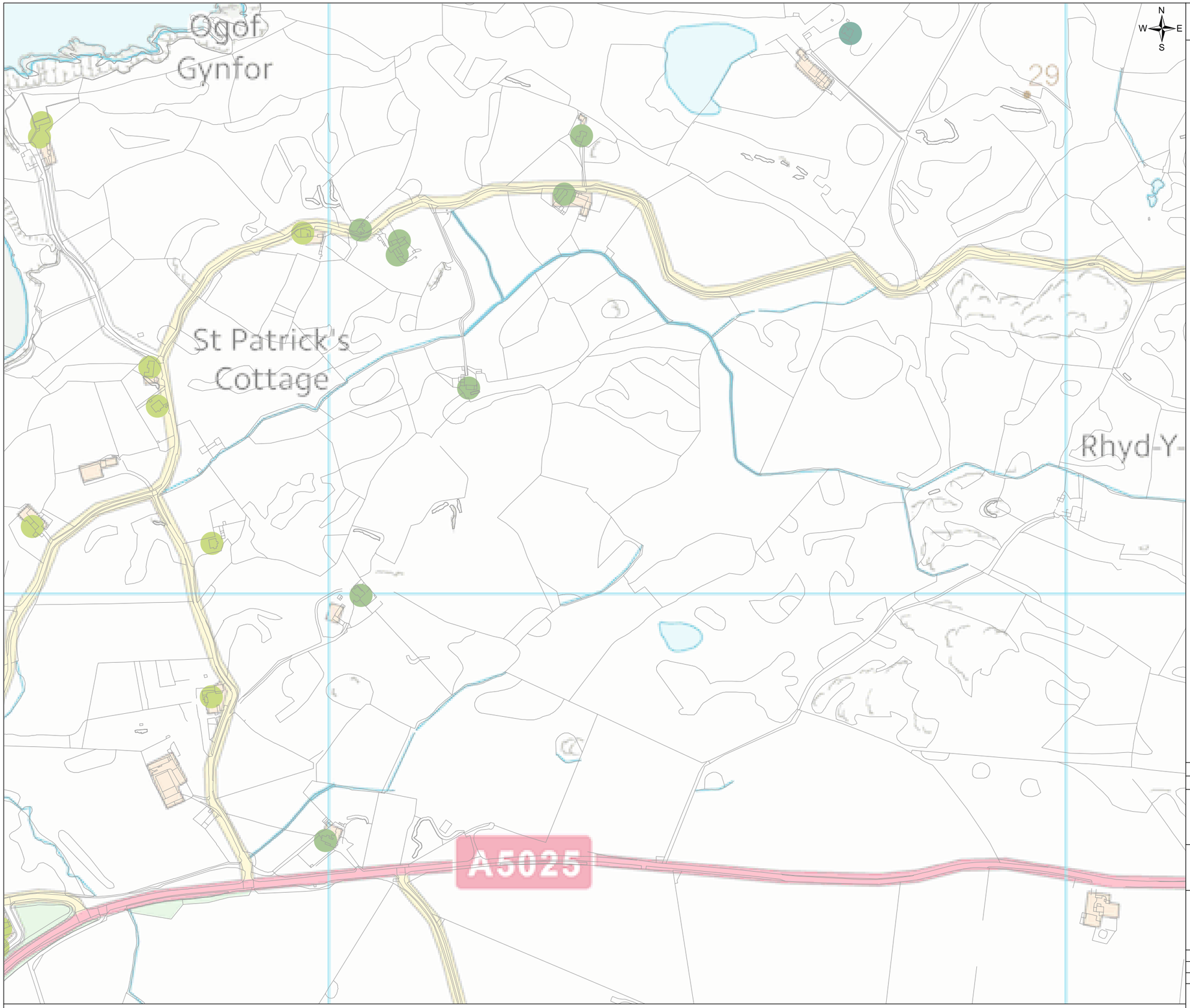


FIGURE 4

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (DAYTIME)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

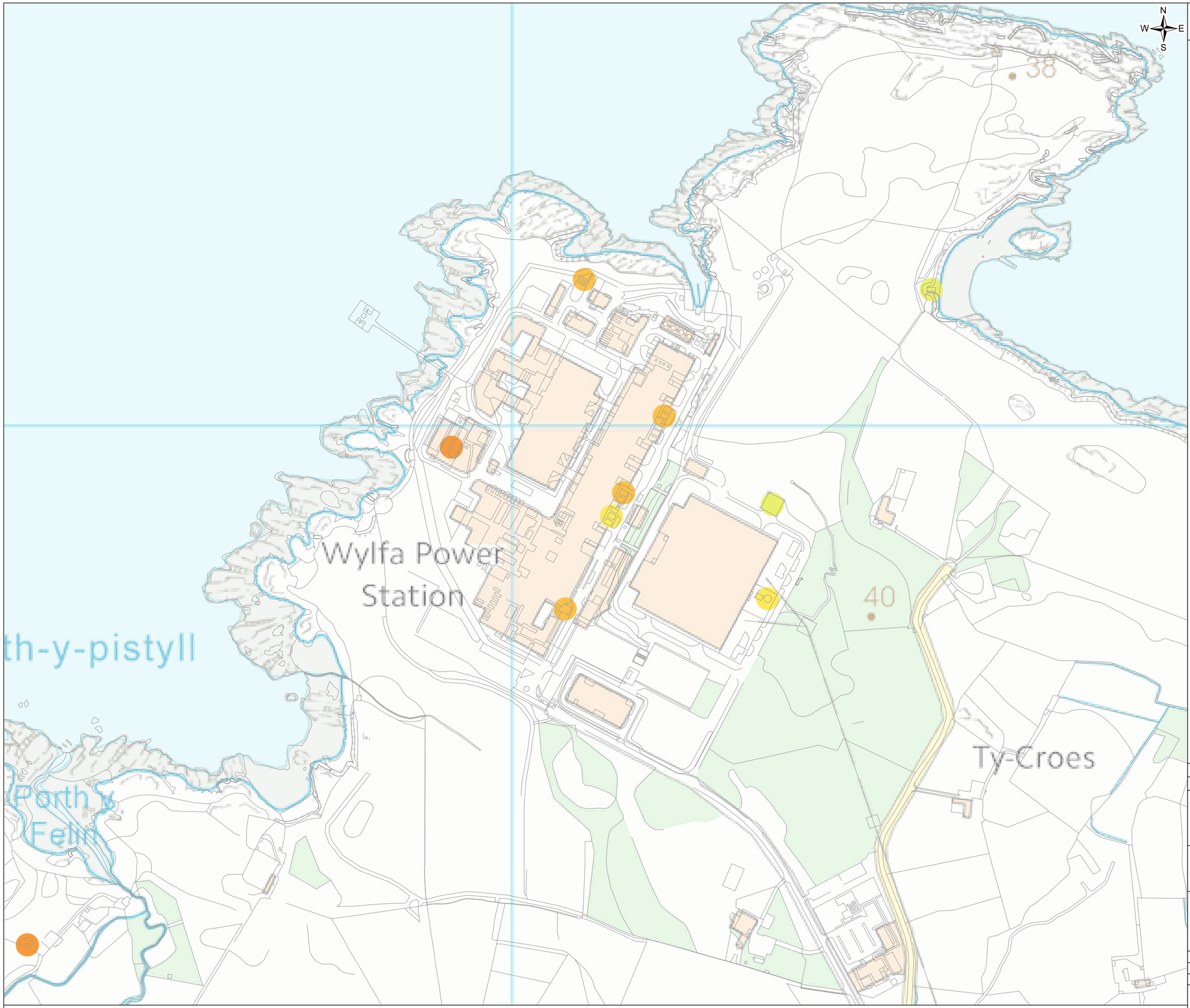
60PO80AS_NOISE_RfNMC_MONTHS10TO12_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5

Esgair Gemlyn

Cemlyn

Capel

Porth Felin

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

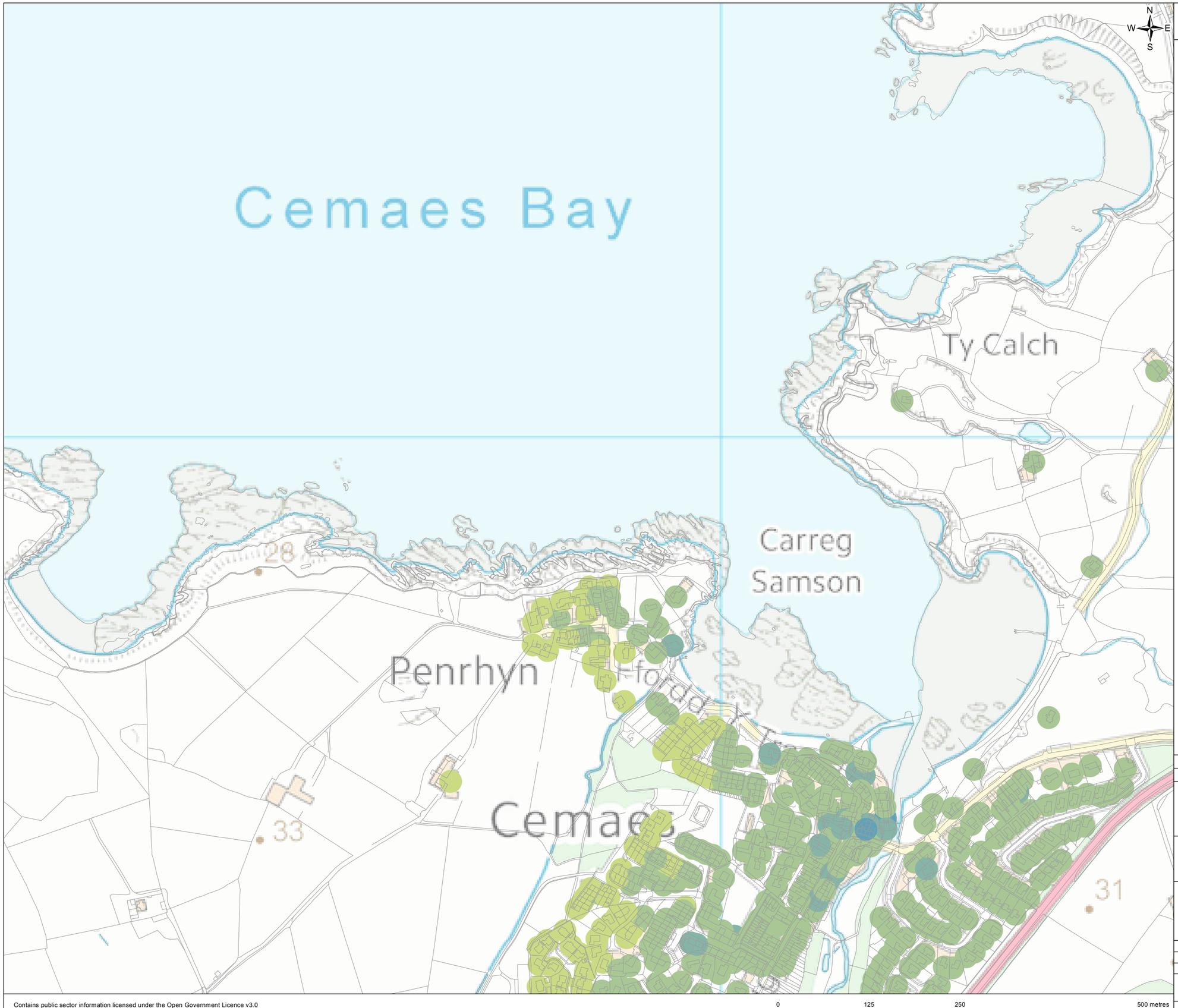
60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (EVENING)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

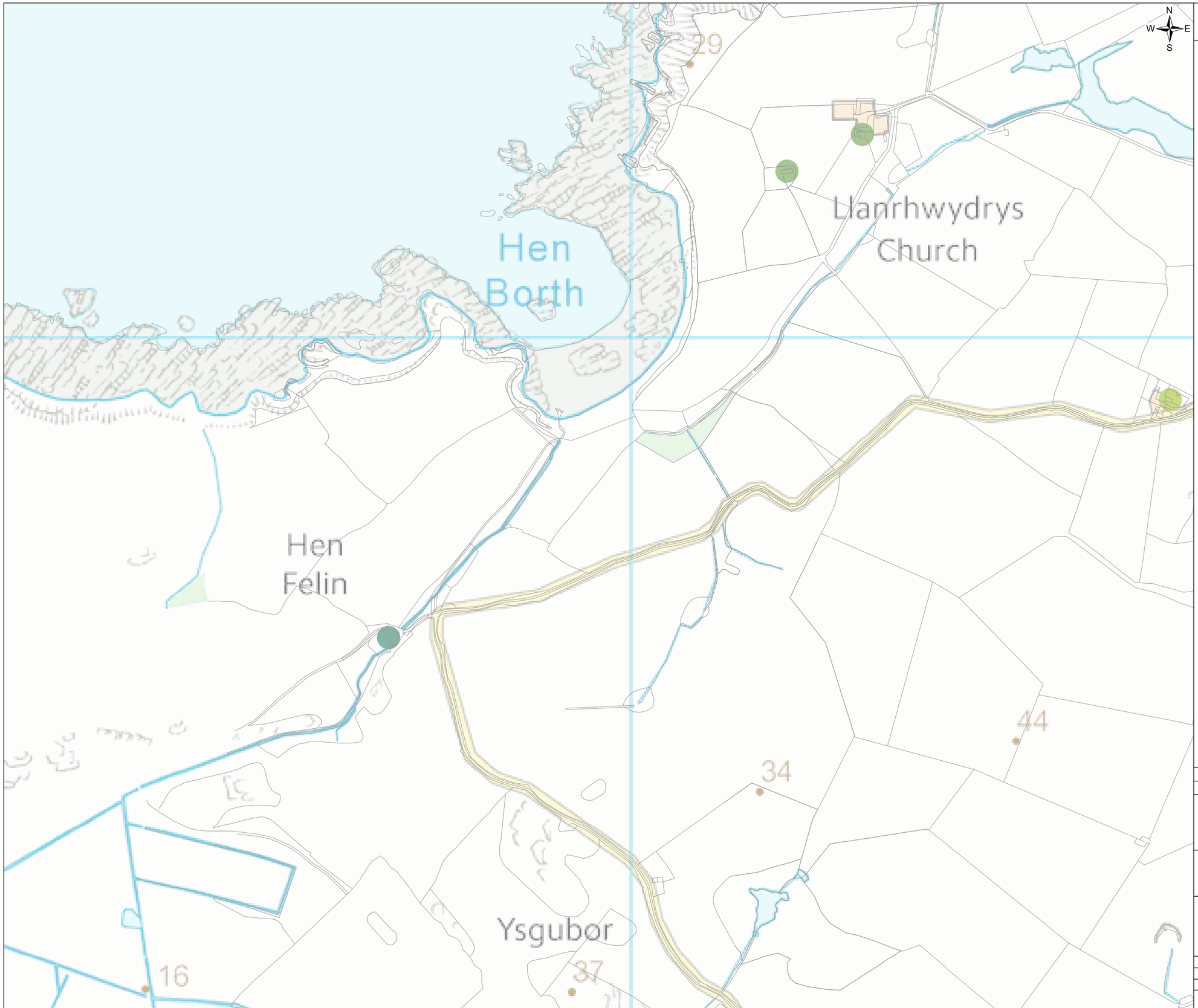
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

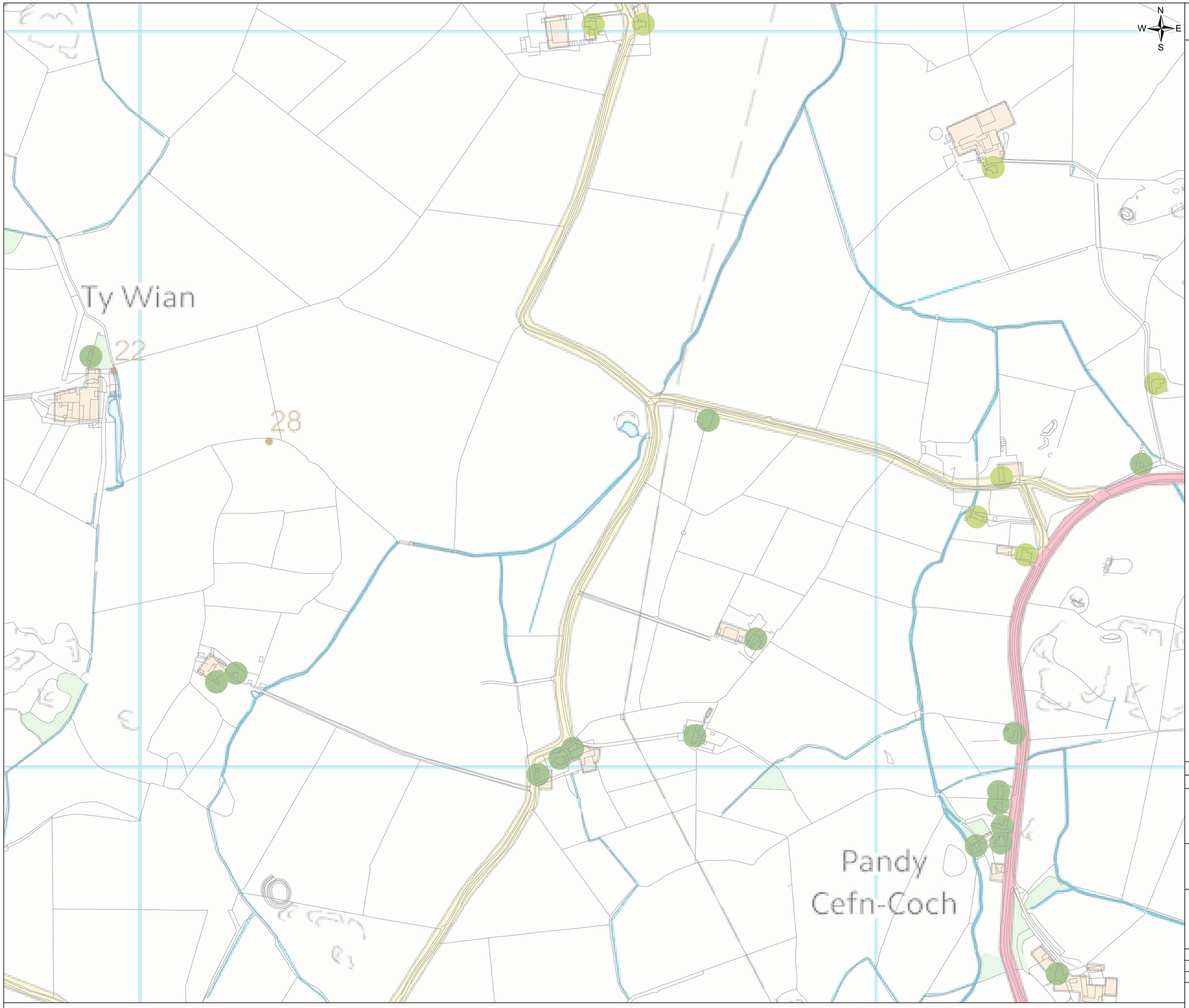


FIGURE 5

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

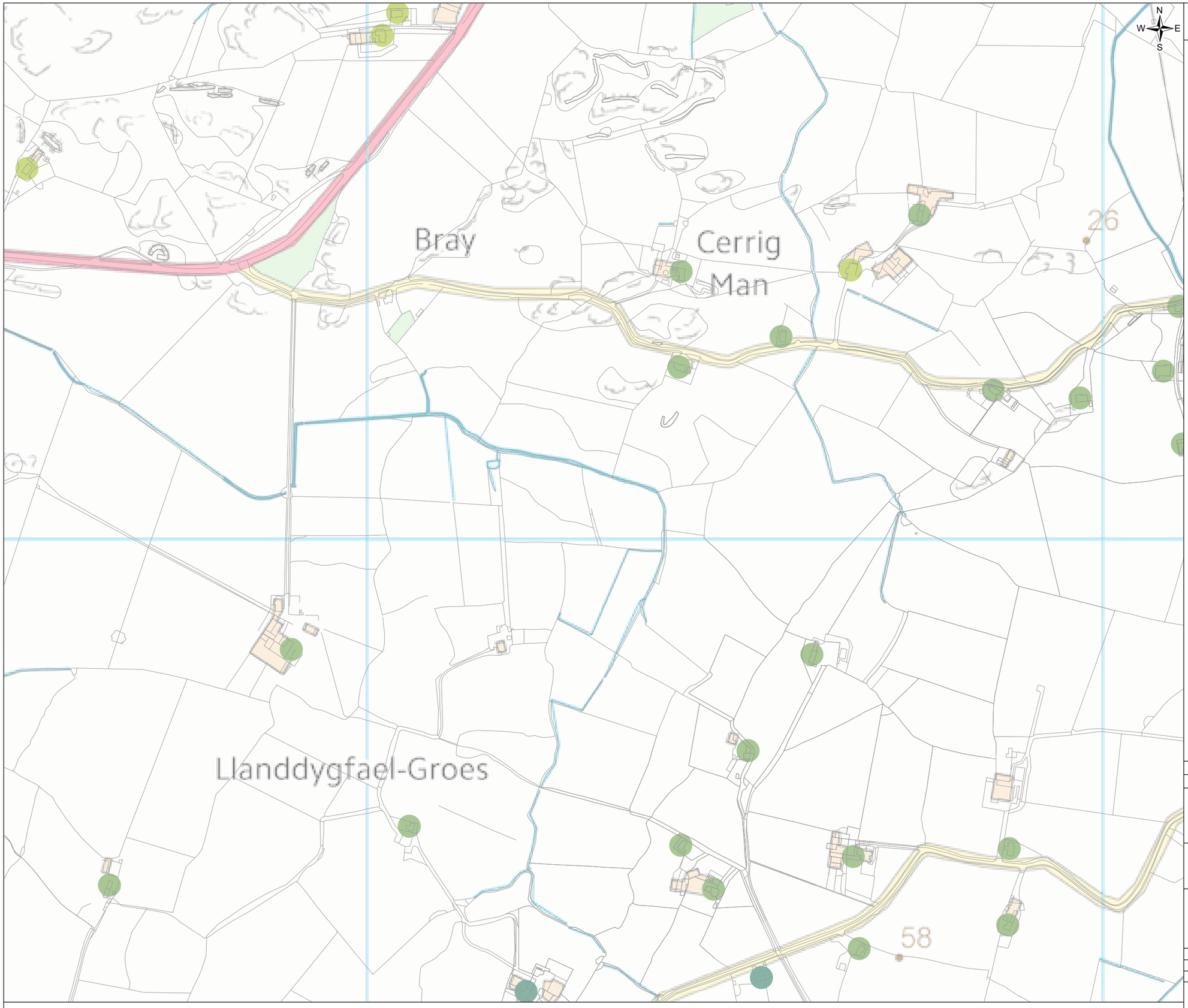
Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

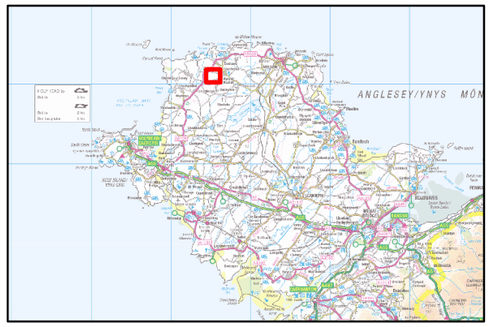
FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (EVENING)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

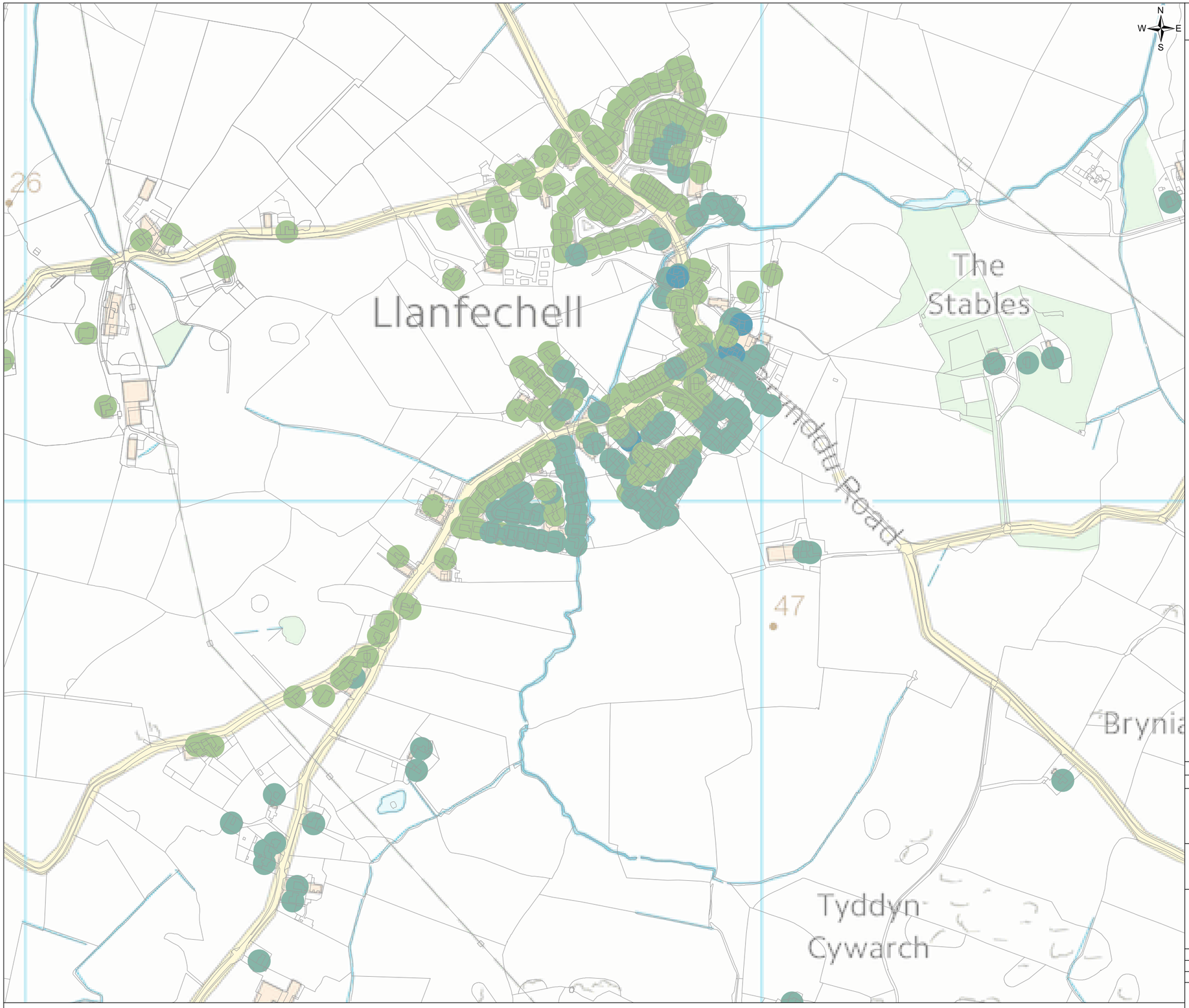
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (EVENING)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

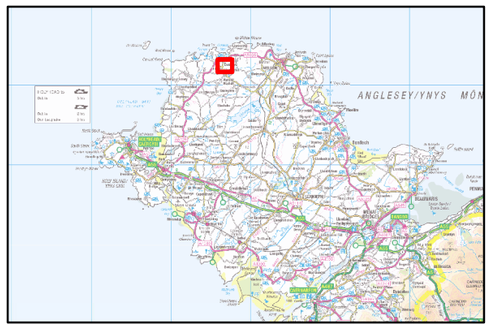
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

FIGURE 5

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5

Llanfairynghornwy

Waen-Lydan

Mynydd-y-Garn

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

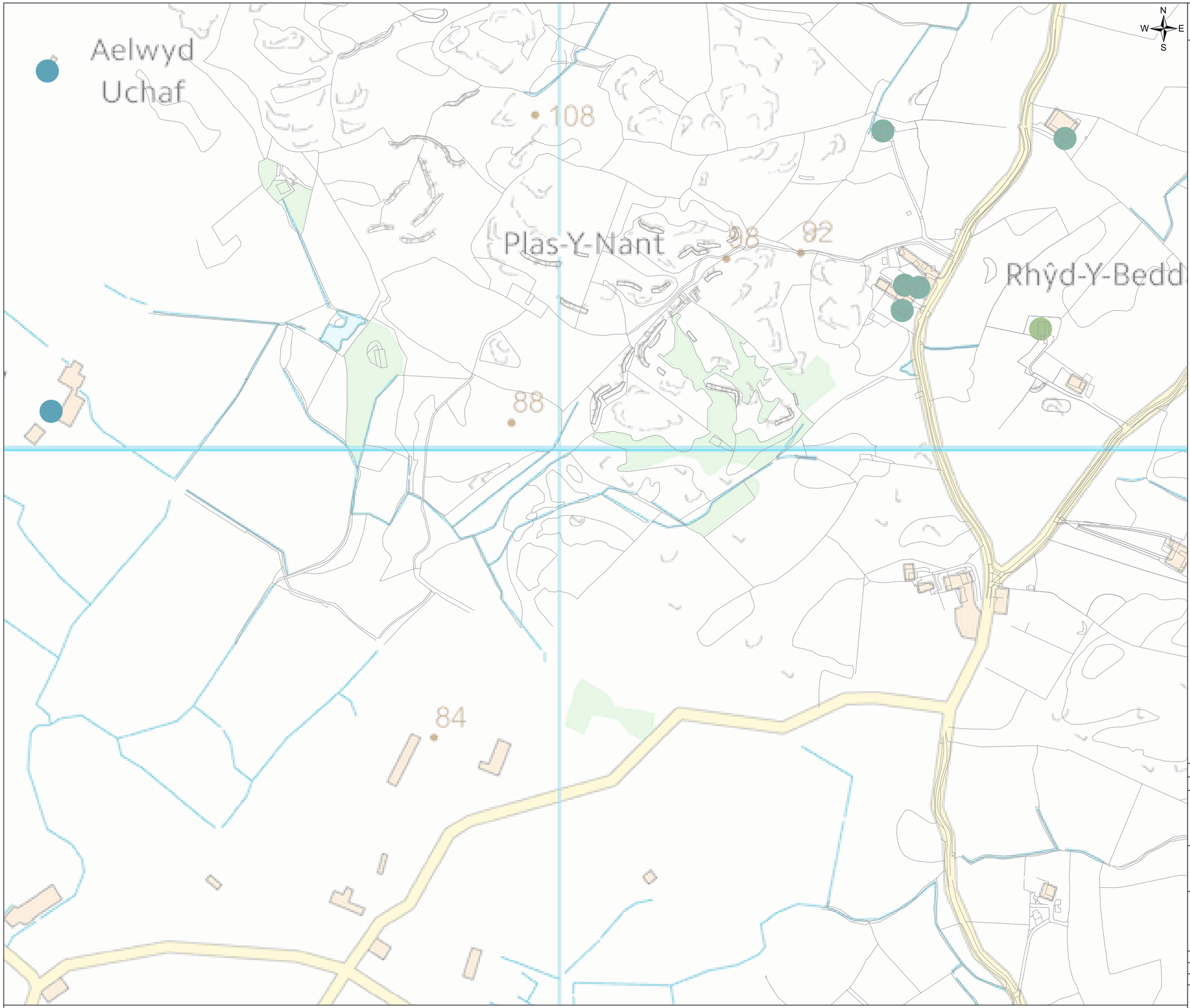
60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5

Pen Yr Orsedd

A5025

The White House

Tyn Felin

A5025

Bod-Hedd

Rallt Goch

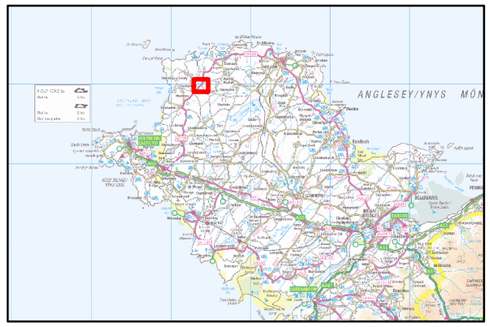
94

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

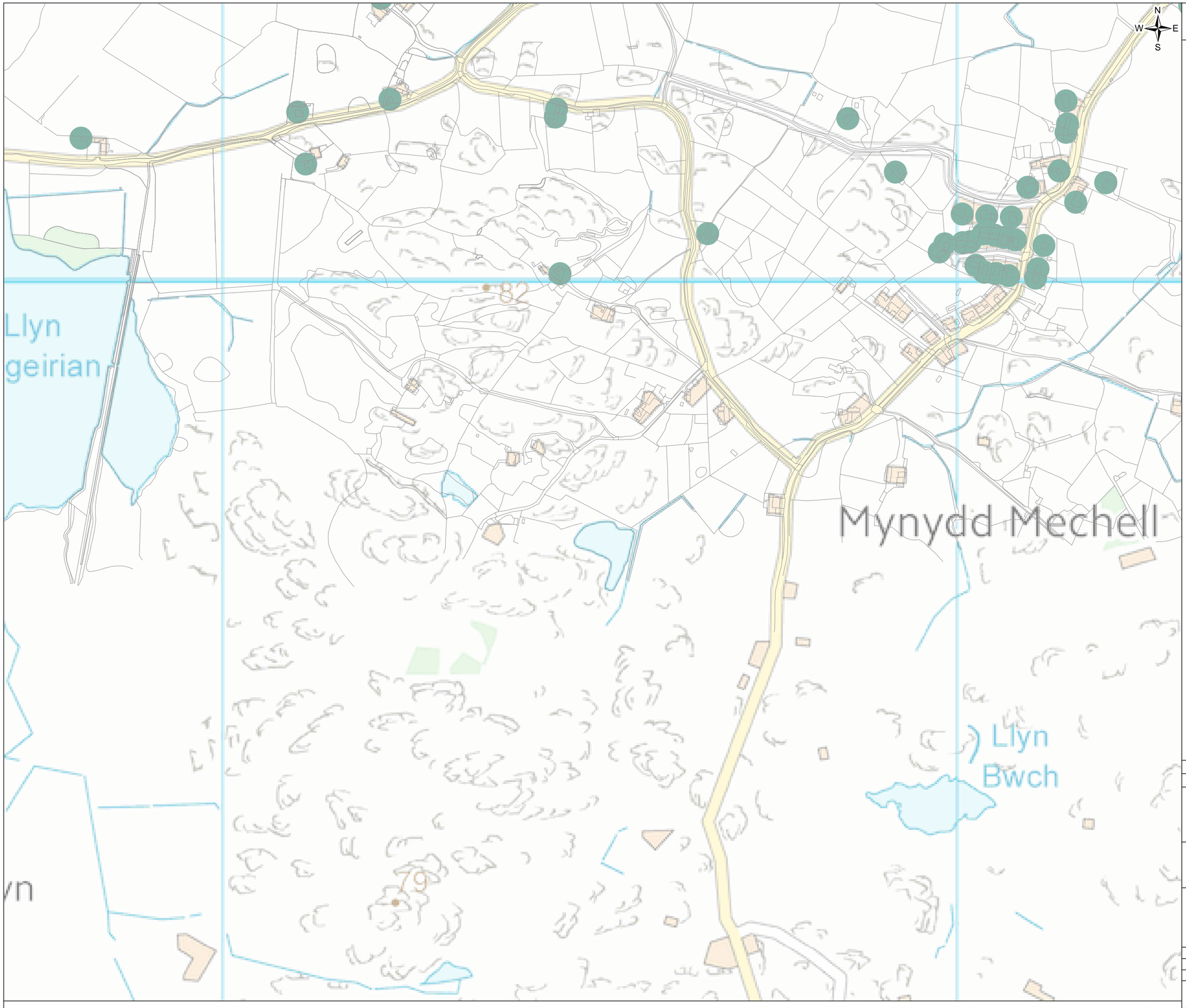
60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

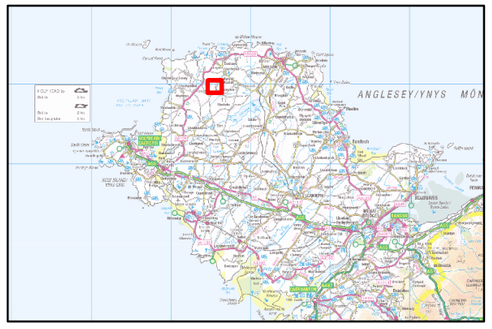
FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (EVENING)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

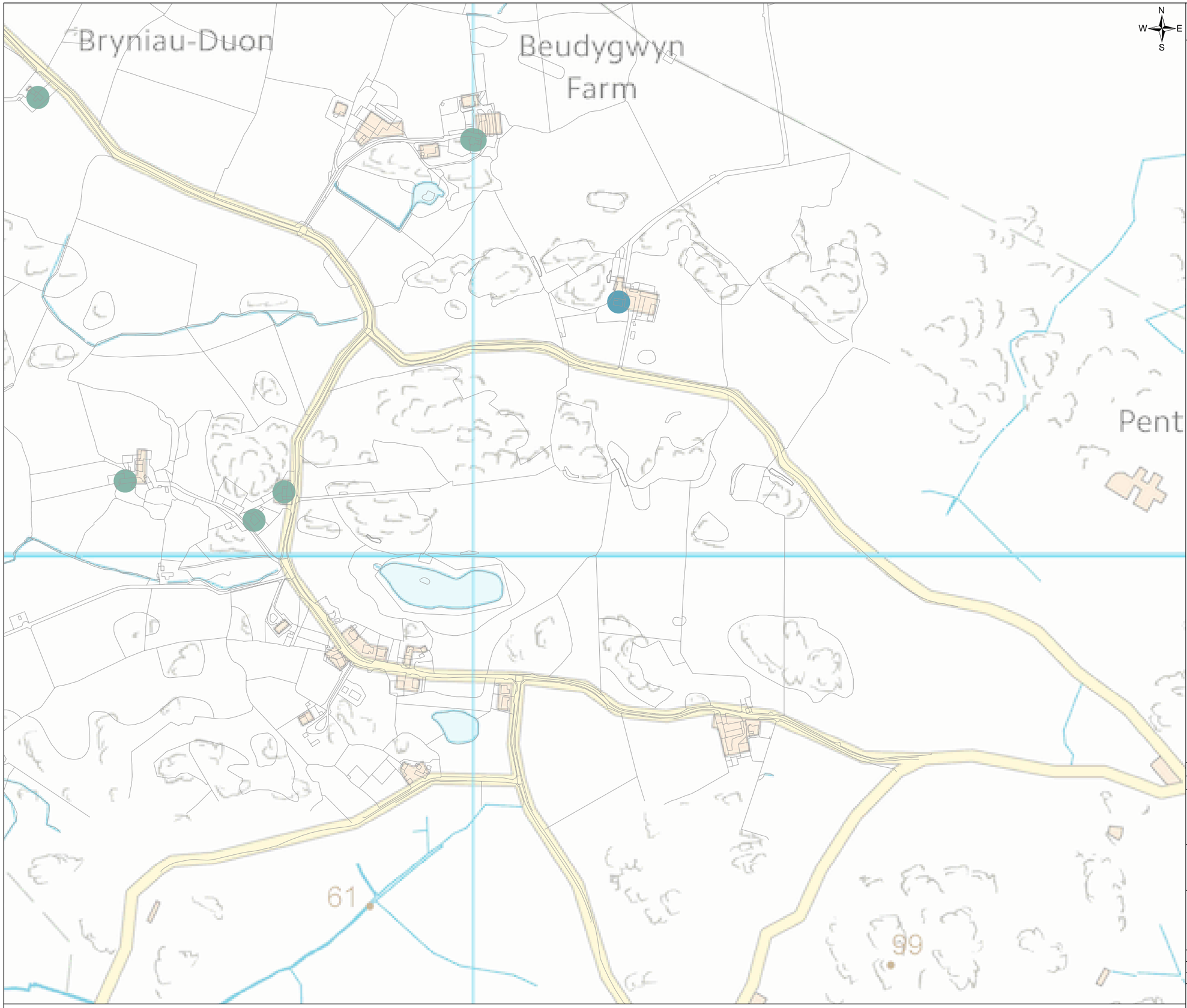


FIGURE 5

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

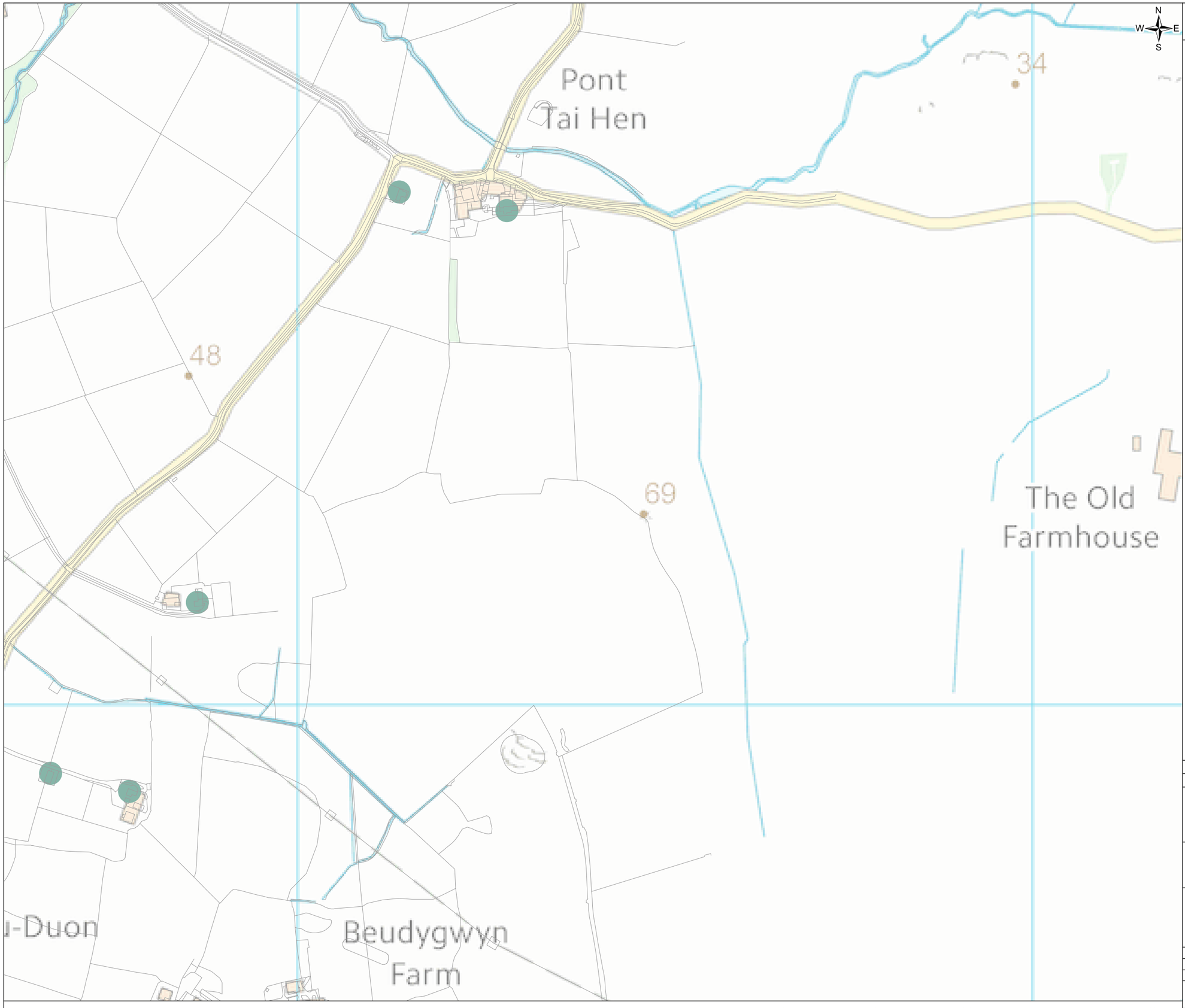
60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 5



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

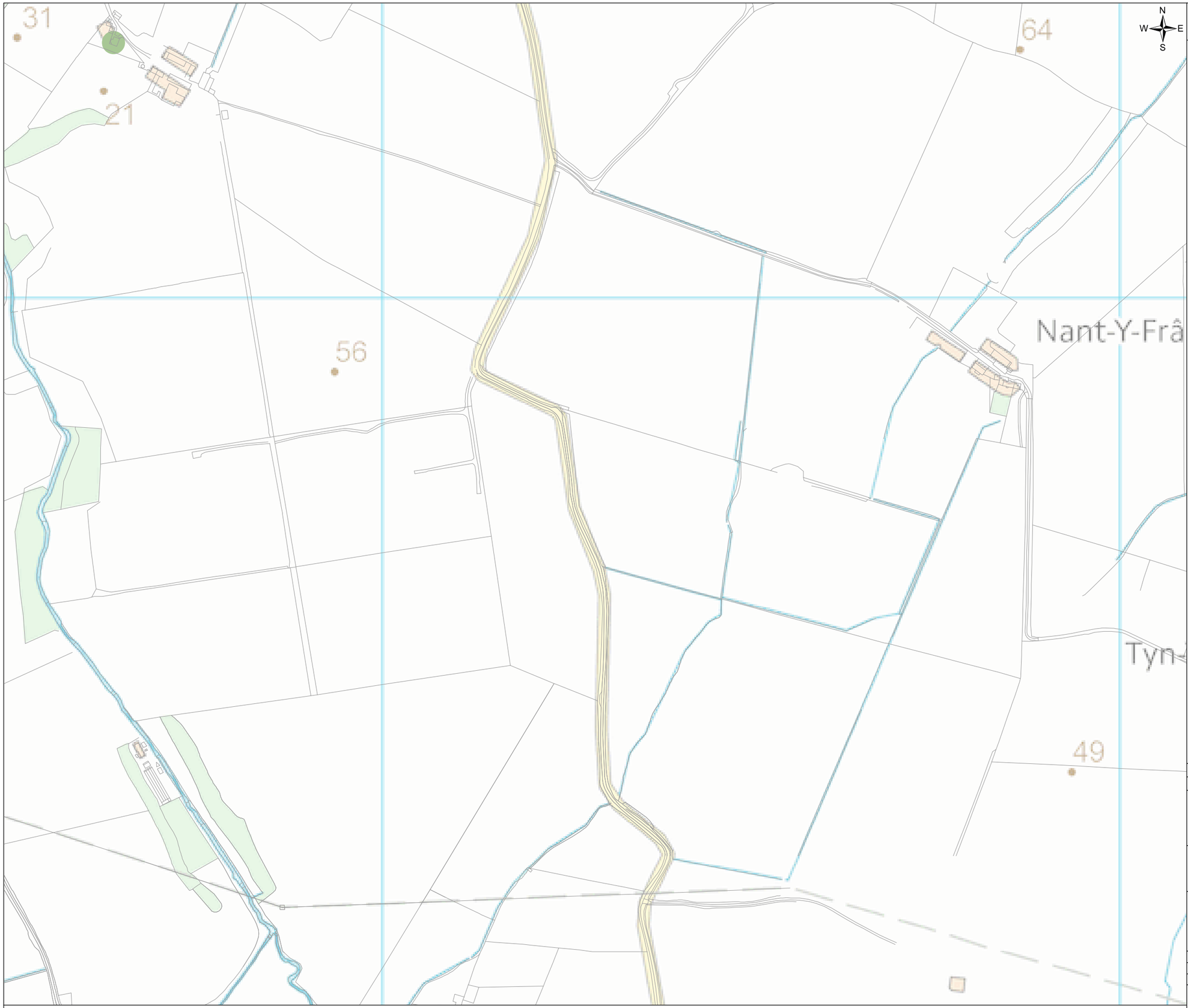


FIGURE 5

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

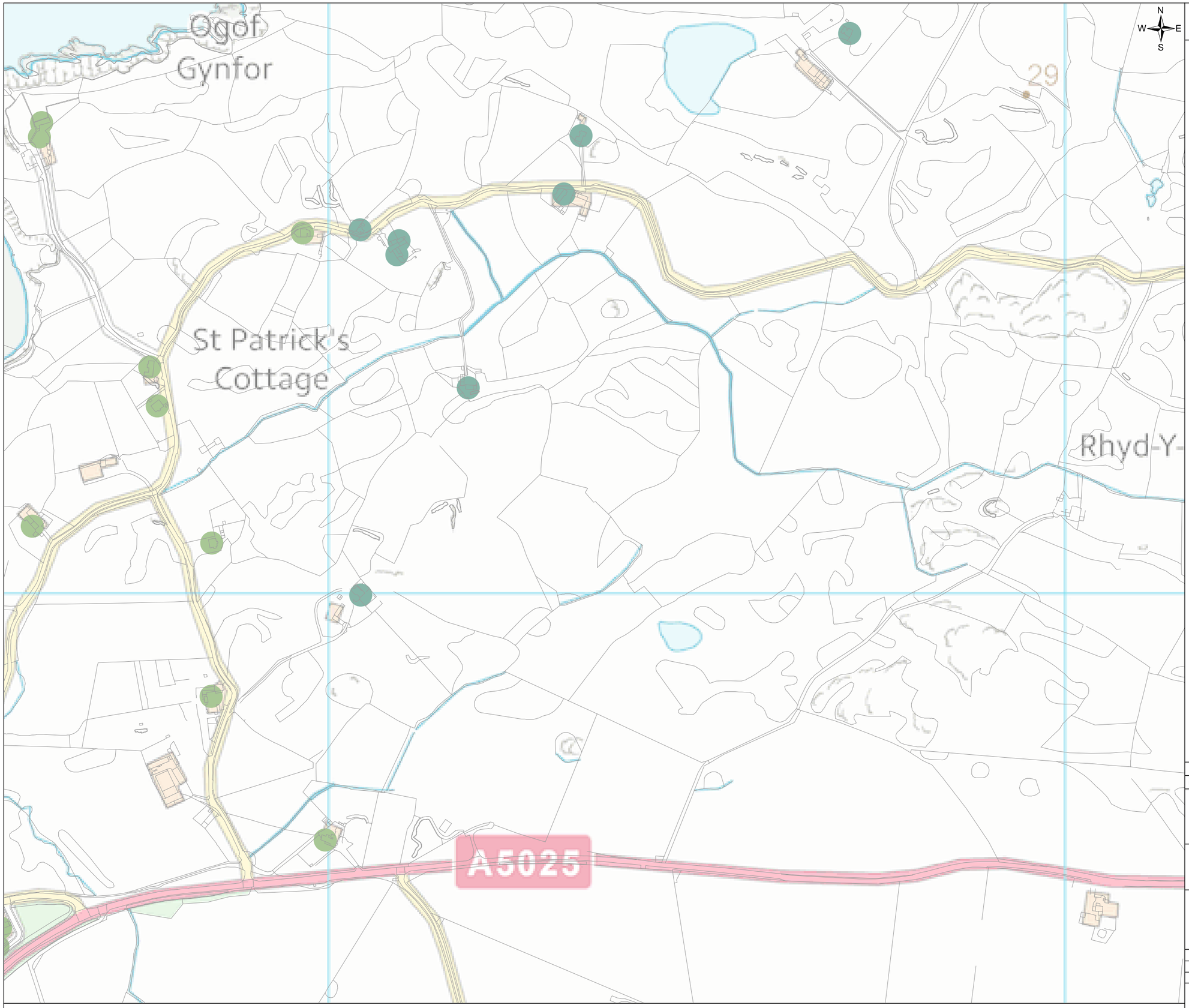


FIGURE 5

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (EVENING)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

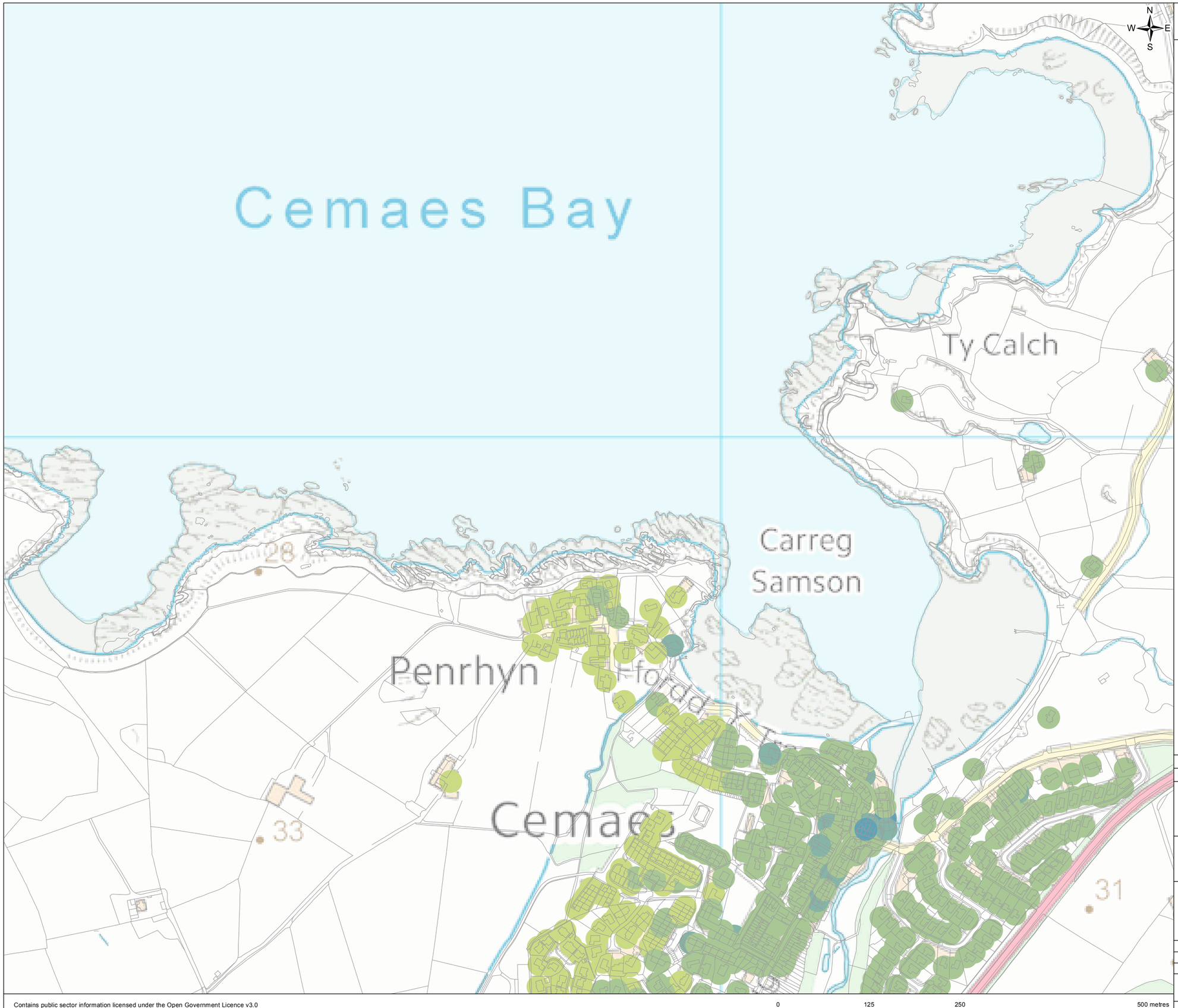
60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

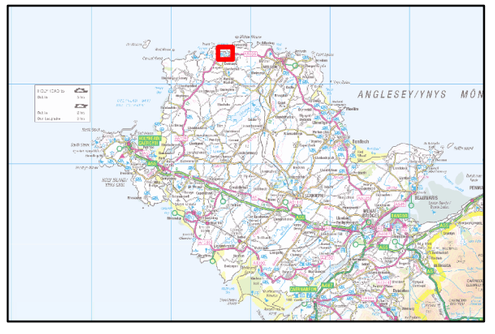
FIGURE 6



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

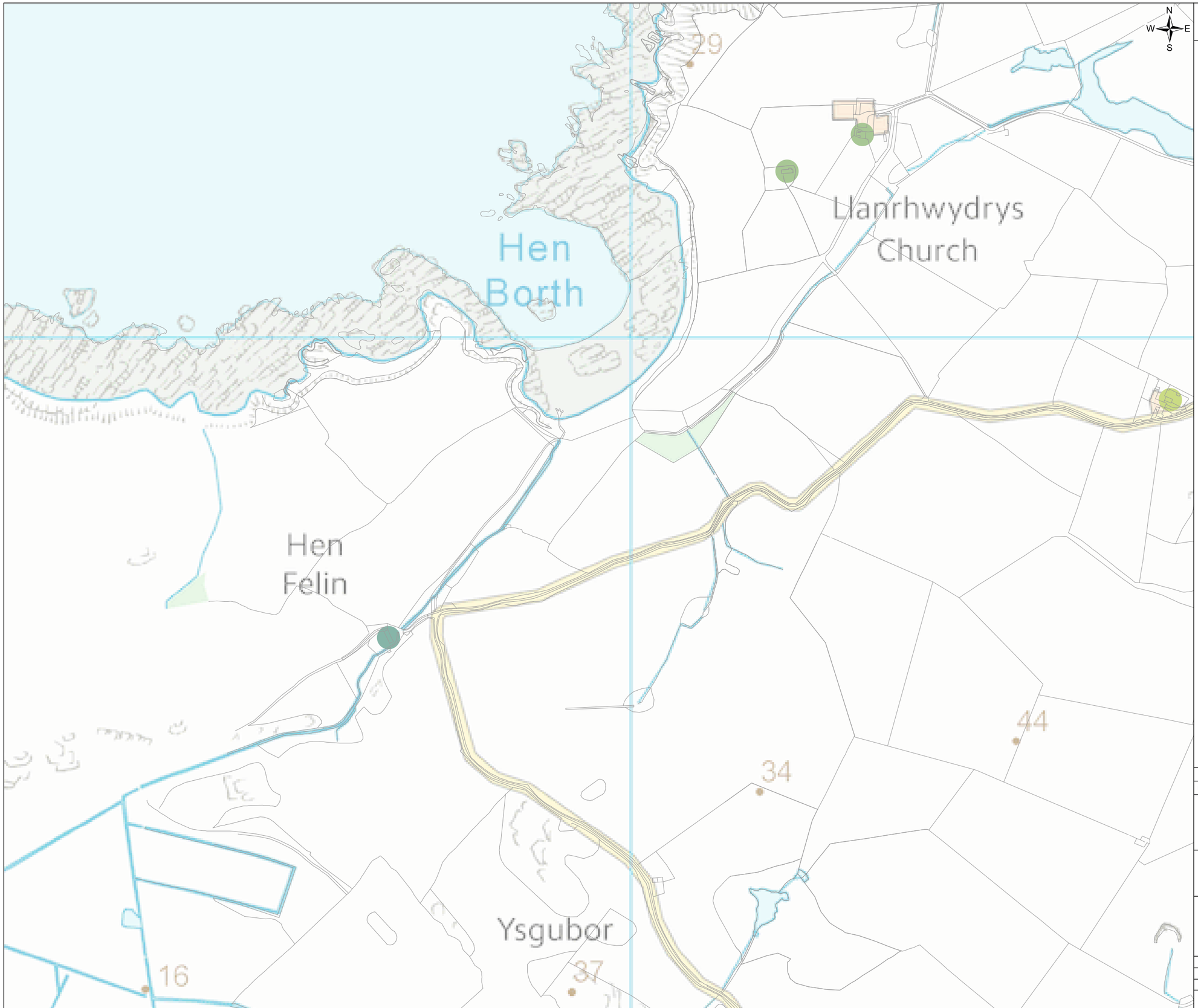
60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

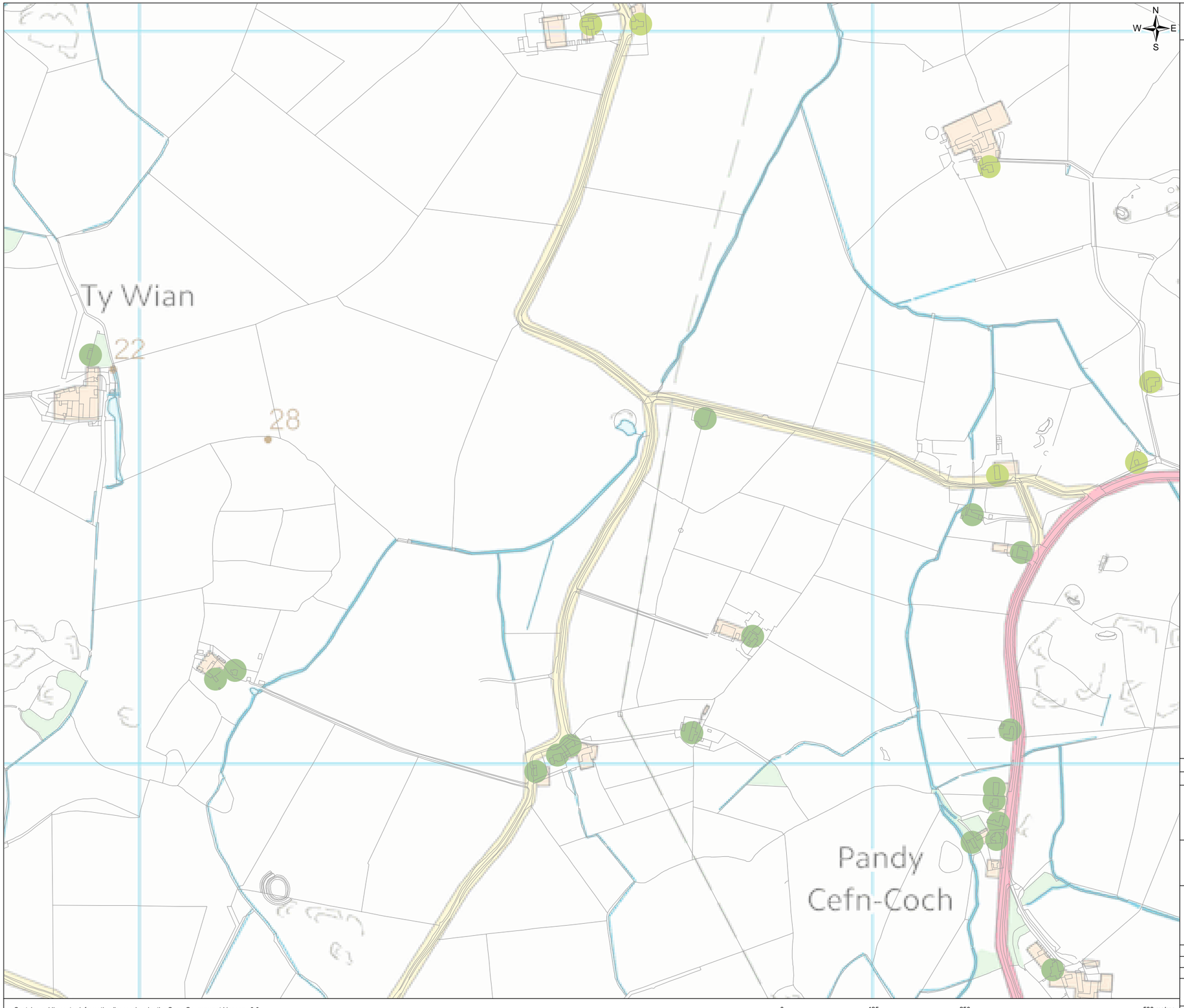
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

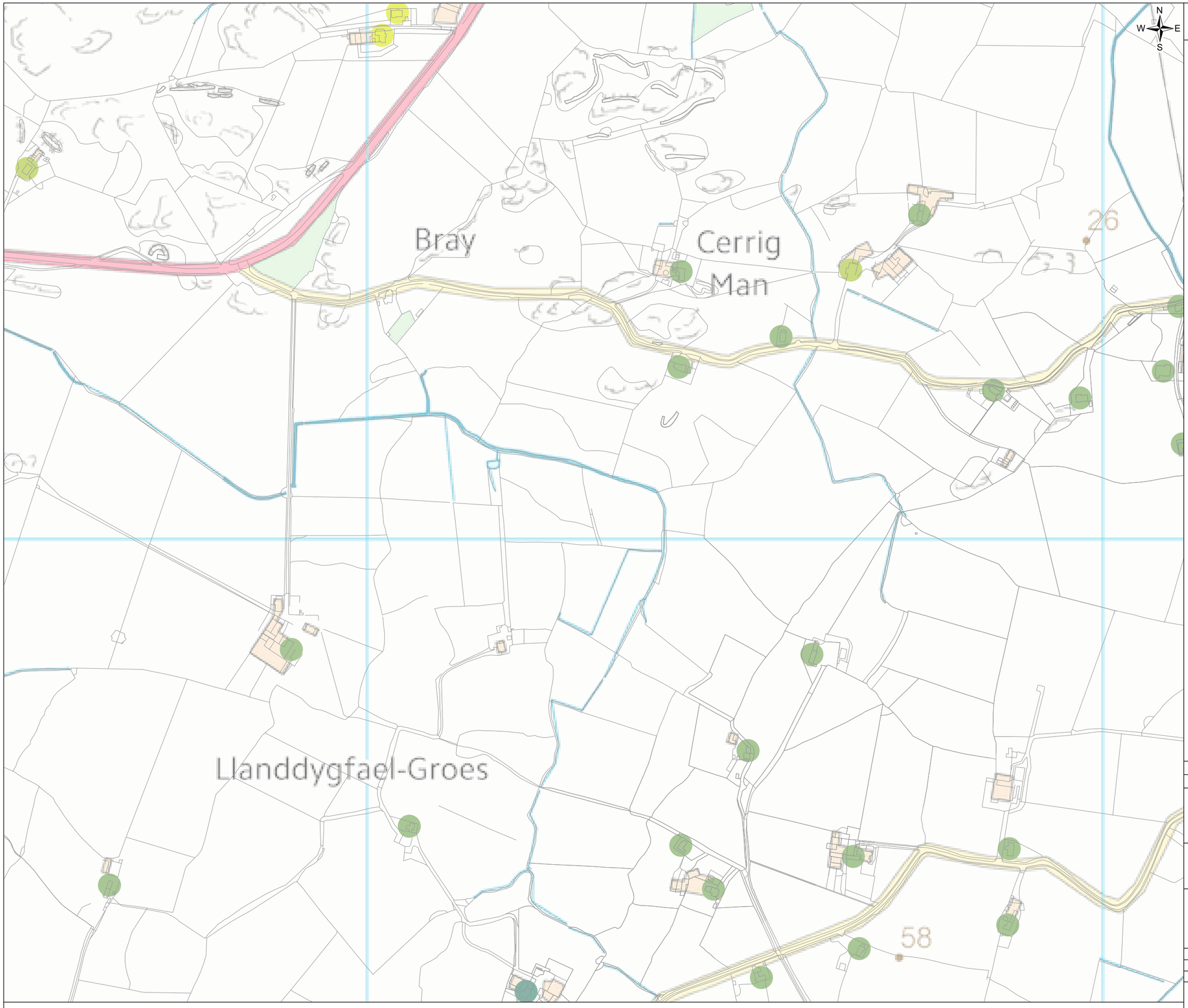
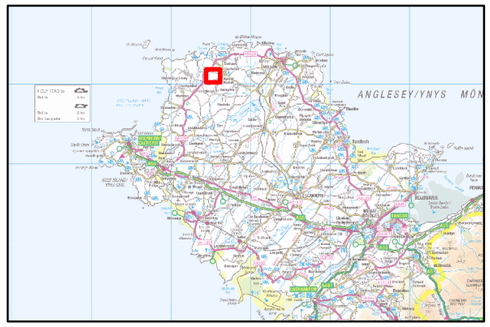


FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

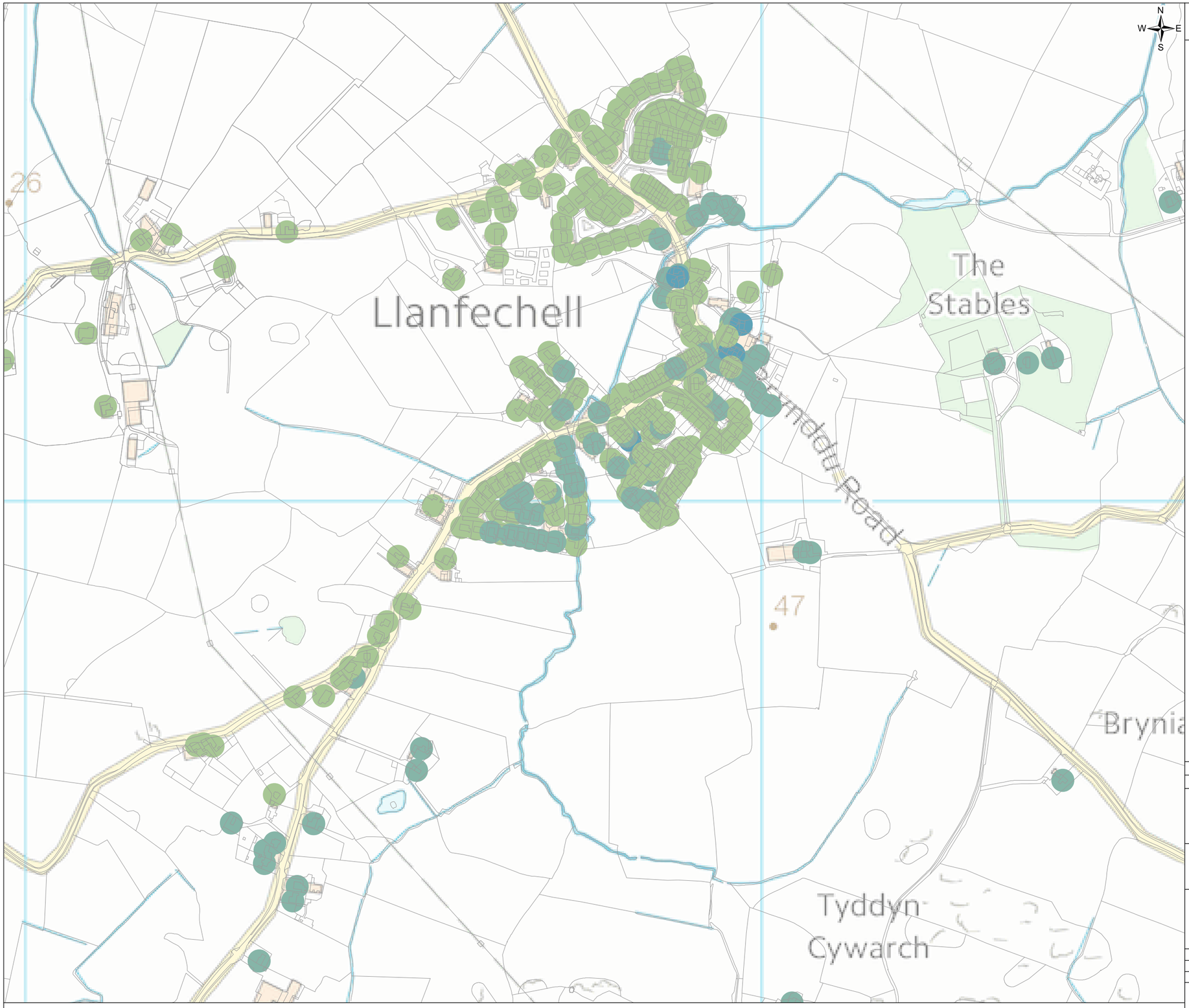
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

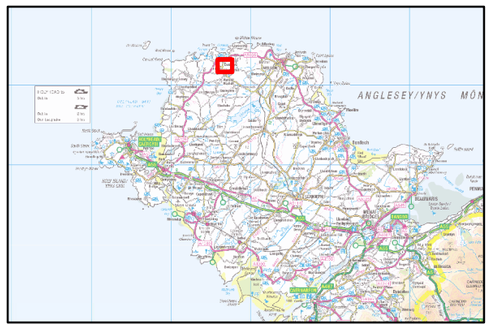
This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

N W E S

Llanfairynghornwy

Waen-Lydan

Mynydd-y-Garn

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6

Aelwyd Uchaf

Plas-Y-Nant

Rhŷd-Y-Bedd

108

98

92

88

84

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 6

Pen Yr Orsedd

A5025

The White House

Tyn Felin

A5025

Bod-Hedd

Rallt Goch

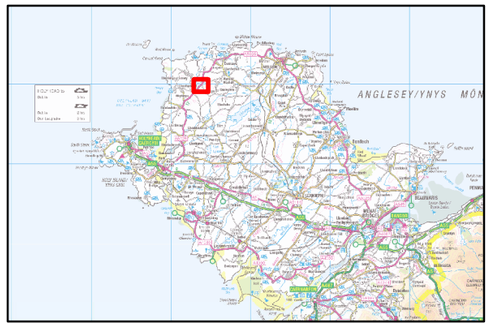
94

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

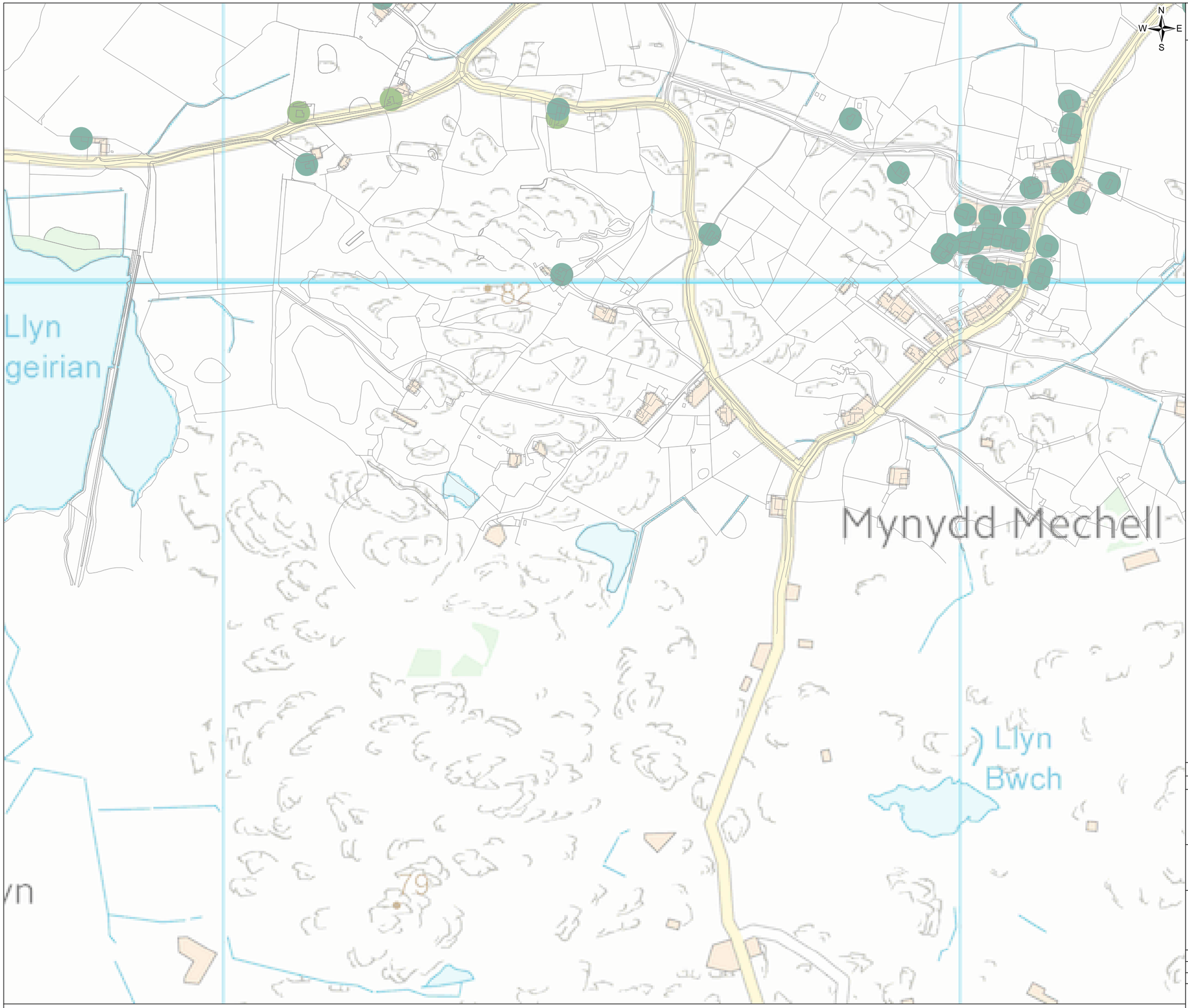
60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

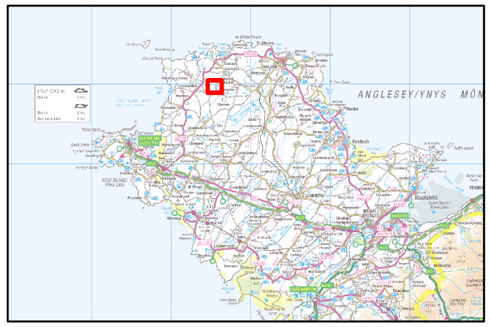
FIGURE 6



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

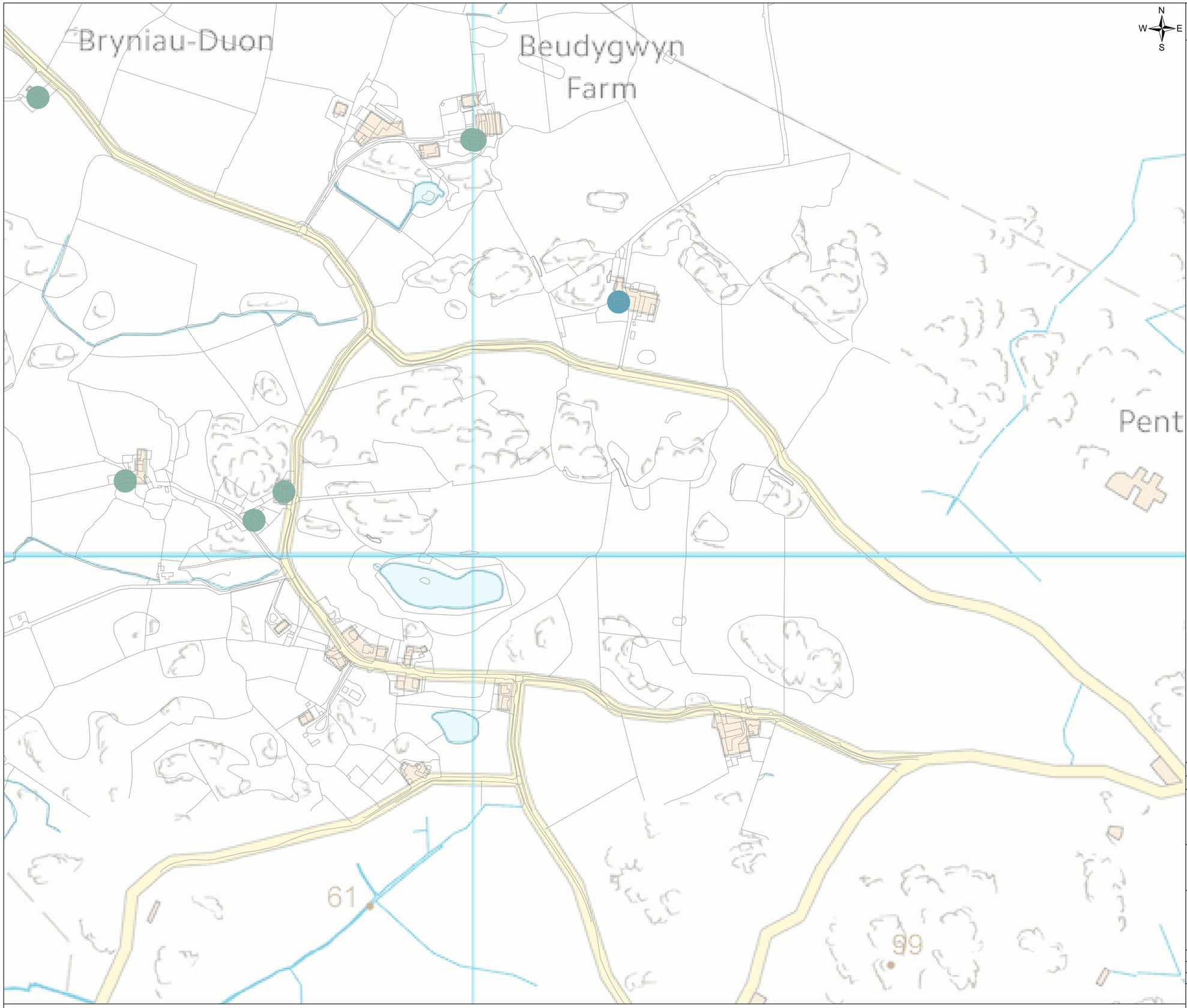


FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

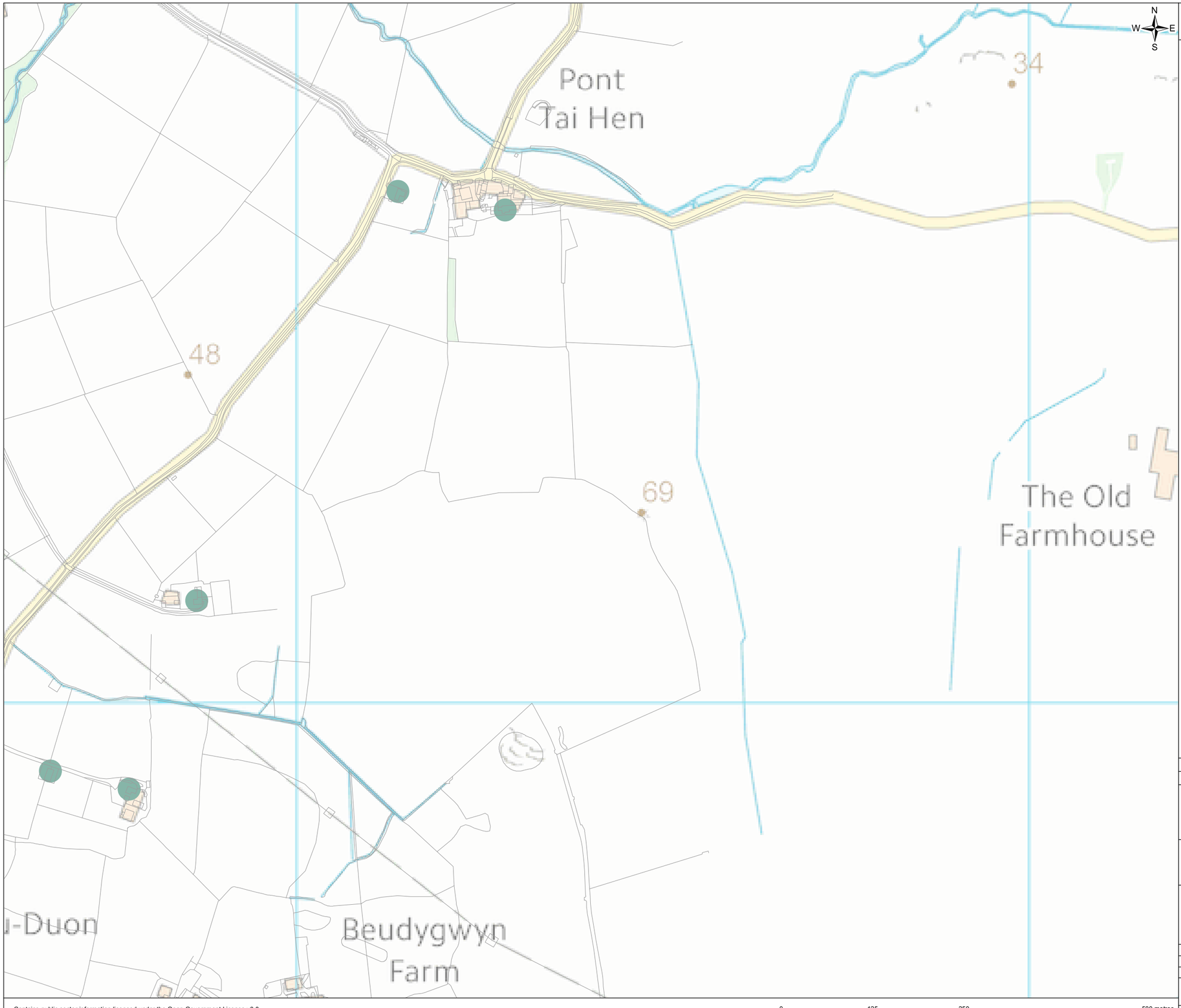
60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

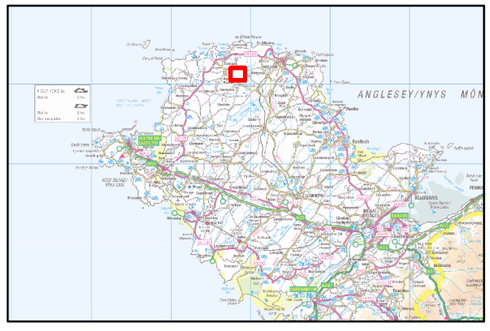
FIGURE 6



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

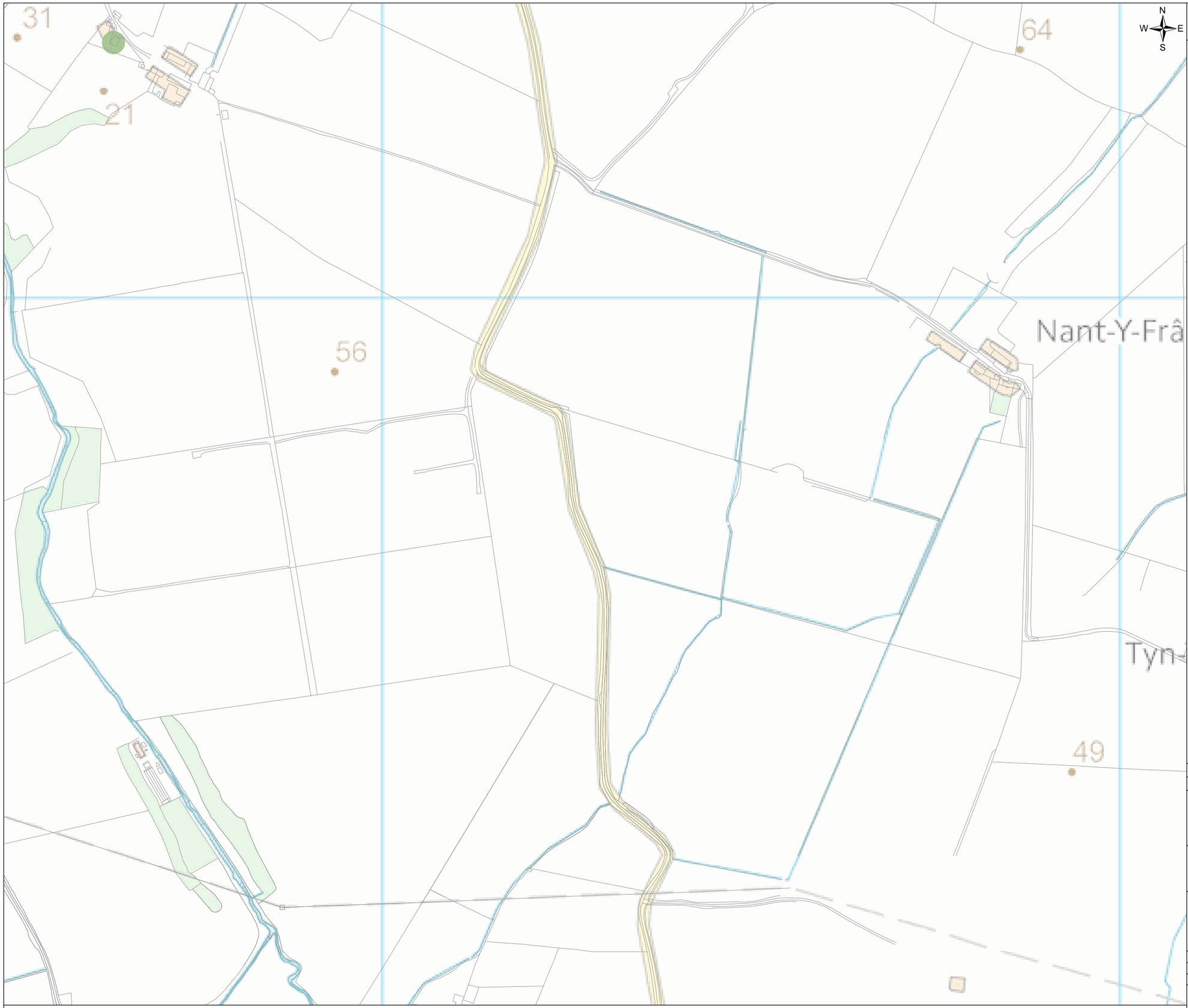


FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

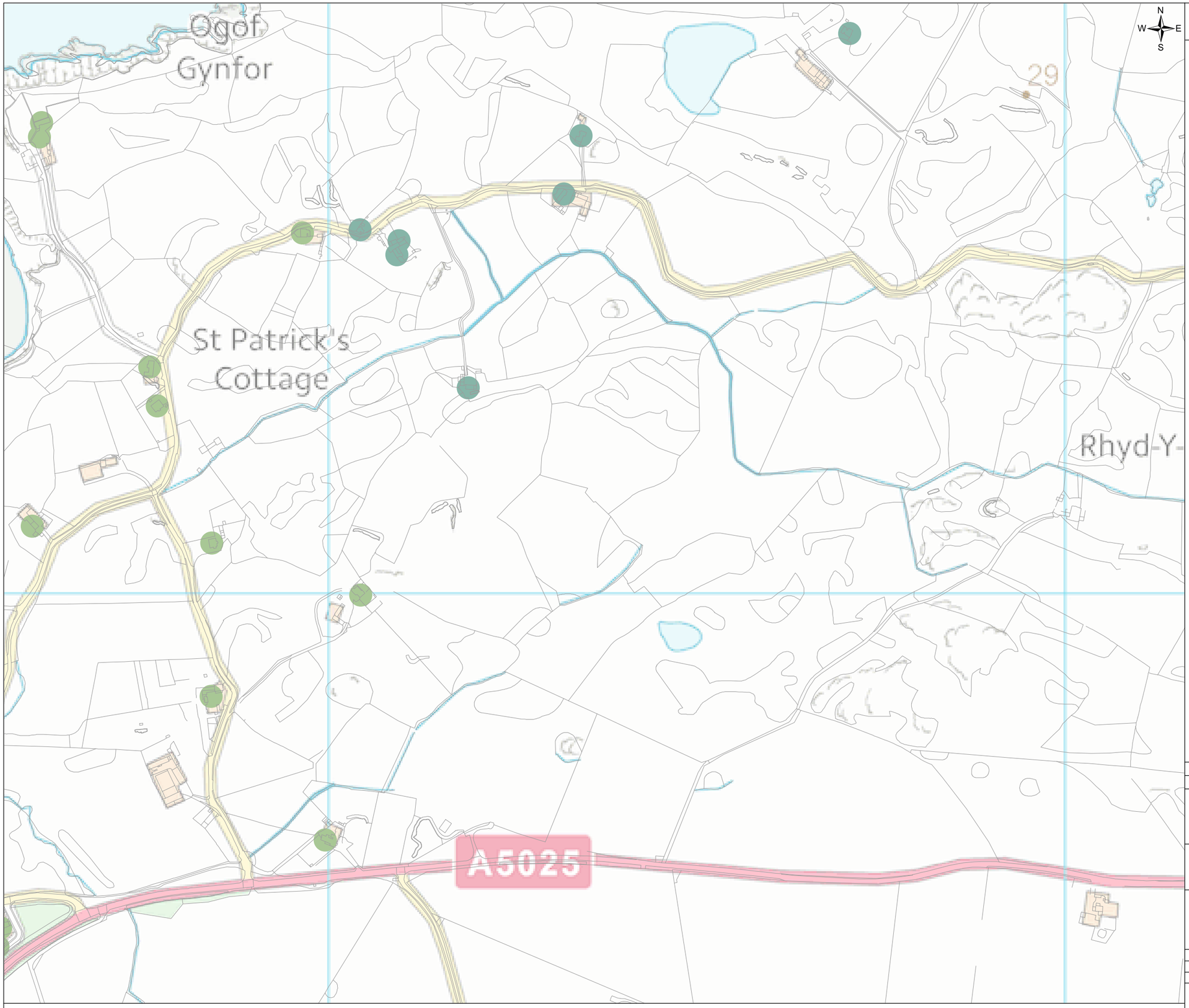


FIGURE 6

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 10 TO 12 (NIGHT-TIME)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS10TO12_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (DAYTIME) SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

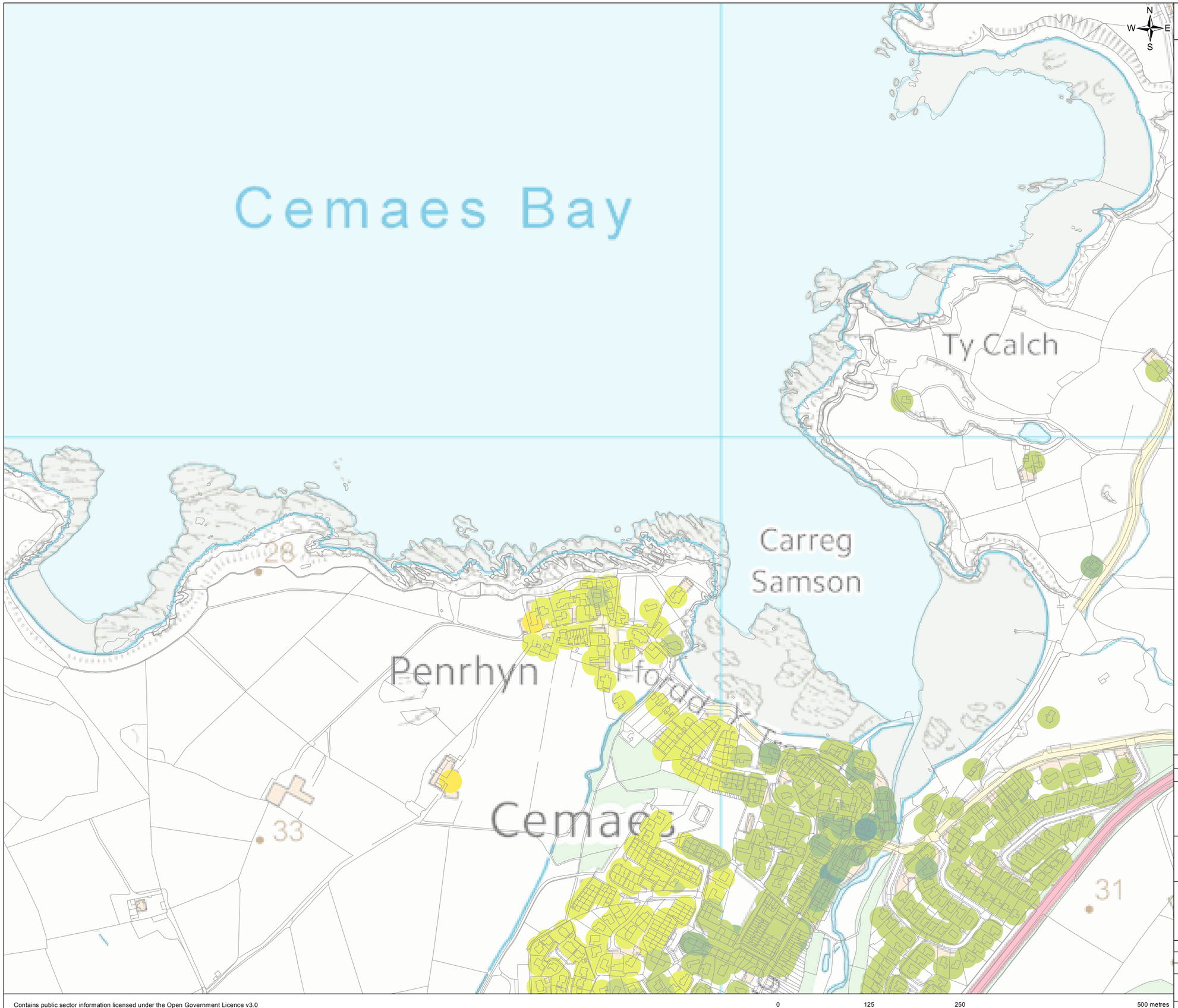
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

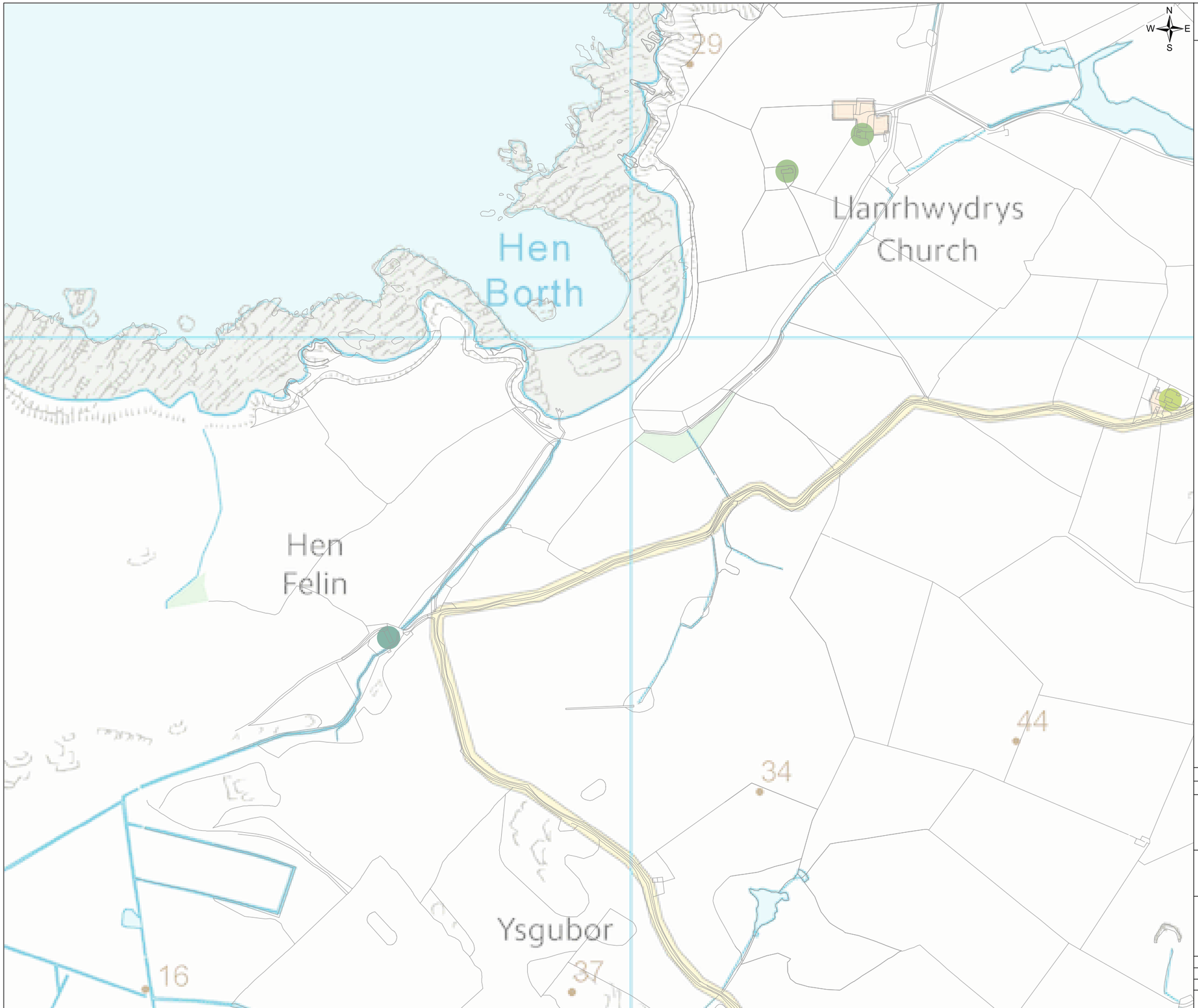
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

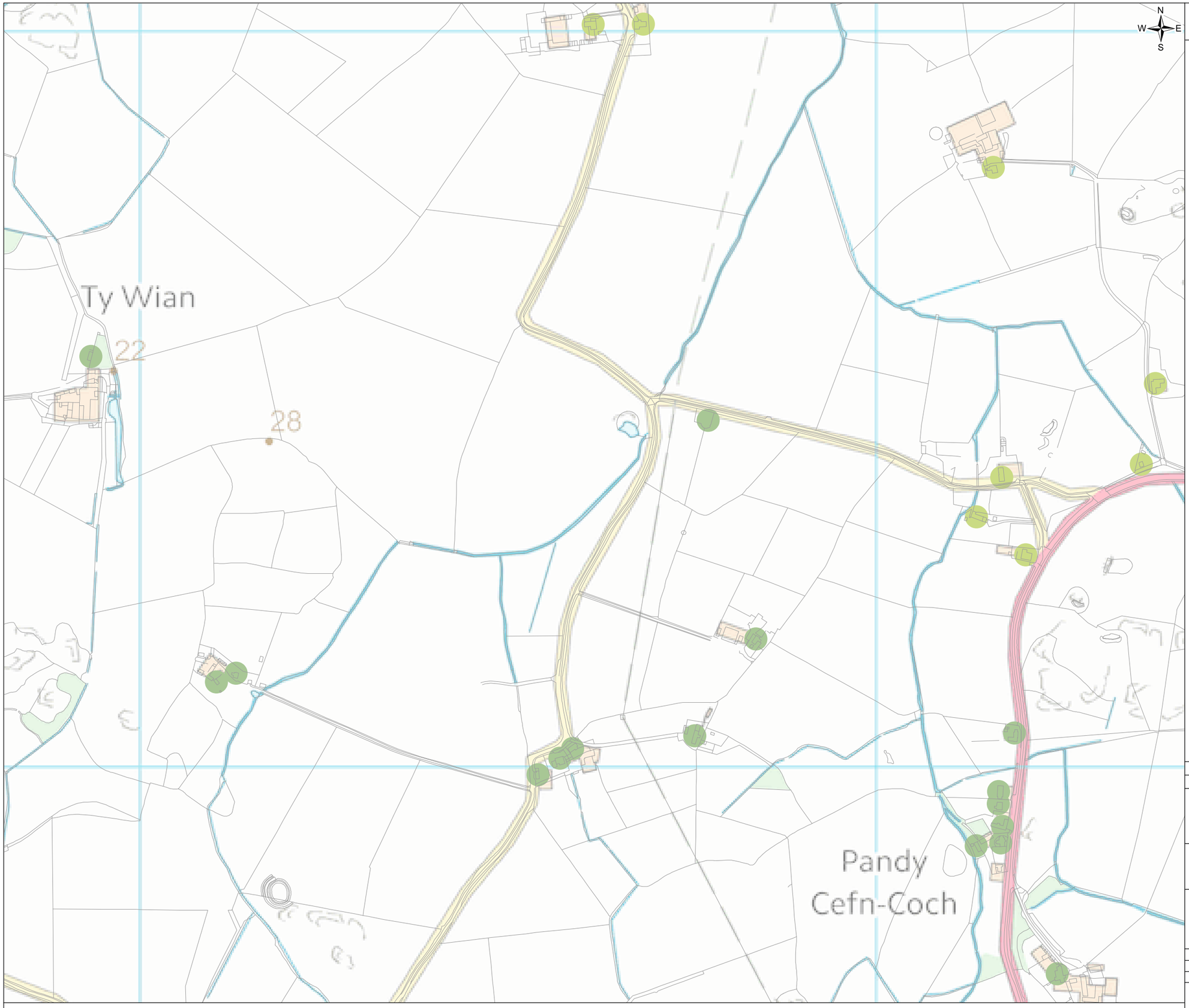


FIGURE 7

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

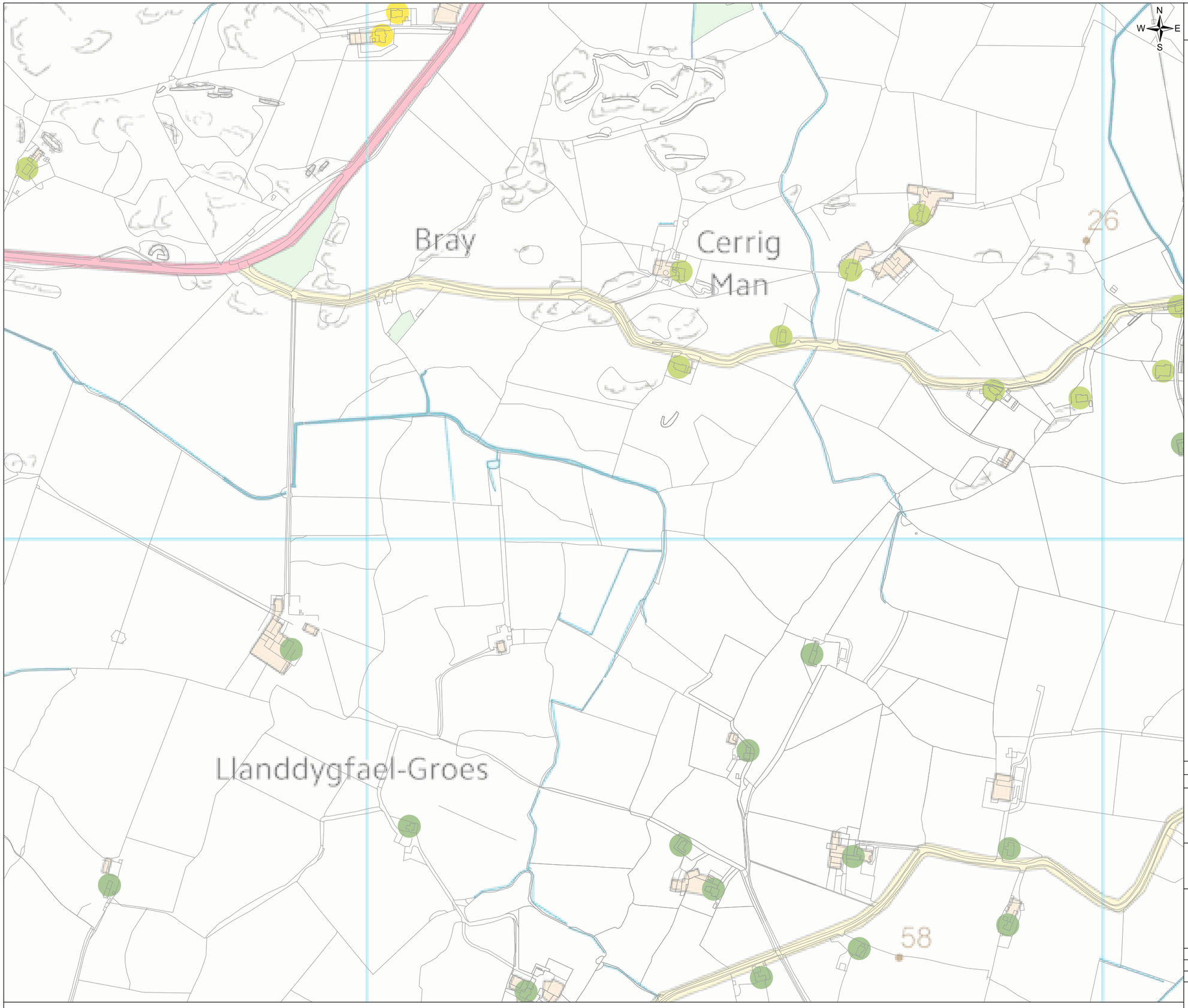
Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

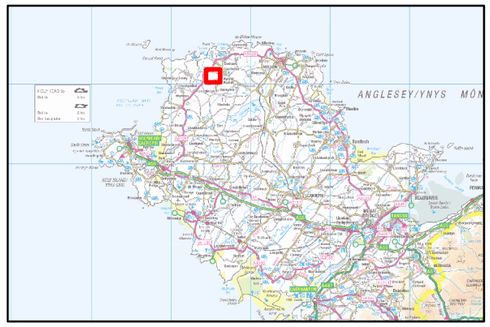
FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (DAYTIME)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

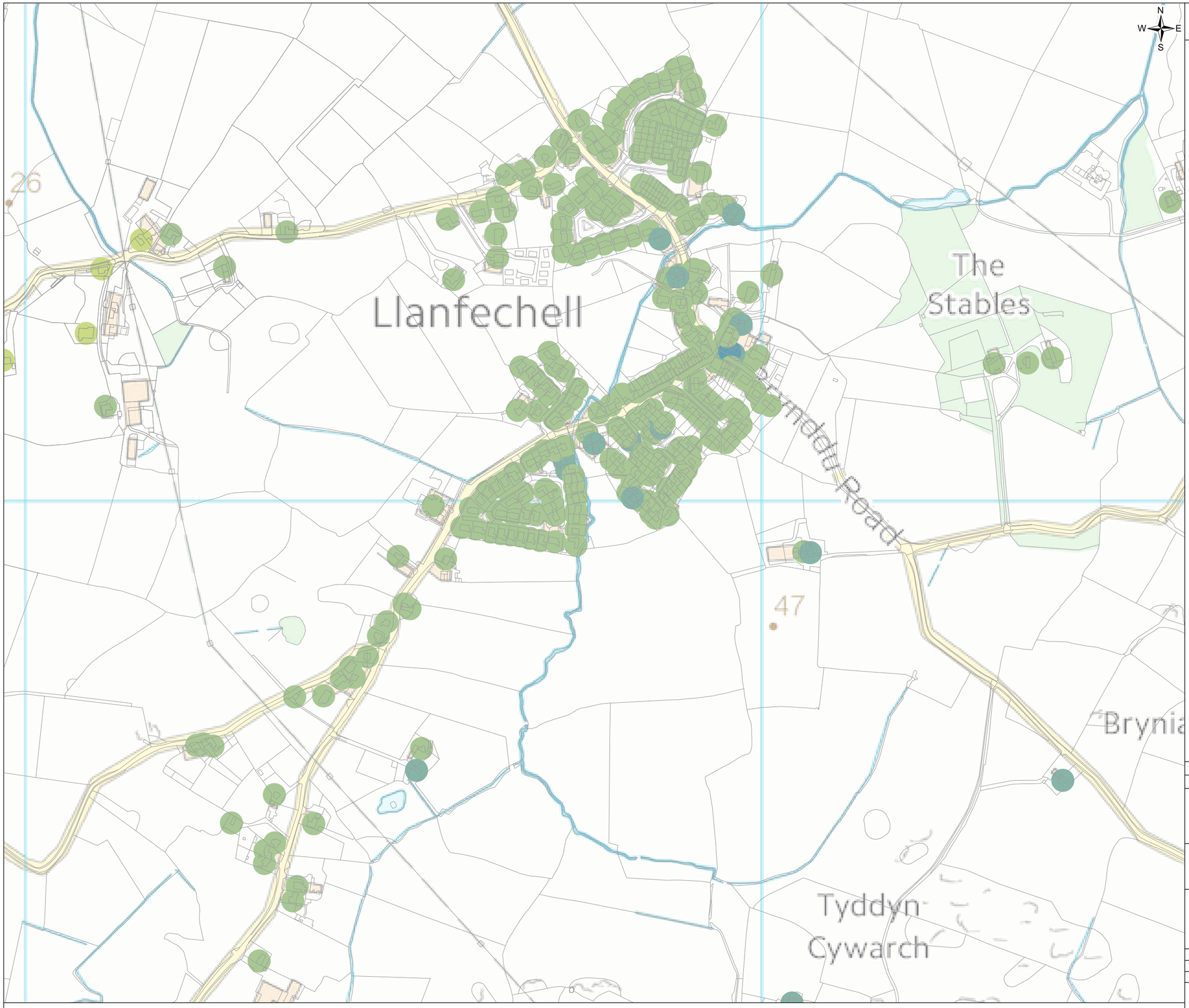
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

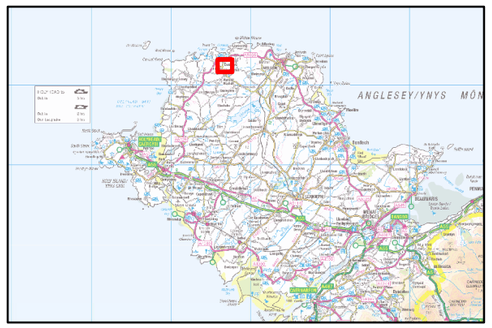
0 125 250 500 metres

FIGURE 7

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

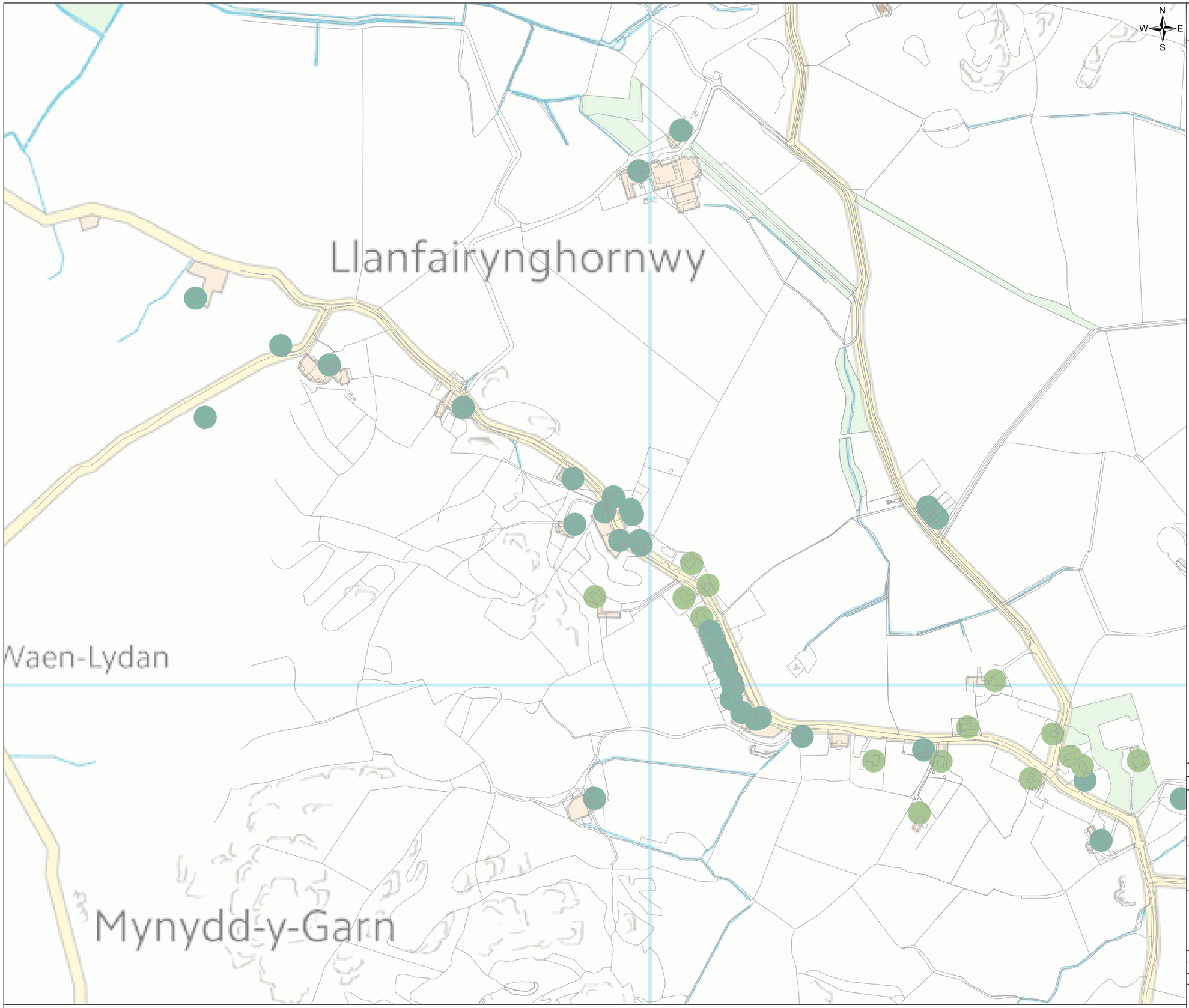
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

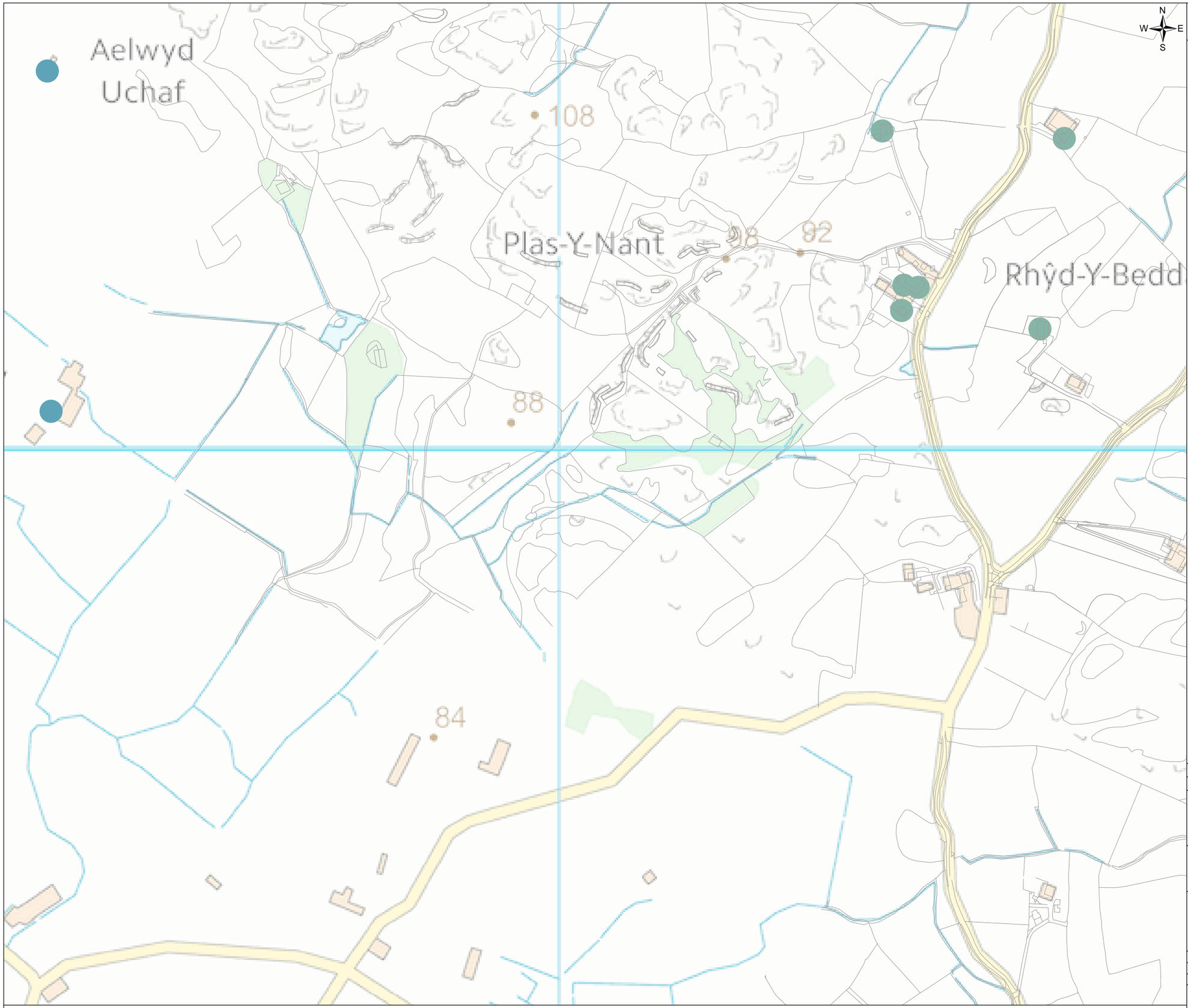
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

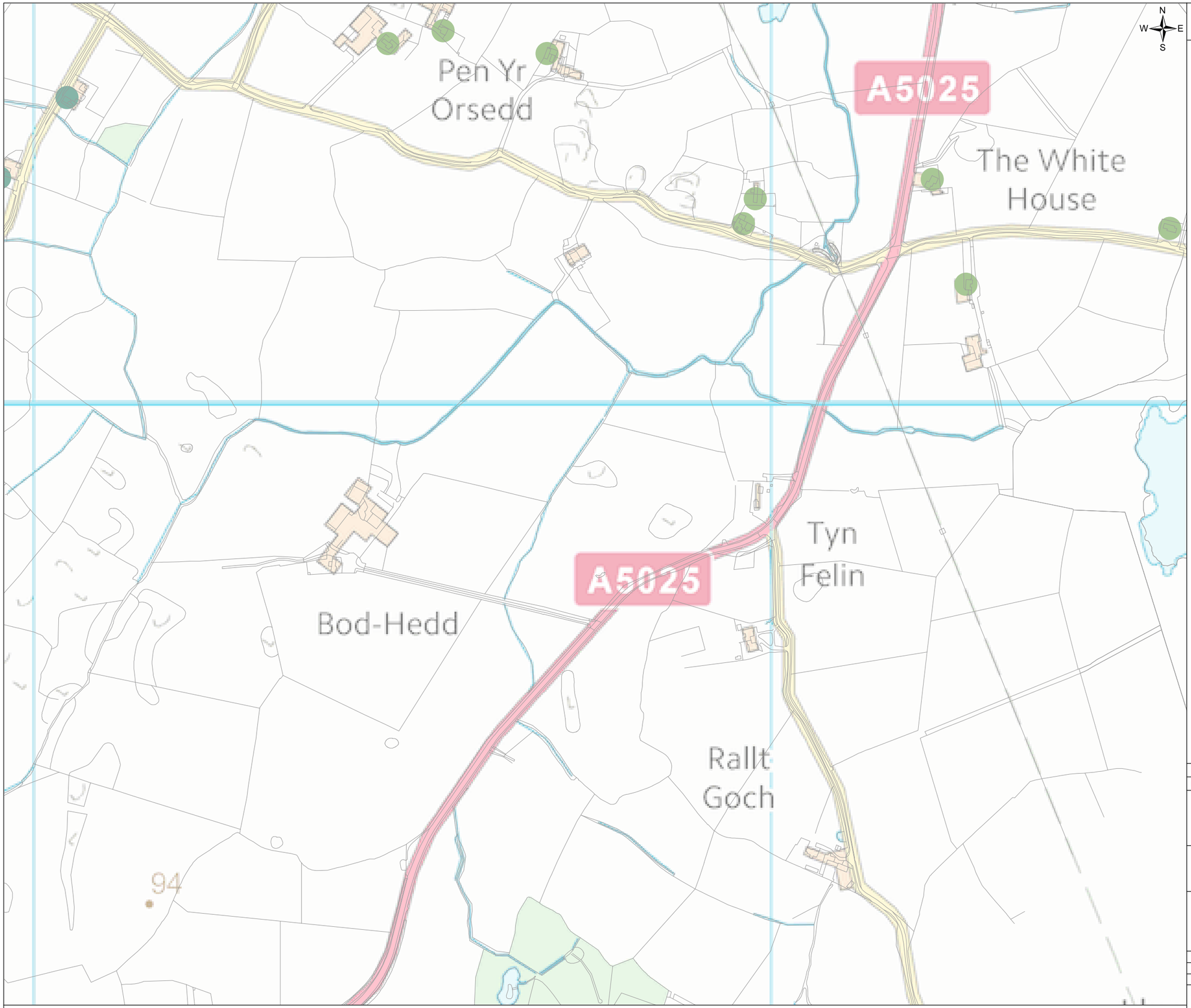
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

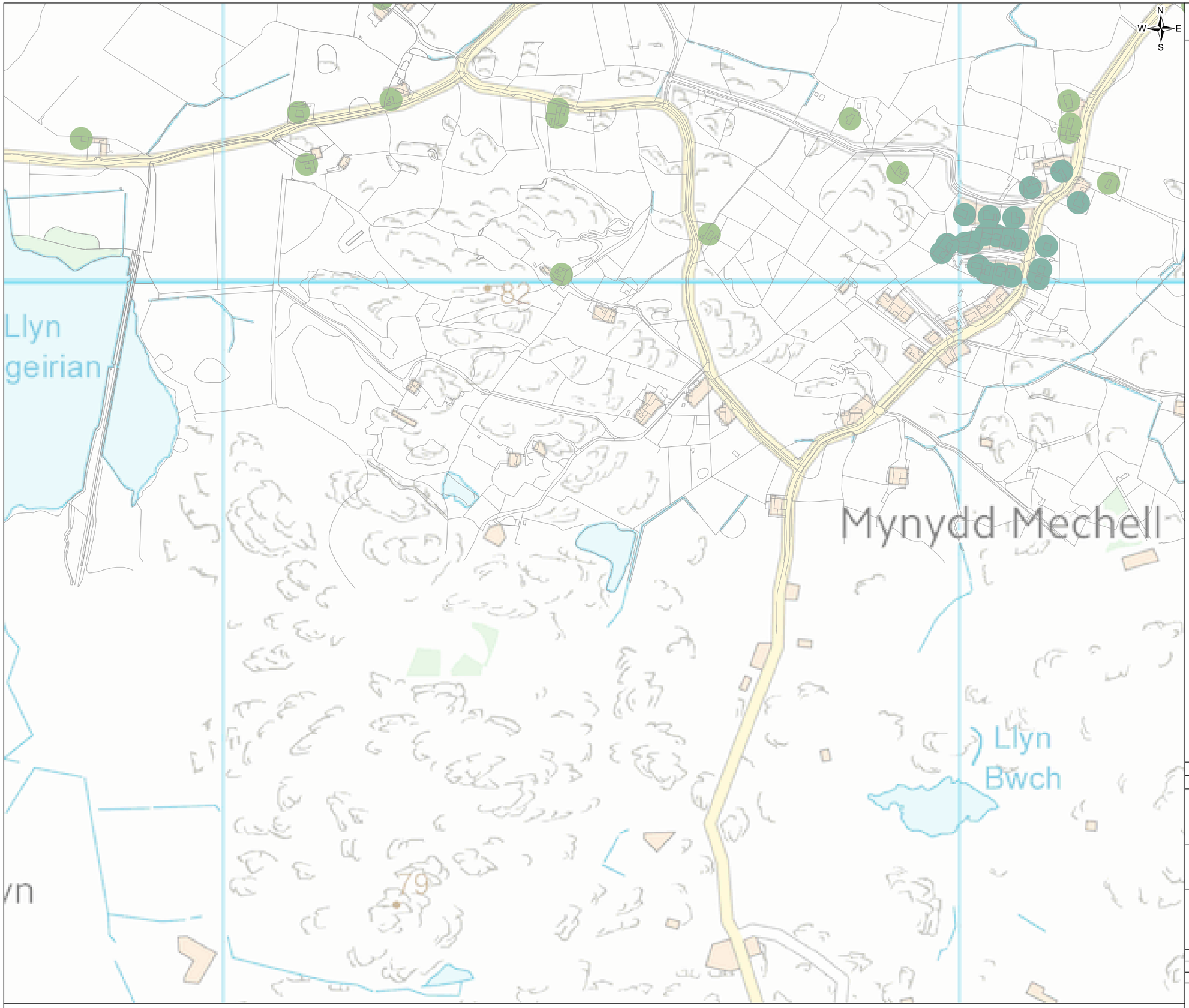
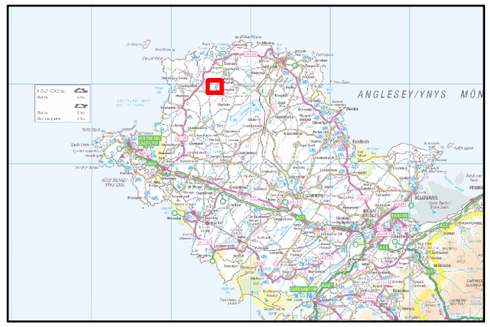


FIGURE 7

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

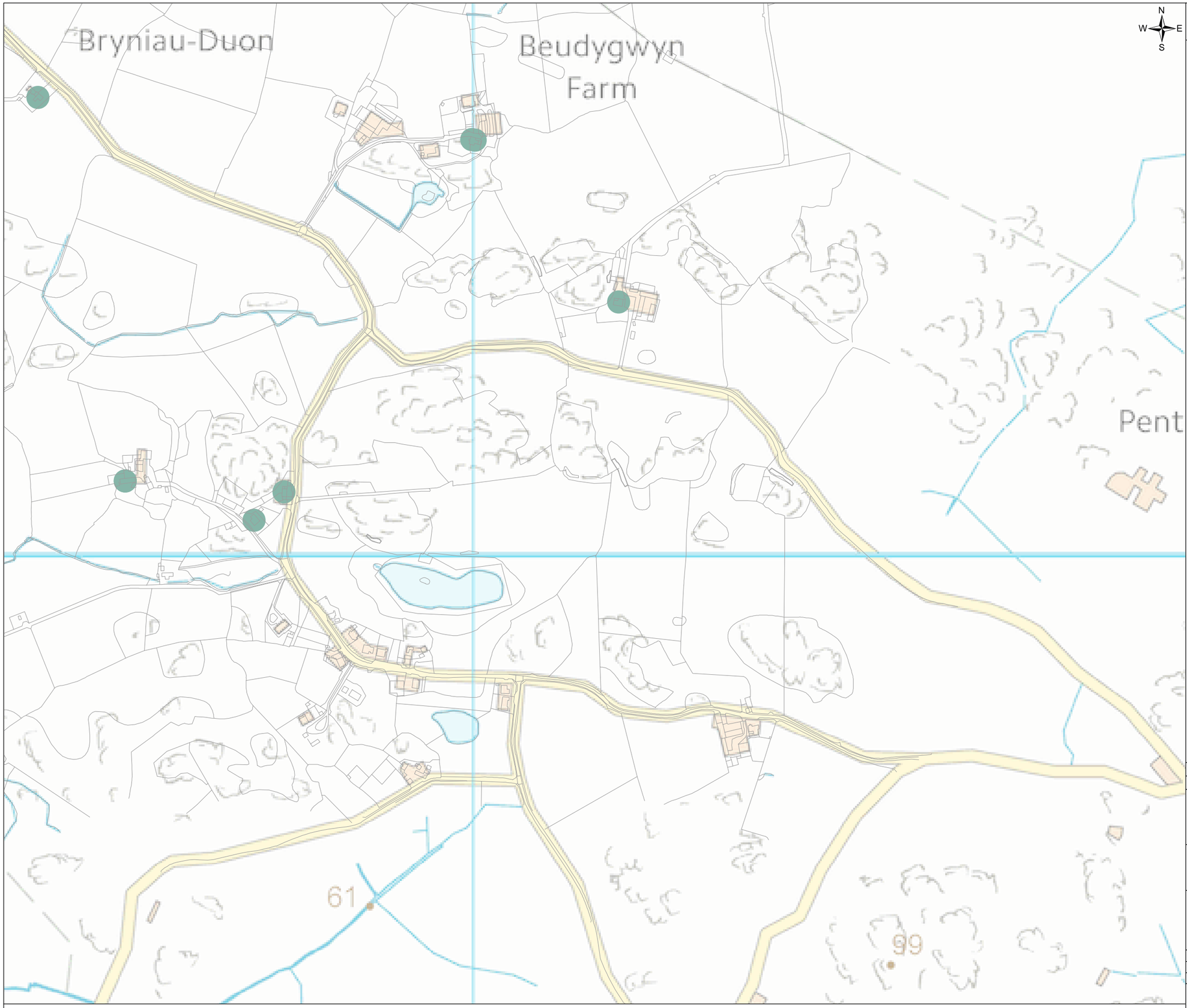


FIGURE 7

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

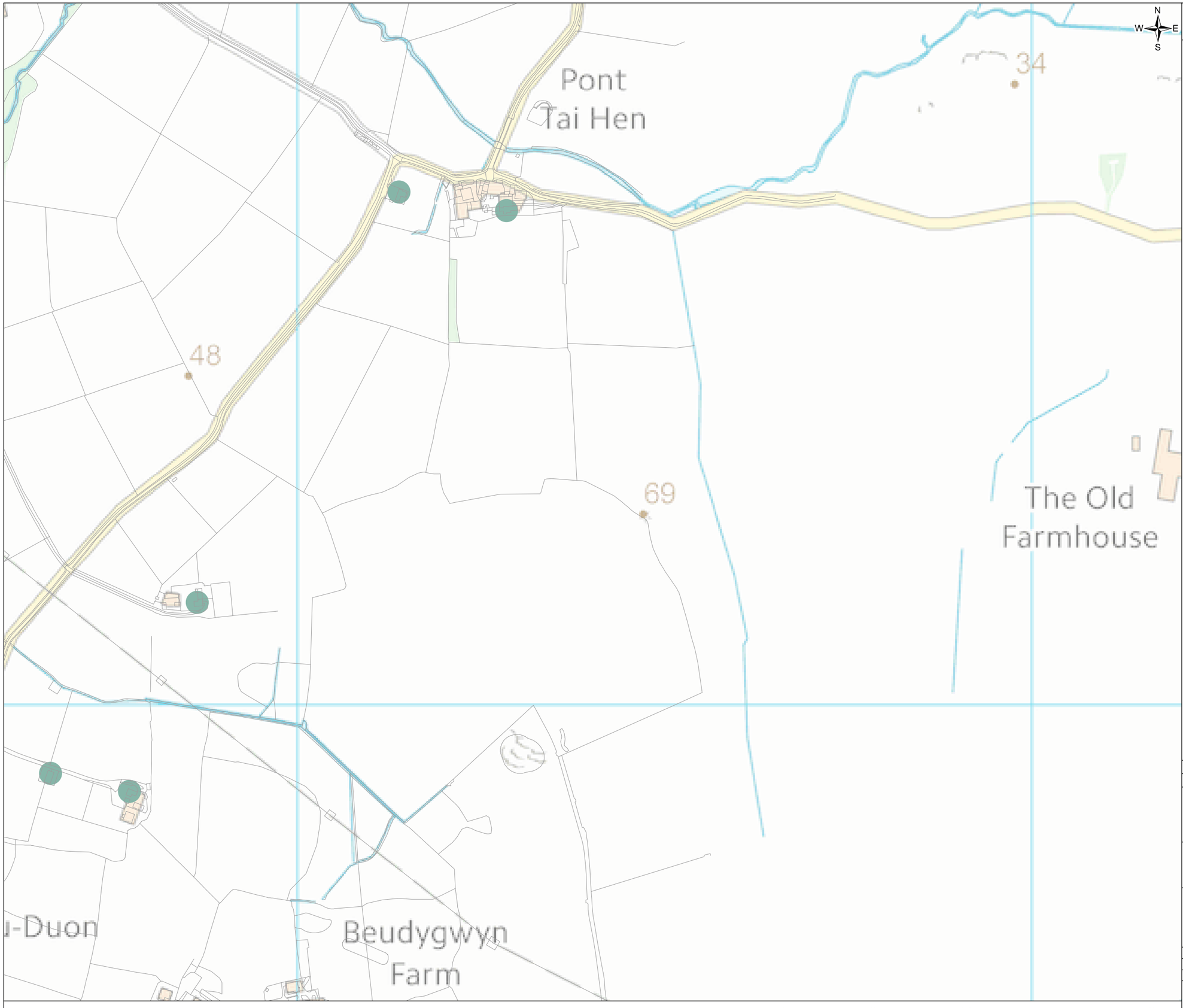
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

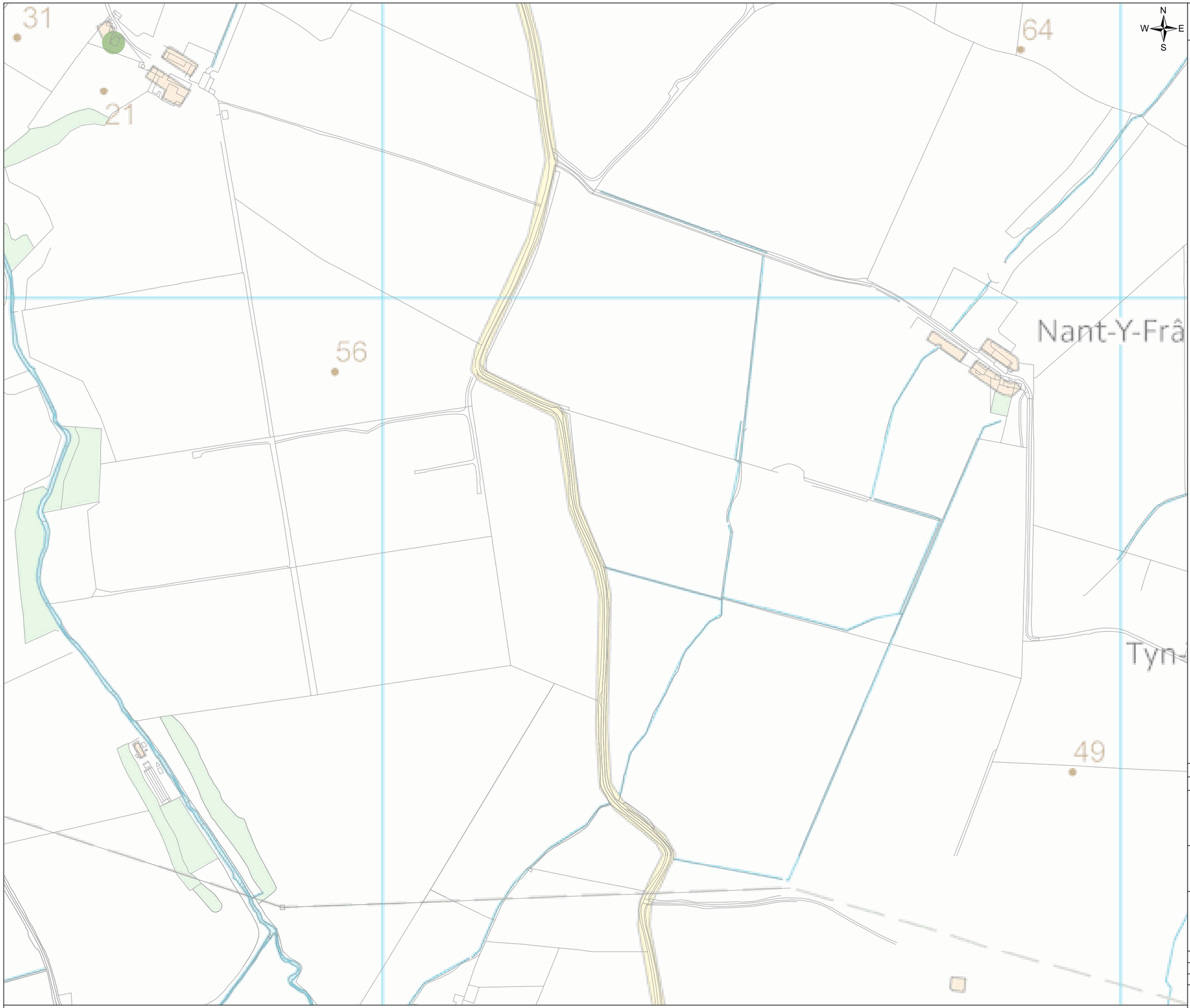
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 7



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

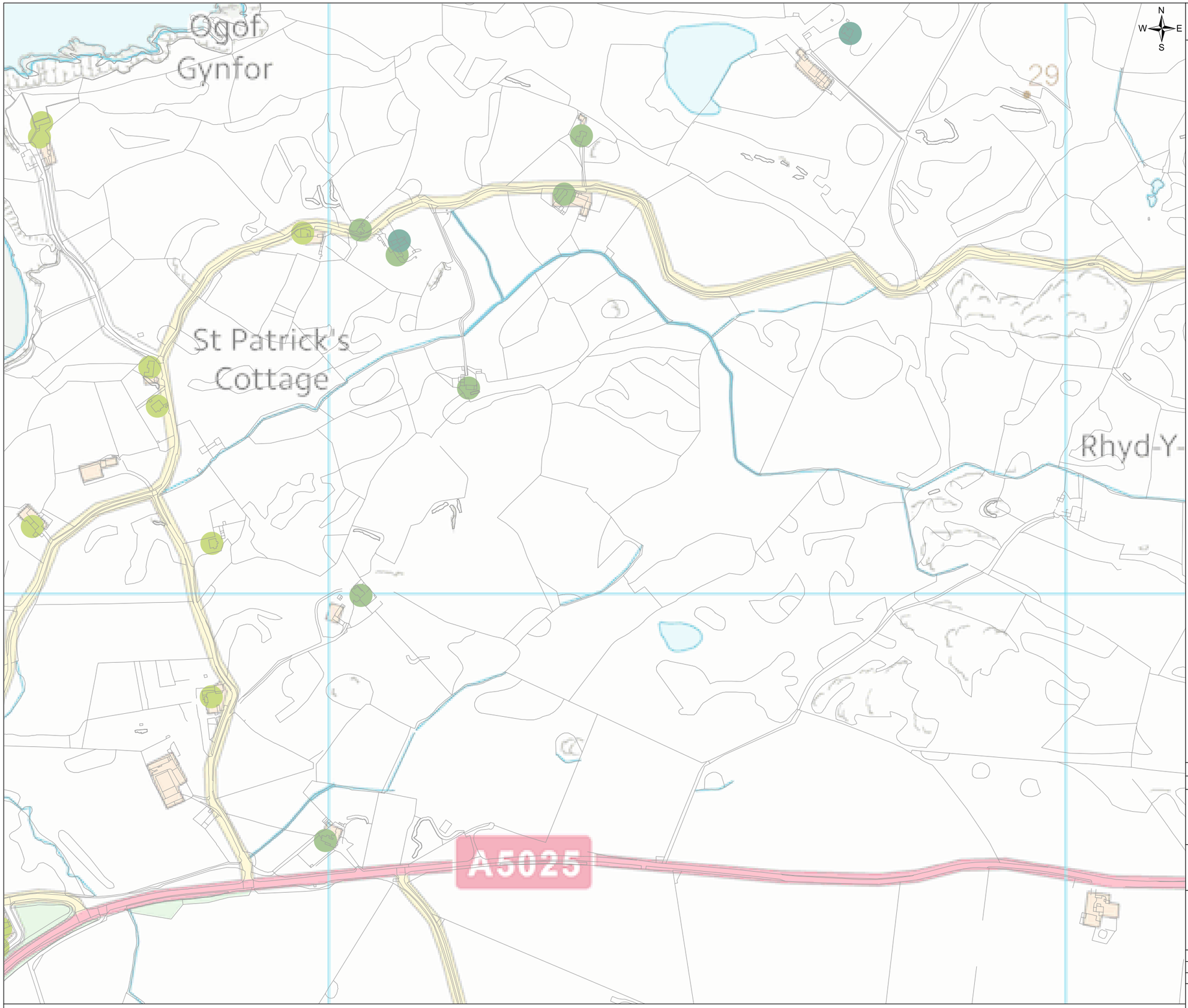


FIGURE 7

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (DAYTIME)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

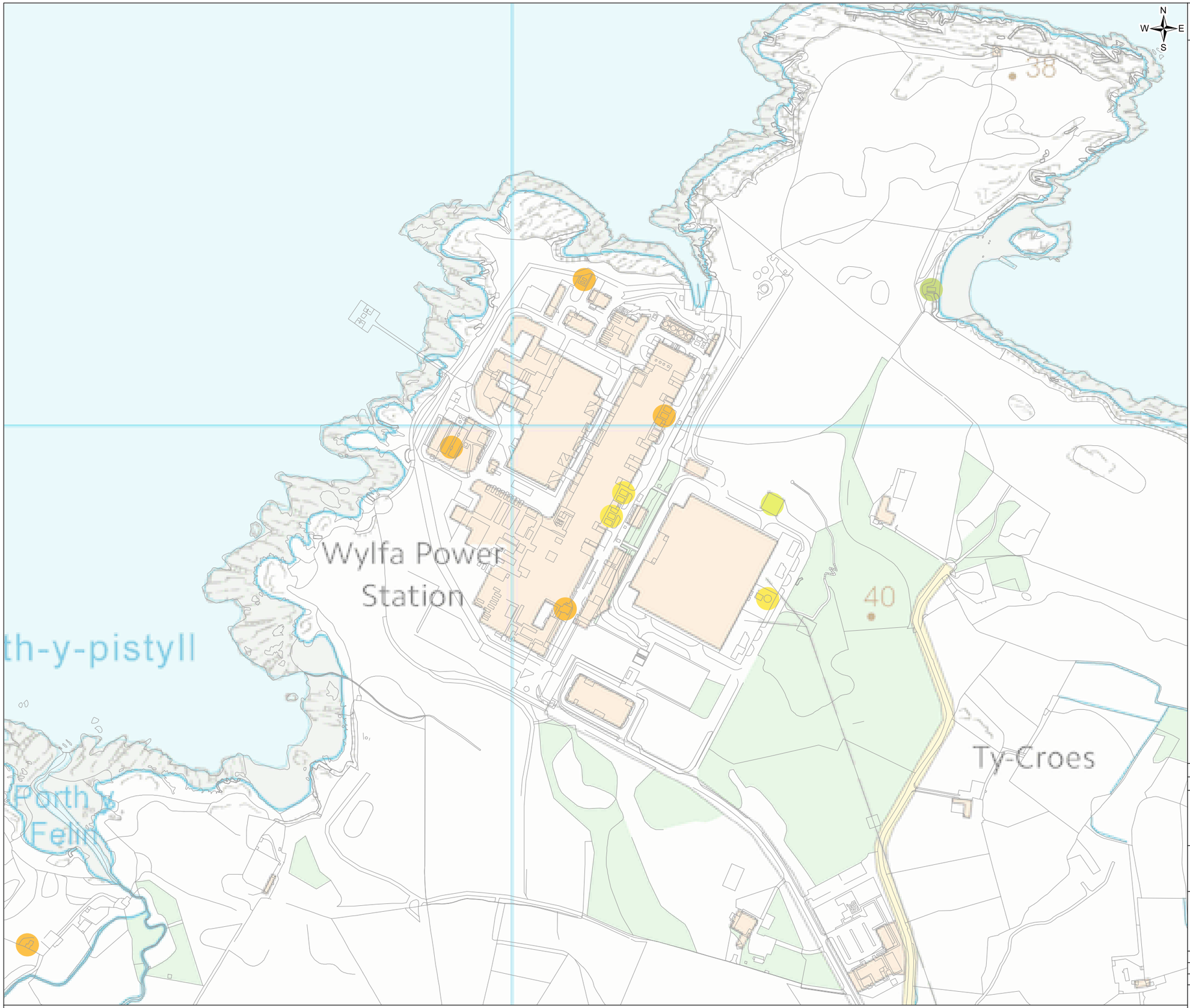
60PO80AS_NOISE_RfNMC_MONTHS19TO21_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (EVENING)
SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

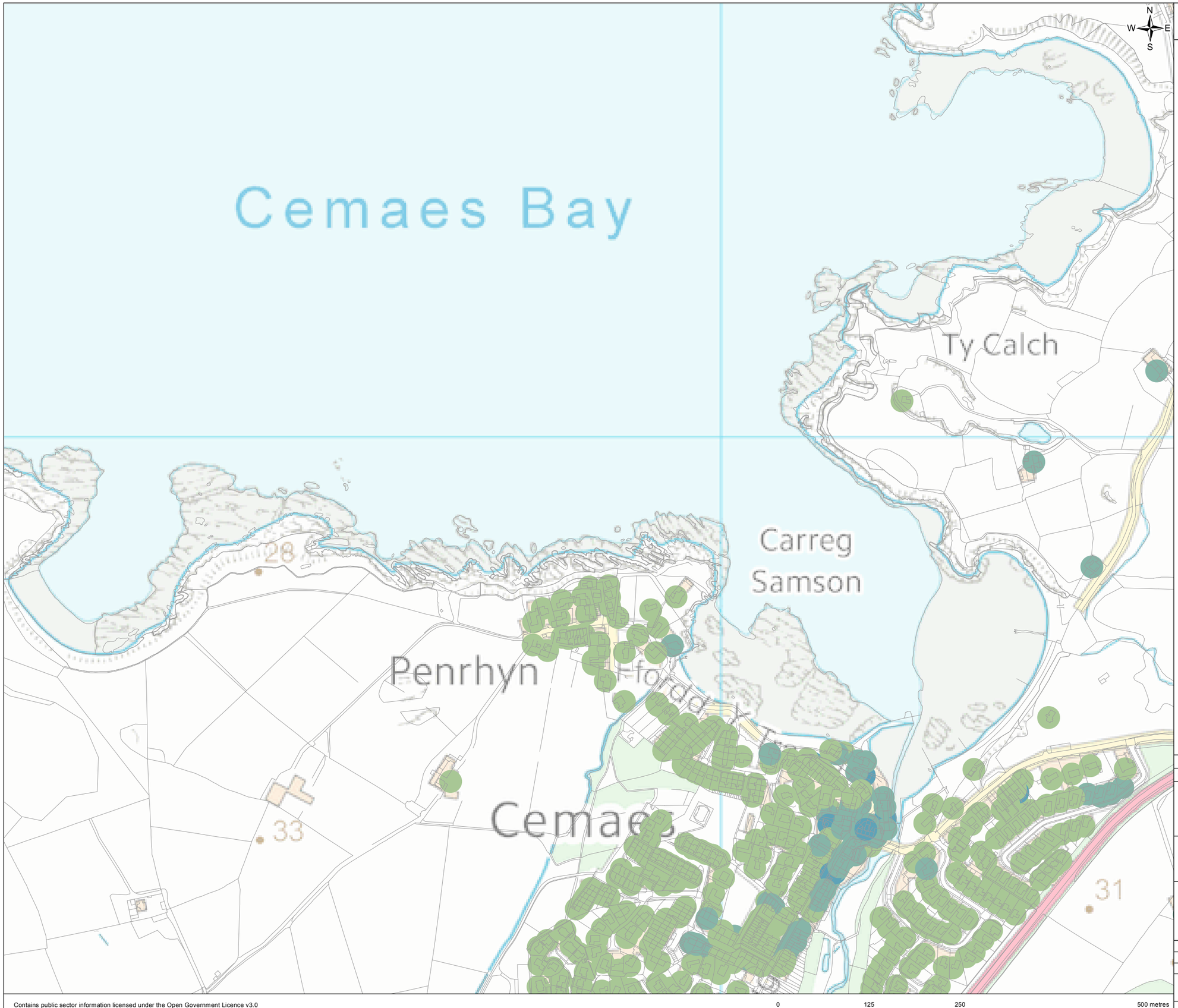
60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (EVENING)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

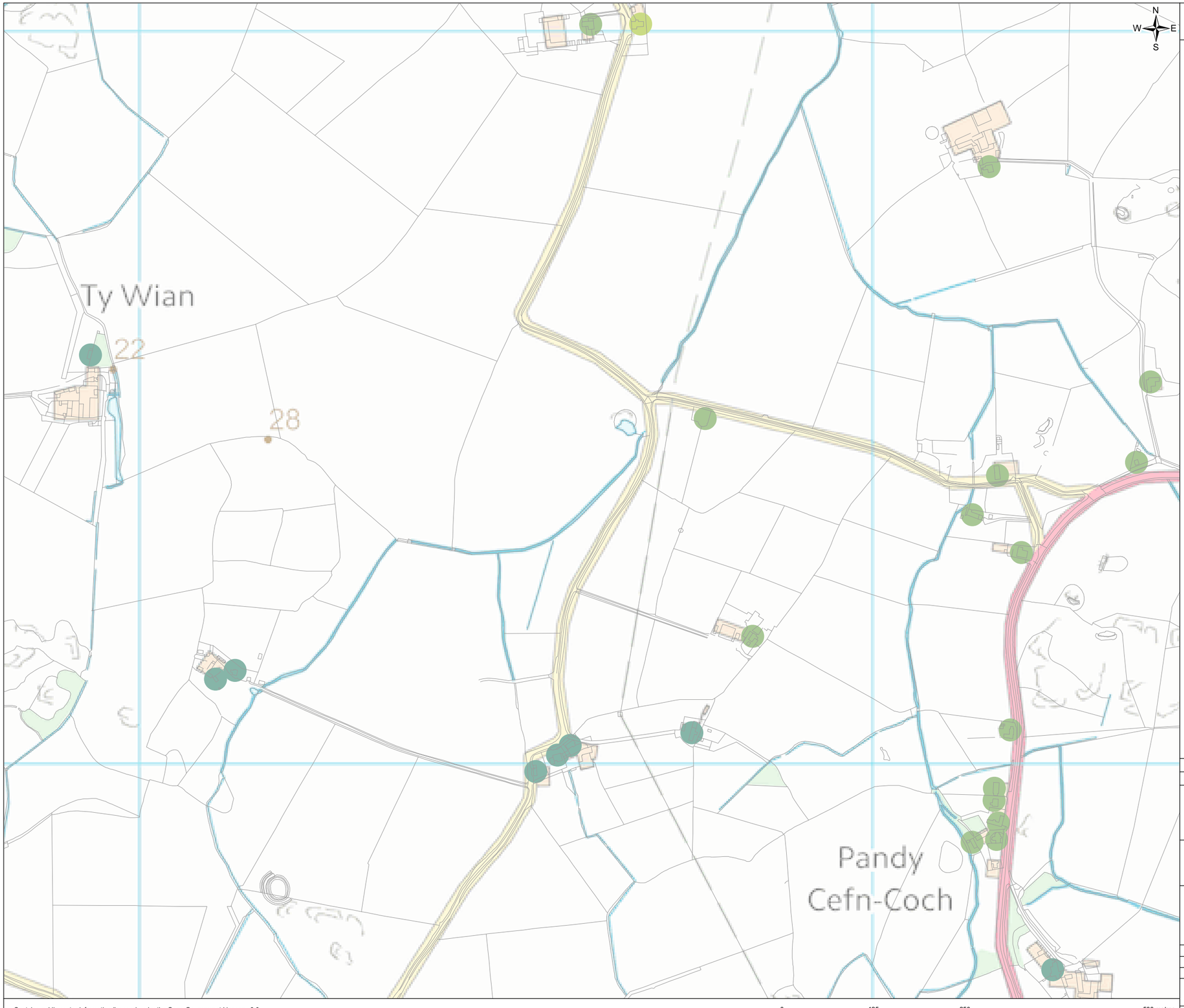
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (EVENING)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

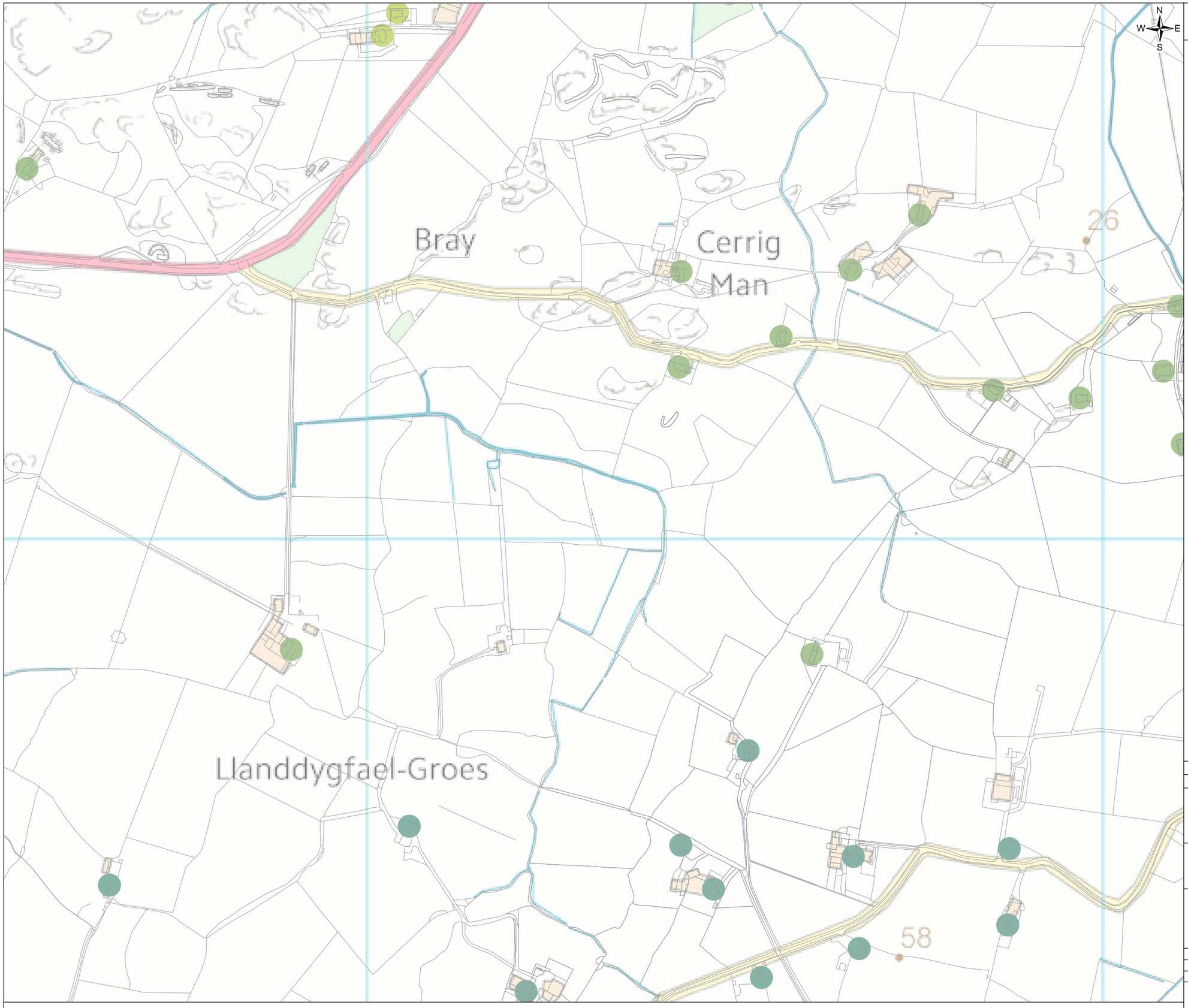
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

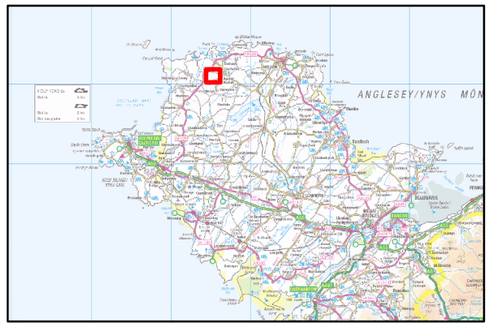
FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (EVENING)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

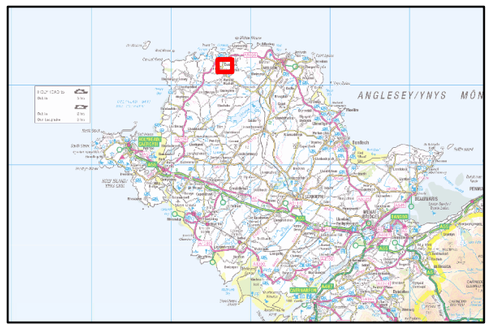
0 125 250 500 metres

FIGURE 8

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

N W E S

Llanfairynghornwy

Waen-Lydan

Mynydd-y-Garn

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (EVENING)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

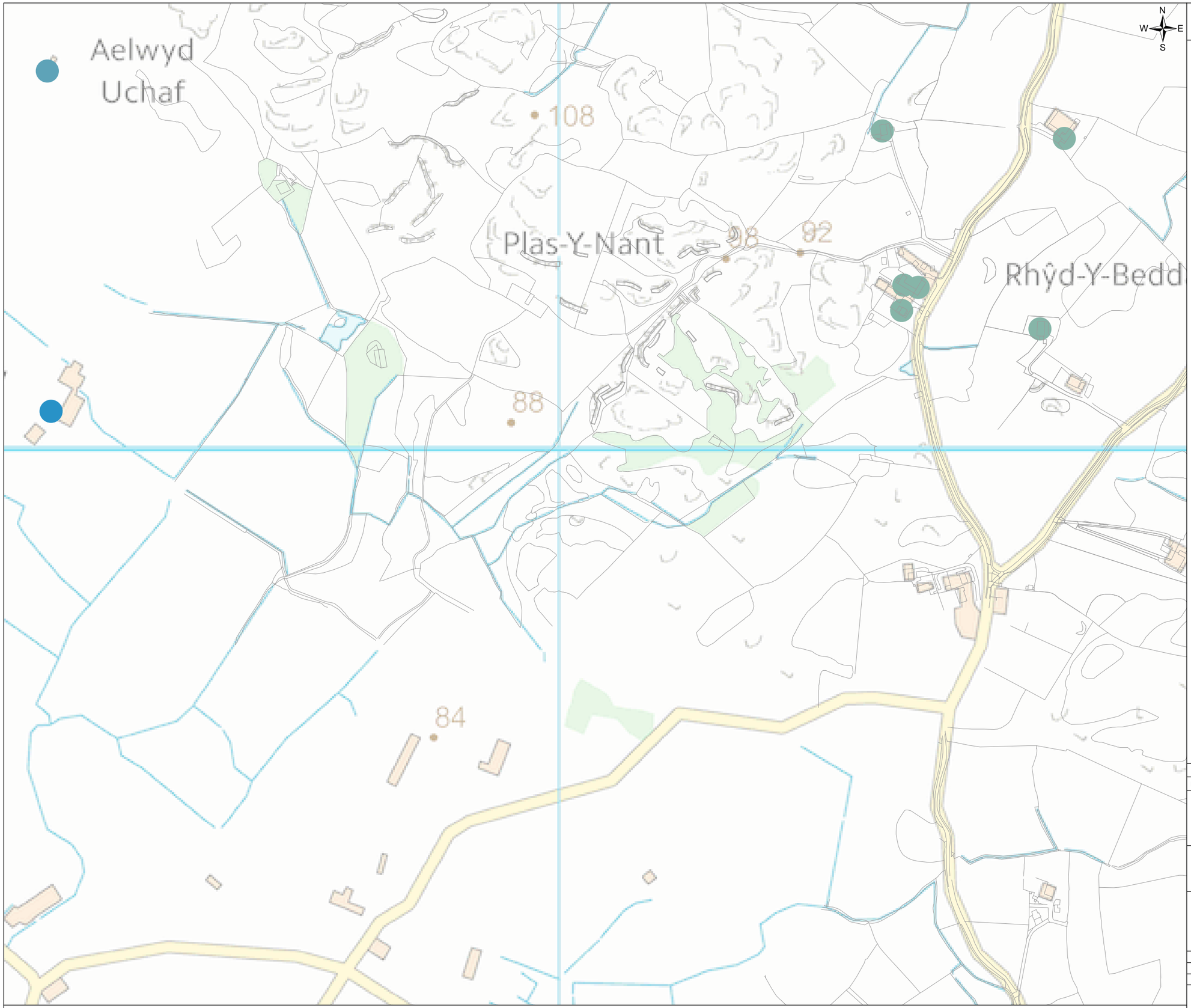
Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8

Pen Yr Orsedd

A5025

The White House

A5025

Tyn Felin

Bod-Hedd

Rallt Goch

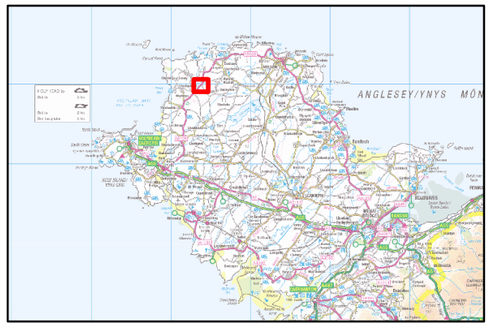
94

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

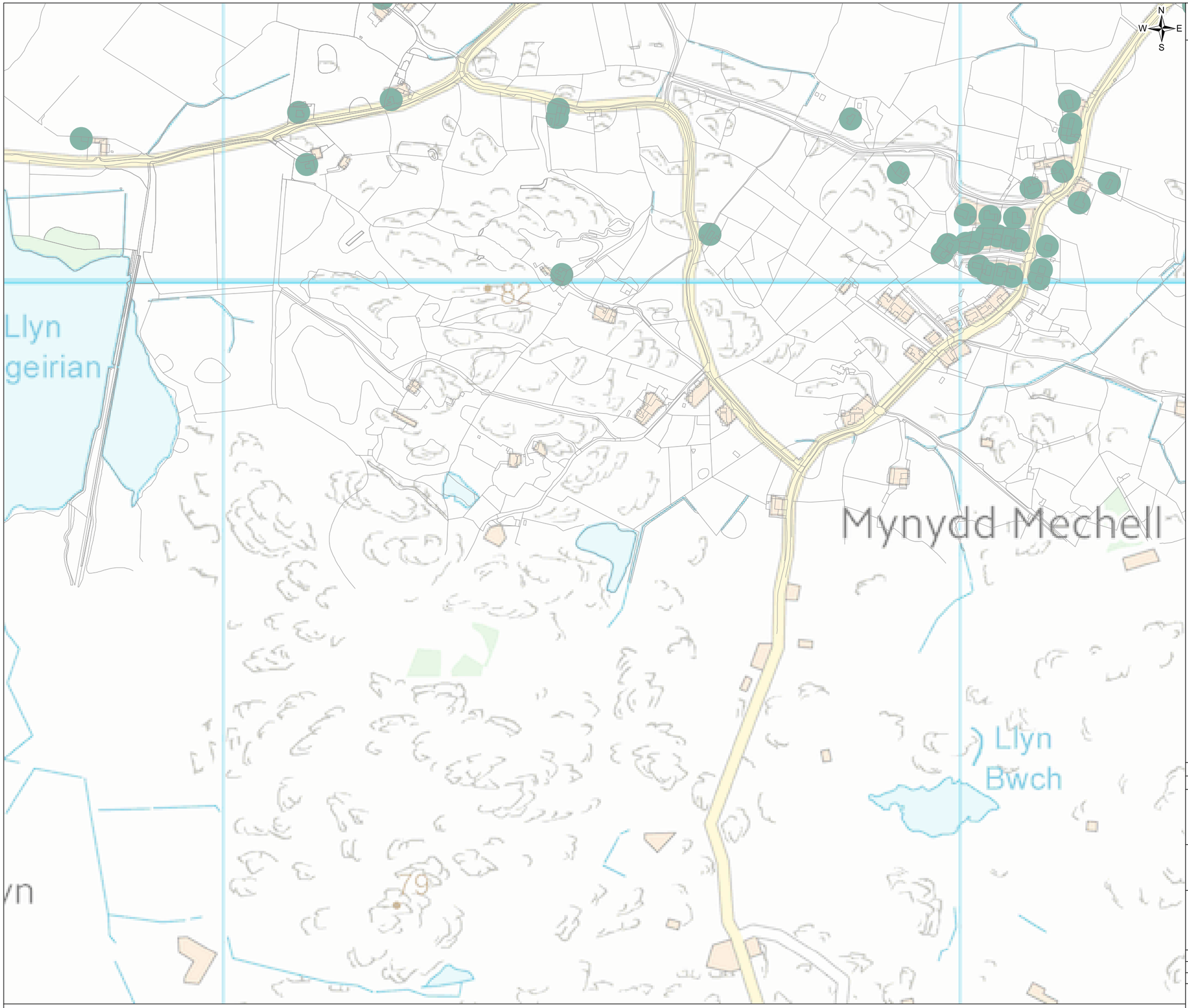
60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

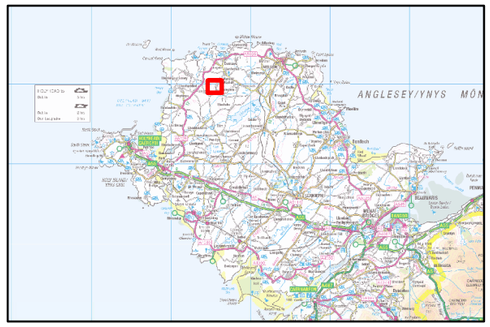
FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (EVENING)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

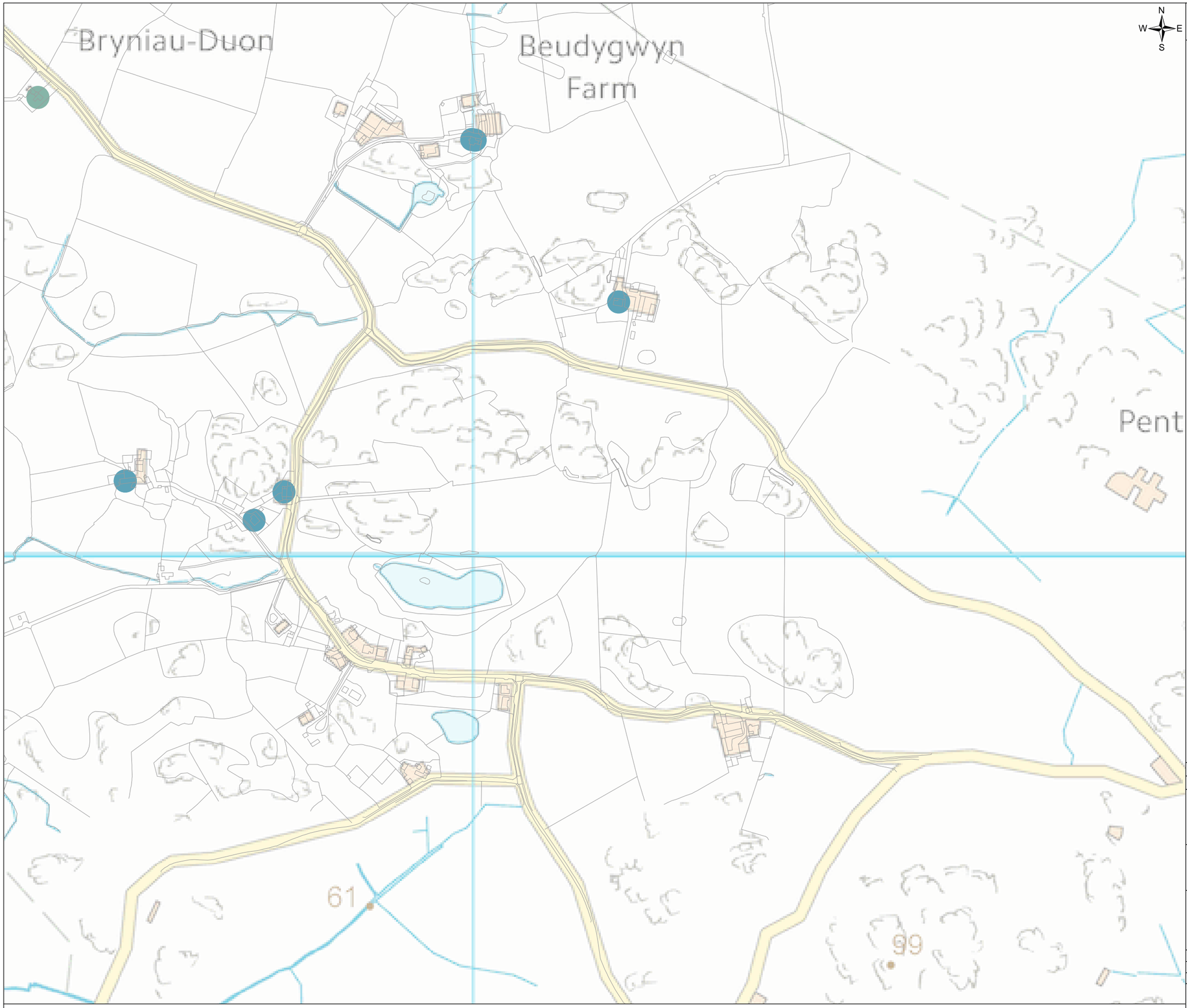


FIGURE 8

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

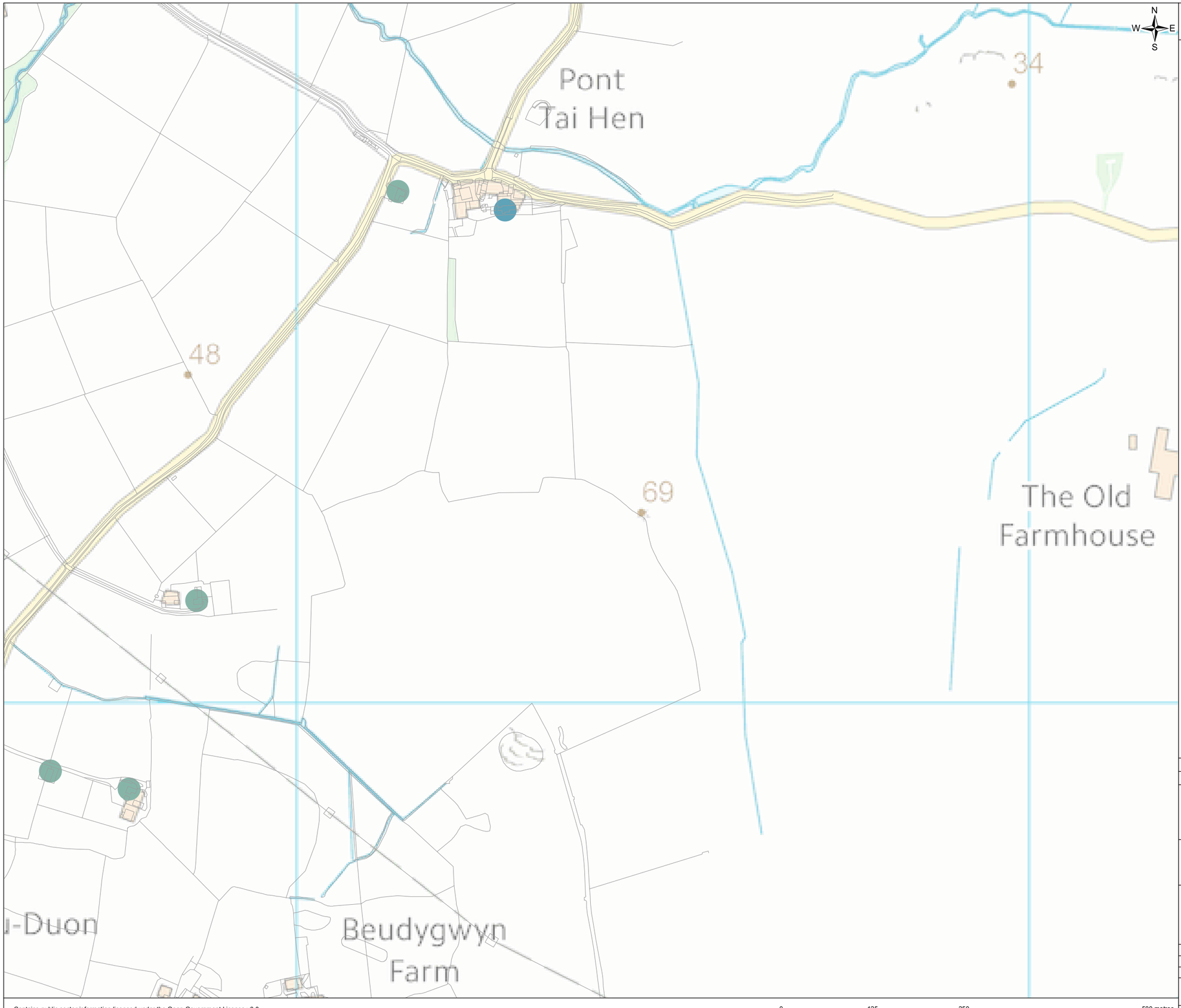
60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

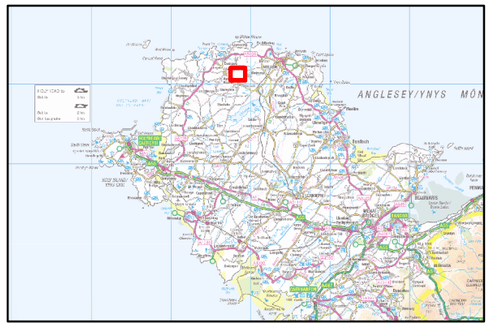
FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

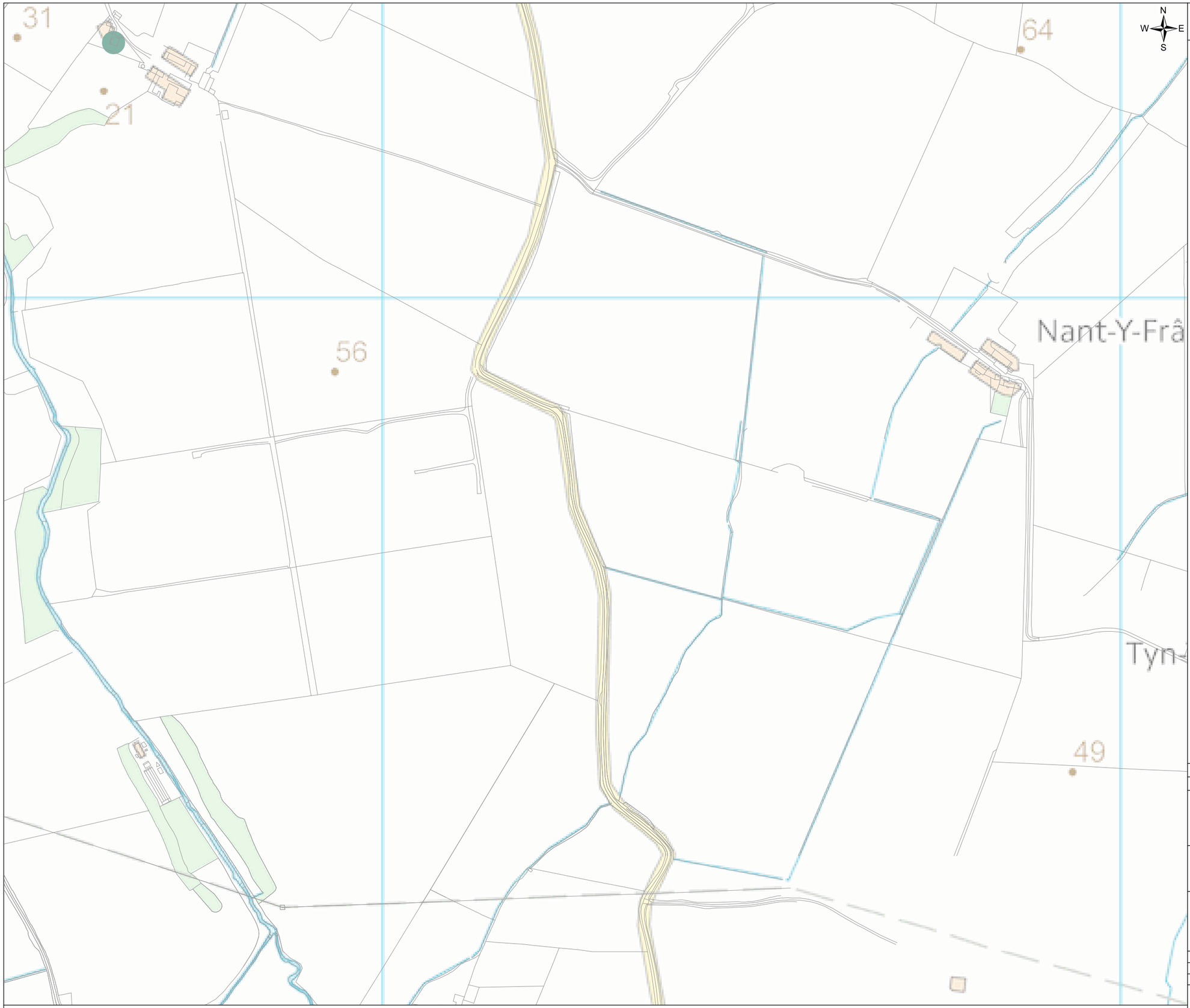
60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 8



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

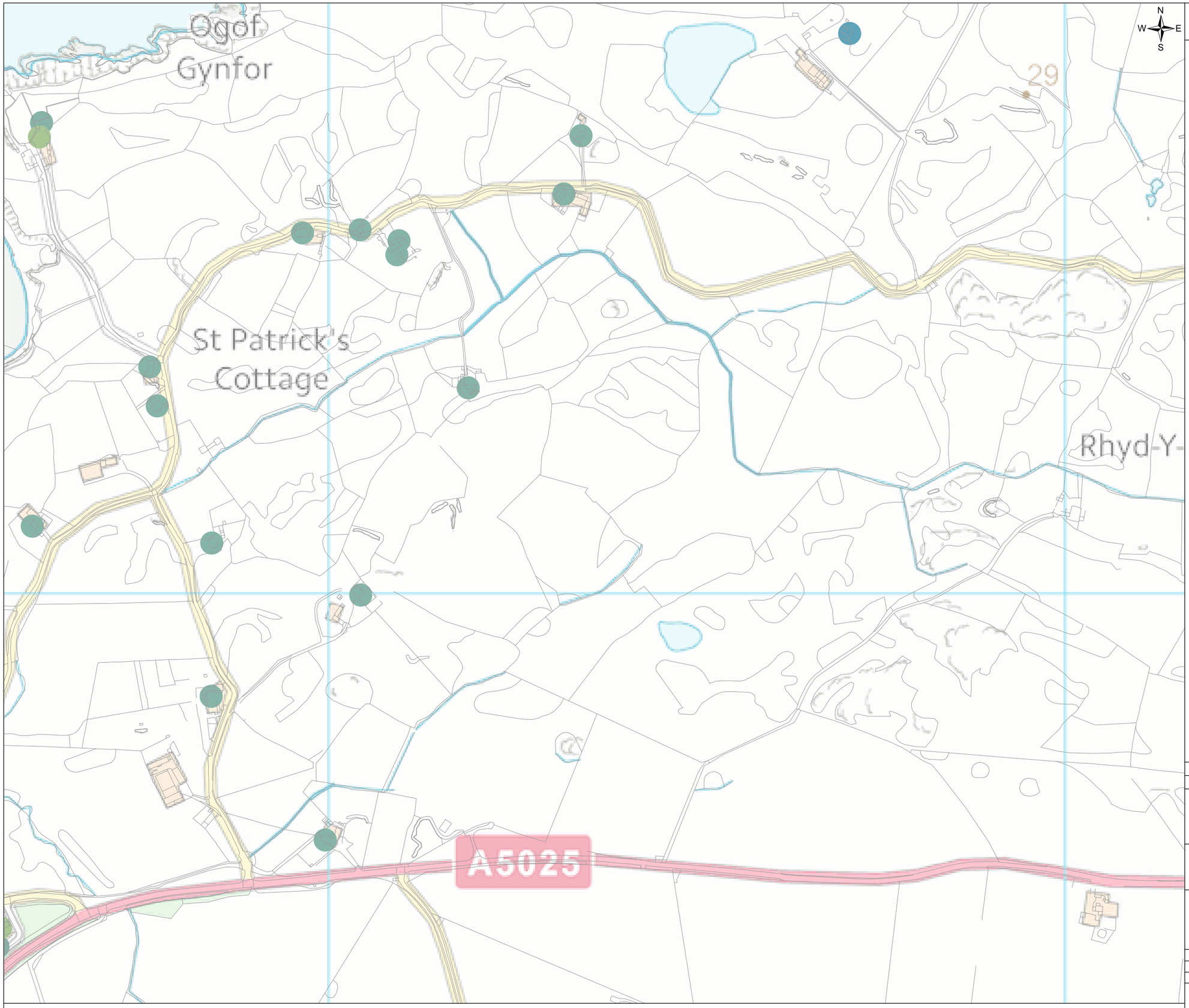


FIGURE 8

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (EVENING)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

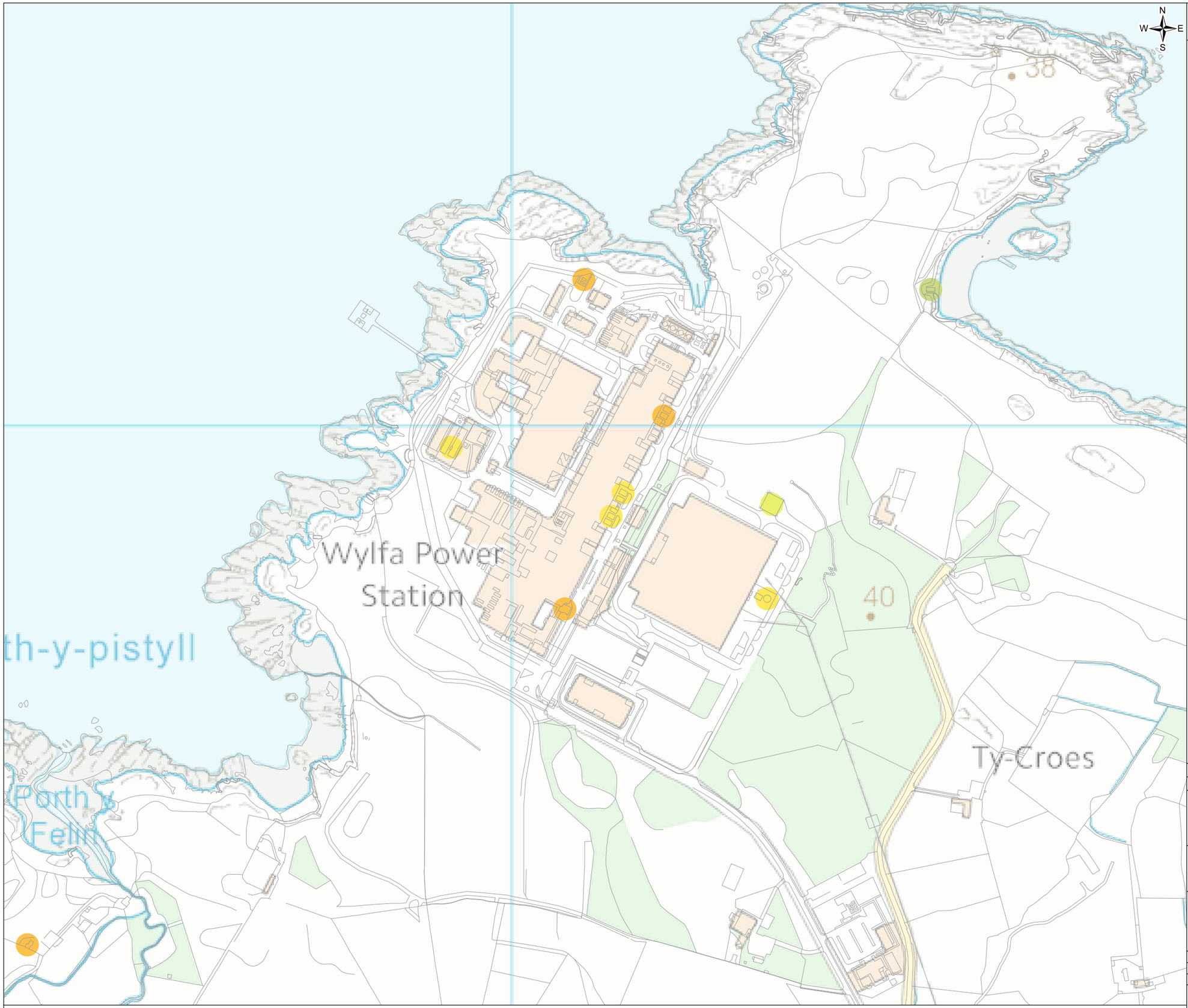
60PO80AS_NOISE_RfNMC_MONTHS19TO21_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

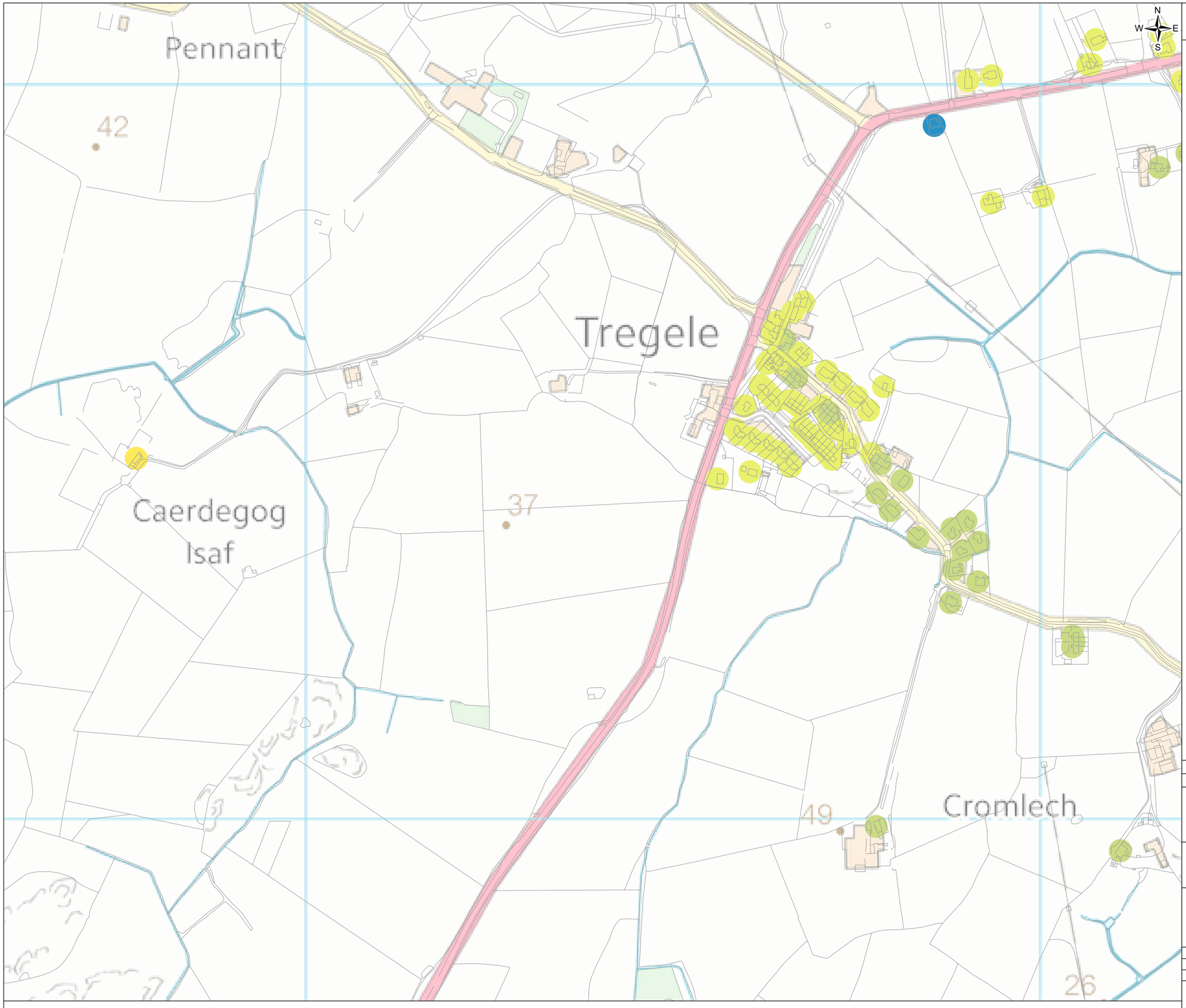
60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

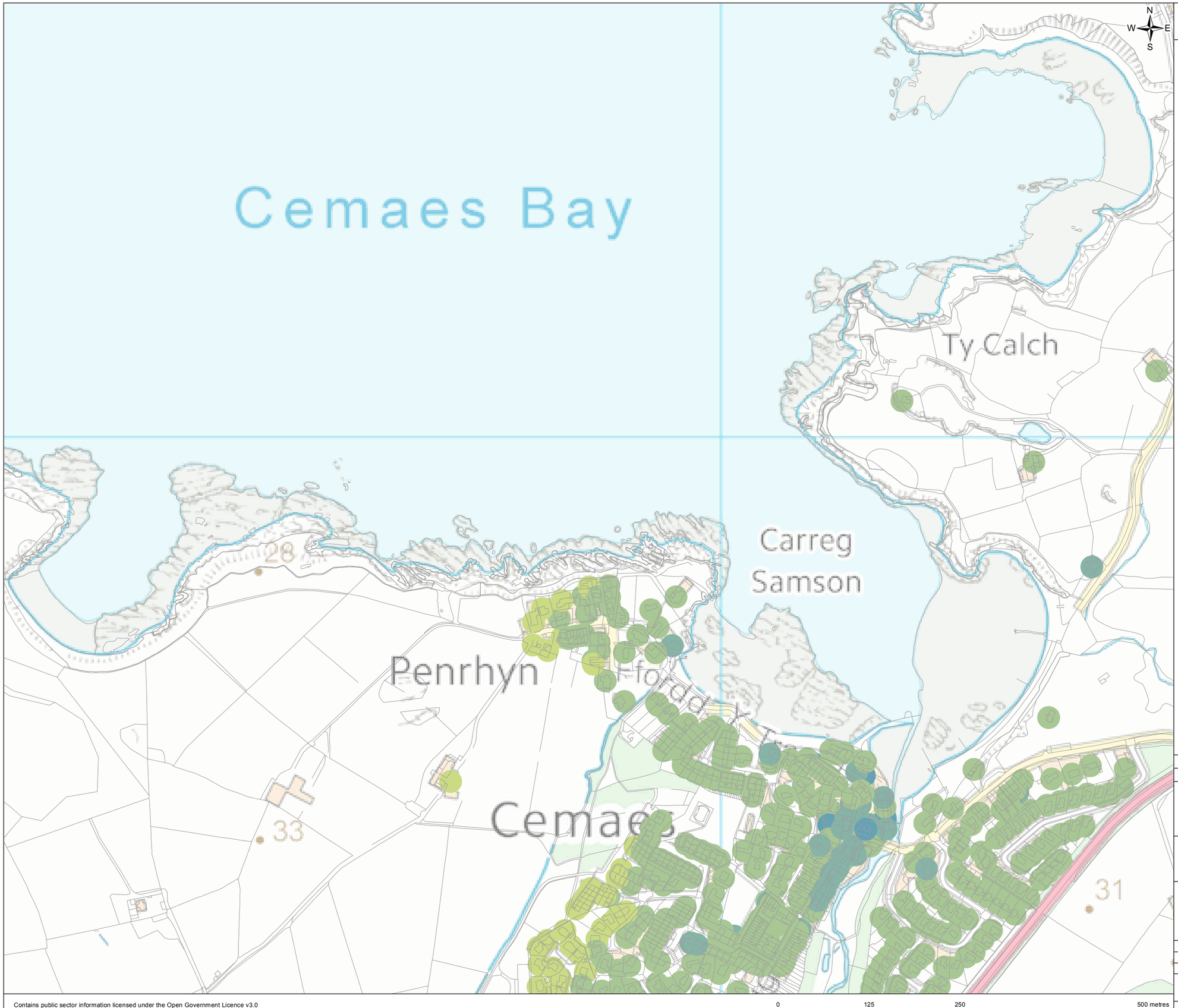
60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

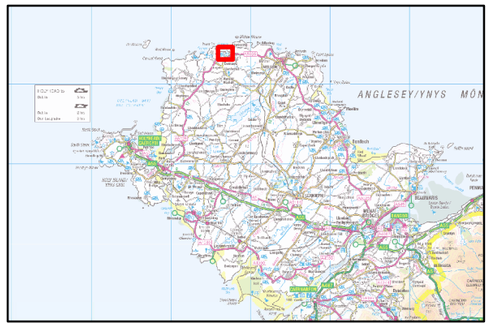
FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

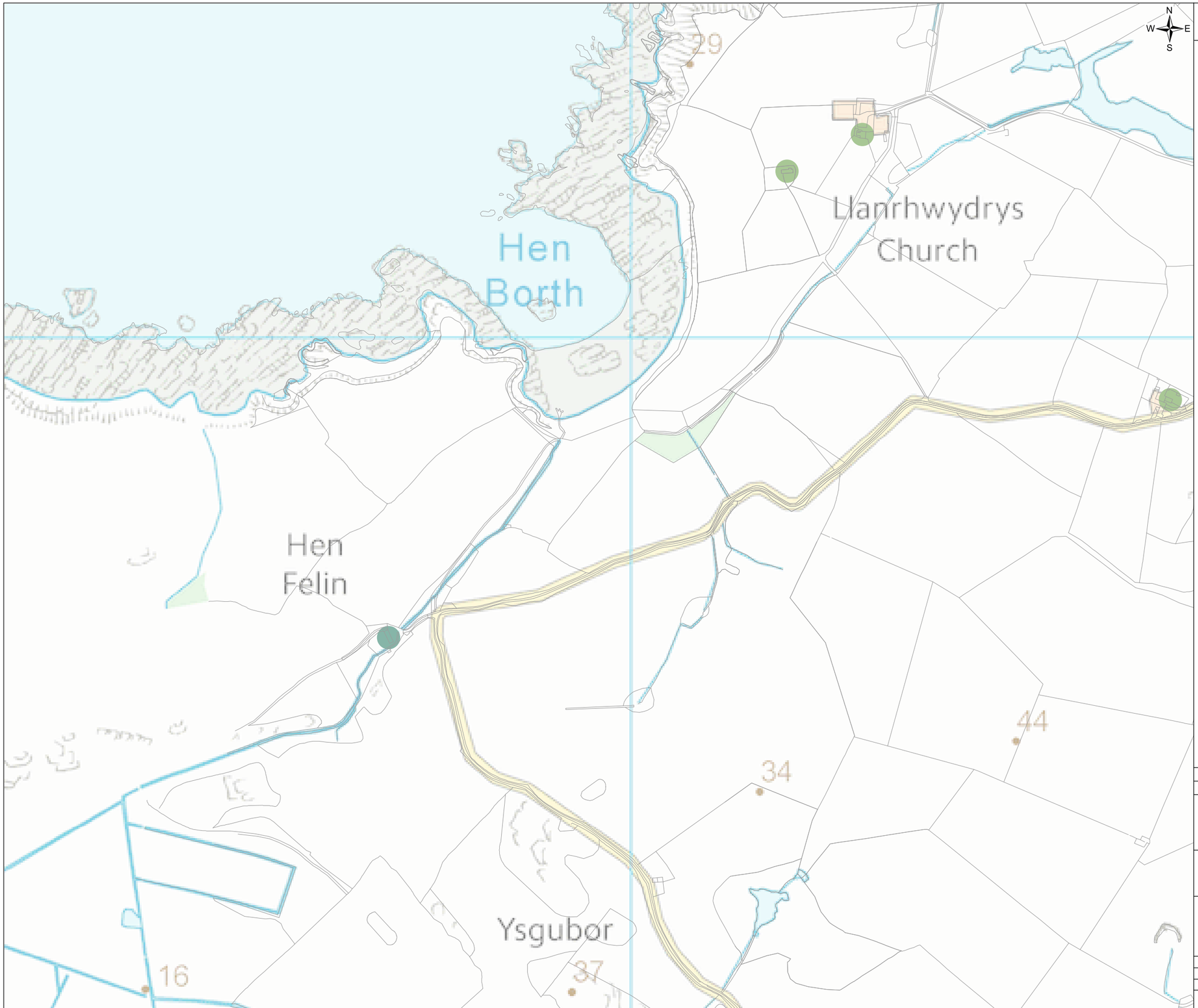
60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

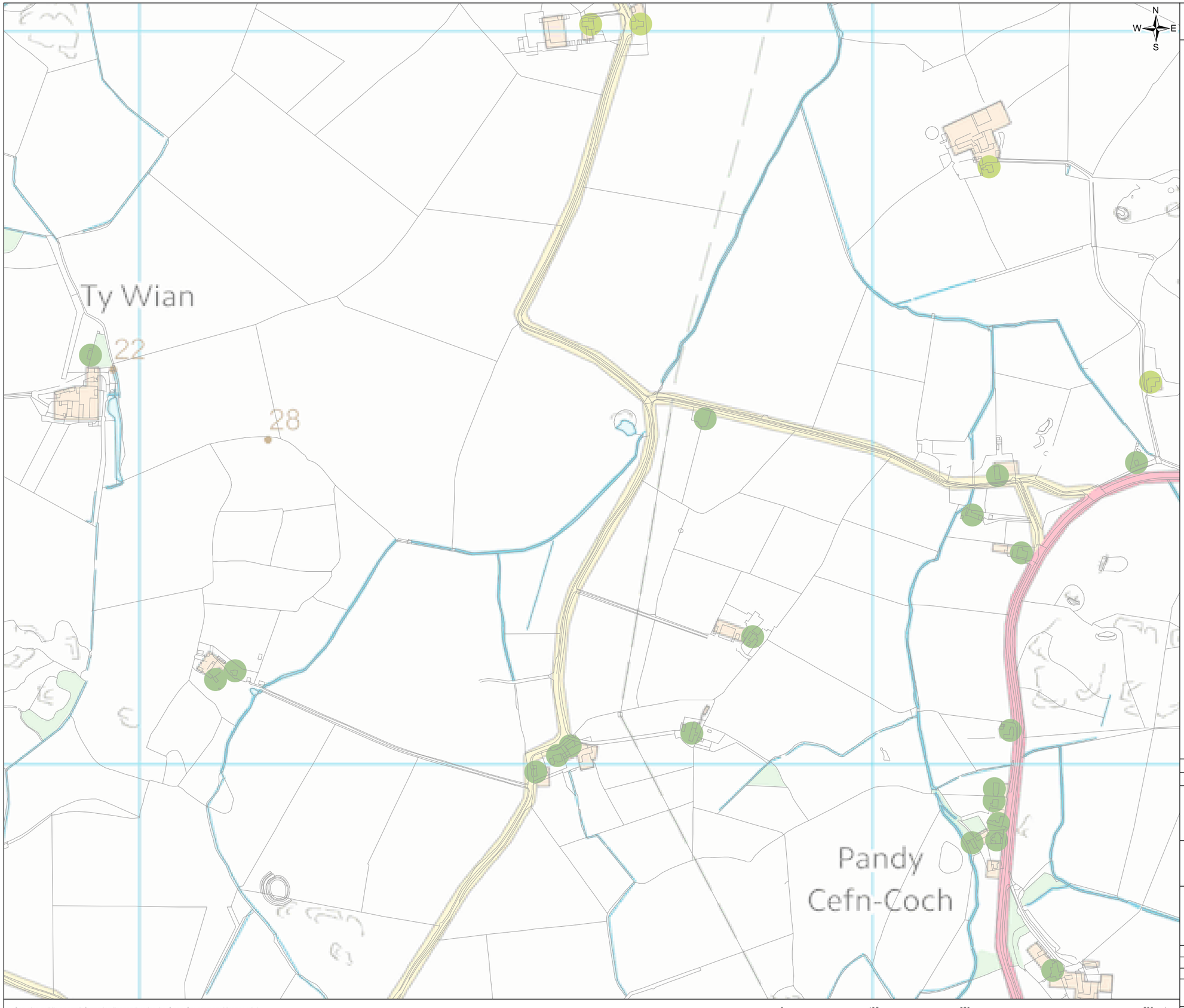


FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

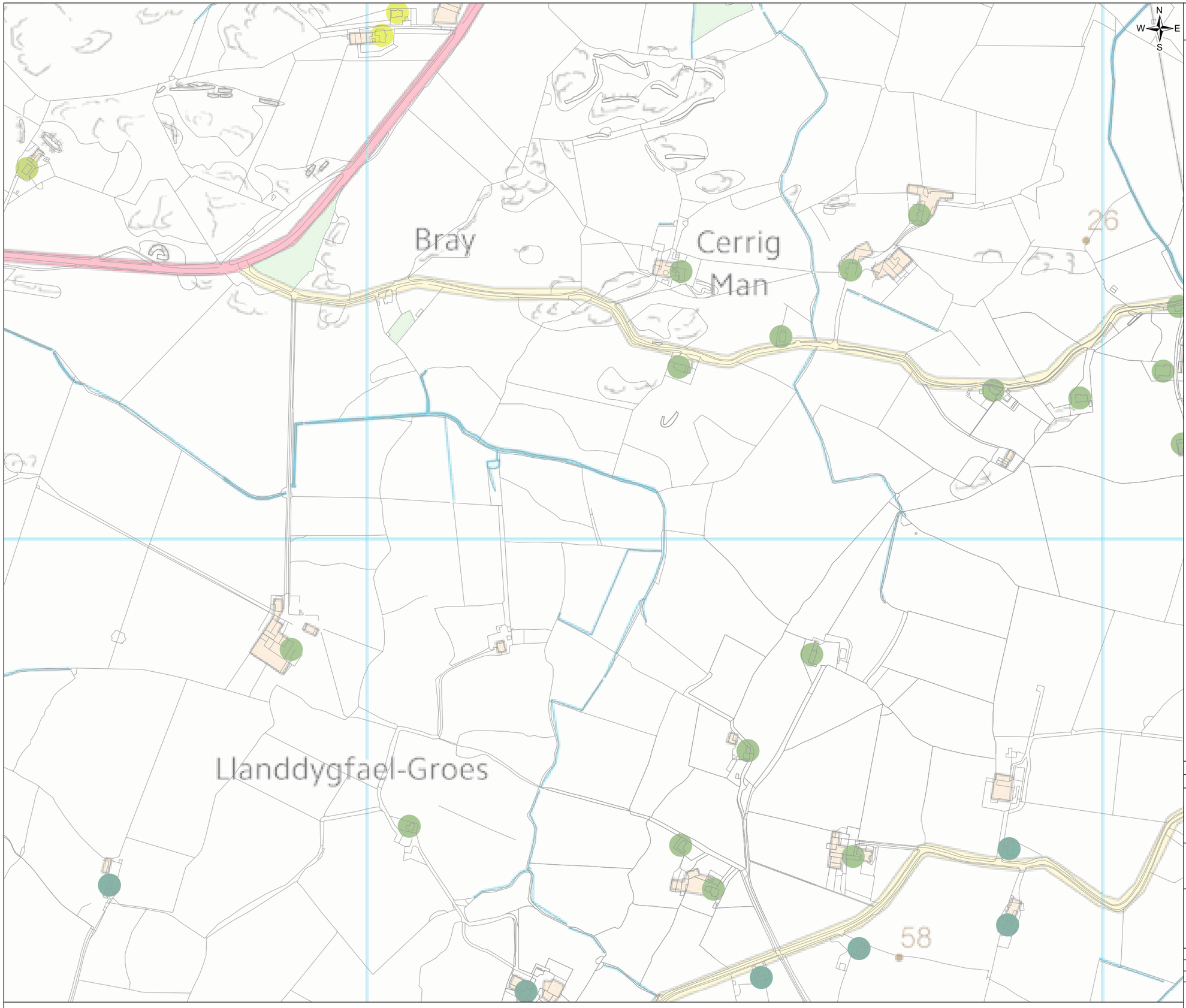
Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

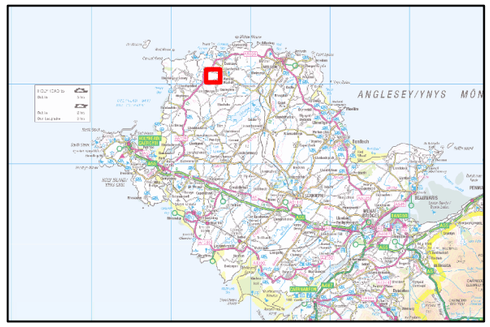
FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

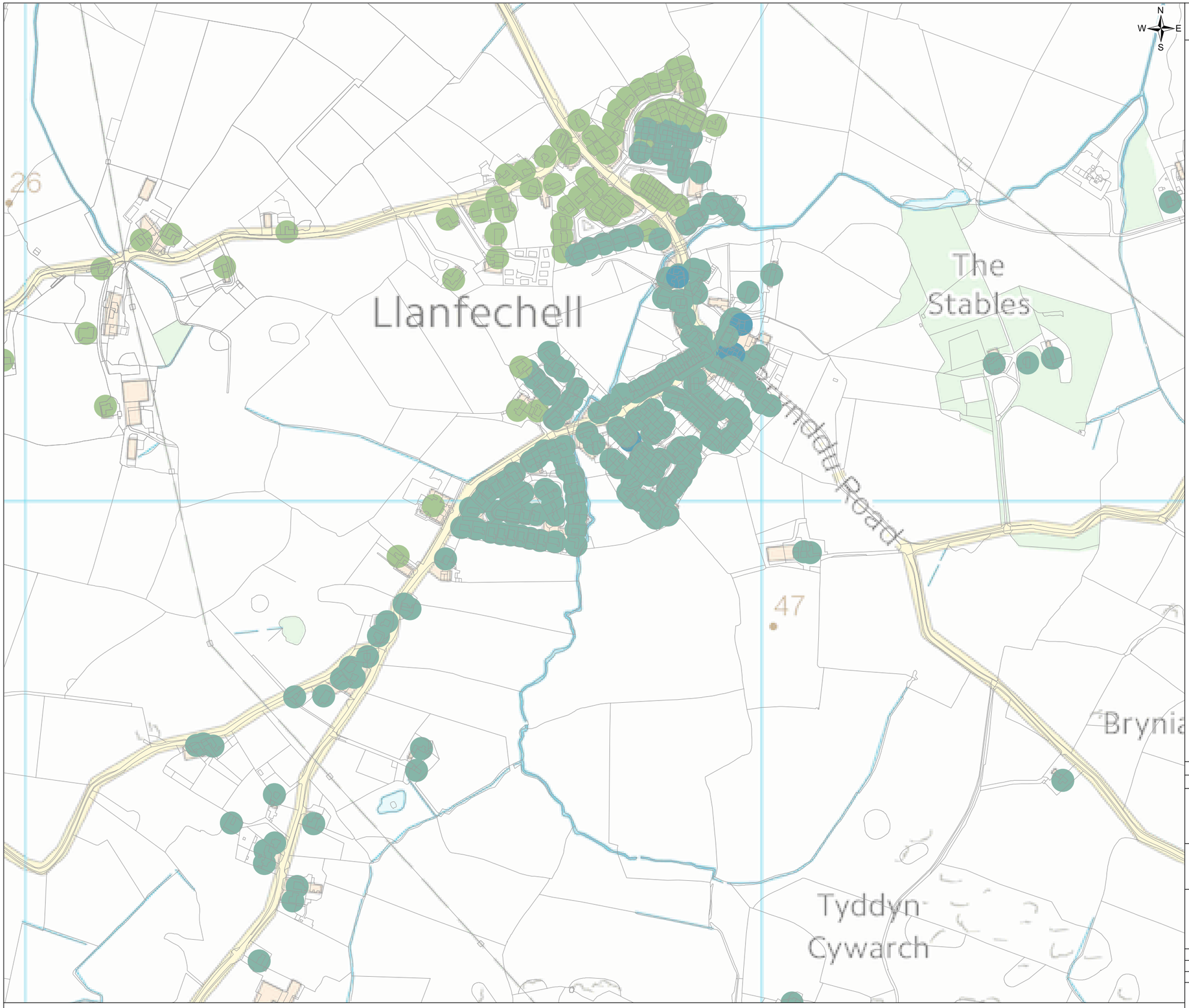


FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

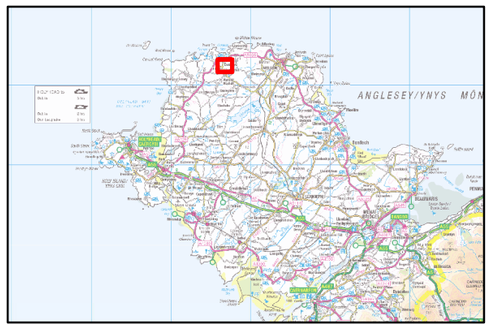
Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL
Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

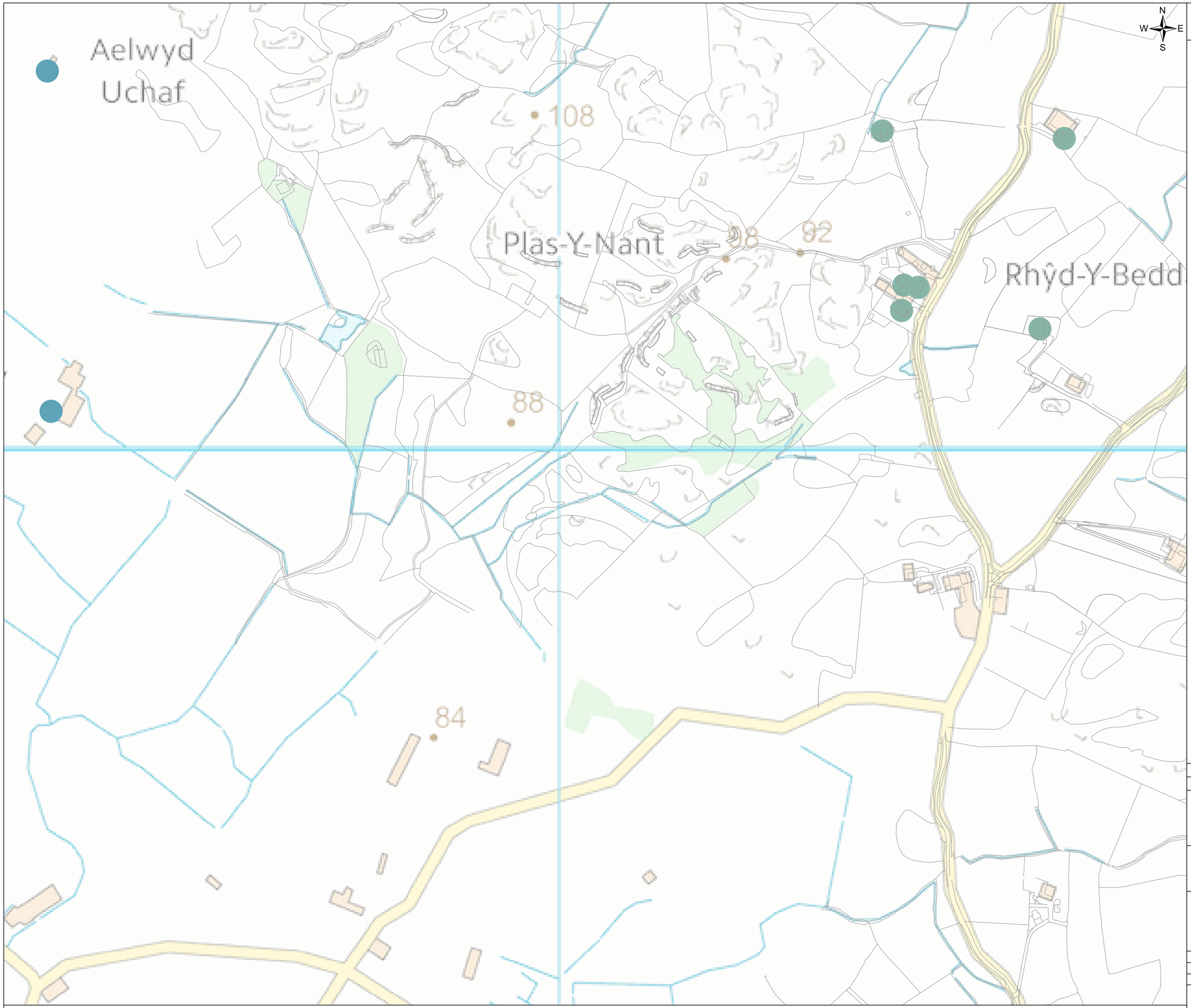
60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

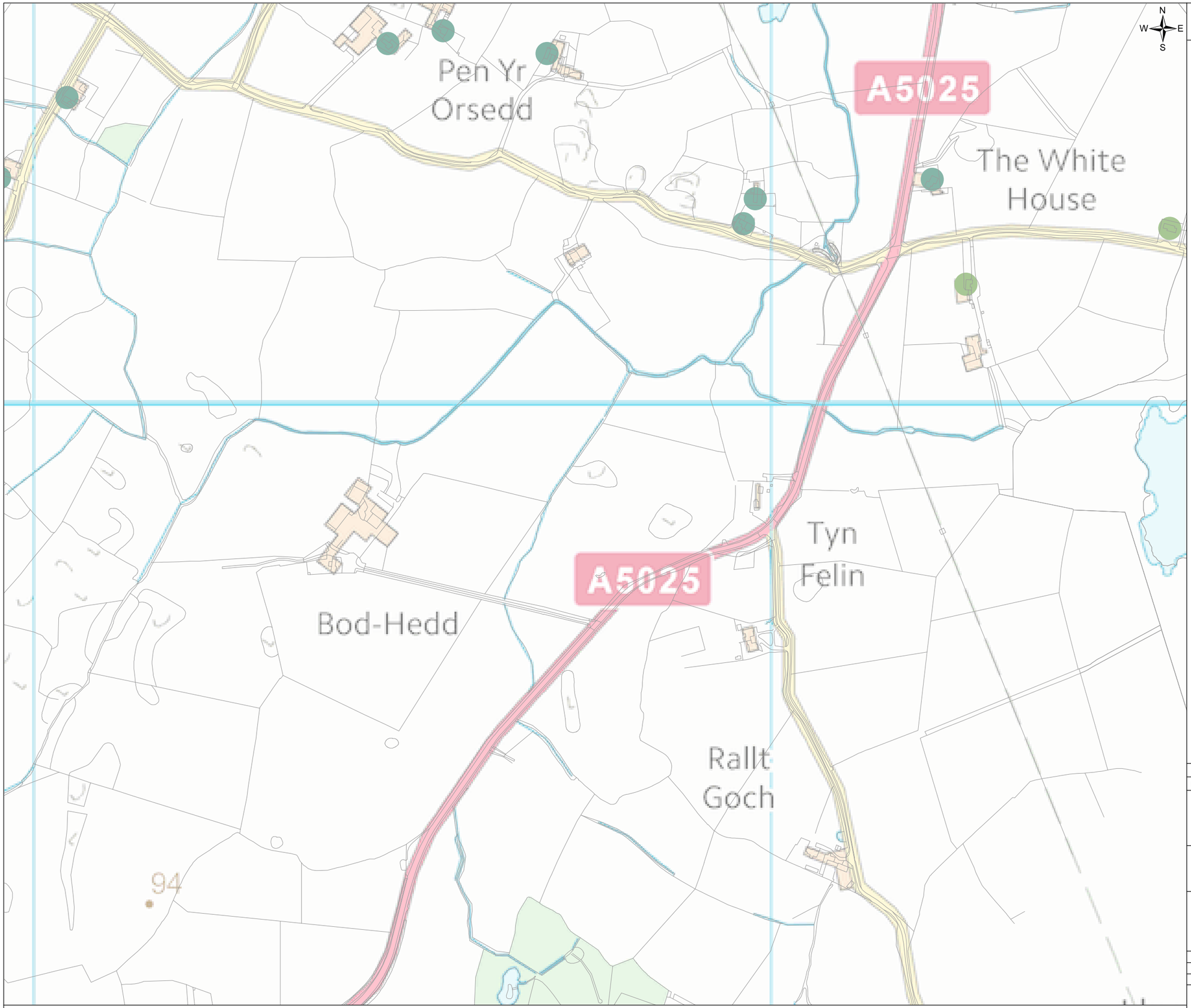
60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

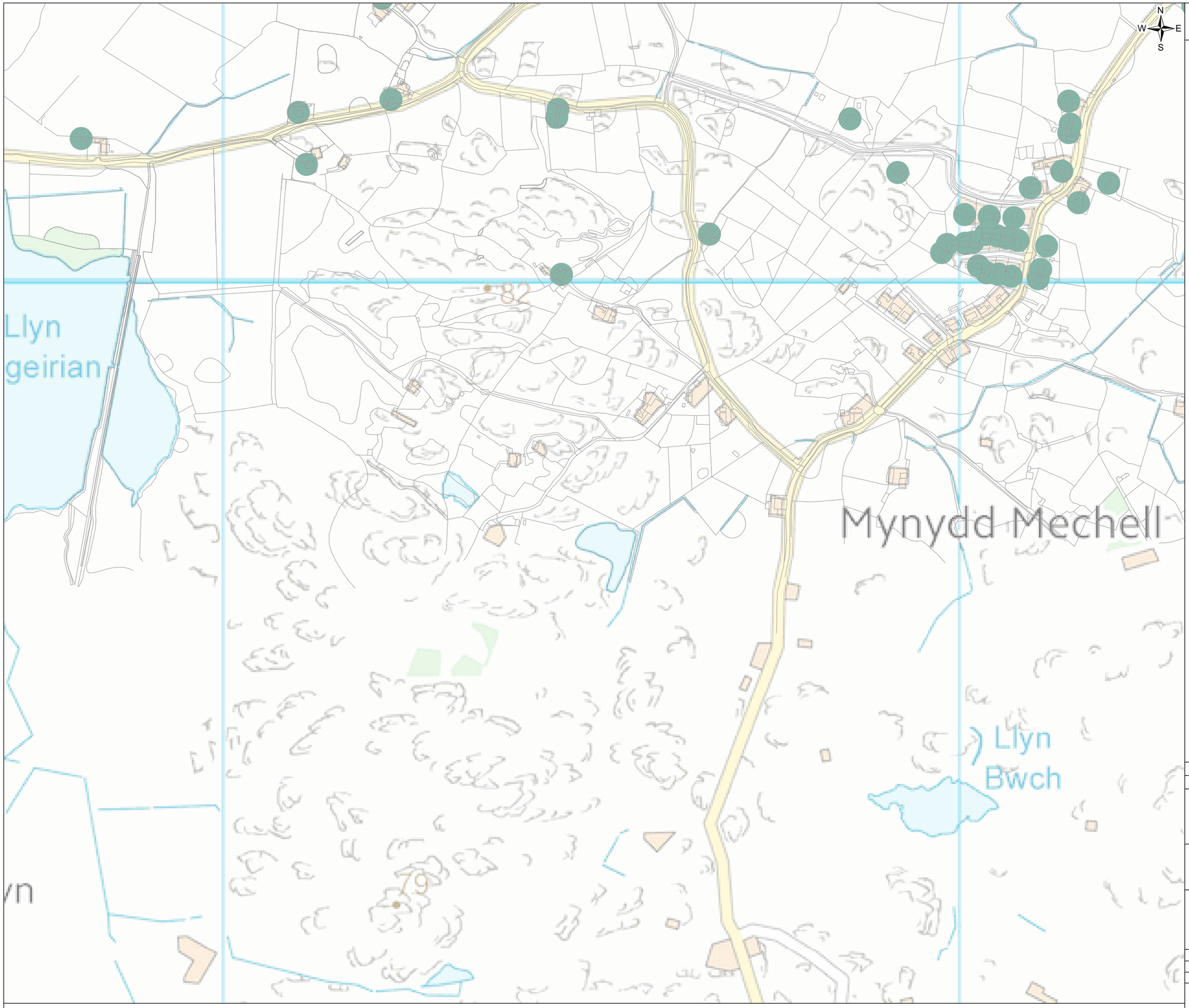
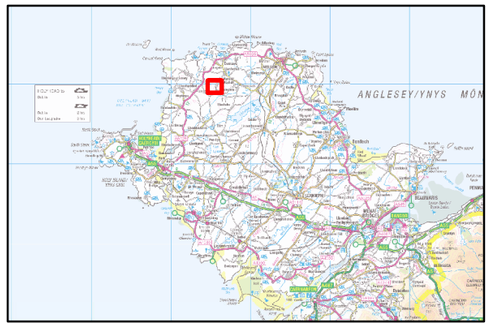


FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

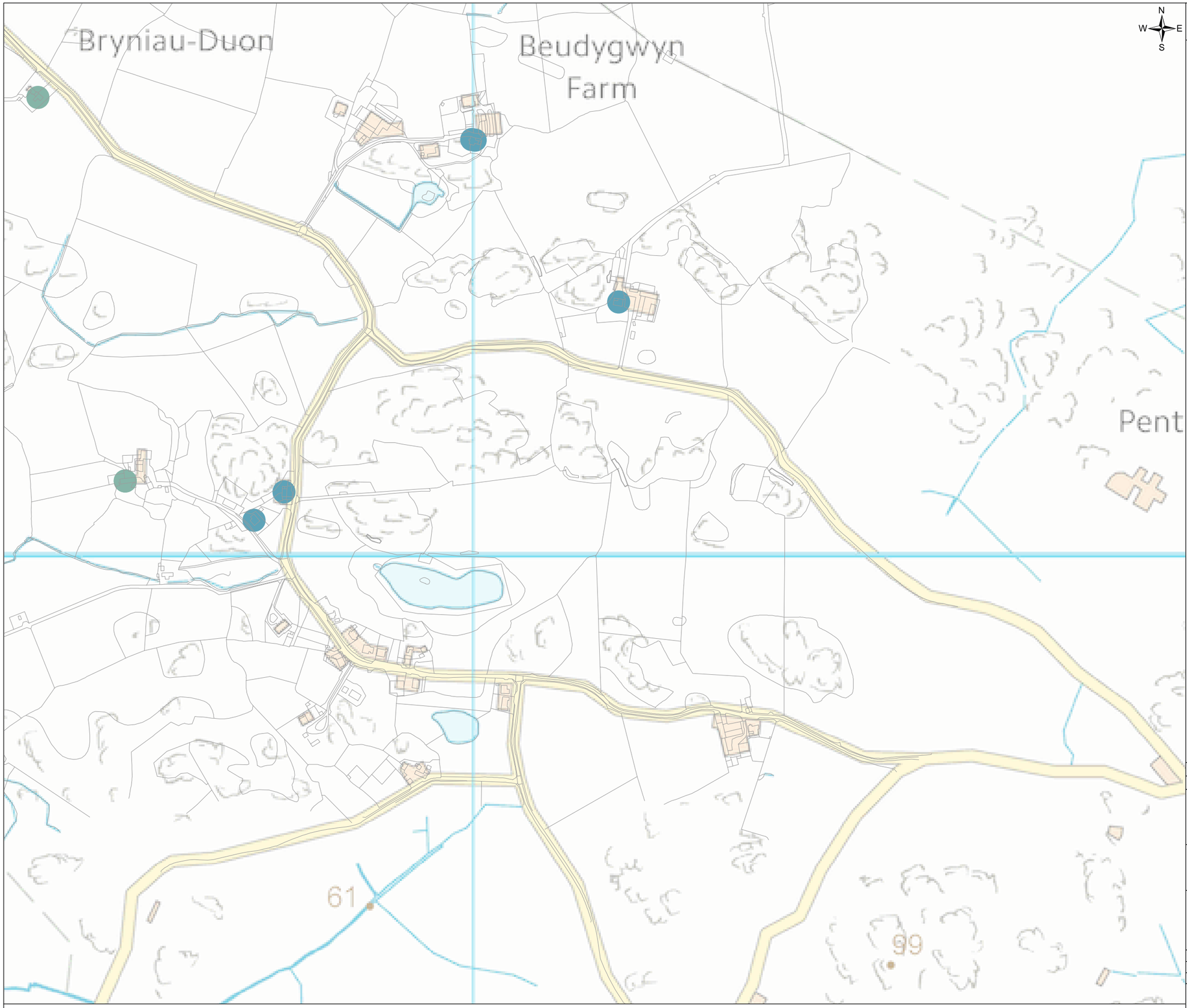


FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

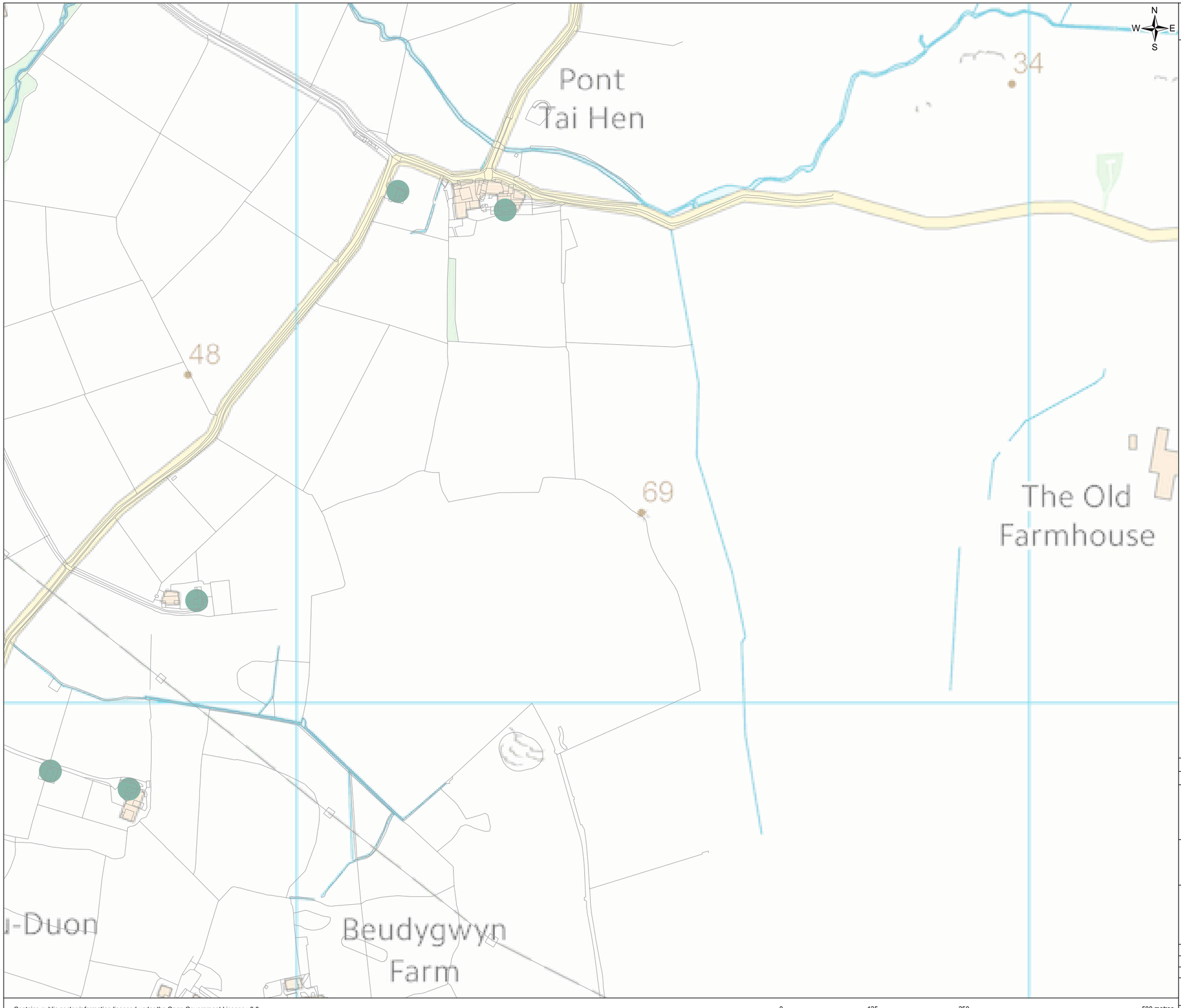
60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

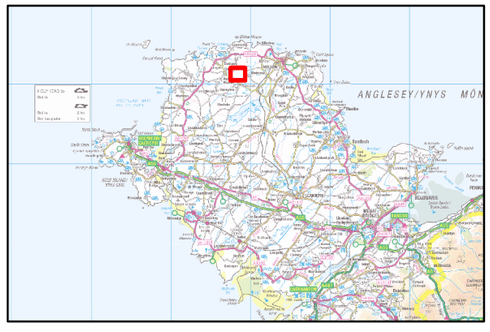
FIGURE 9



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

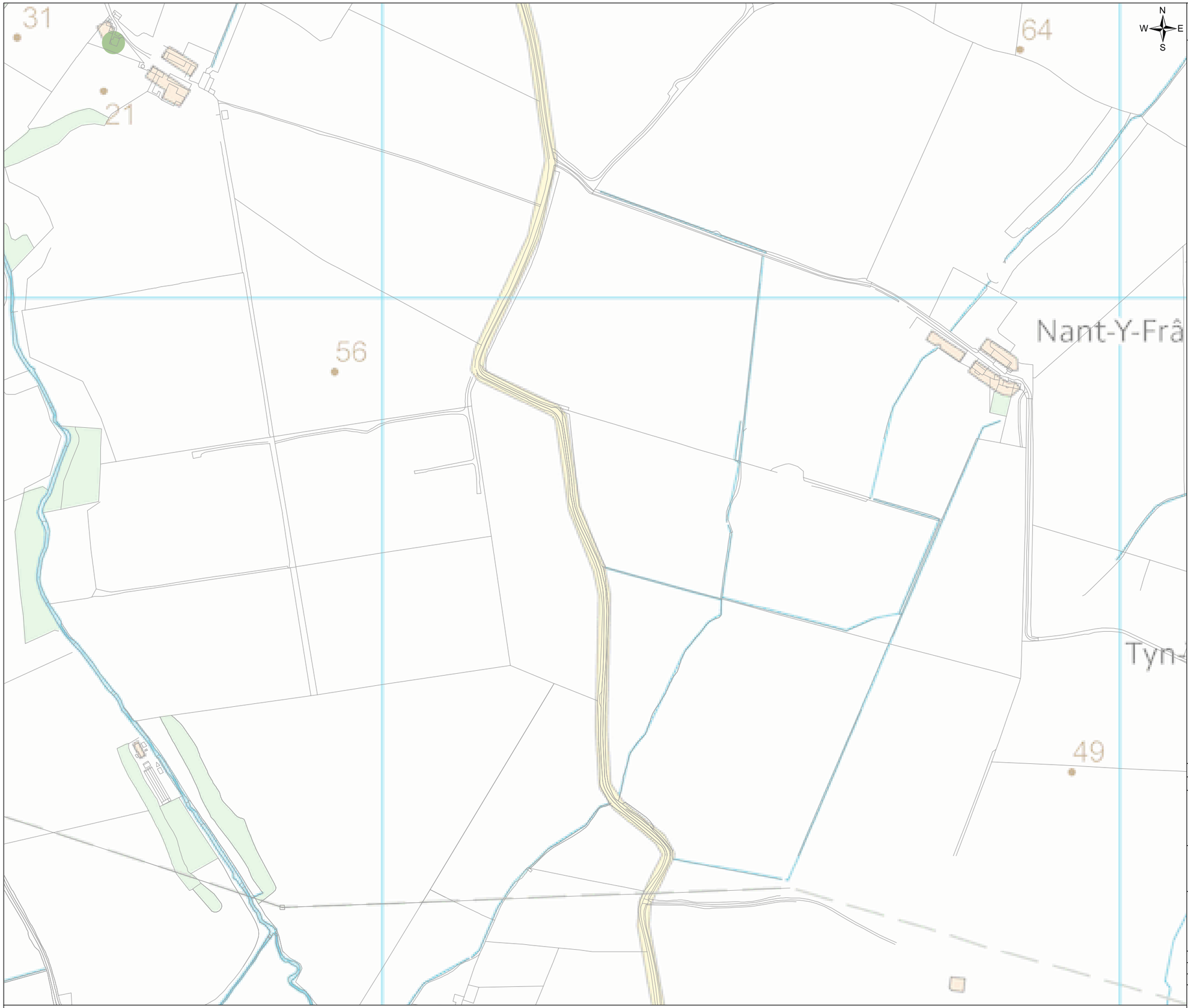


FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

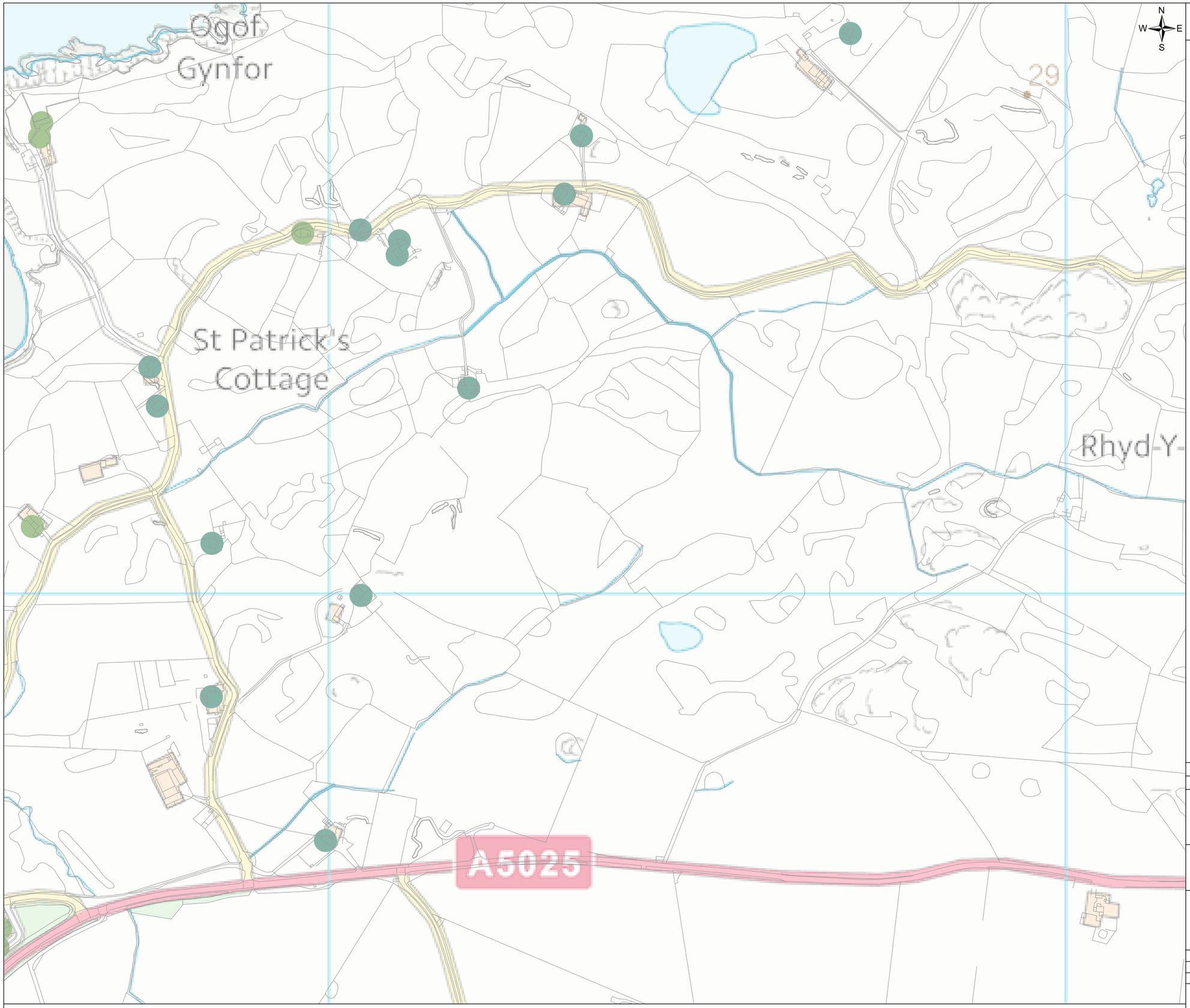


FIGURE 9

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 19 TO 21 (NIGHT-TIME)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS19TO21_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

FIGURE 10

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (DAYTIME) SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (DAYTIME)
SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

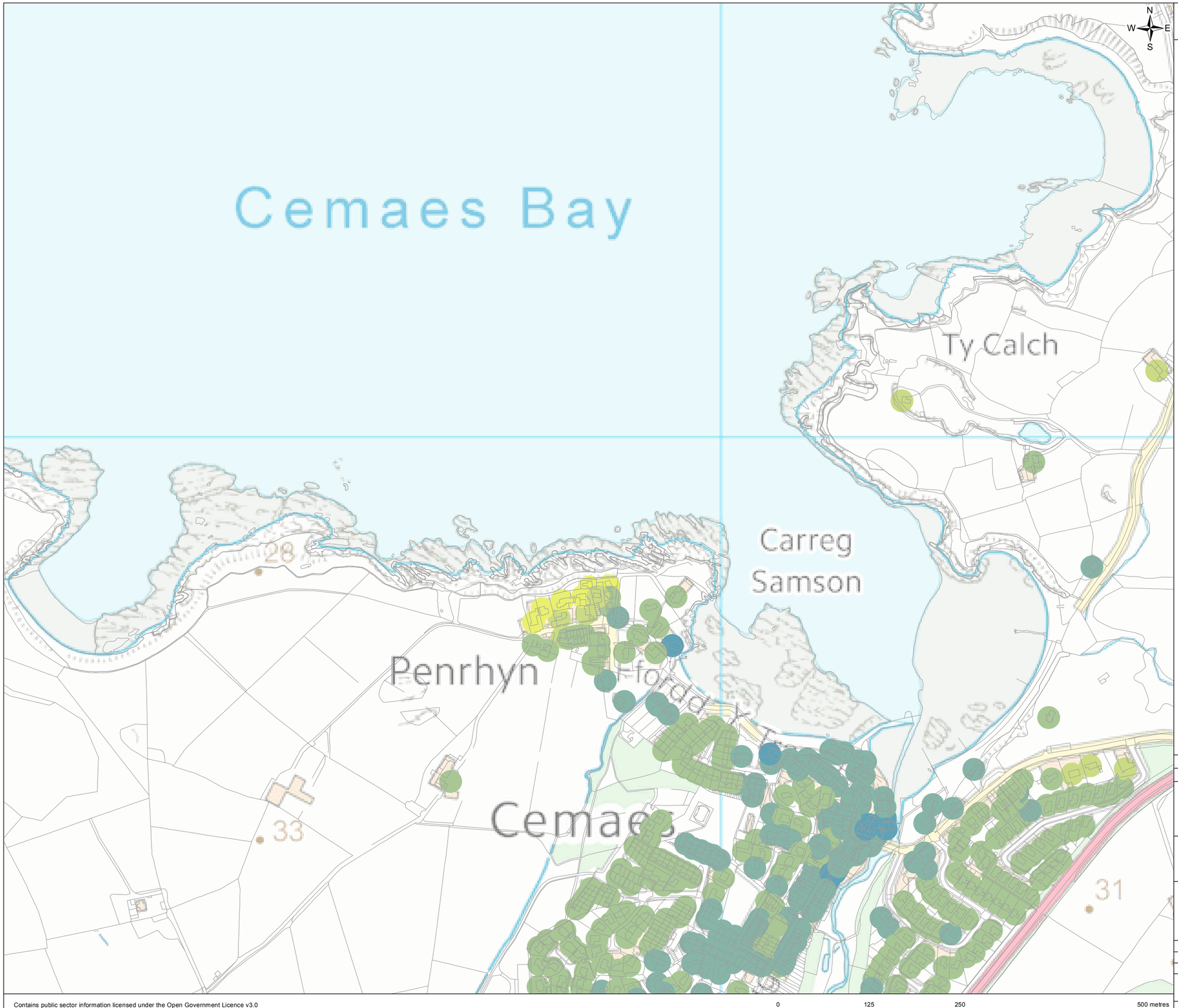
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

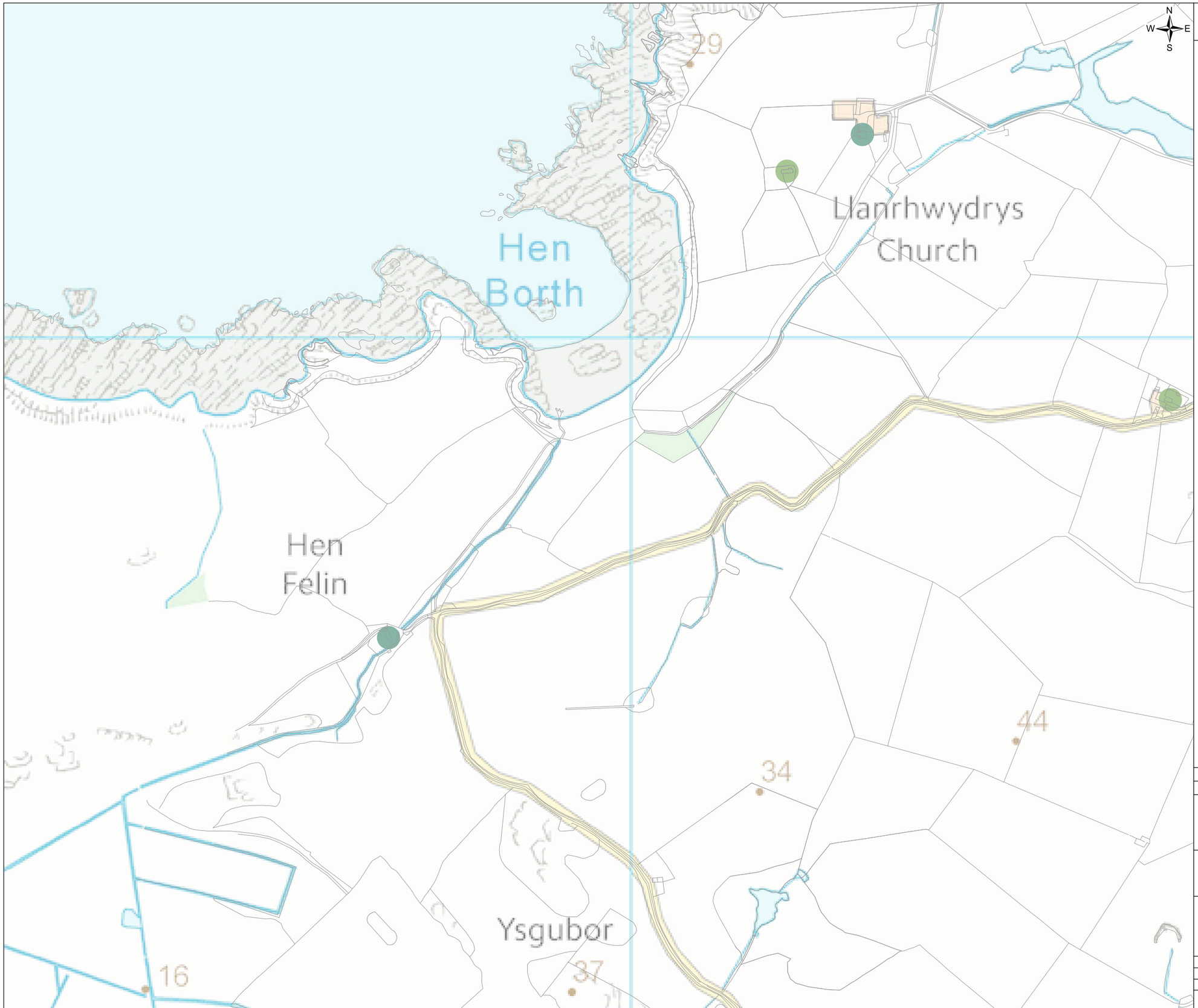
60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (DAYTIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

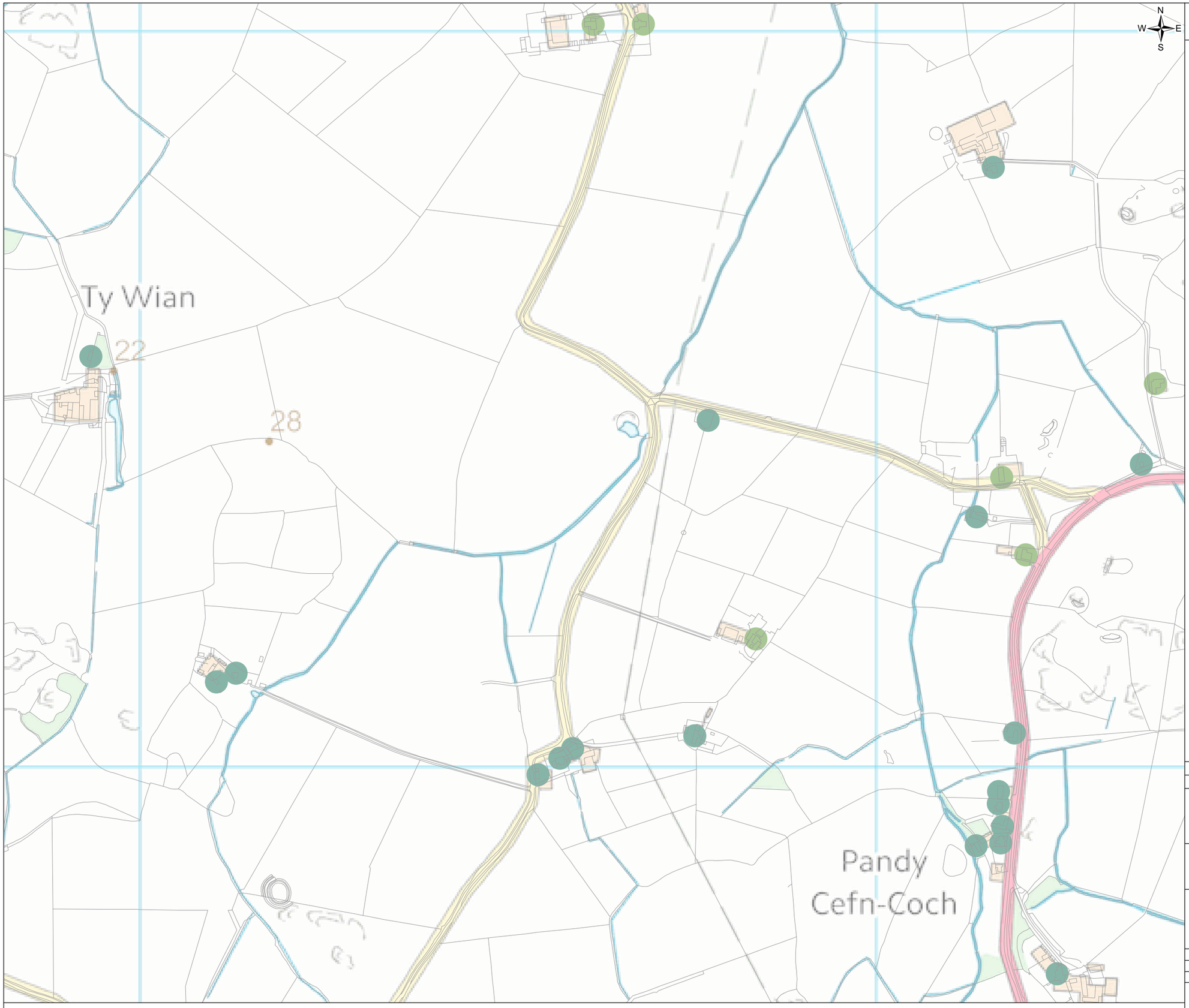
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

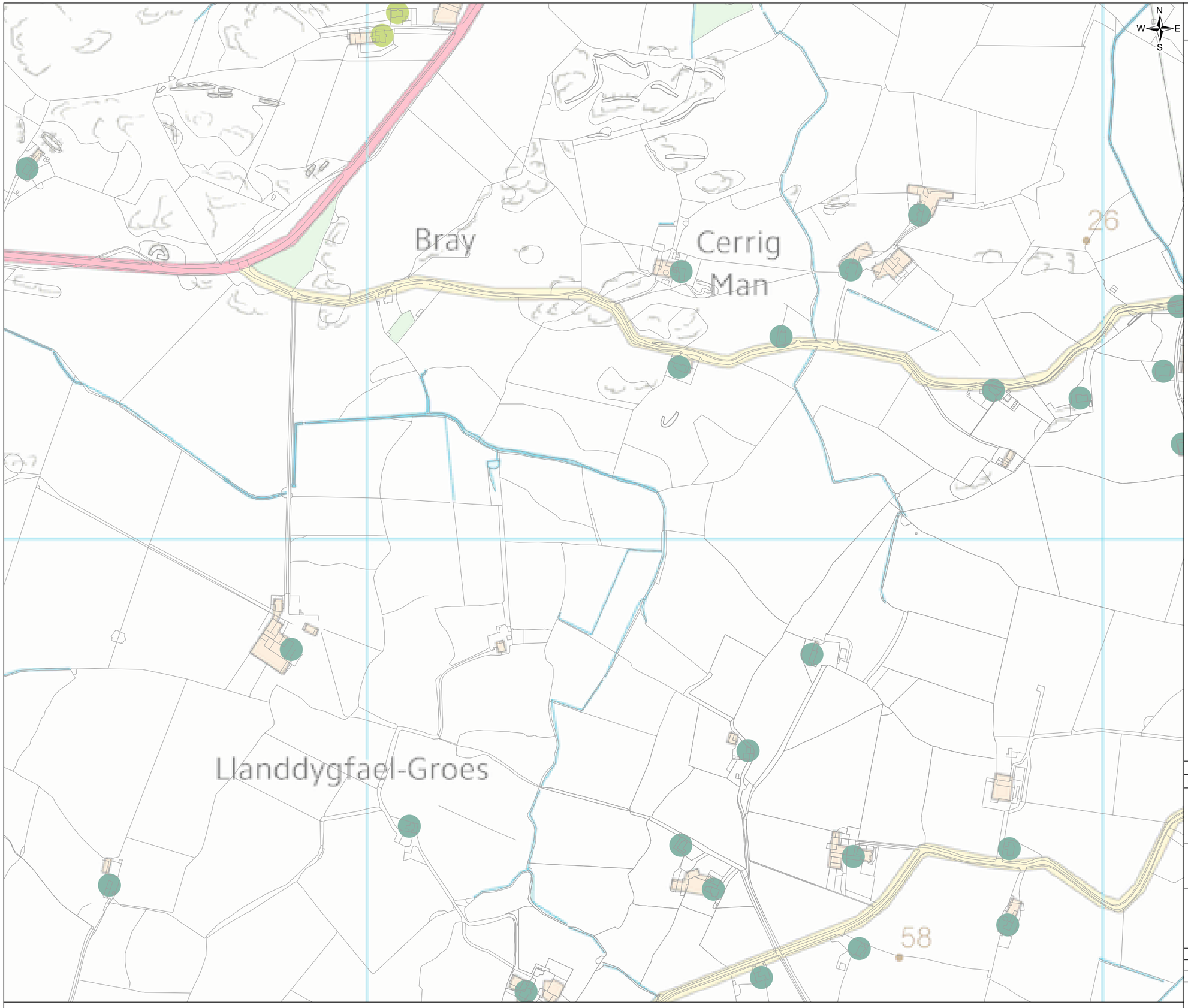
60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

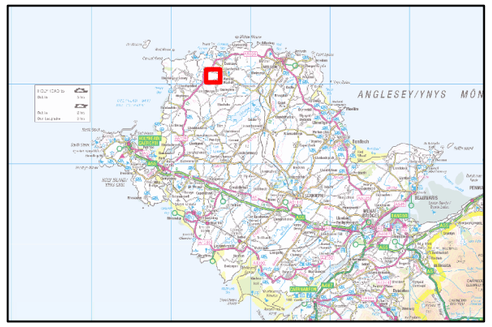
FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (DAYTIME)
SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

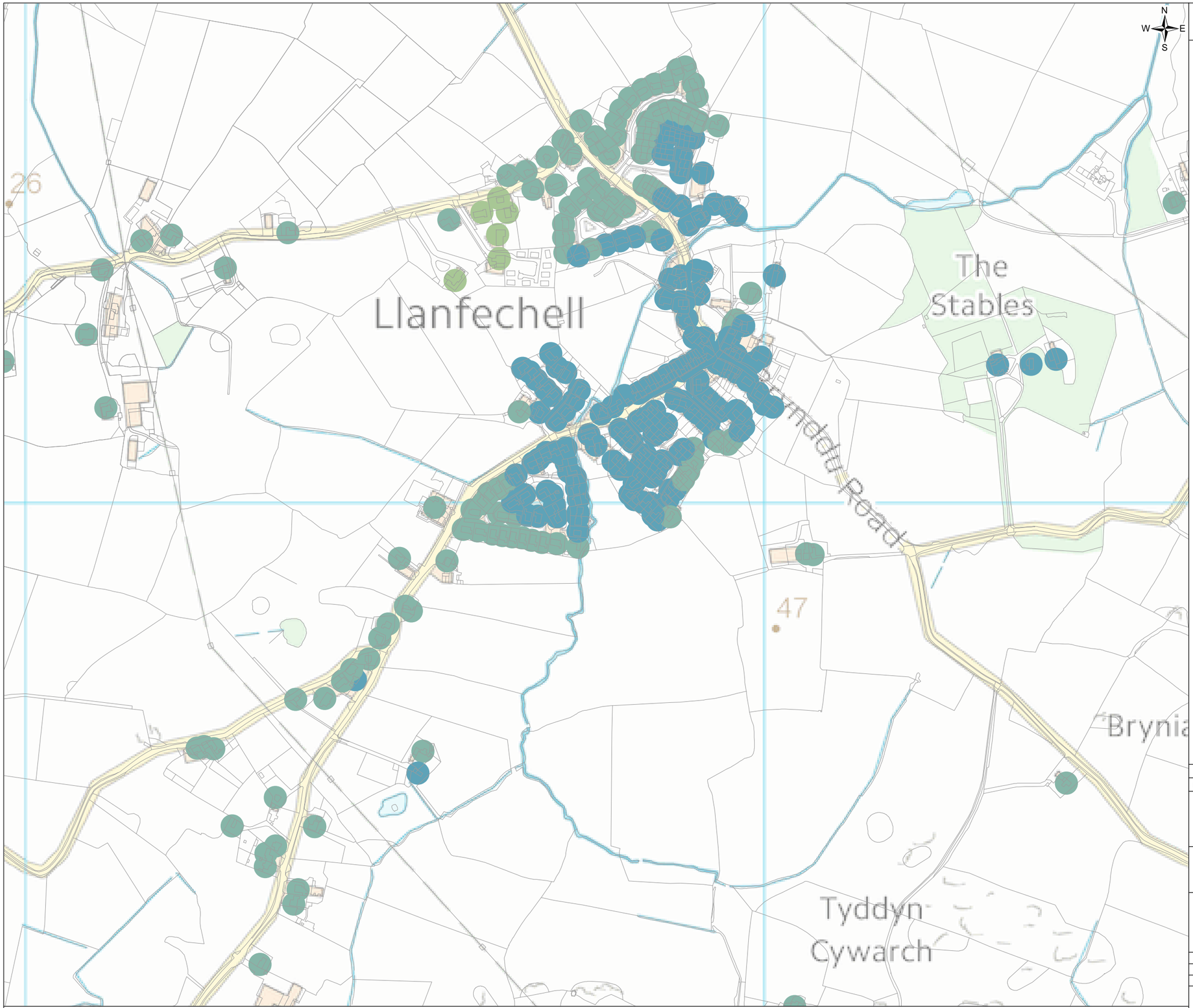
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

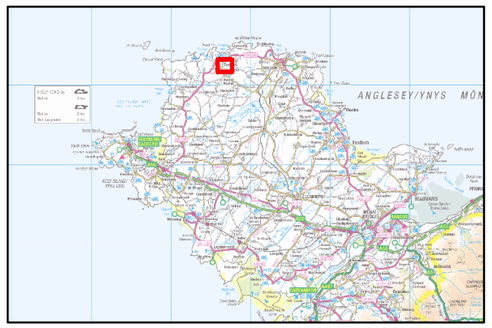
0 125 250 500 metres

FIGURE 10

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

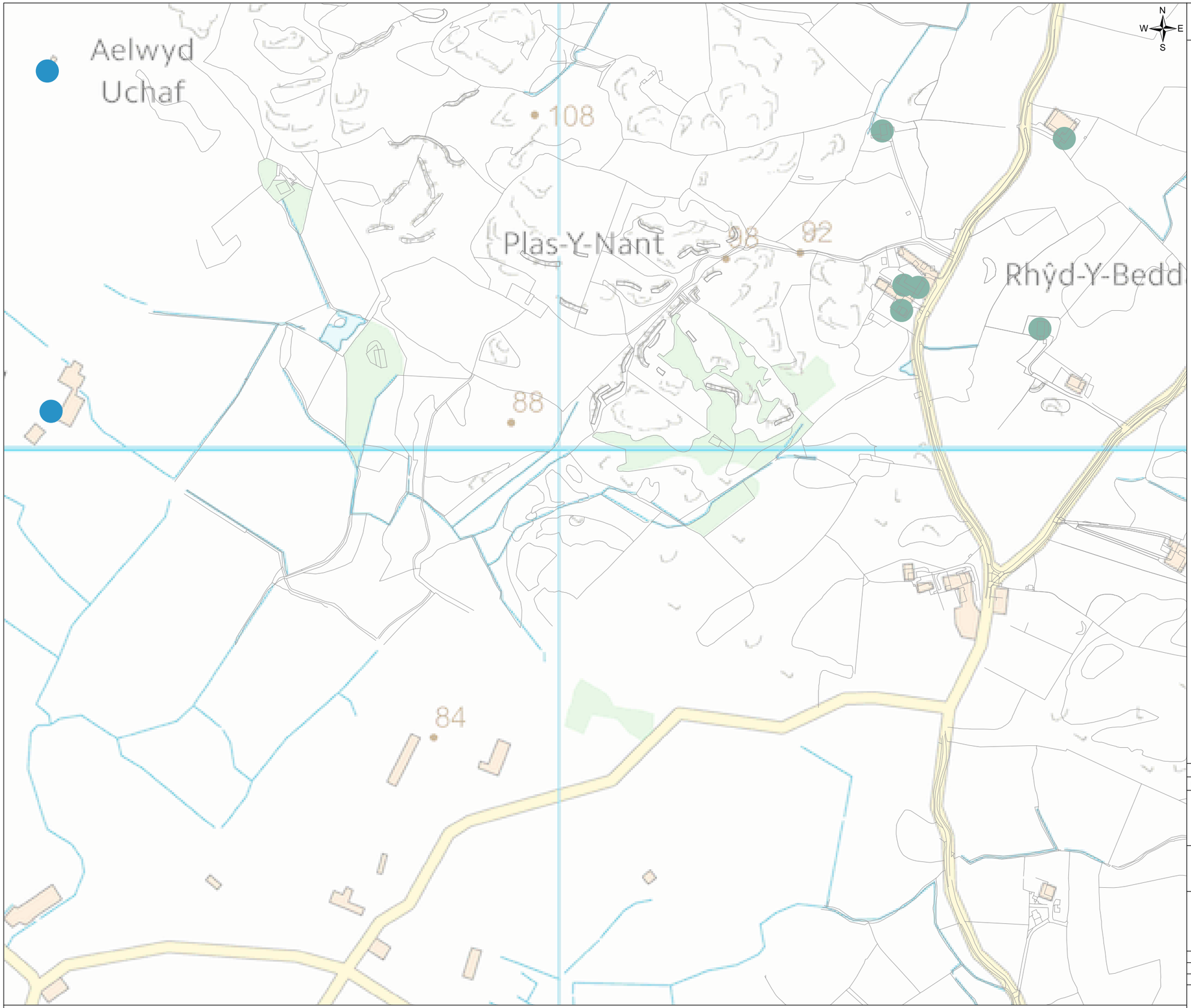
60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

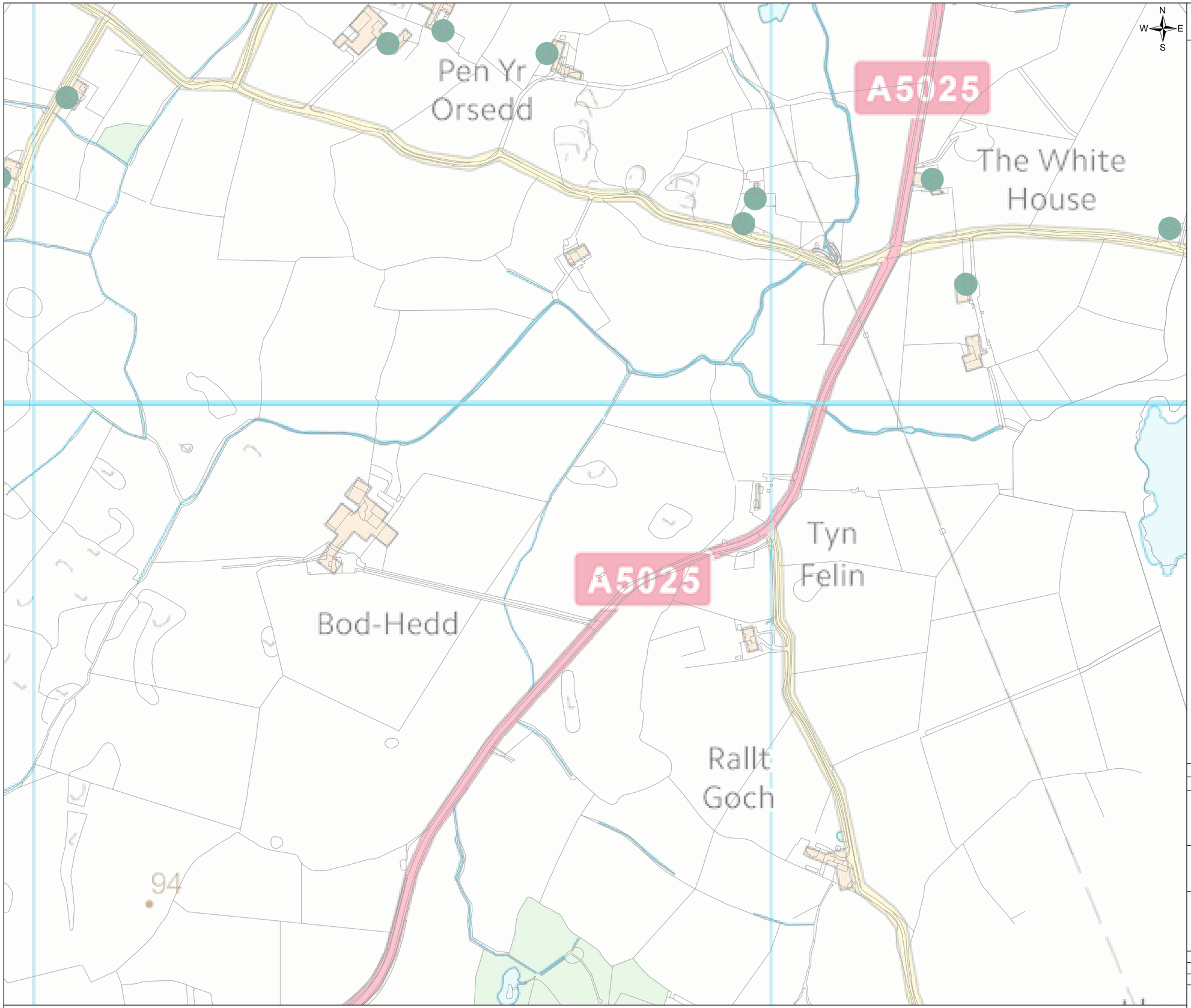
60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

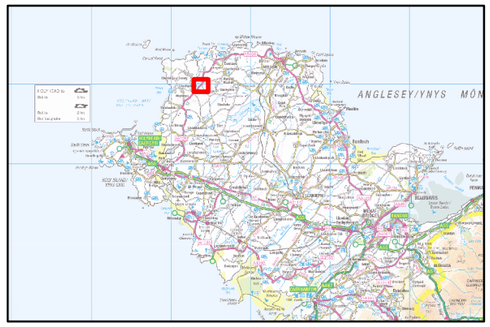
FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

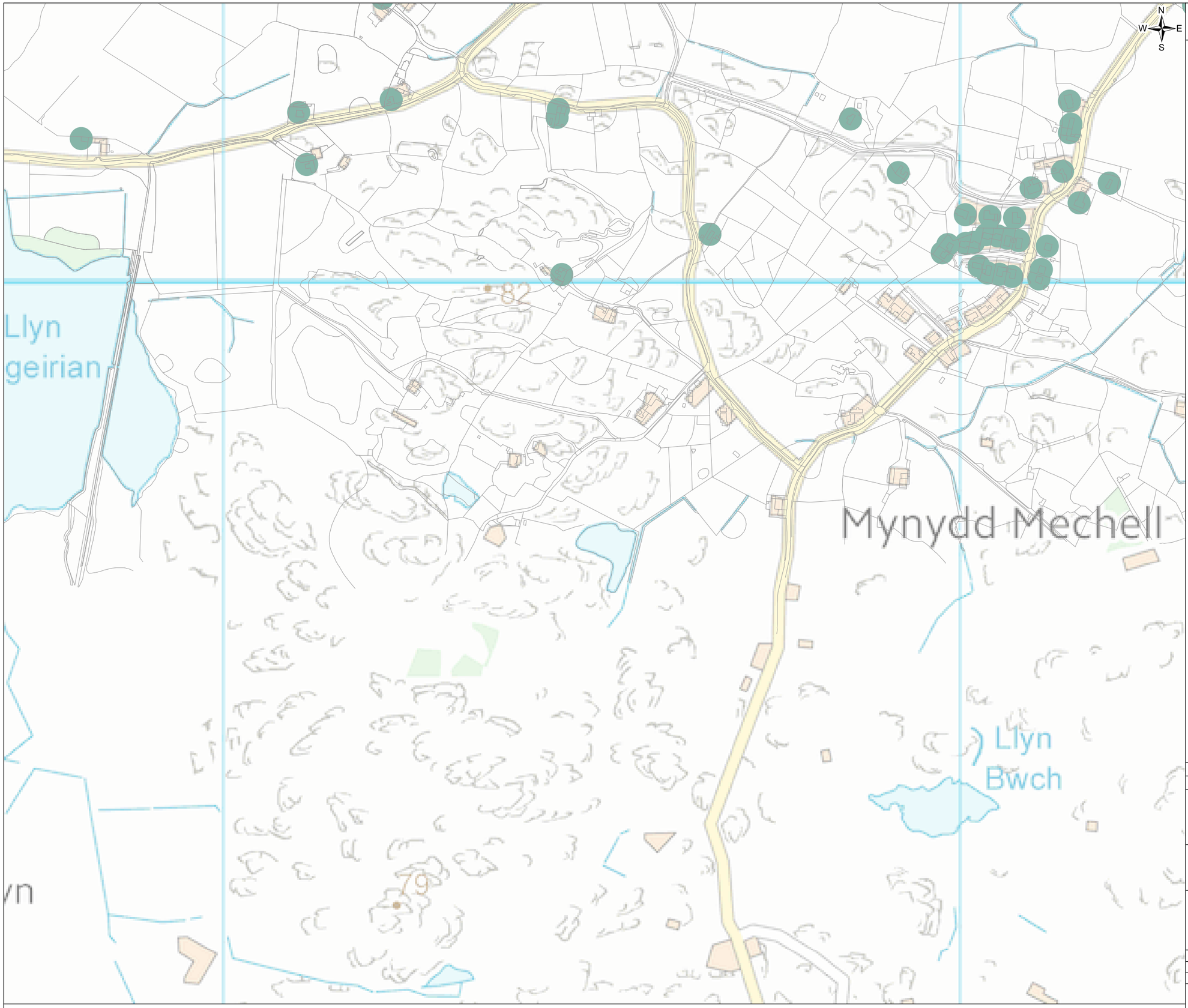
60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

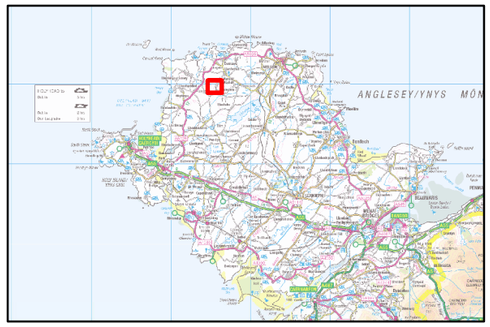
FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

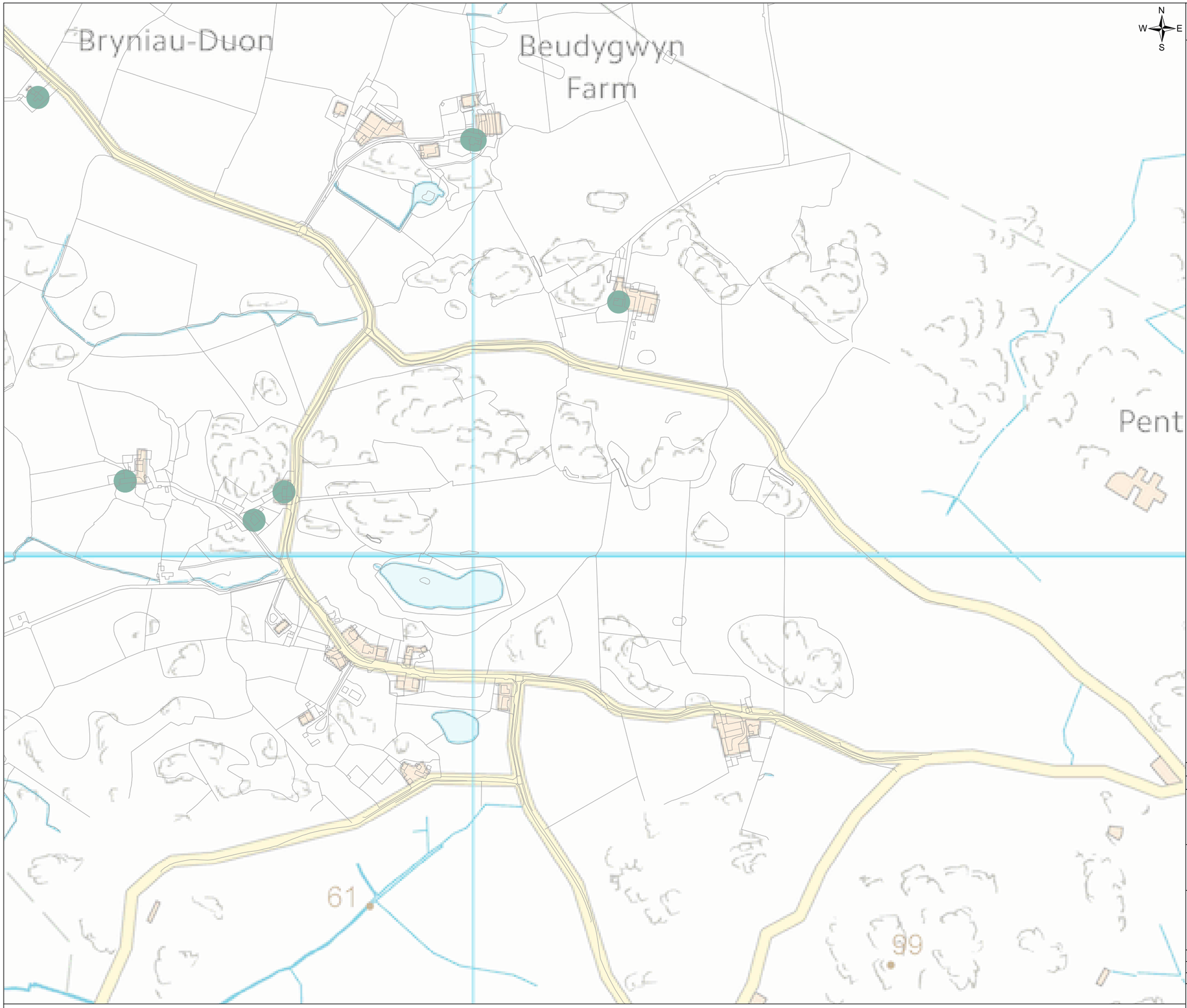


FIGURE 10

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

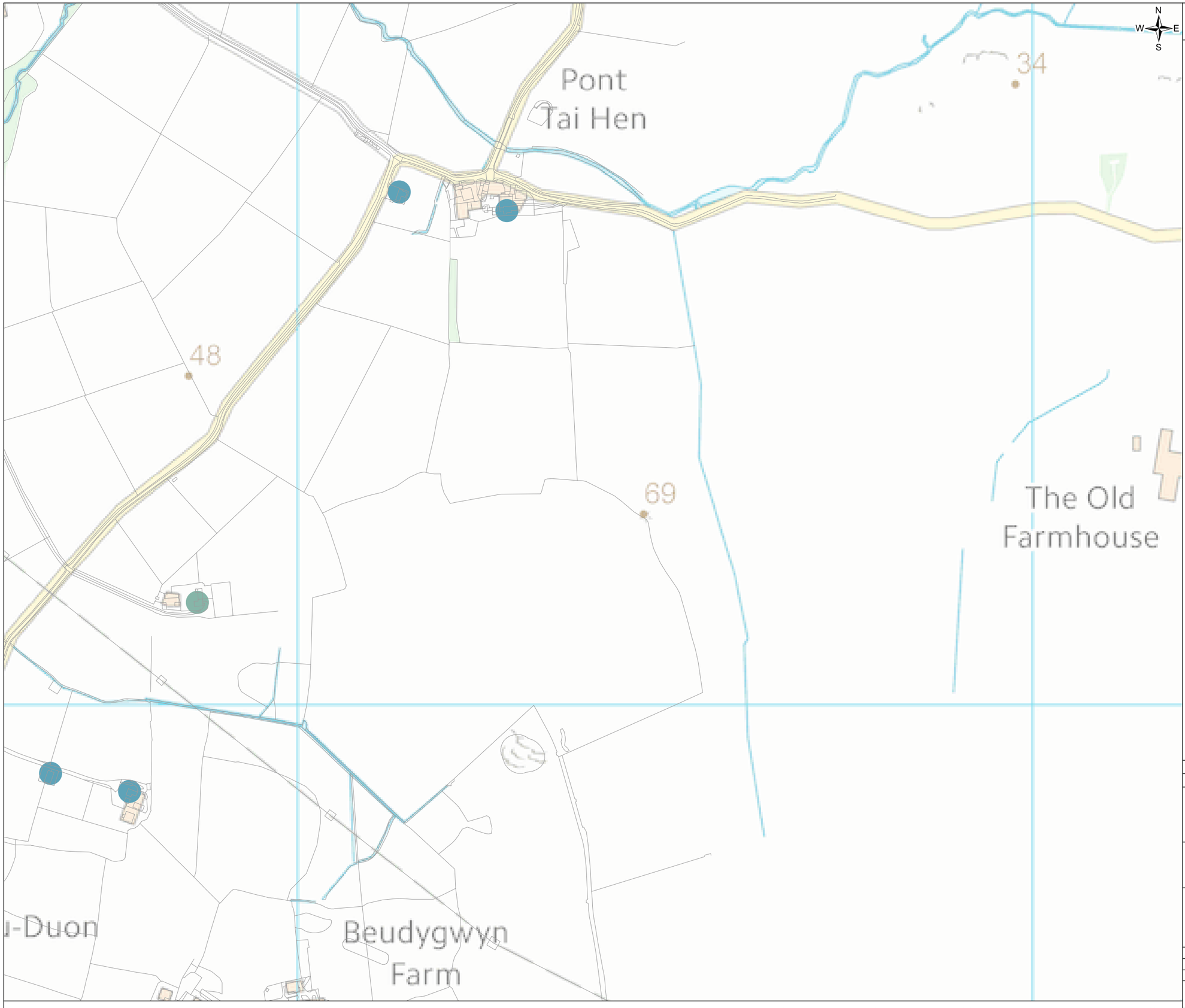
60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

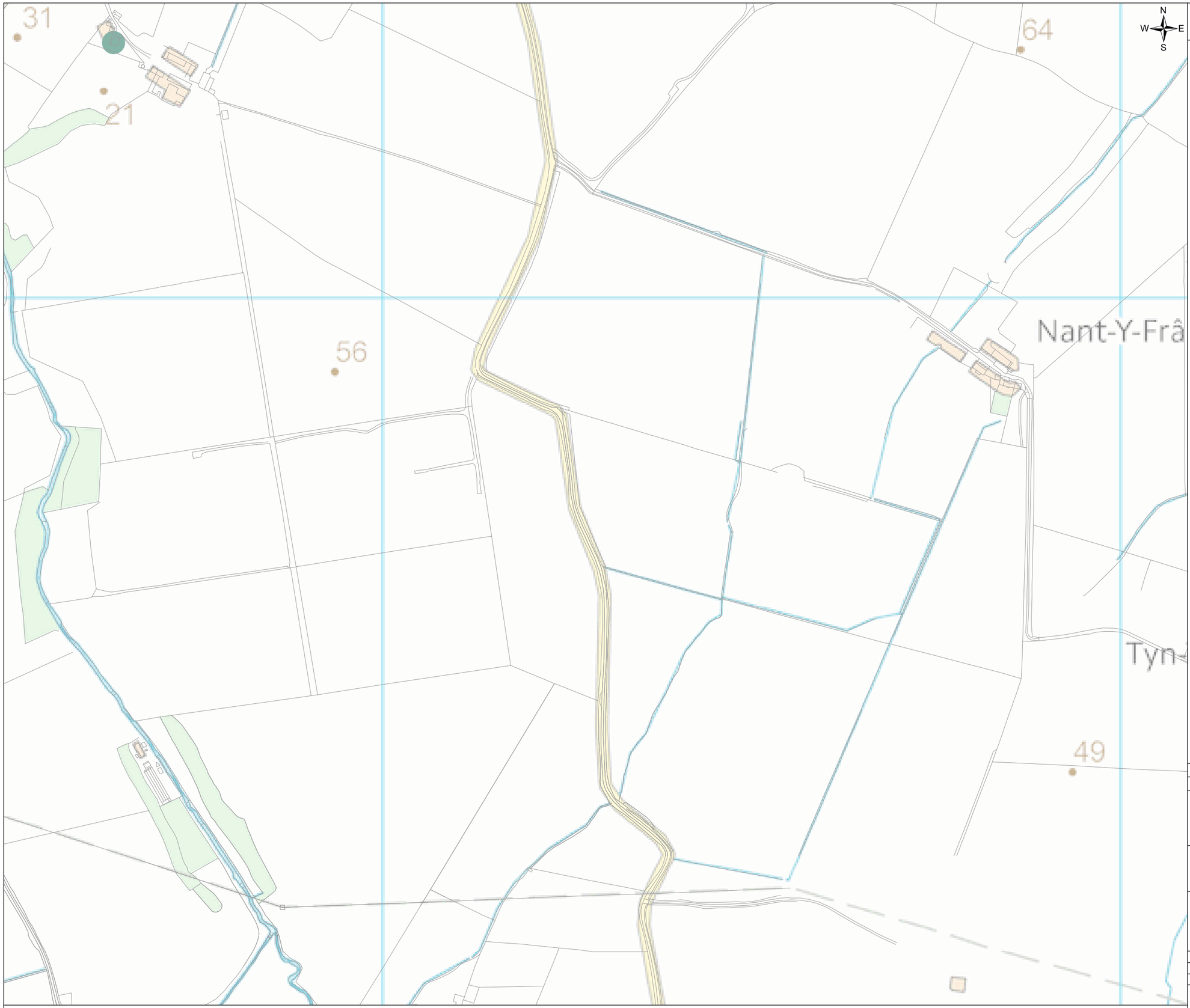
60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 10



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

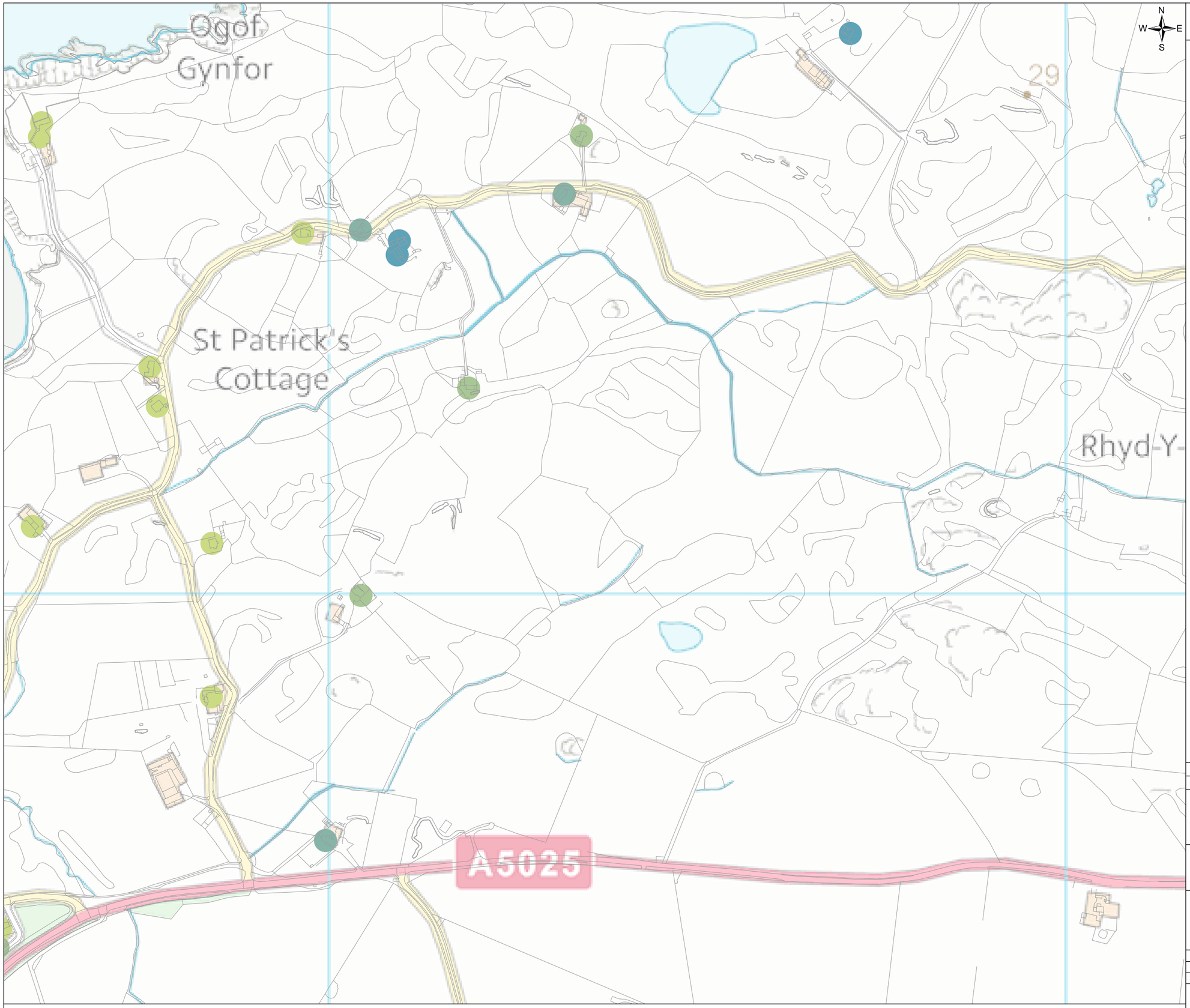


FIGURE 10

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (DAYTIME)
SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11

Esgair Gemlyn

Cemlyn

Capel

Porth Felin

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

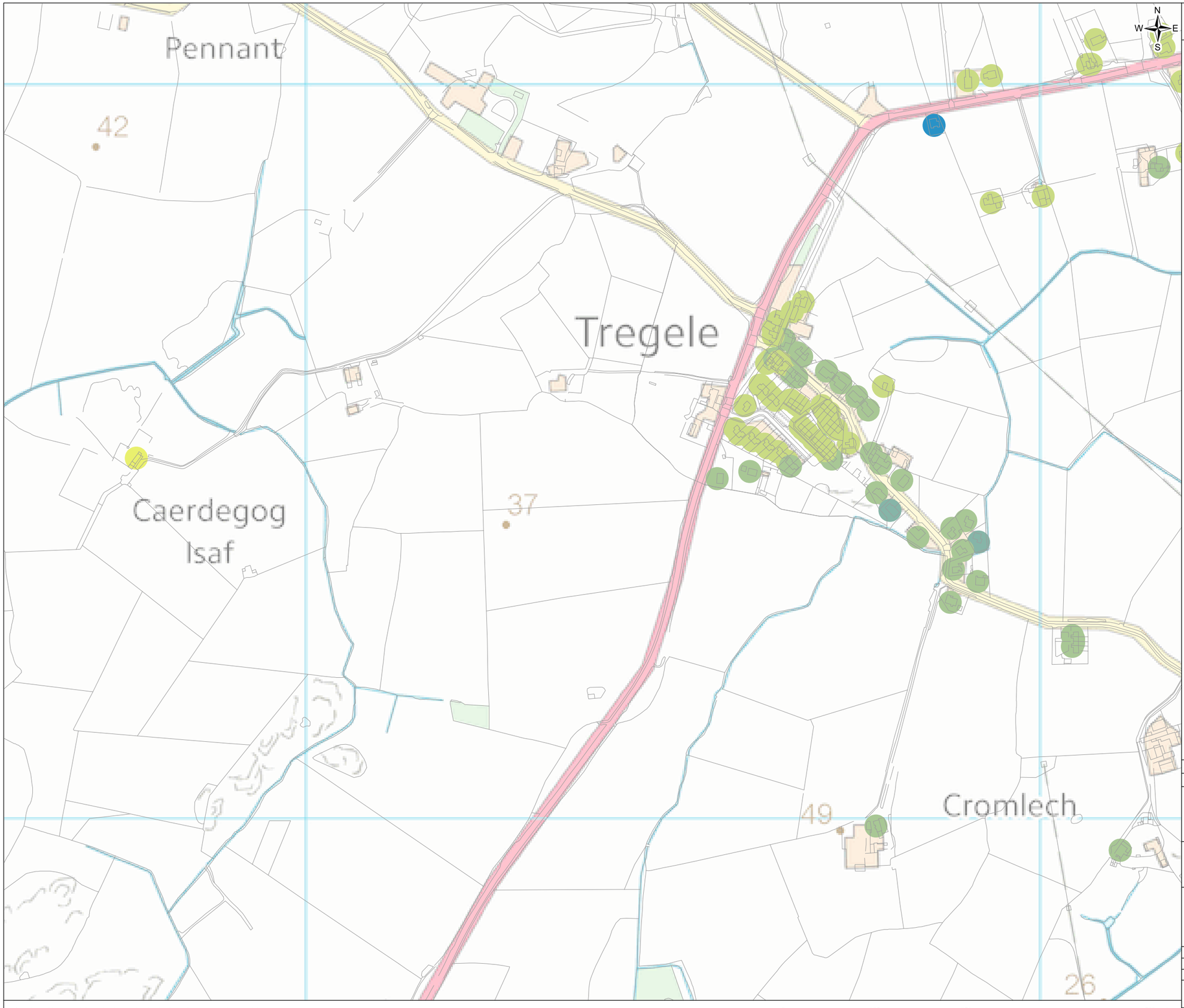
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

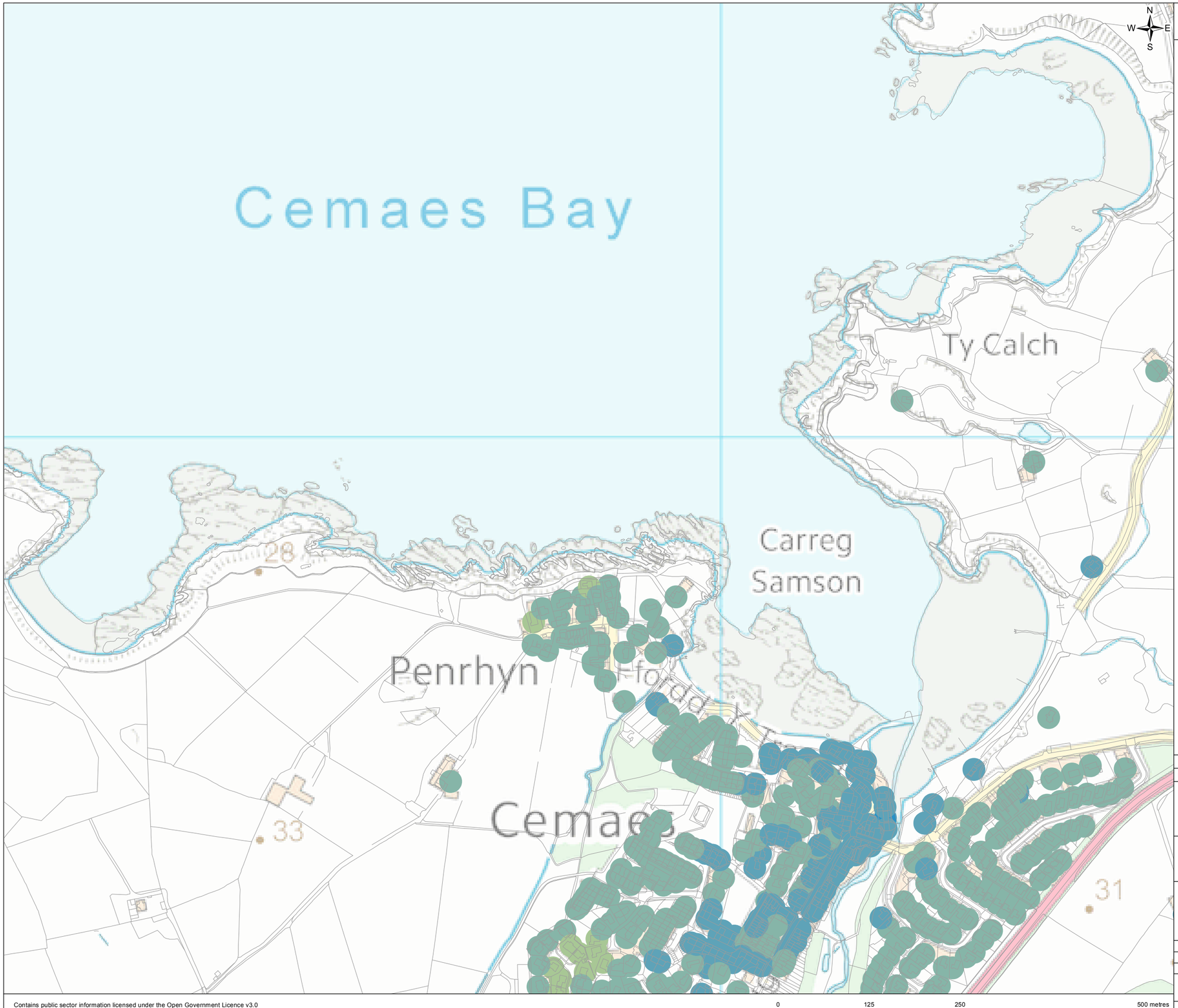
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

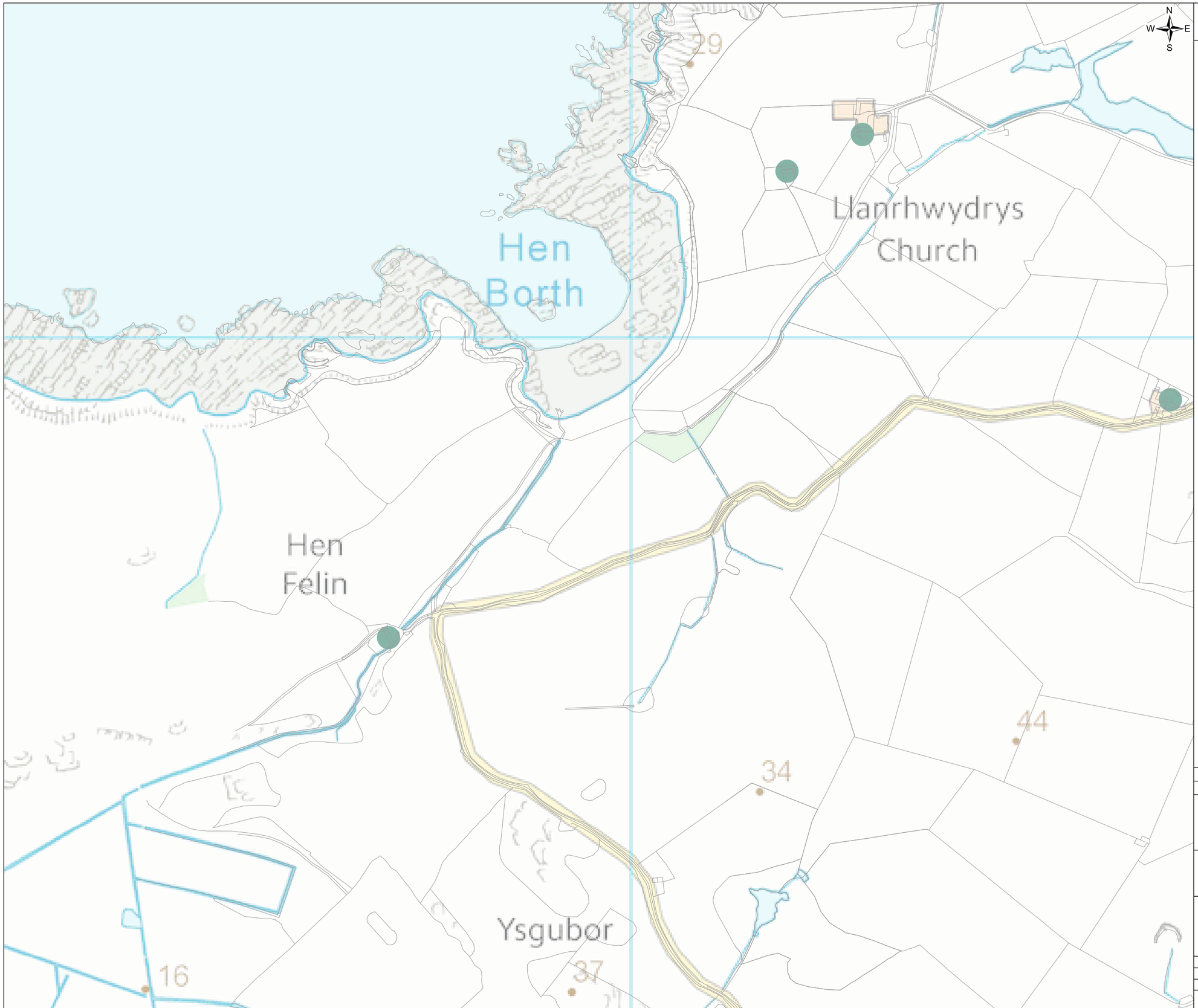
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

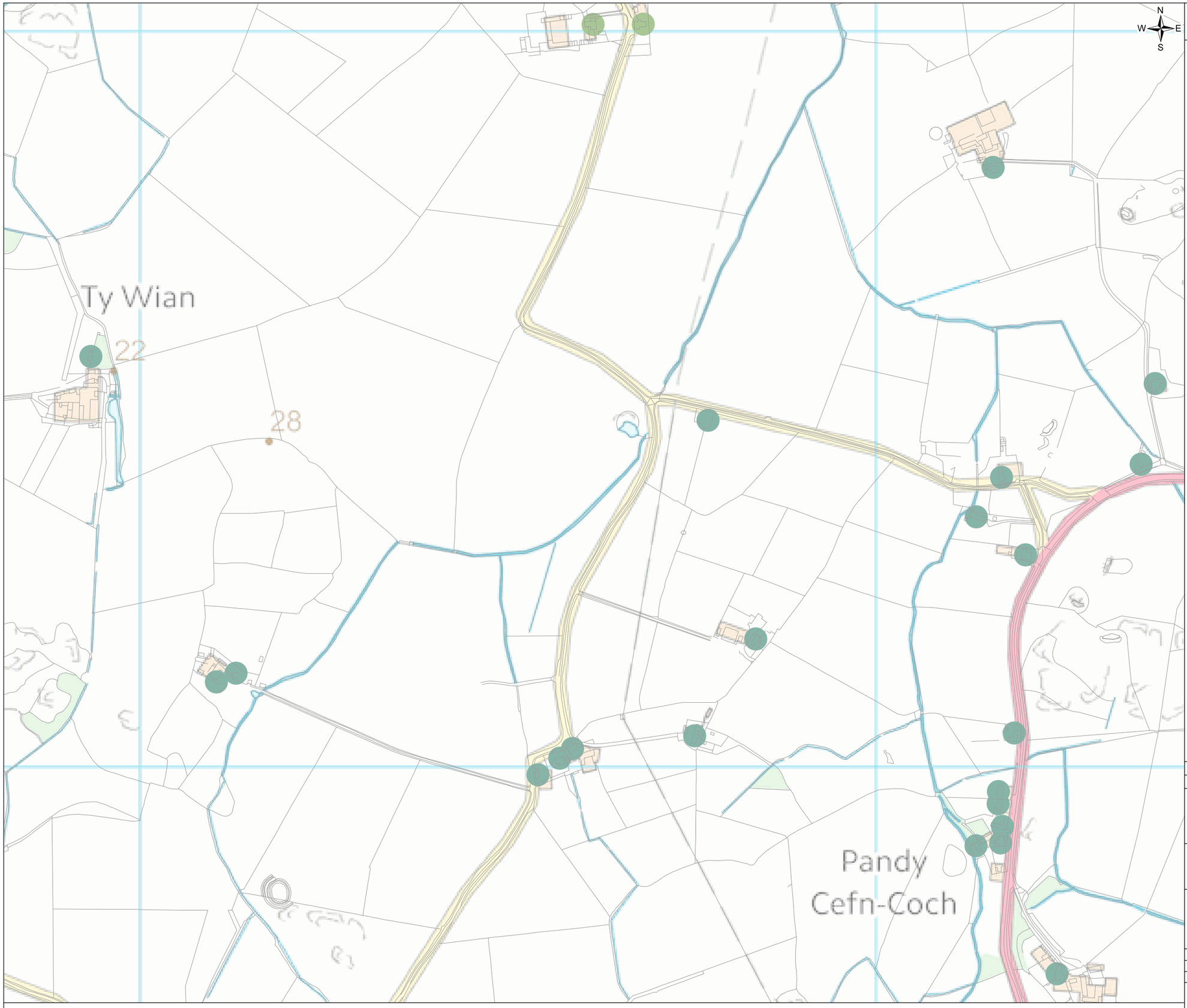
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

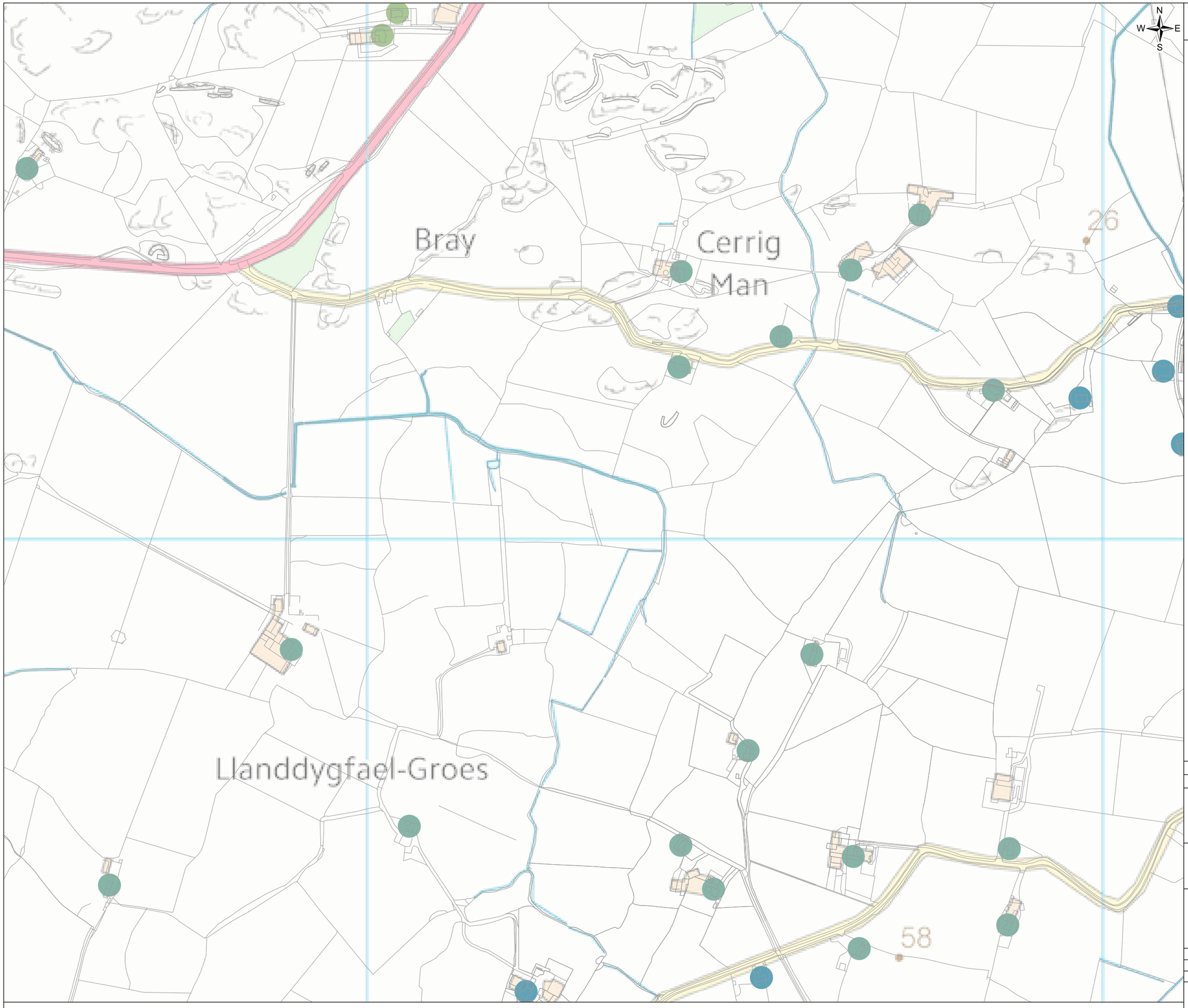
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

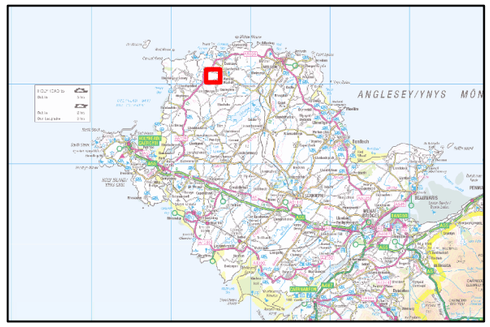
FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (EVENING)

SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

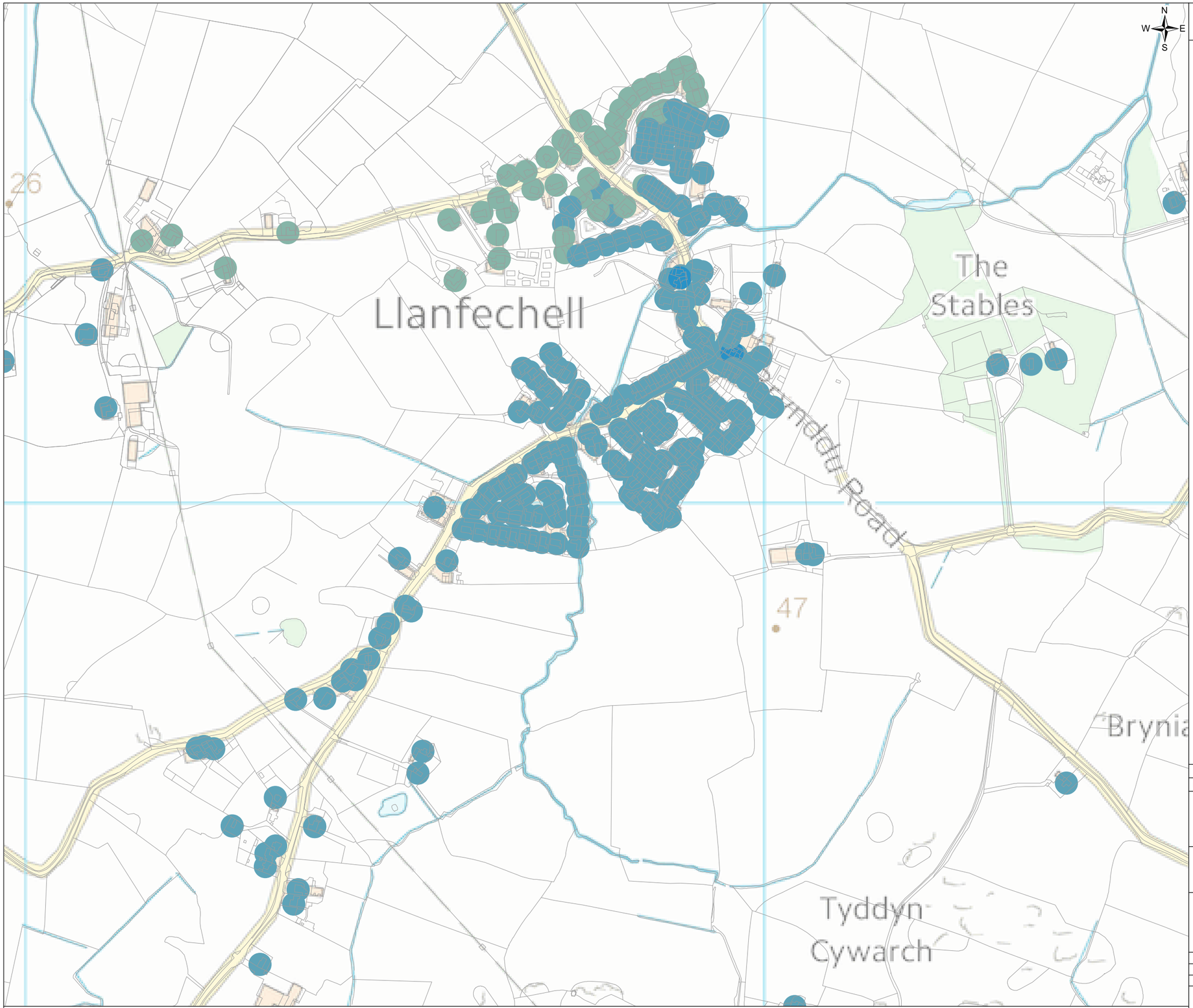
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

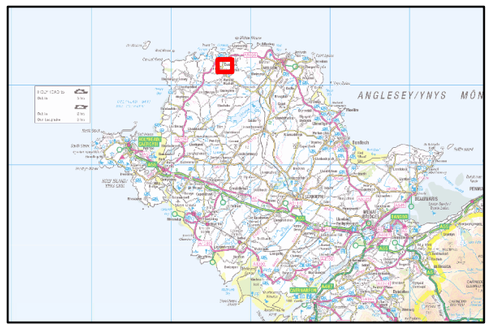
0 125 250 500 metres

FIGURE 11

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11

Llanfairynghornwy

Waen-Lydan

Mynydd-y-Garn

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

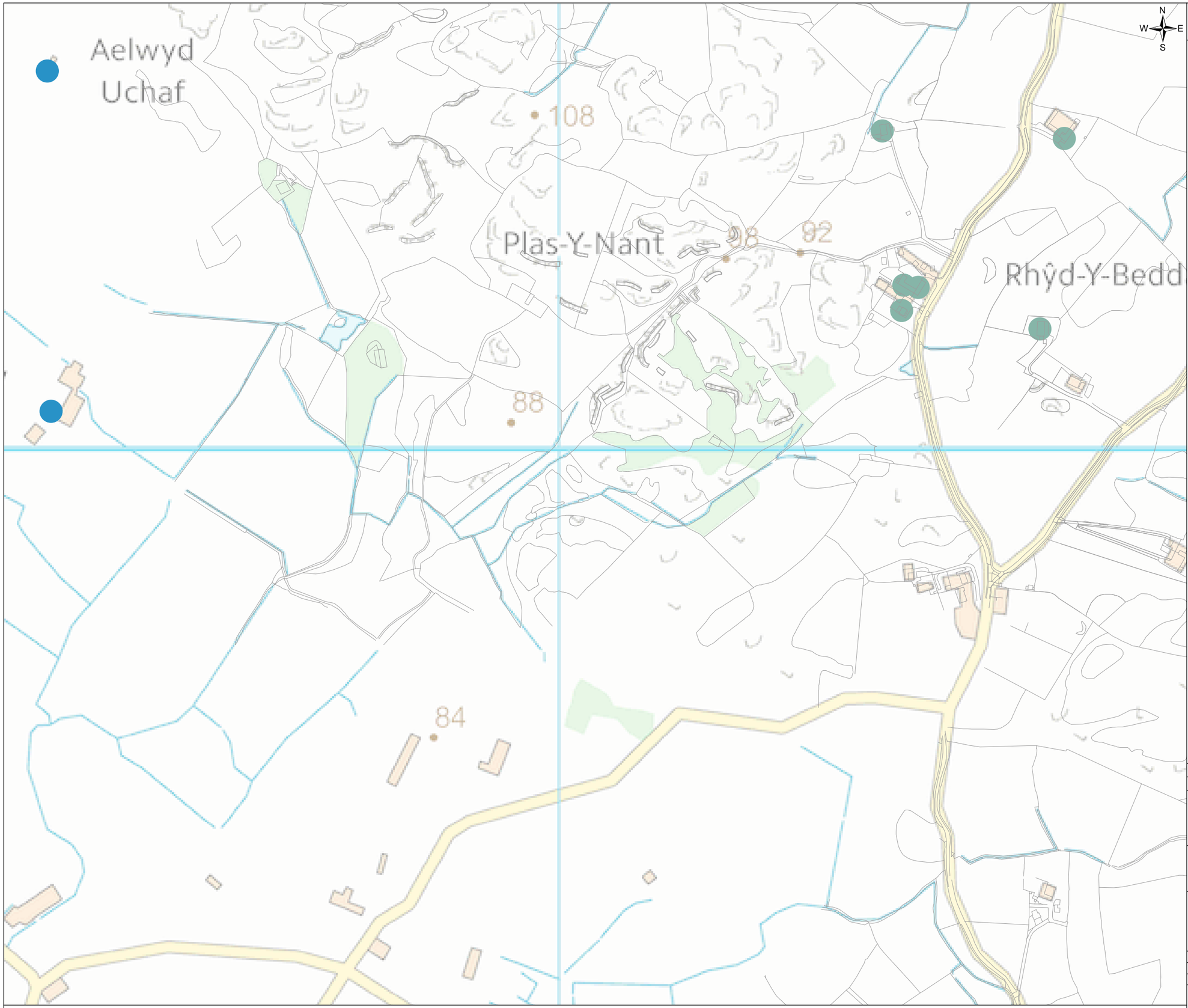
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

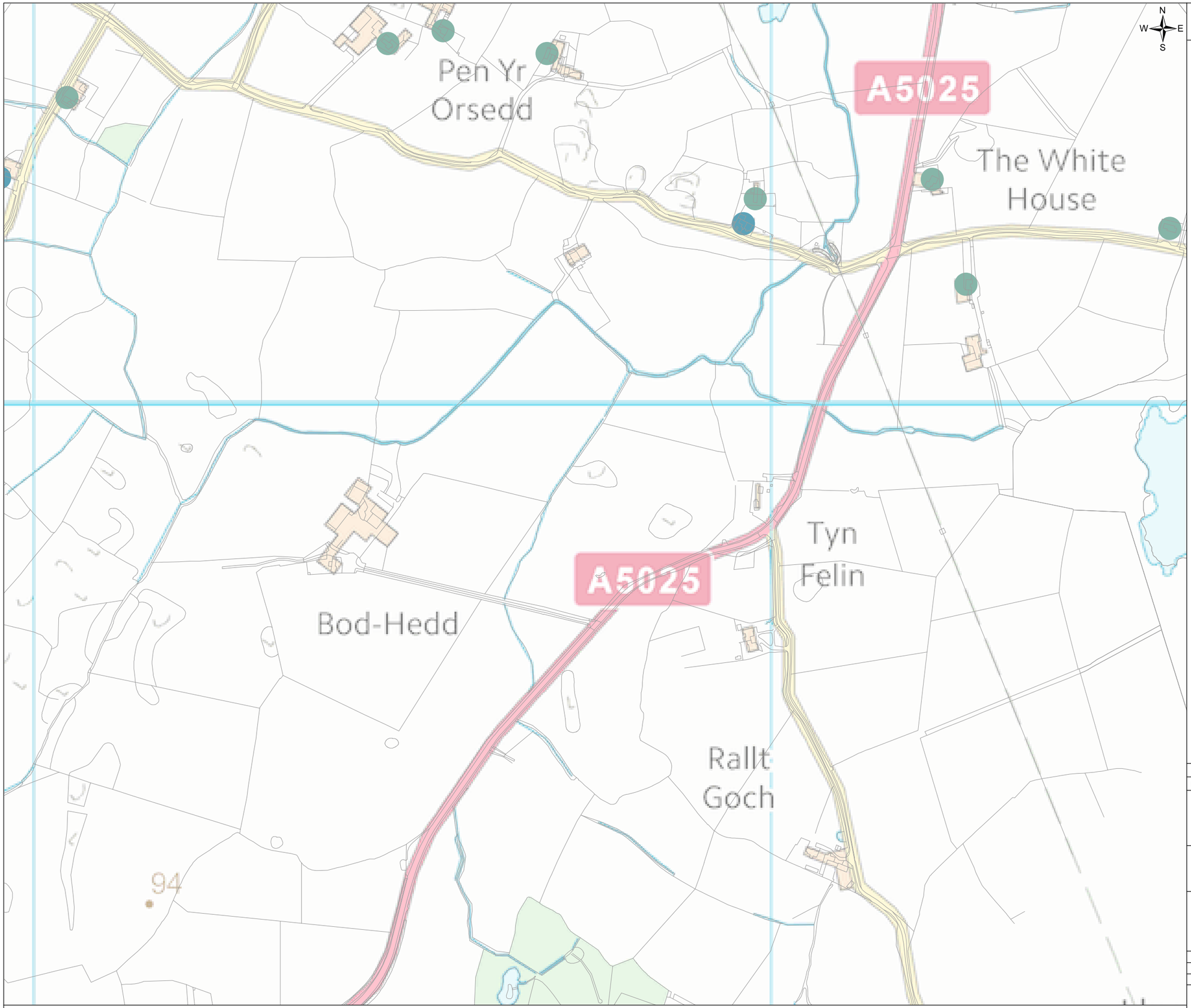
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

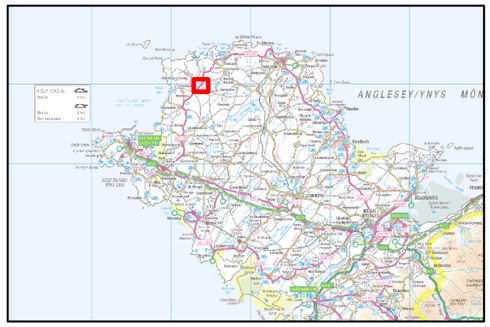
FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

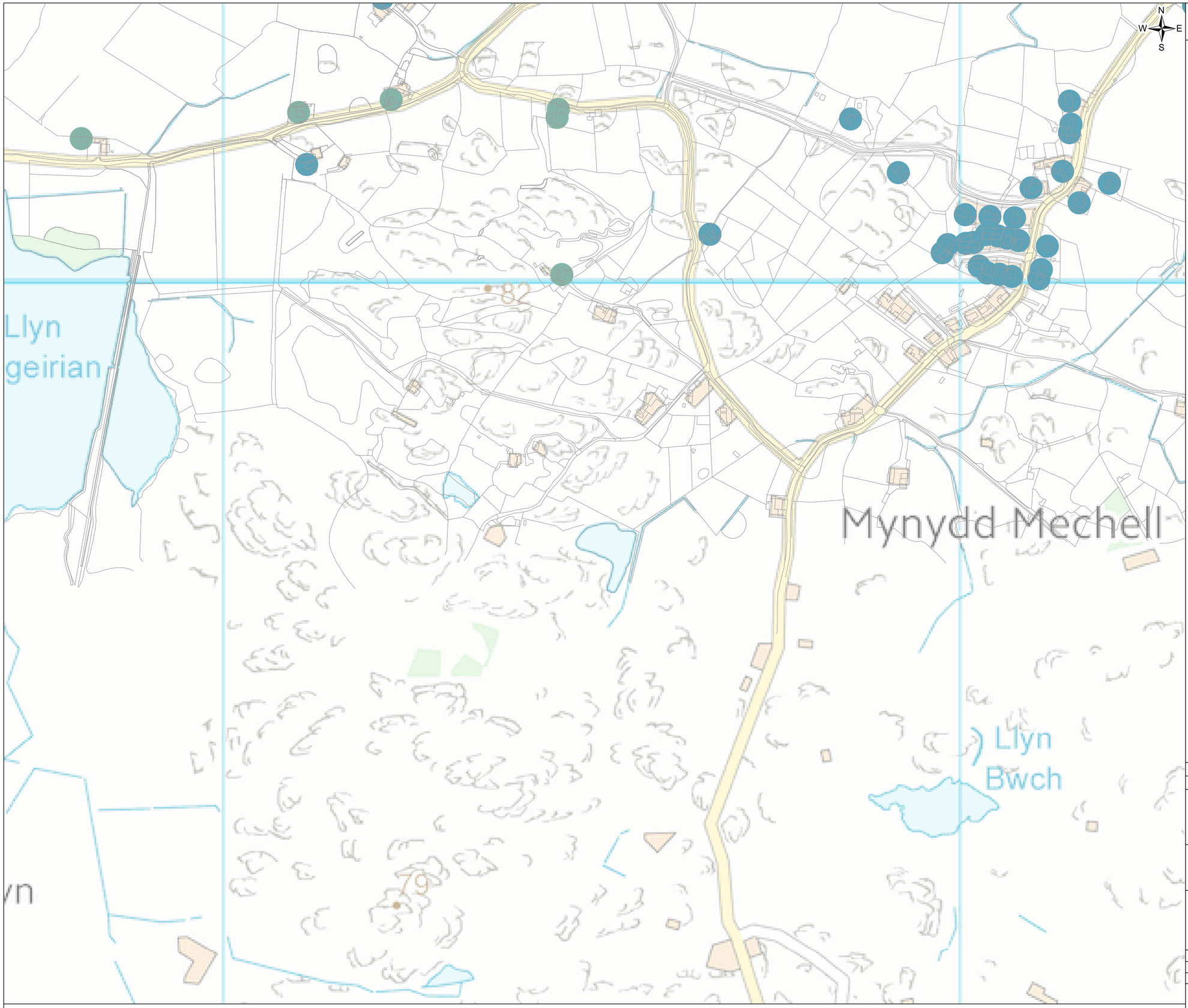
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

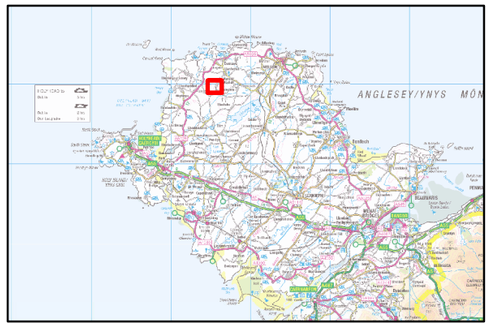
FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

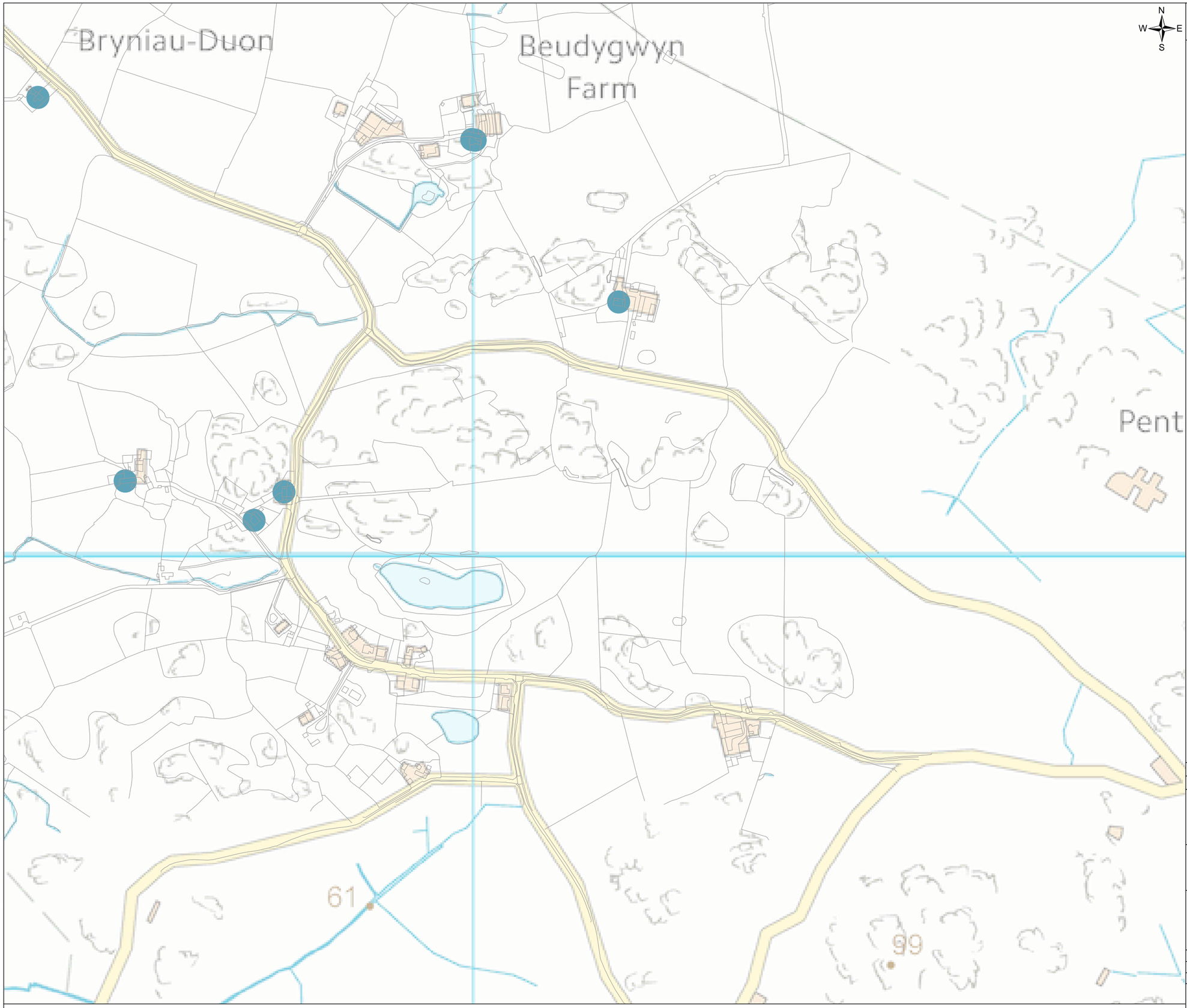


FIGURE 11

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

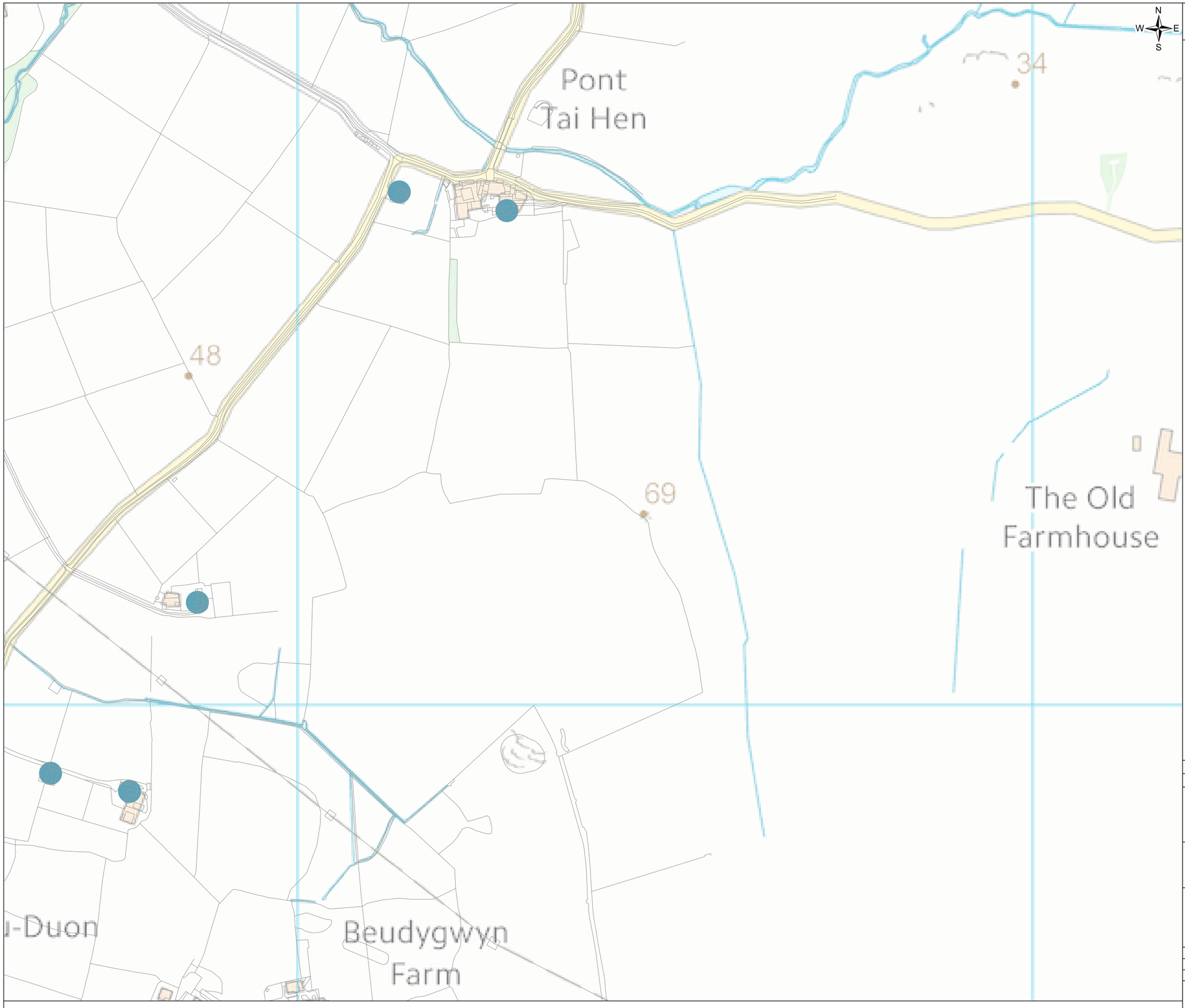
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

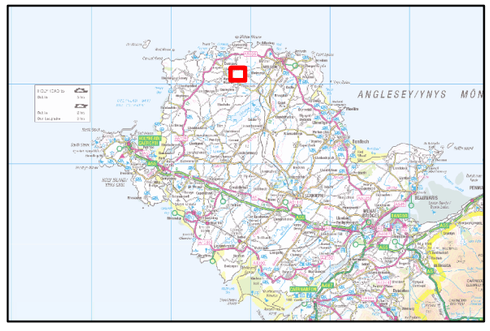
FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

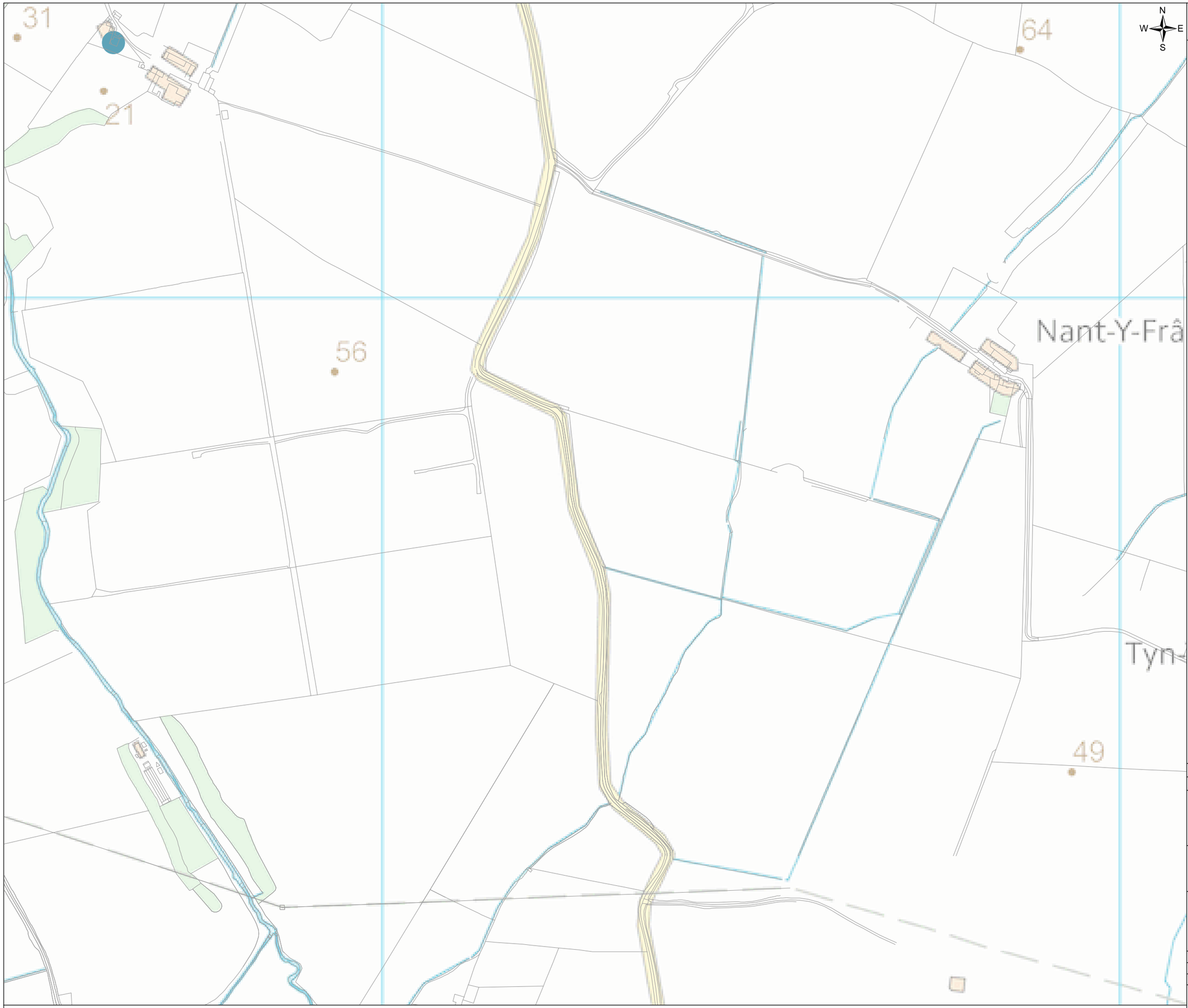
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 11



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

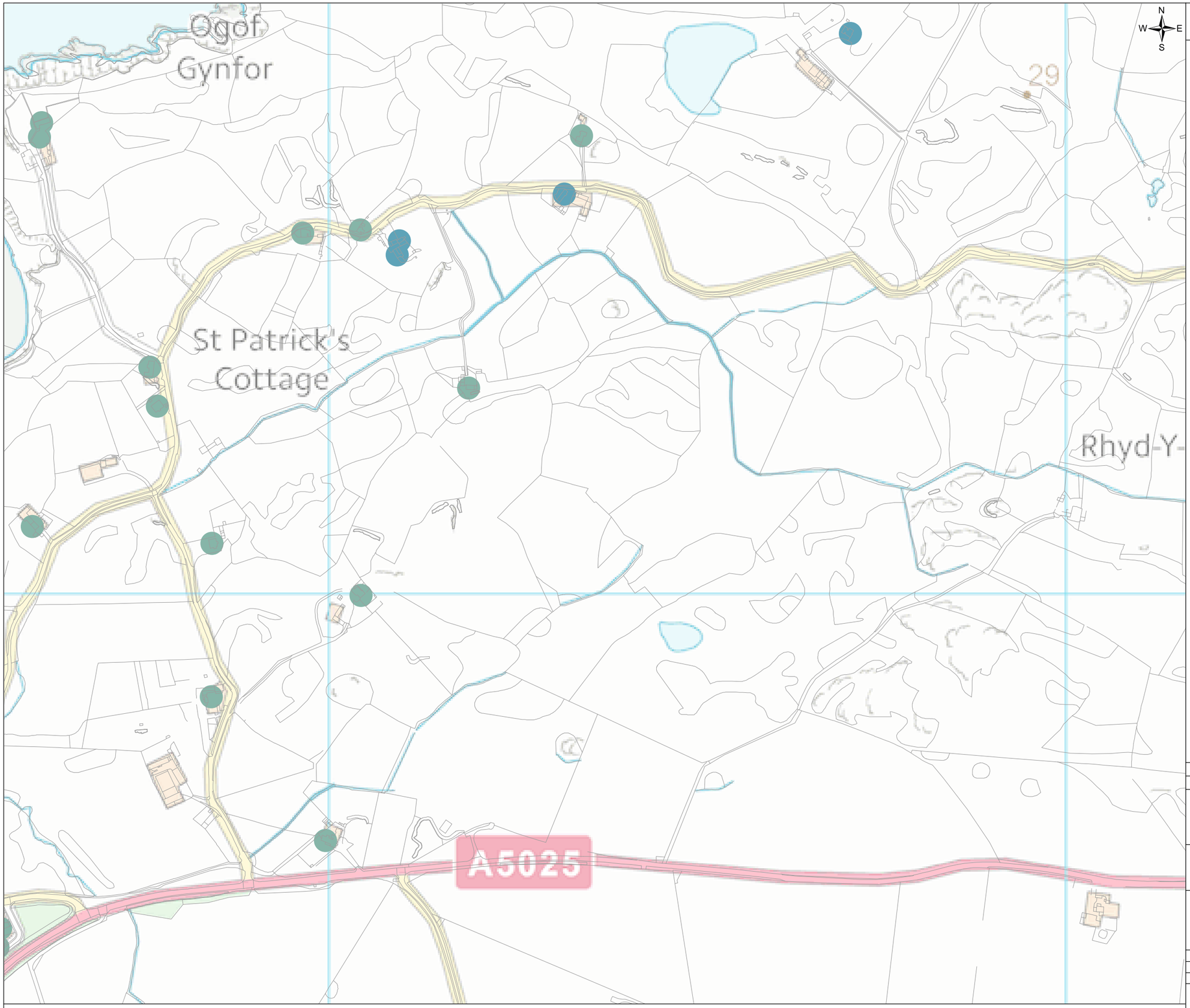


FIGURE 11

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (EVENING)

SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

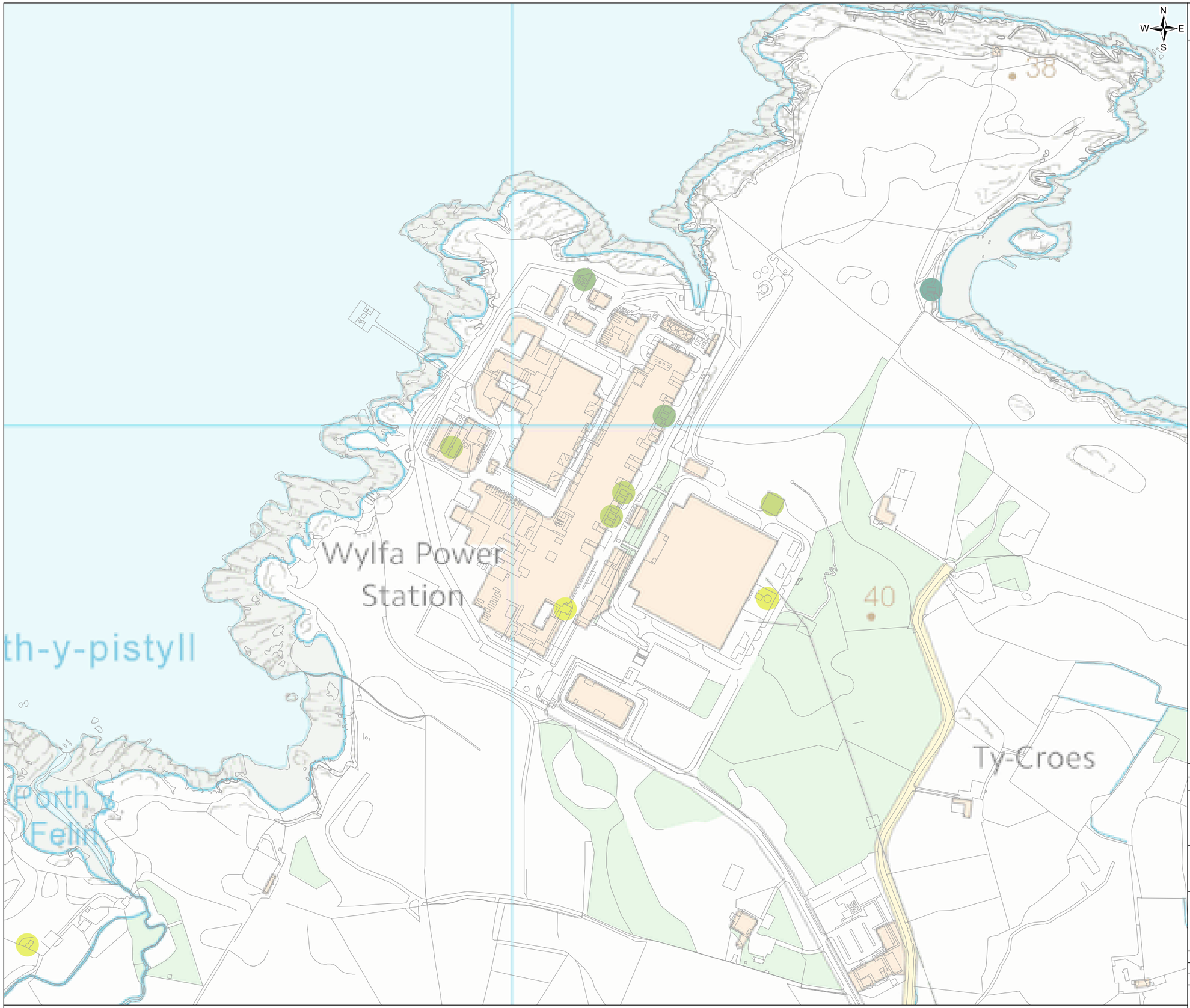
60PO80AS_NOISE_RfNMC_MONTHS31TO33_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

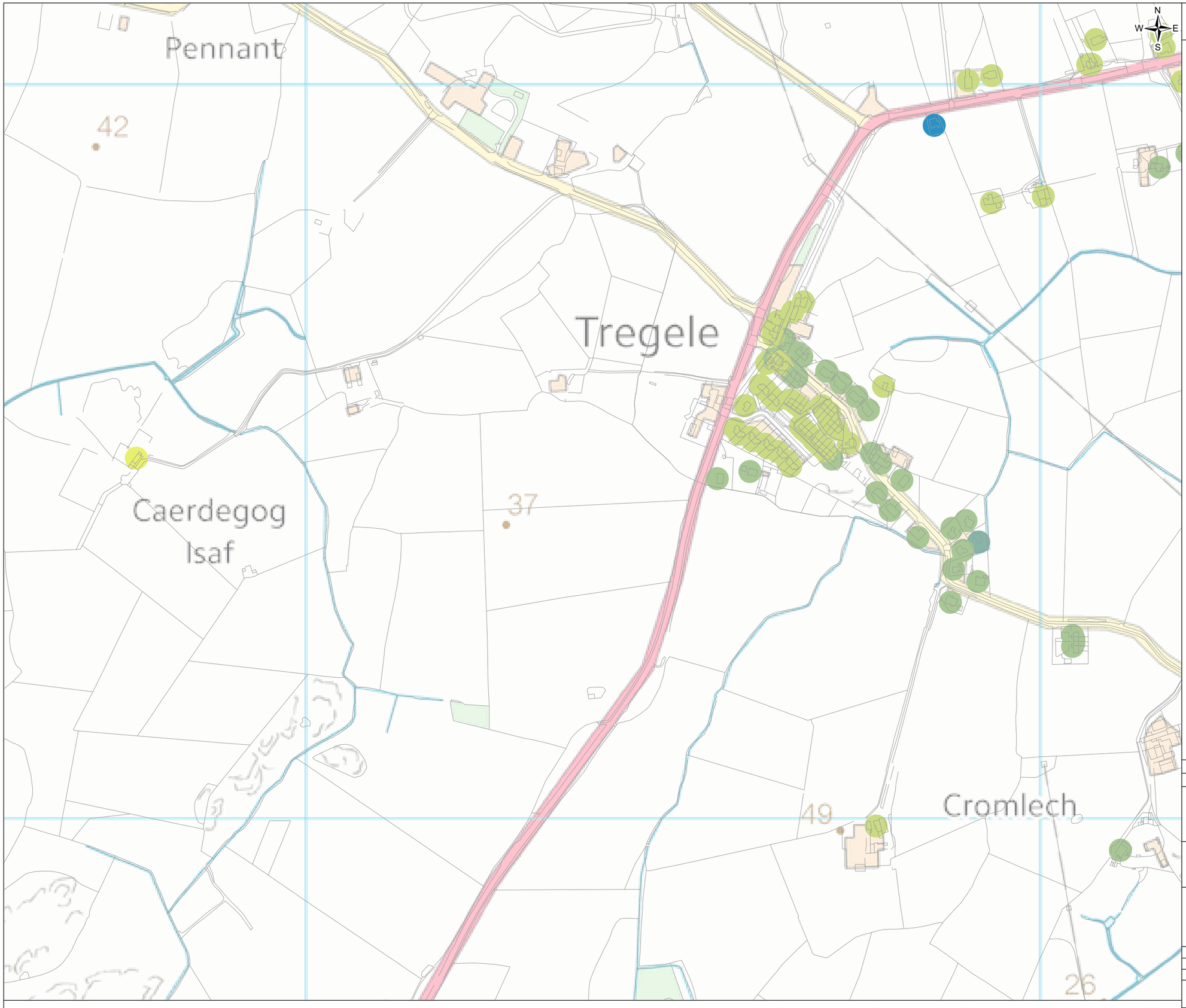
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

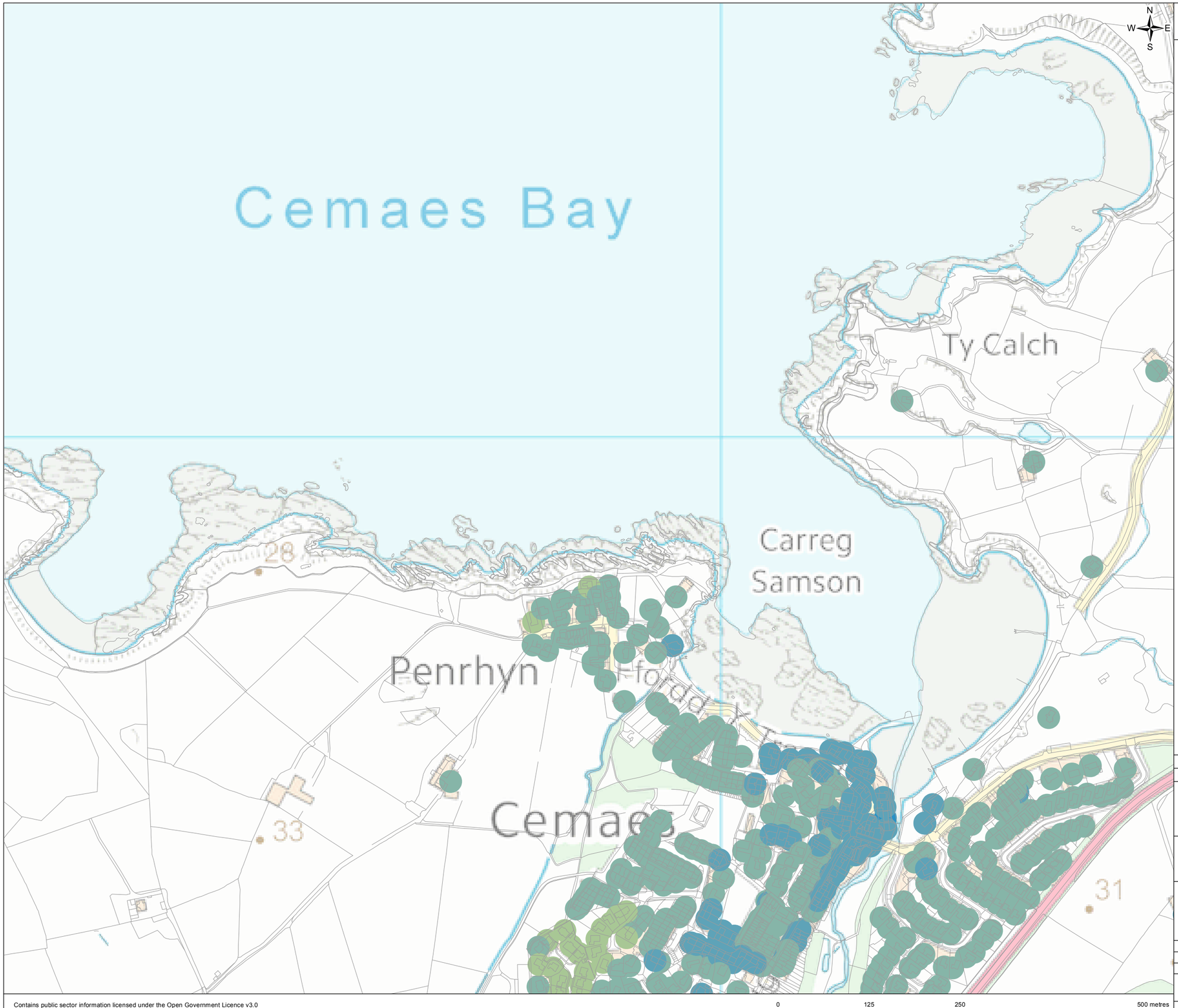
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

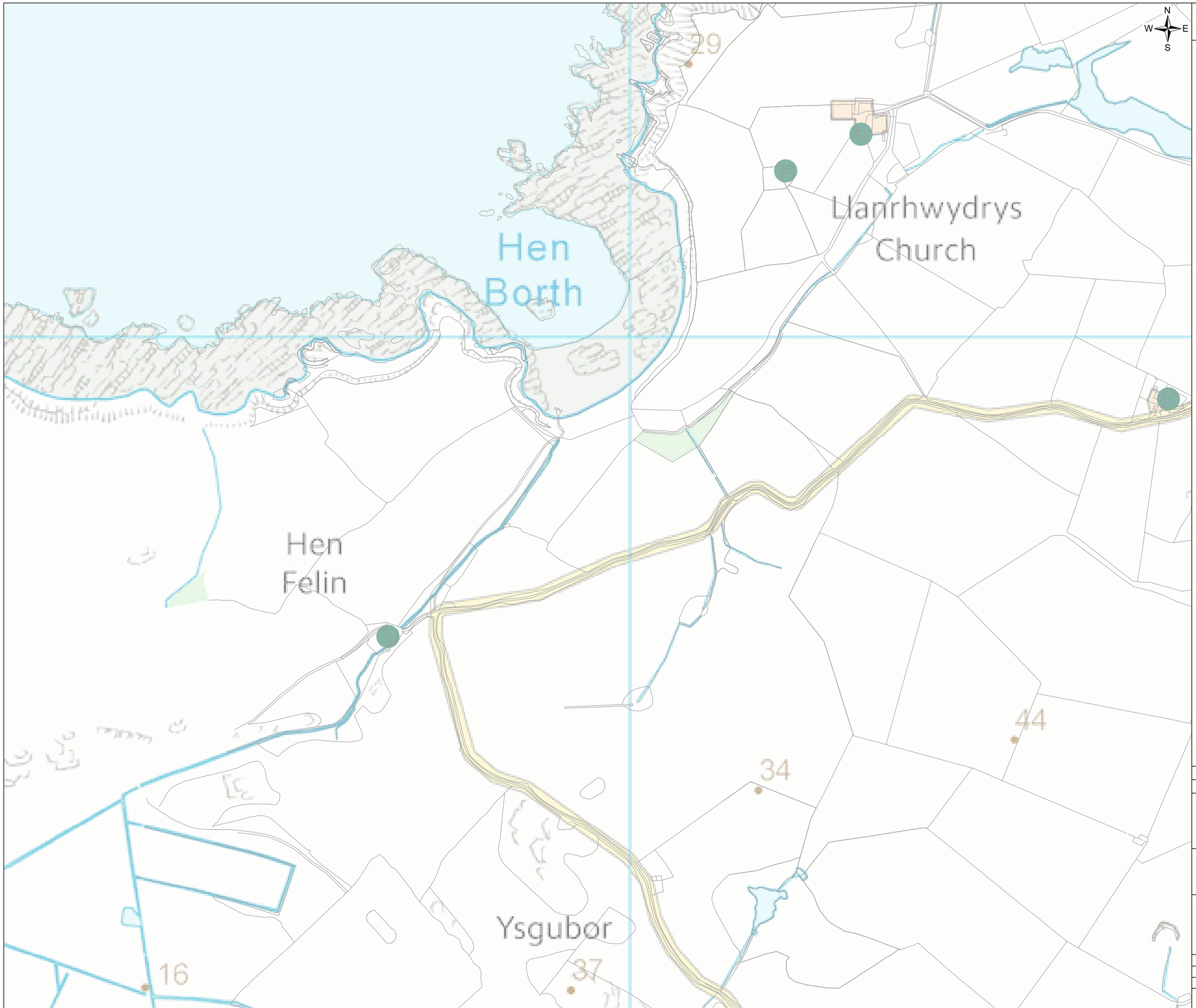
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

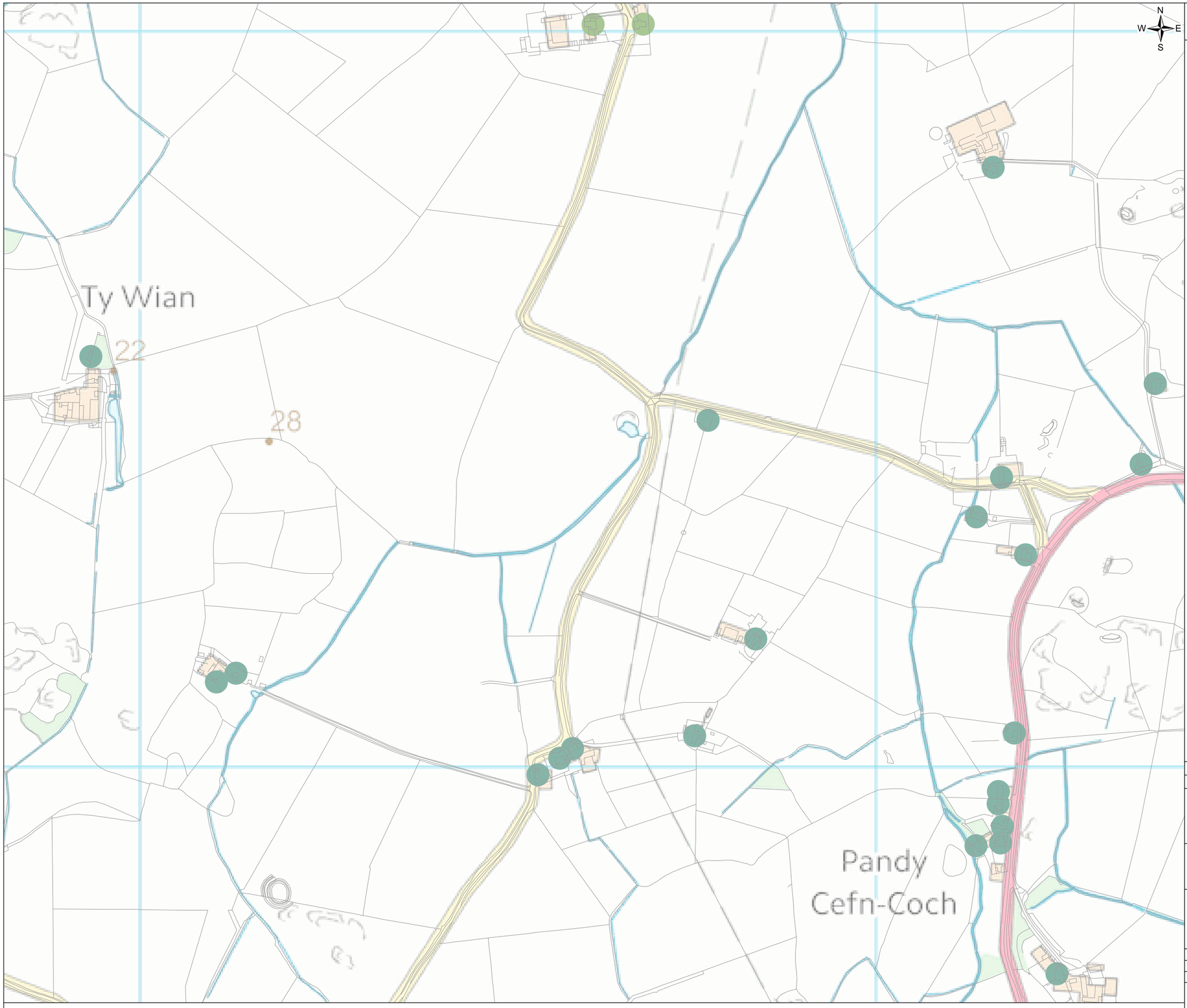
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

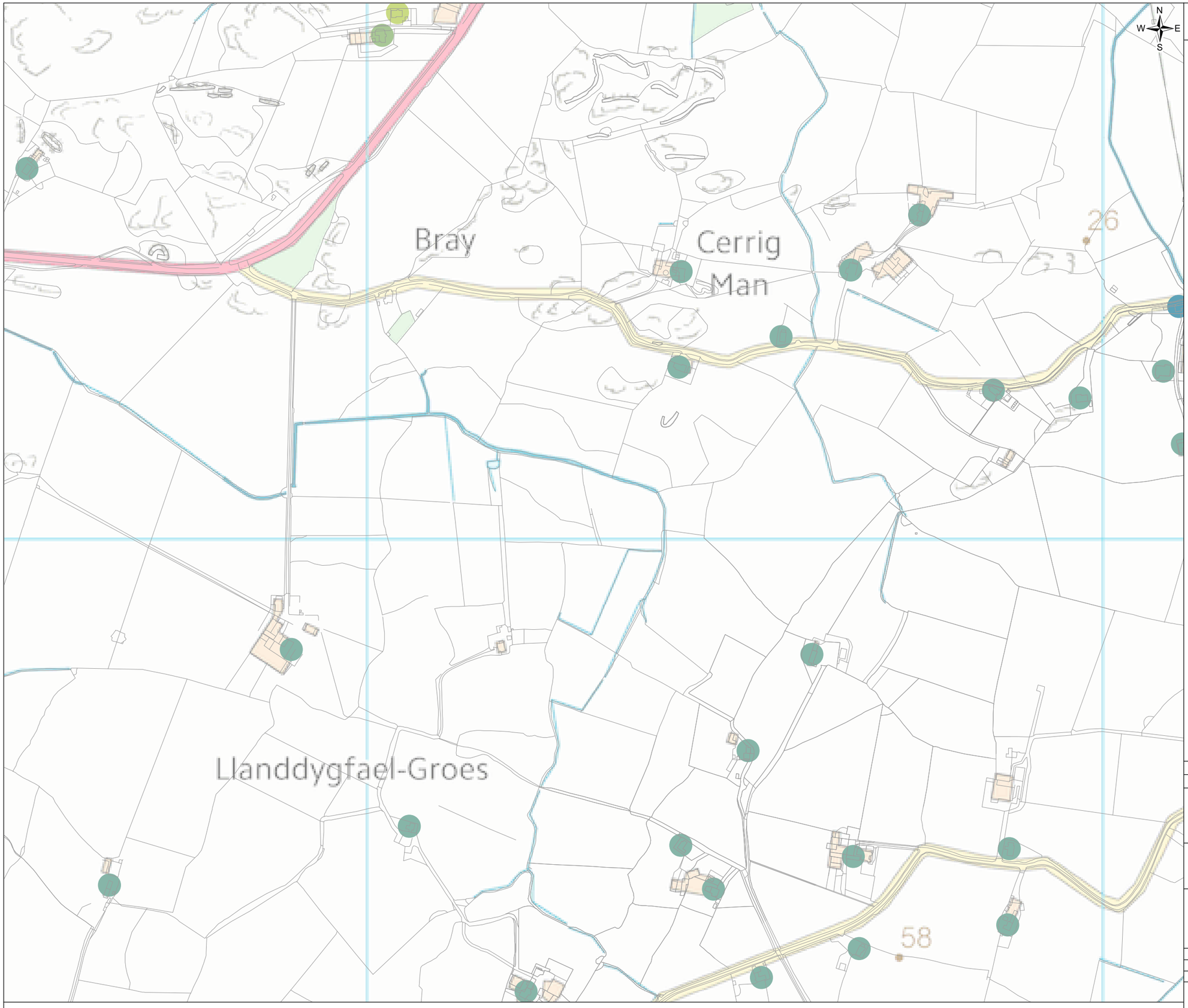
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

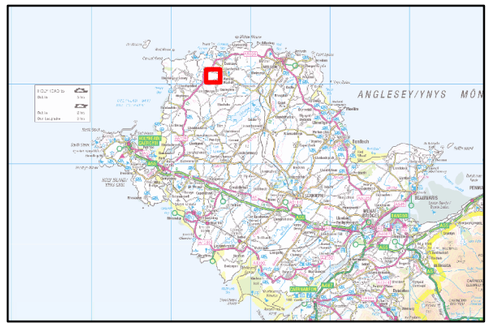
FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

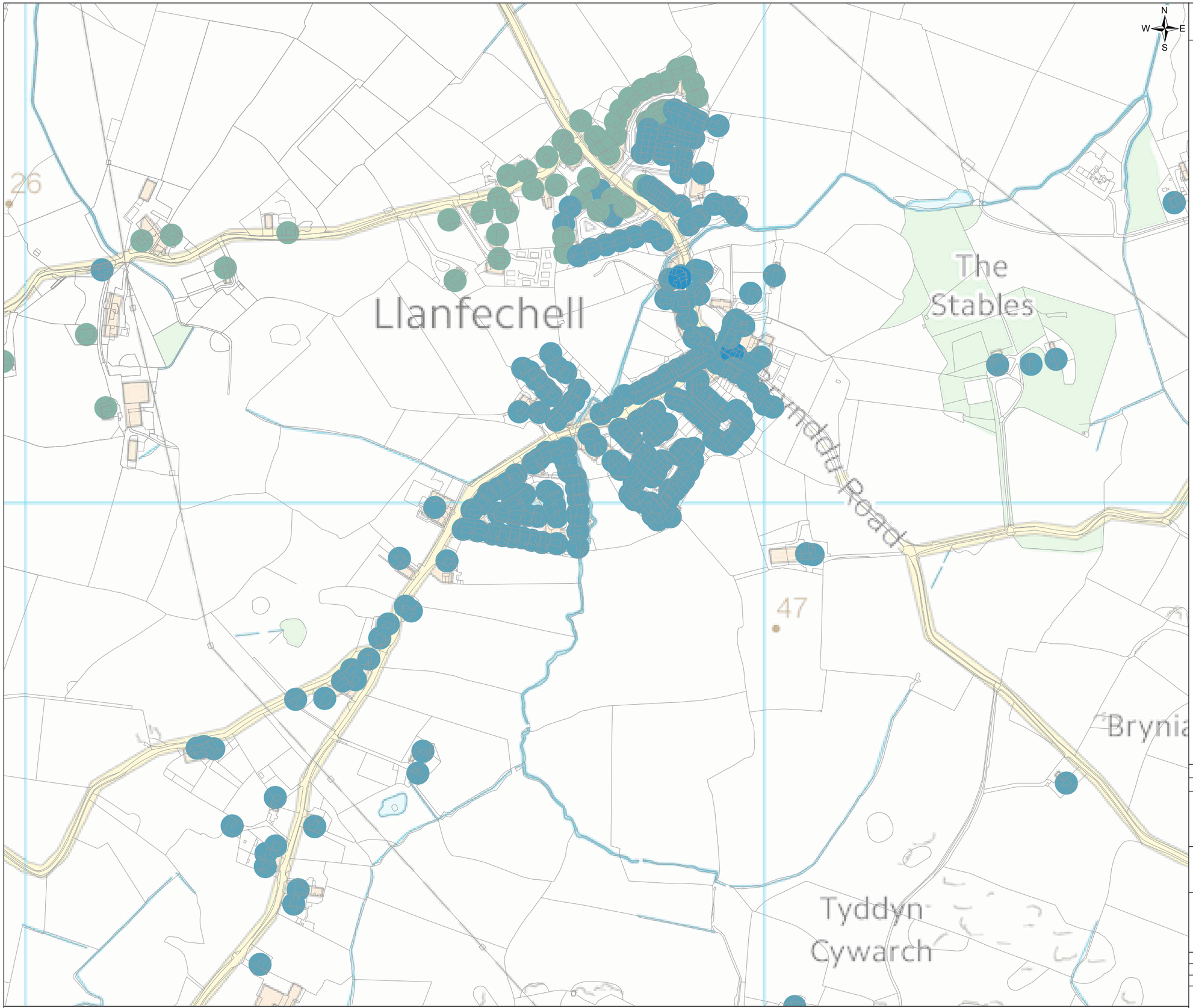
Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

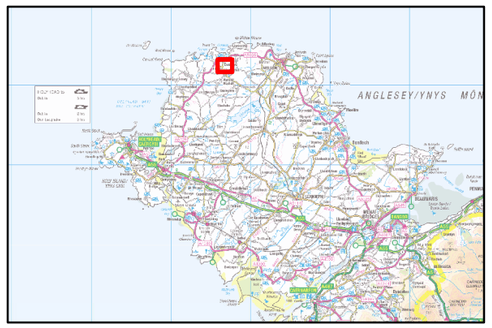
0 125 250 500 metres

FIGURE 12

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

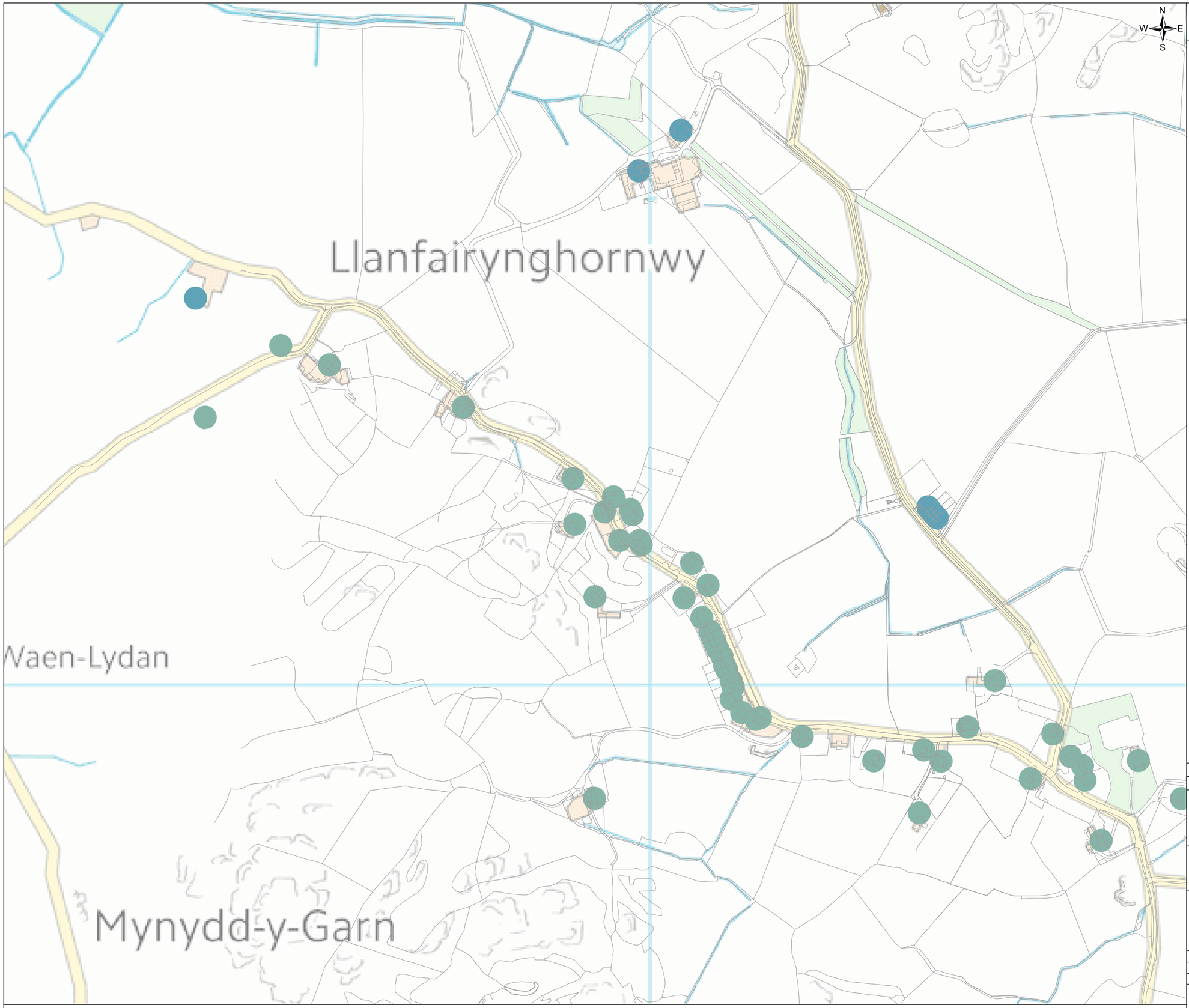
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

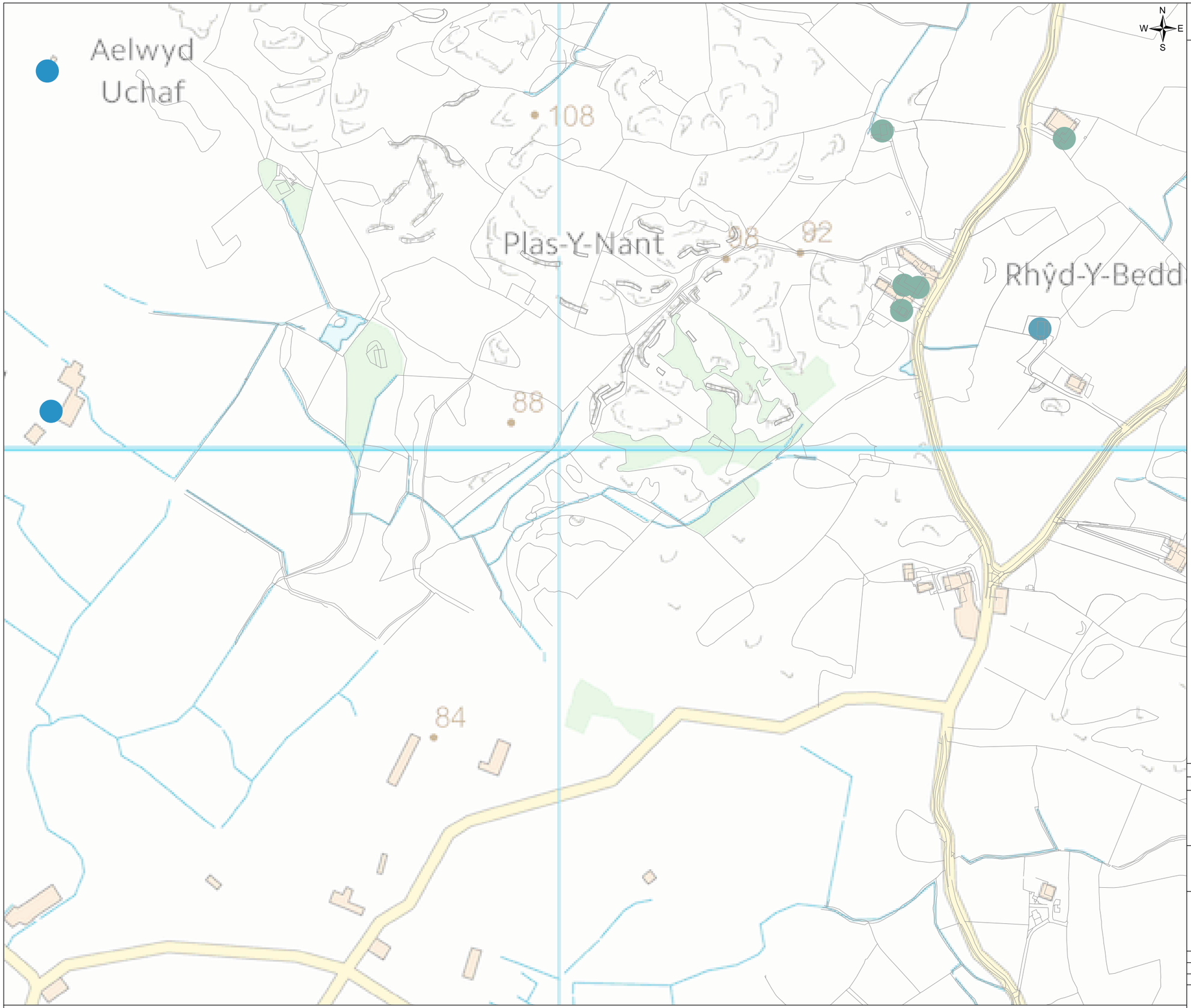
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

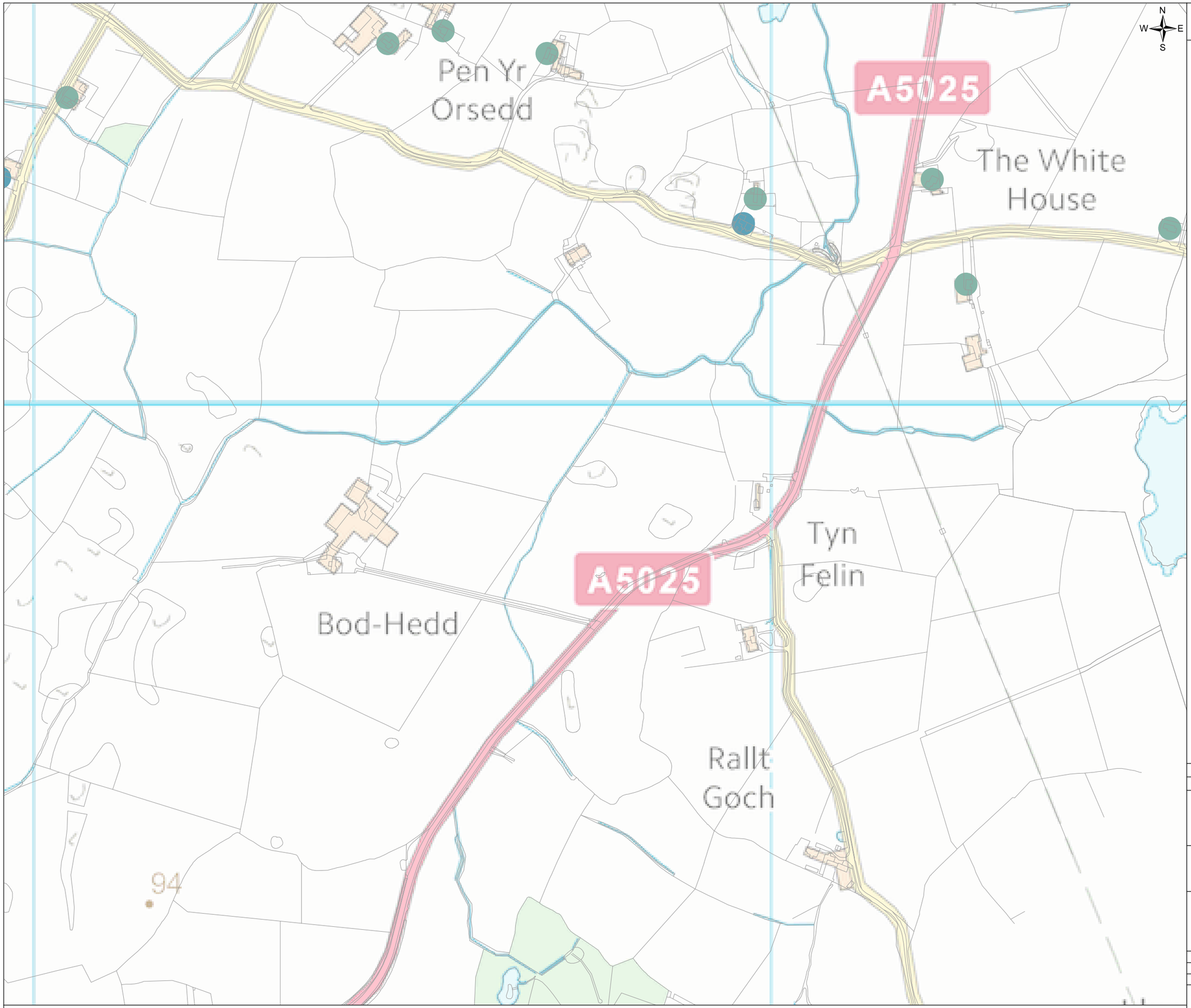
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

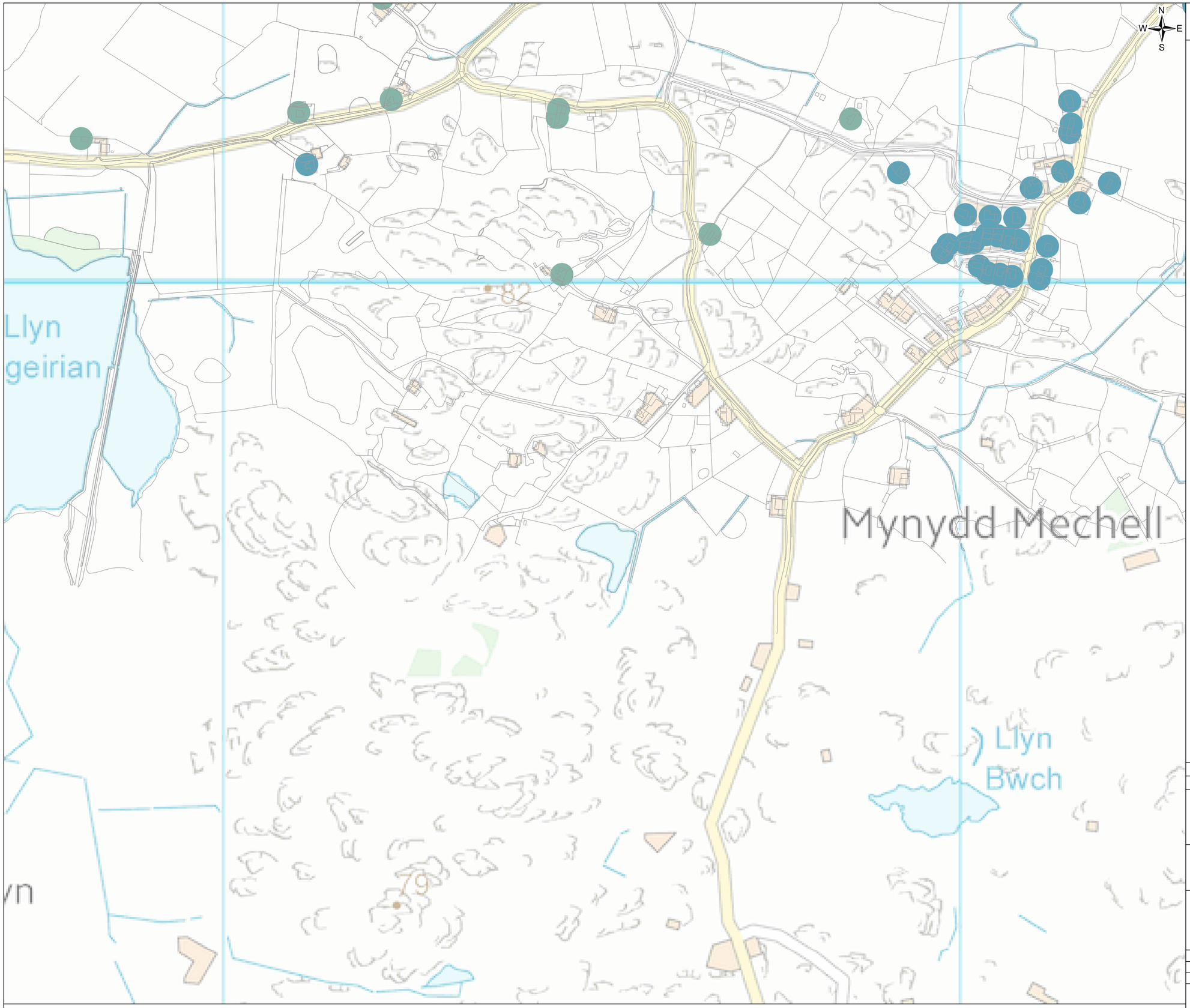
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

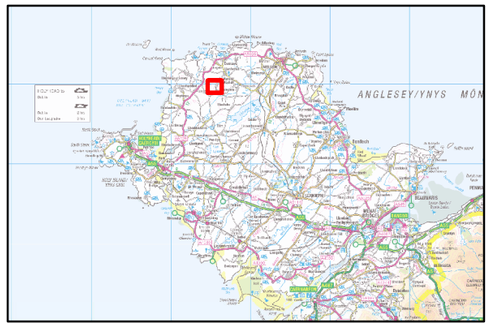
FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

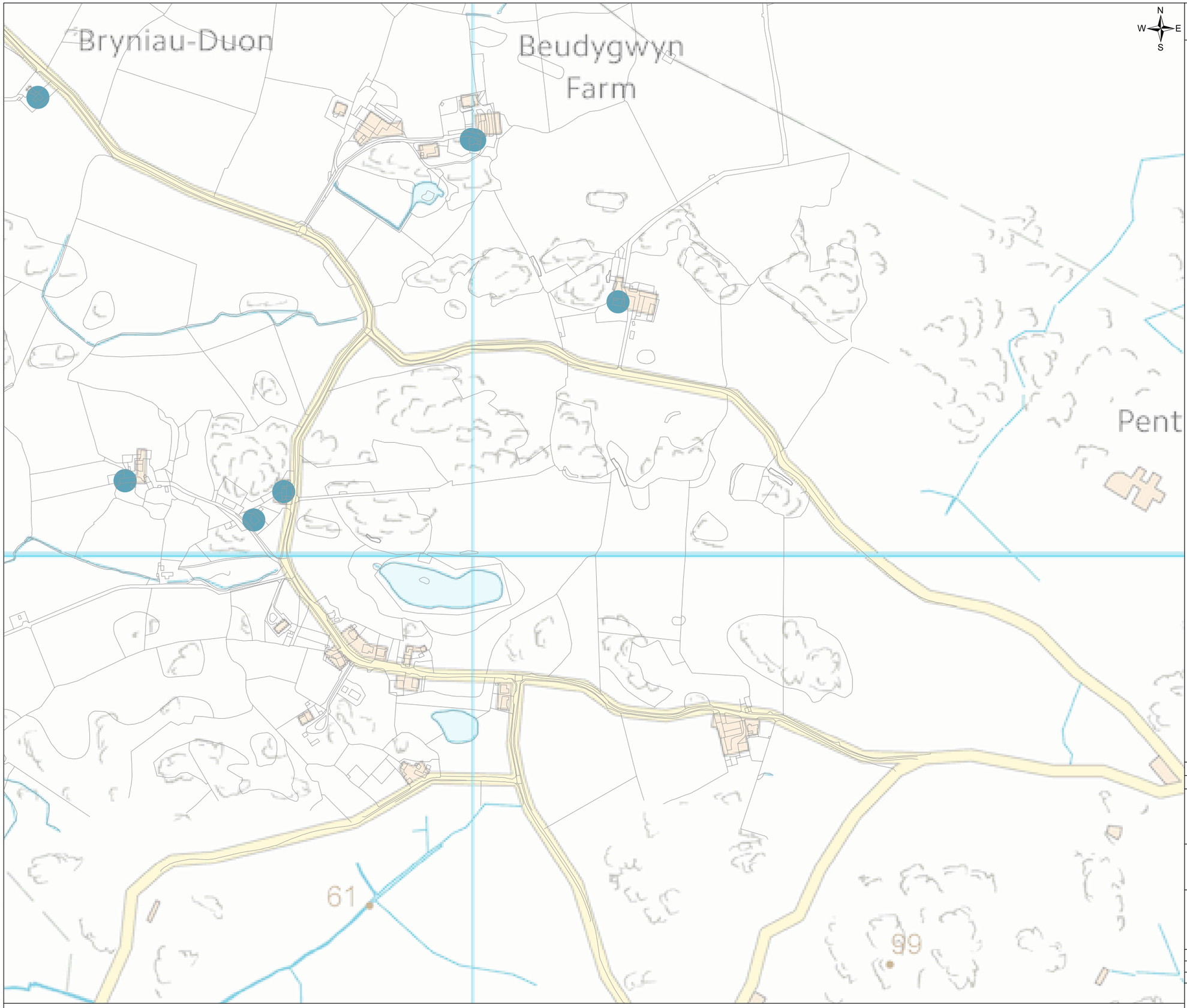


FIGURE 12

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

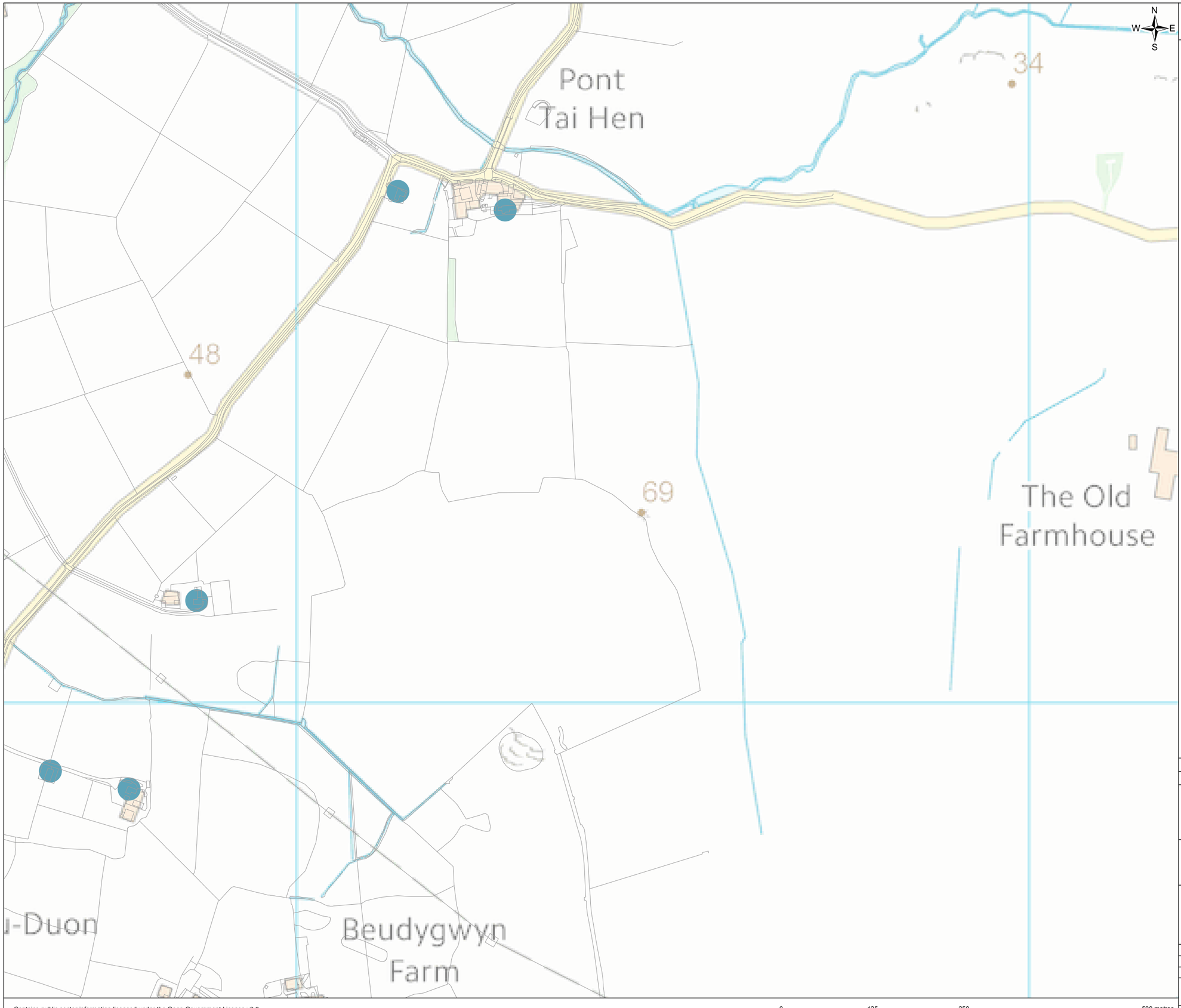
60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 12



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

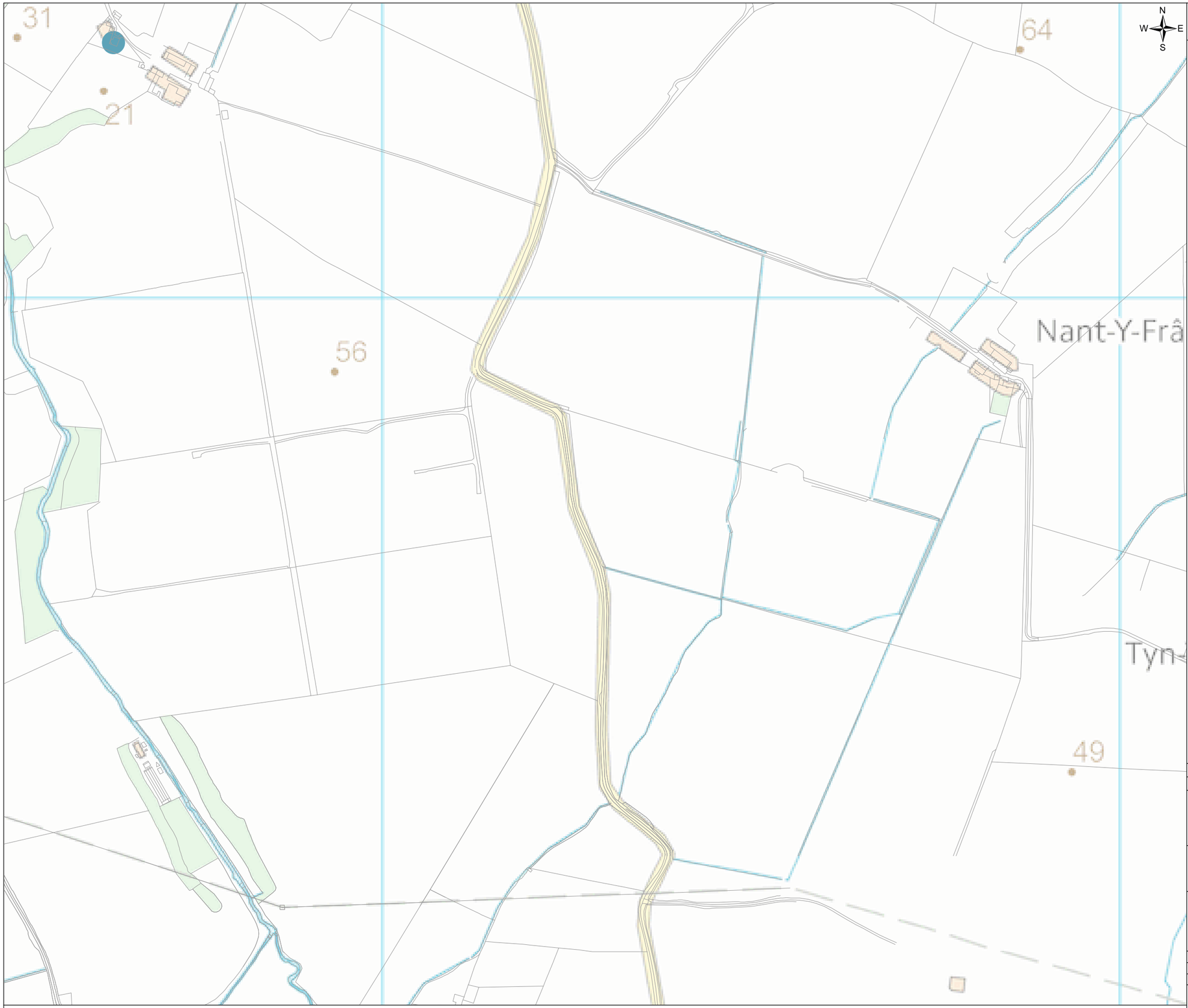


FIGURE 12

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

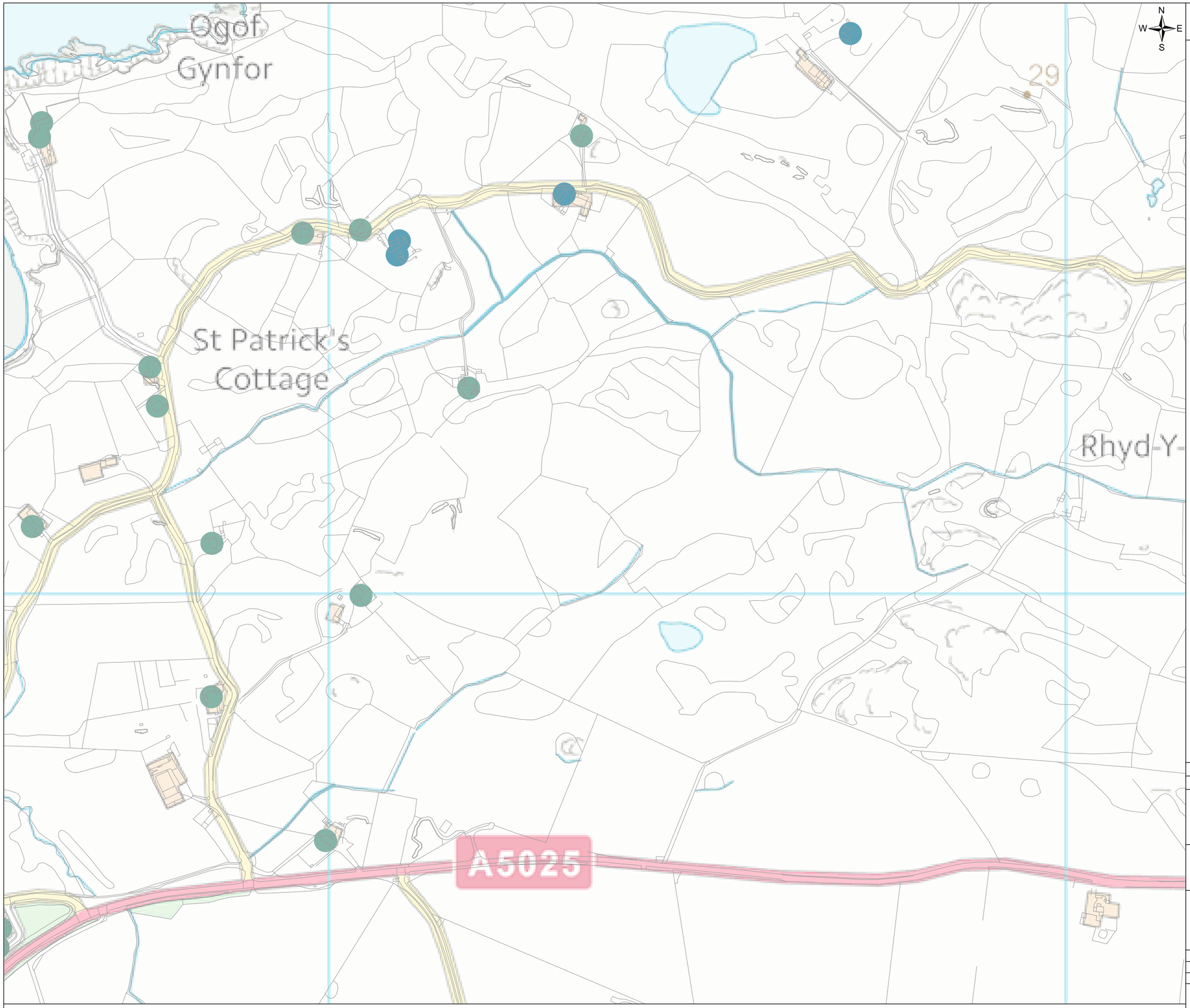


FIGURE 12

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 -70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 31 TO 33 (NIGHT-TIME)

SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS31TO33_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

FIGURE 13

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

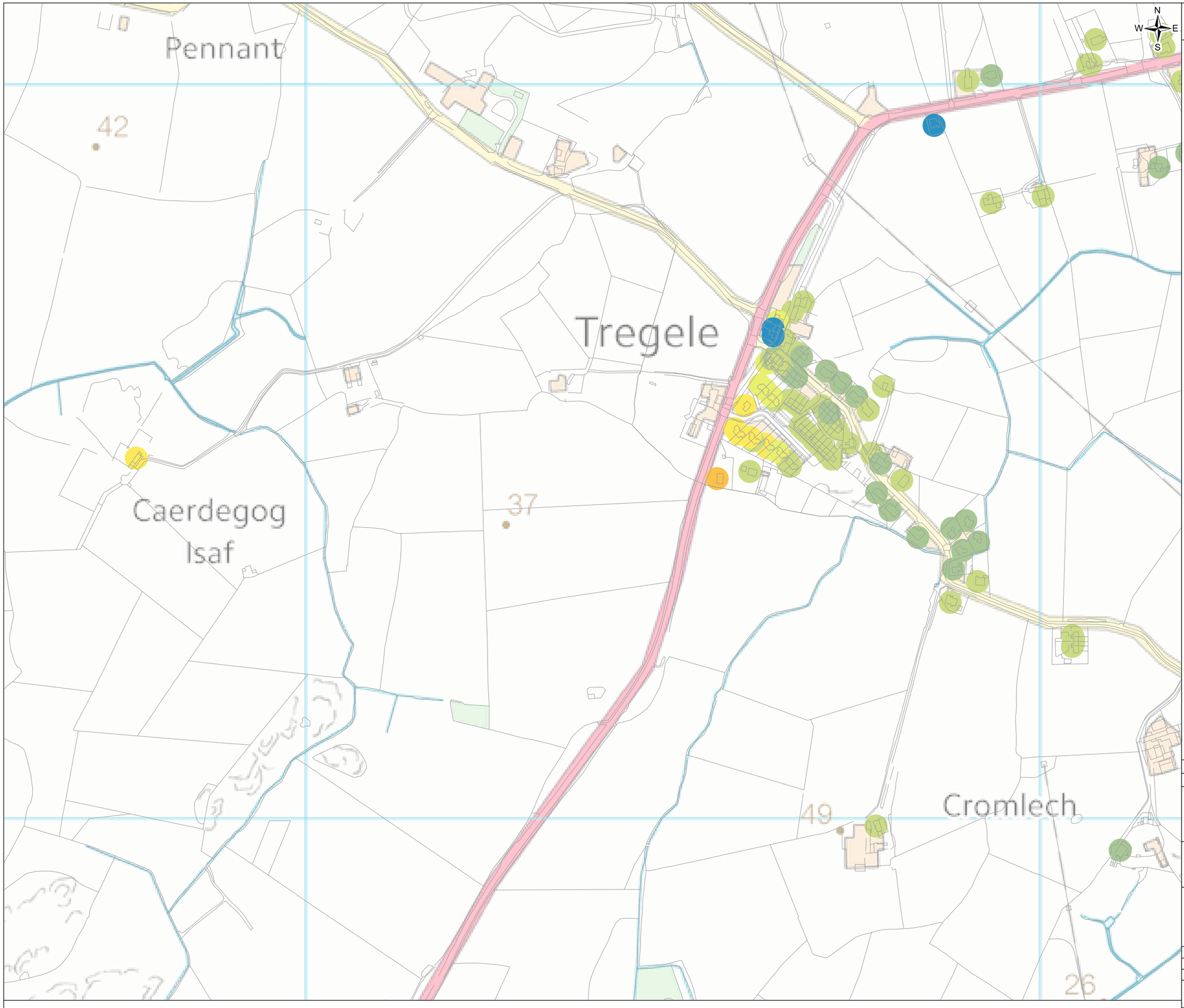
60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (DAYTIME)

SHEET 3 OF 17

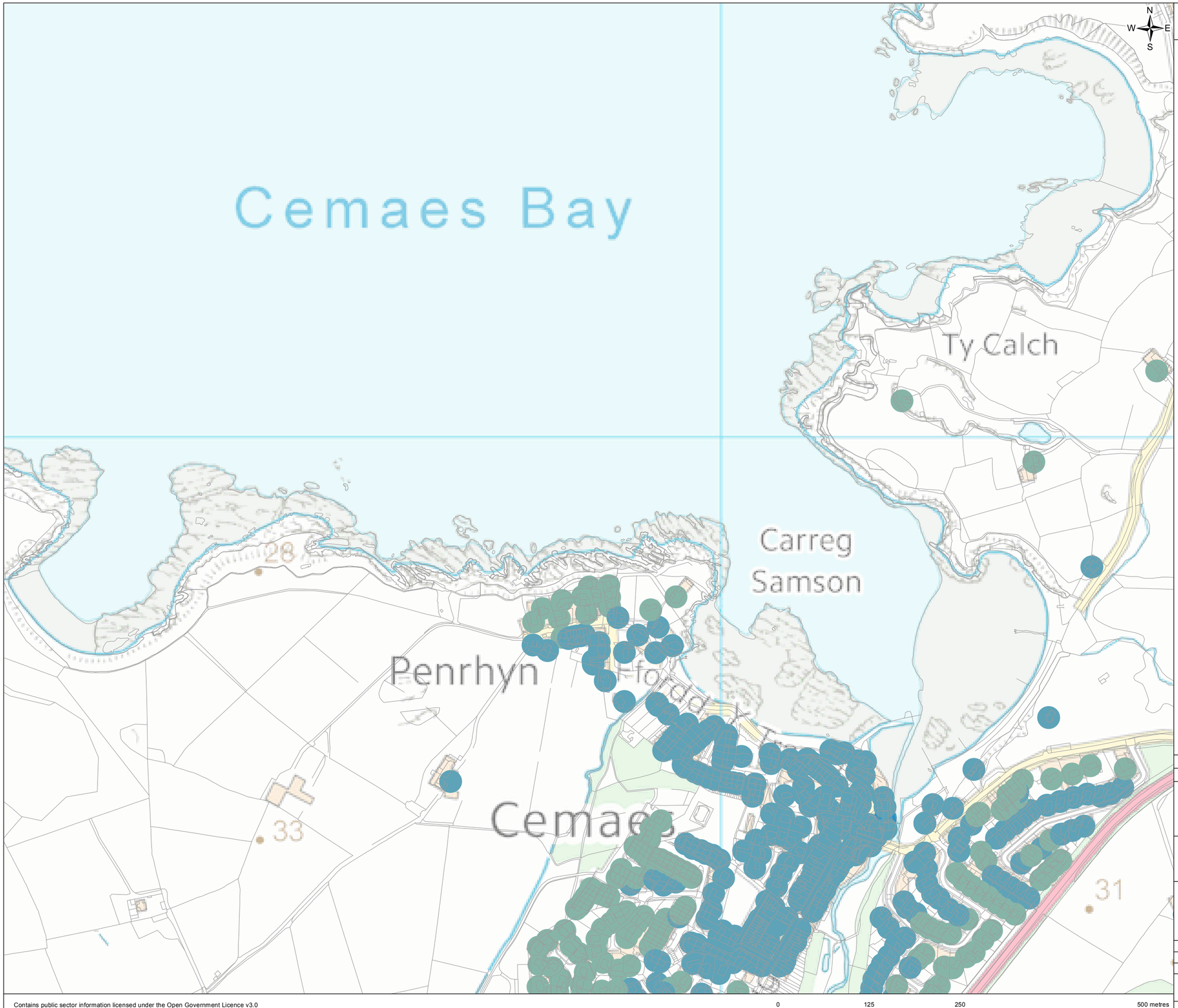
Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

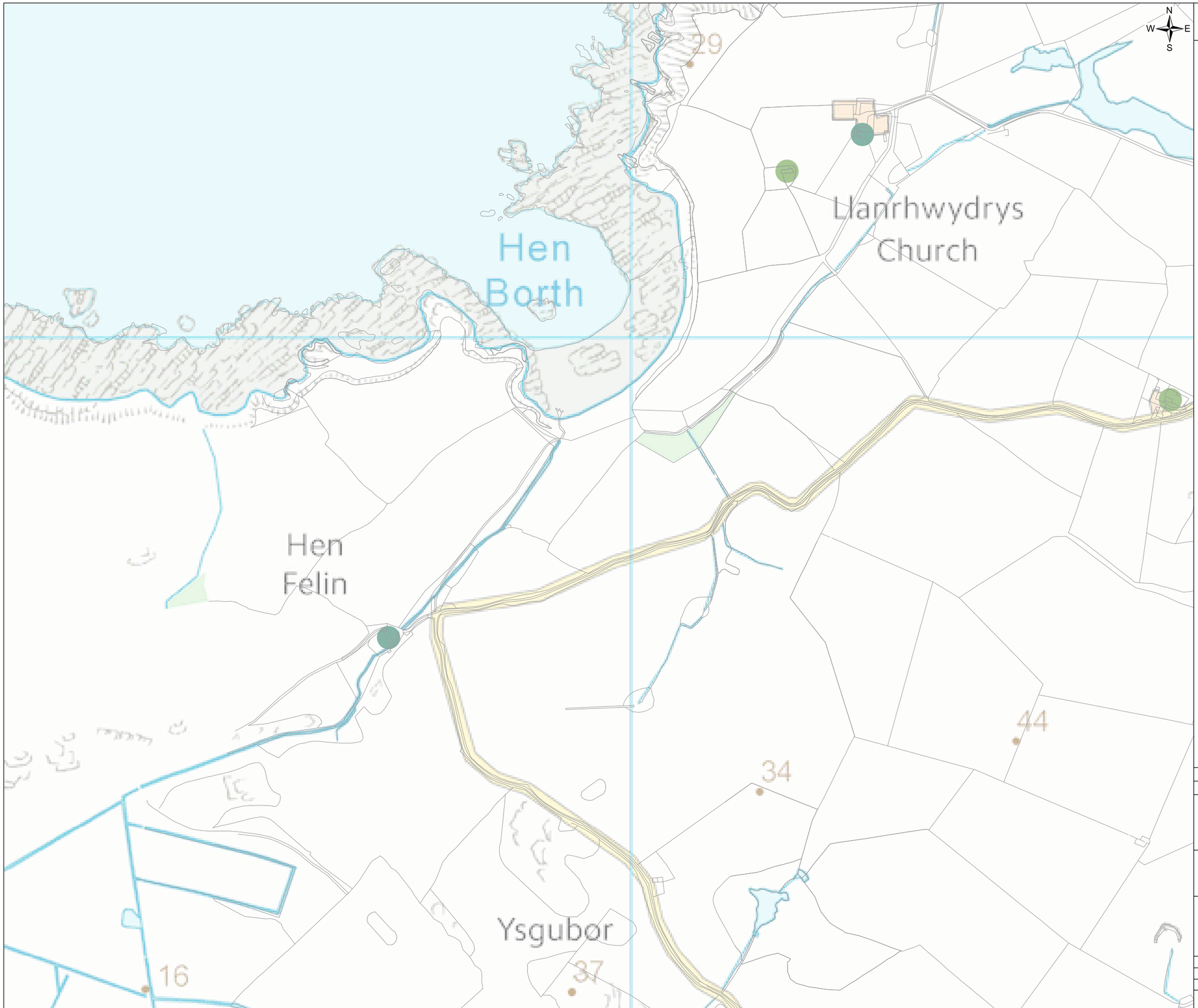
60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (DAYTIME)

SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

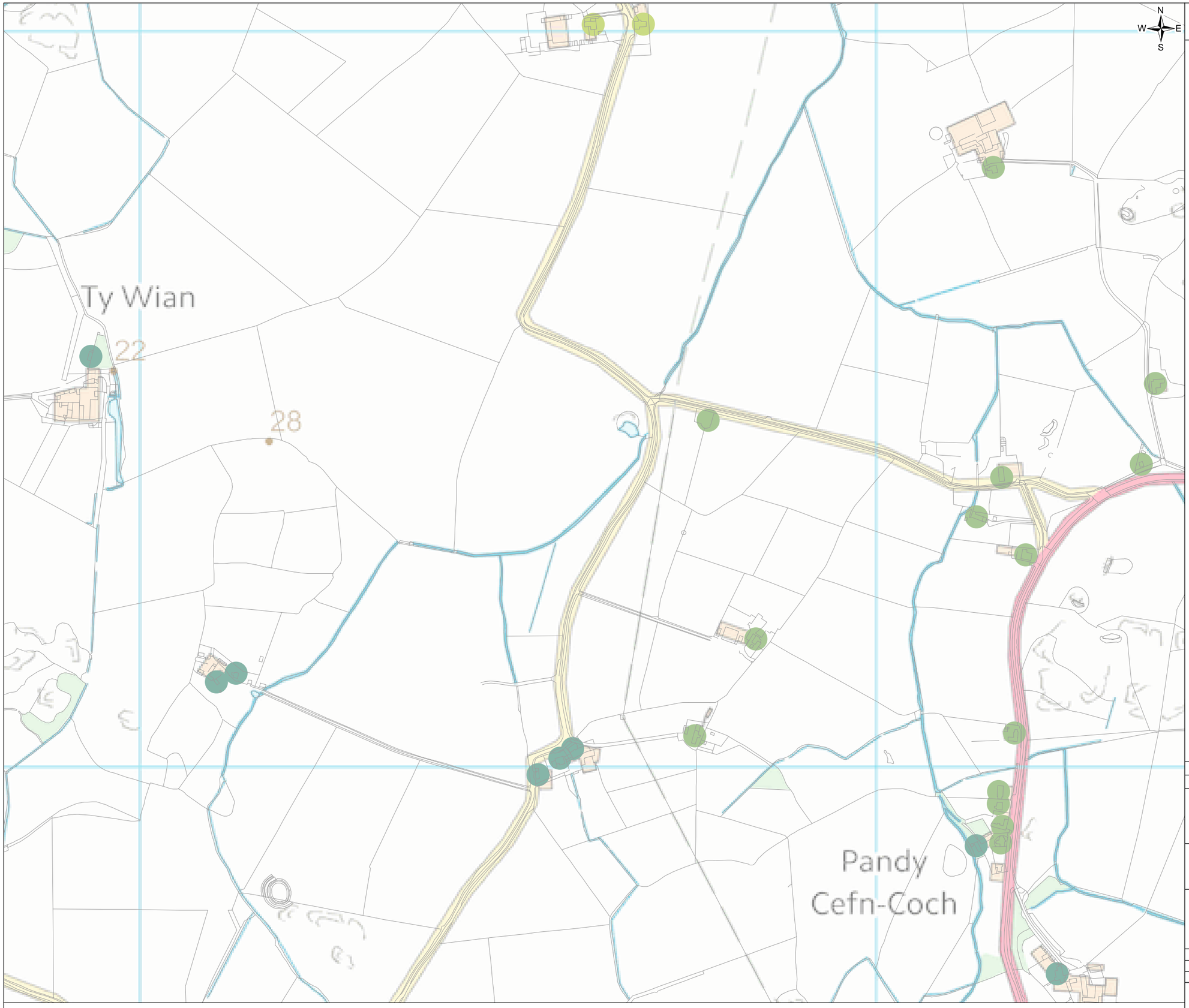


FIGURE 13

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

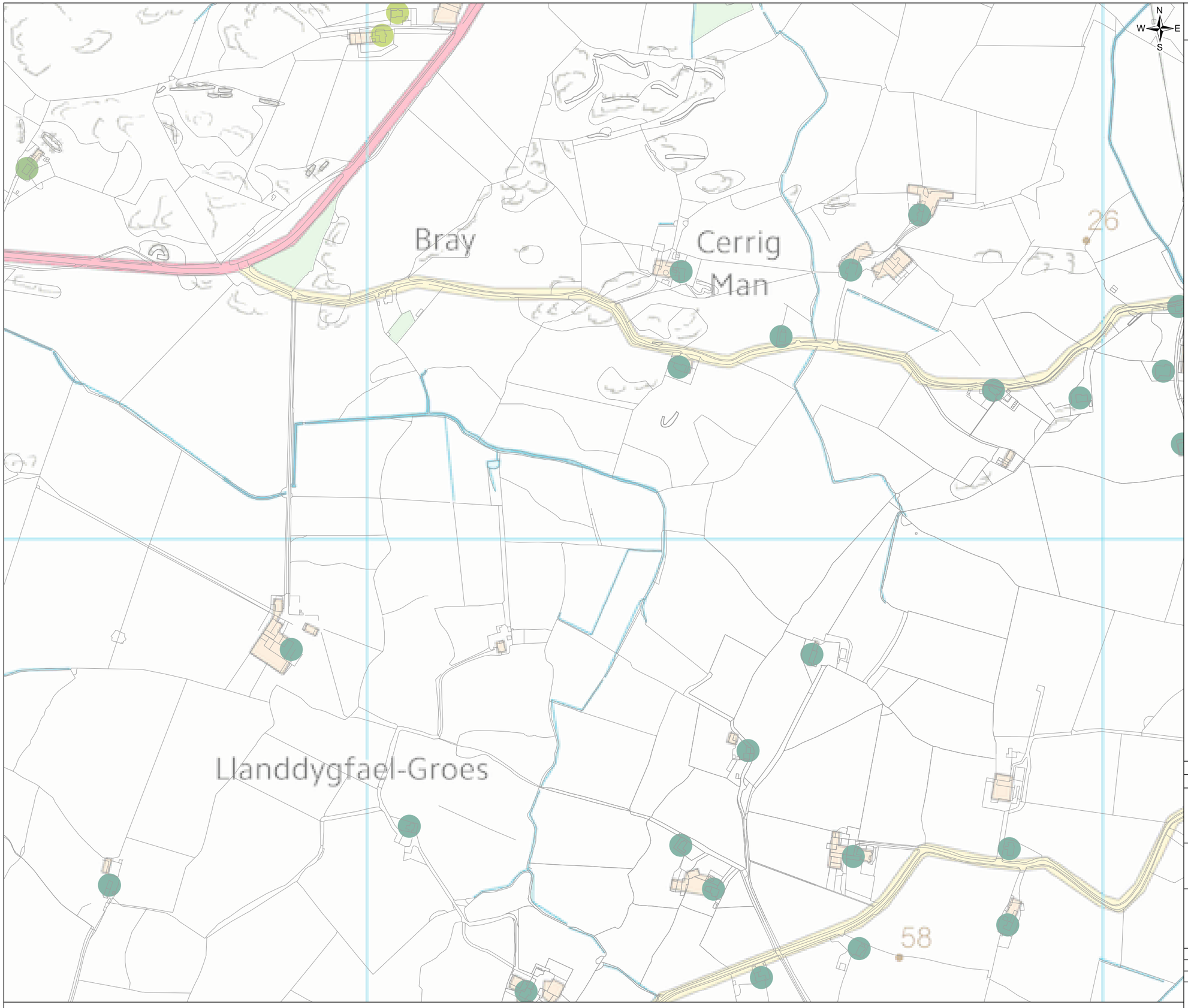
Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

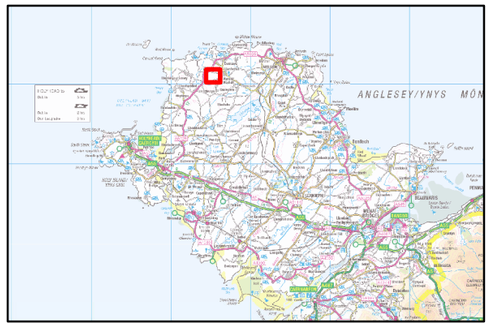
FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (DAYTIME)

SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

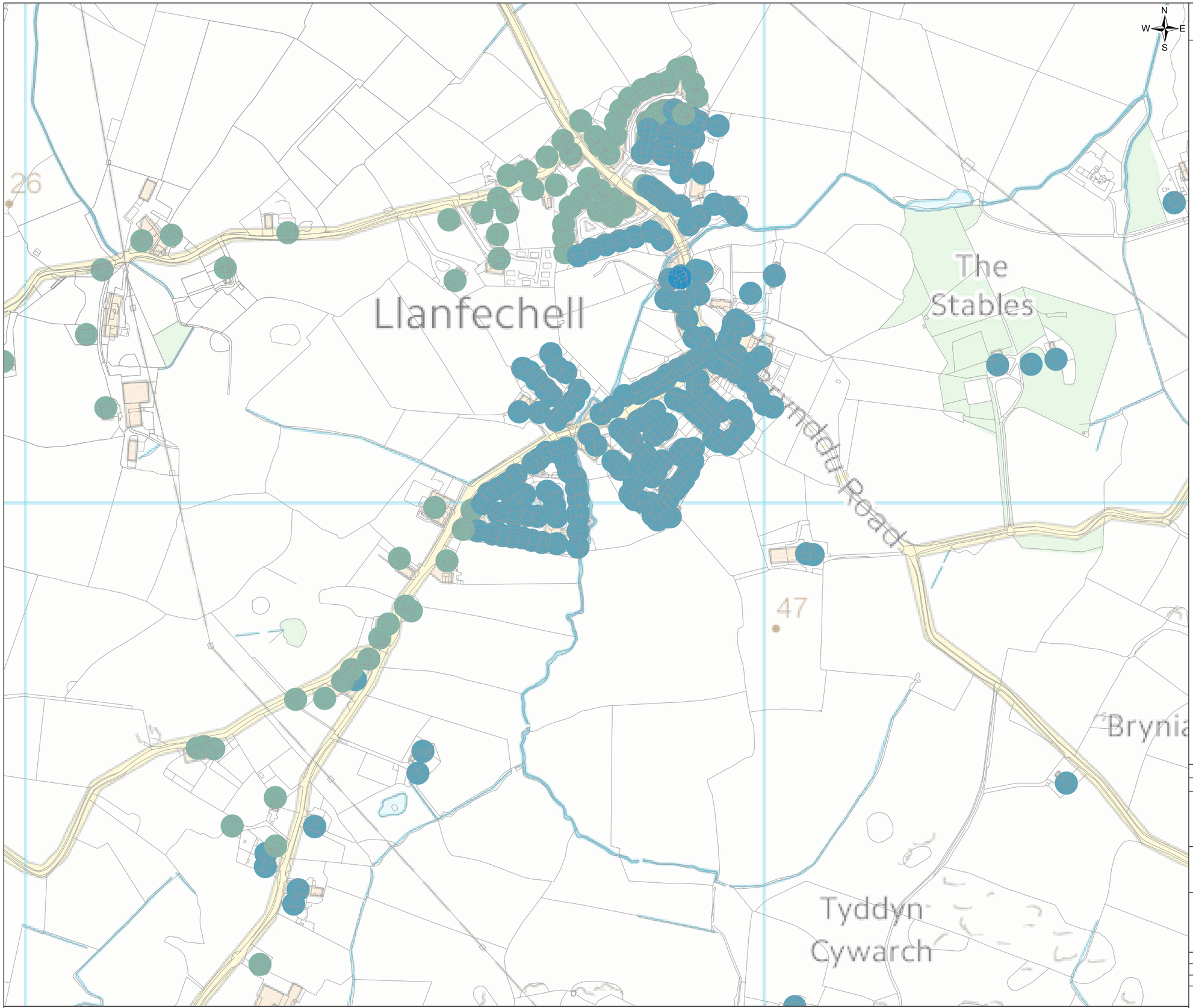
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

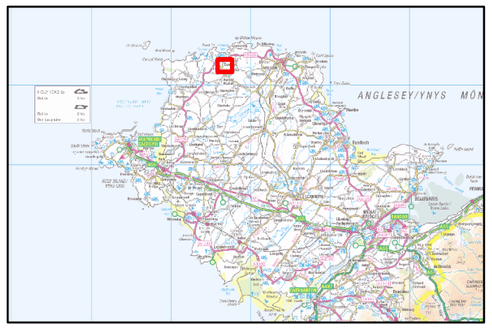
0 125 250 500 metres

FIGURE 13

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

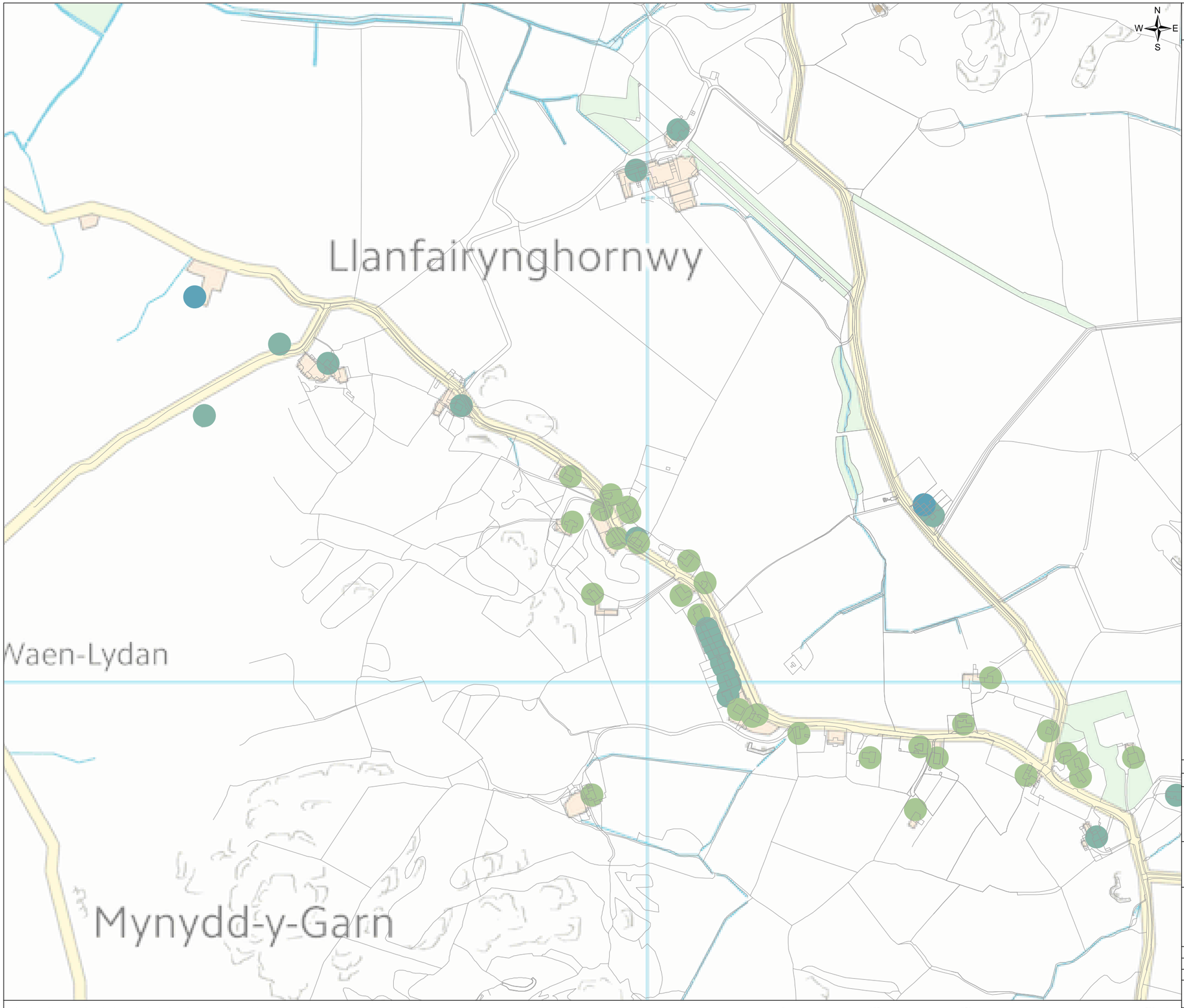
60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (DAYTIME)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

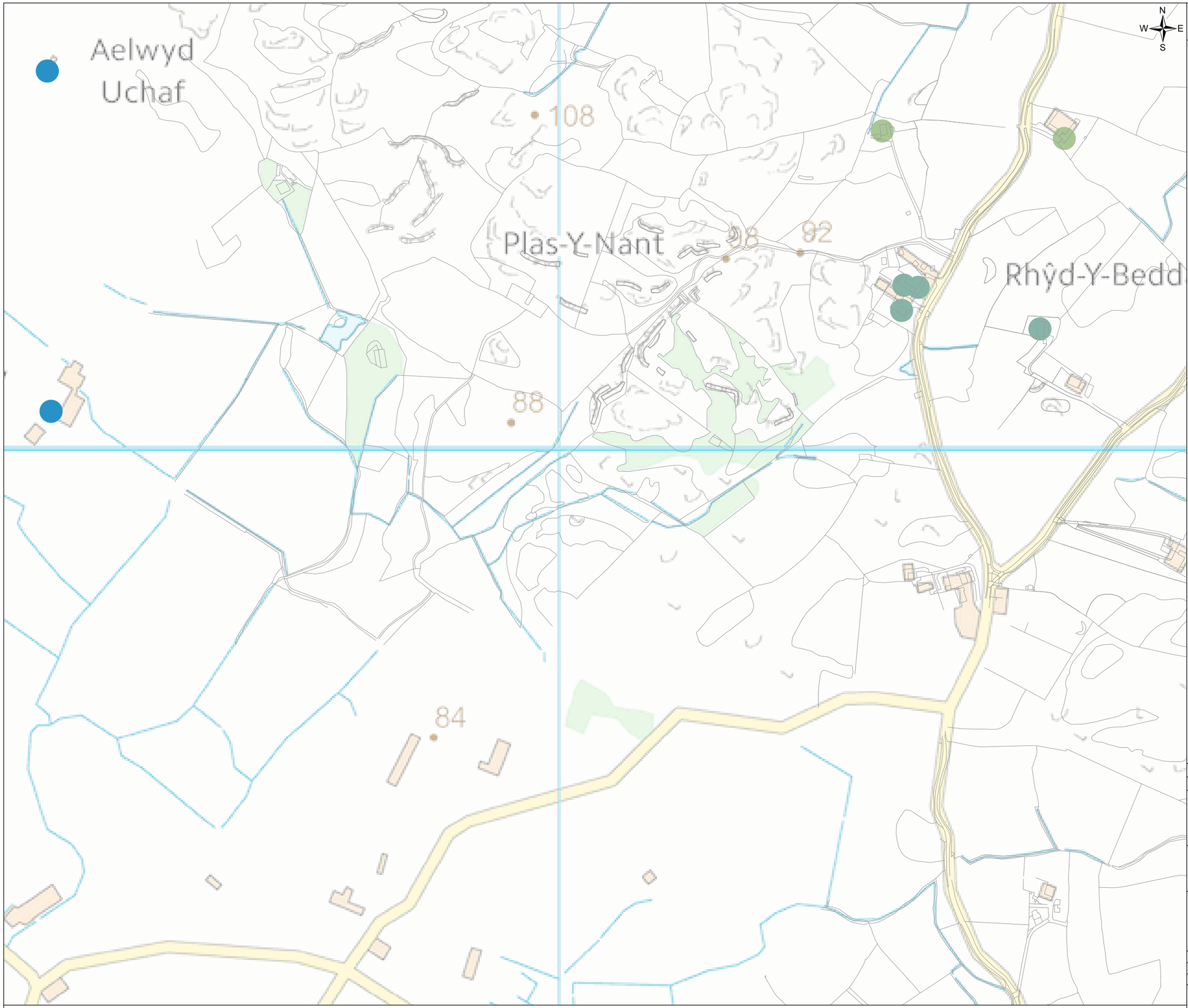
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

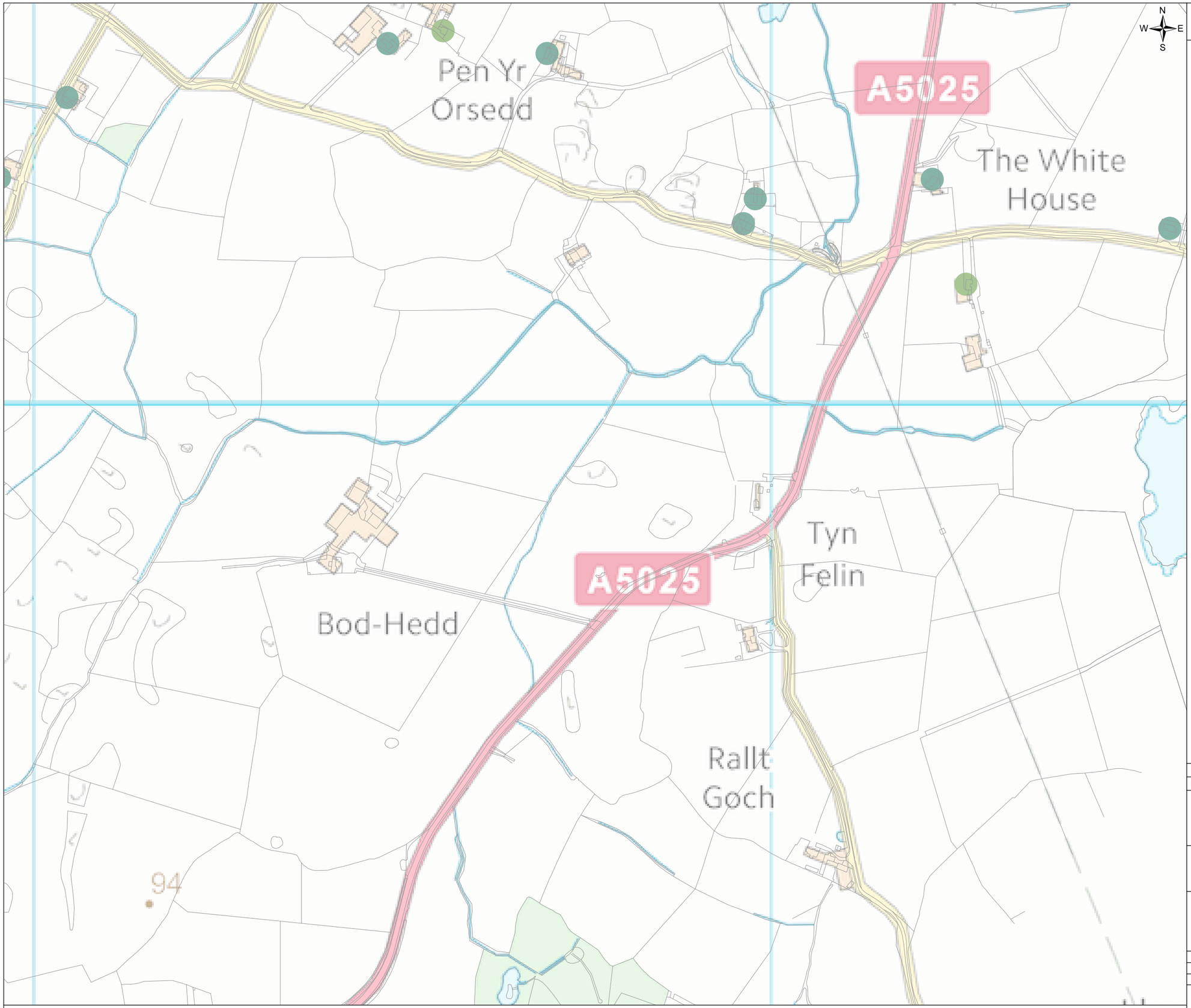
60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

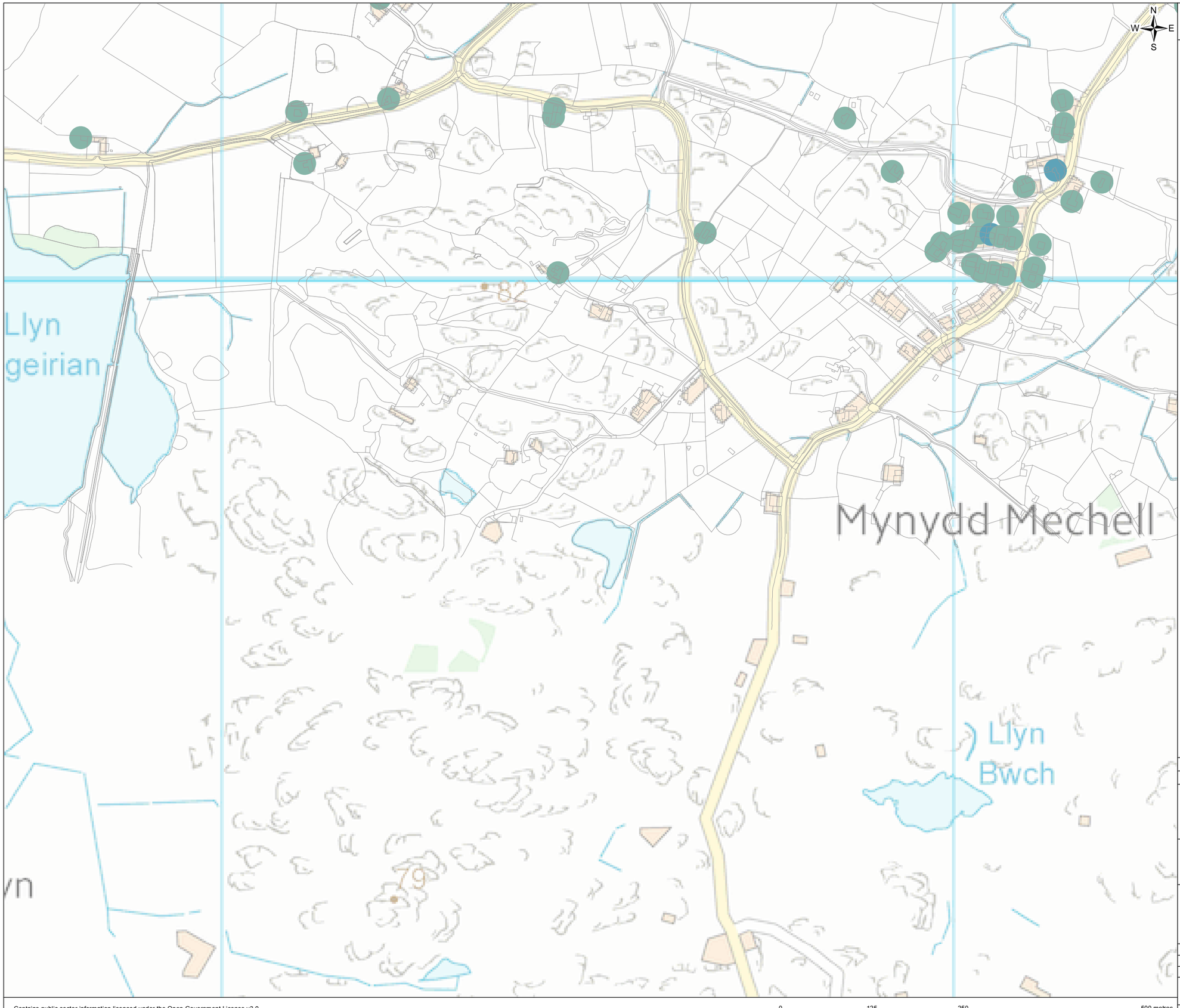
60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

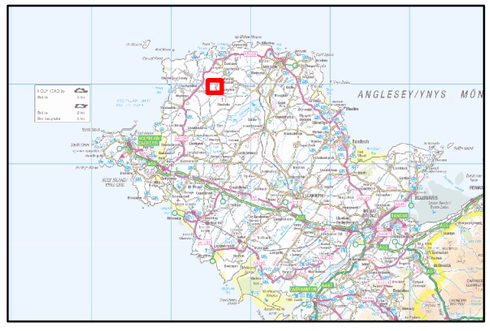
FIGURE 13



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (DAYTIME)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

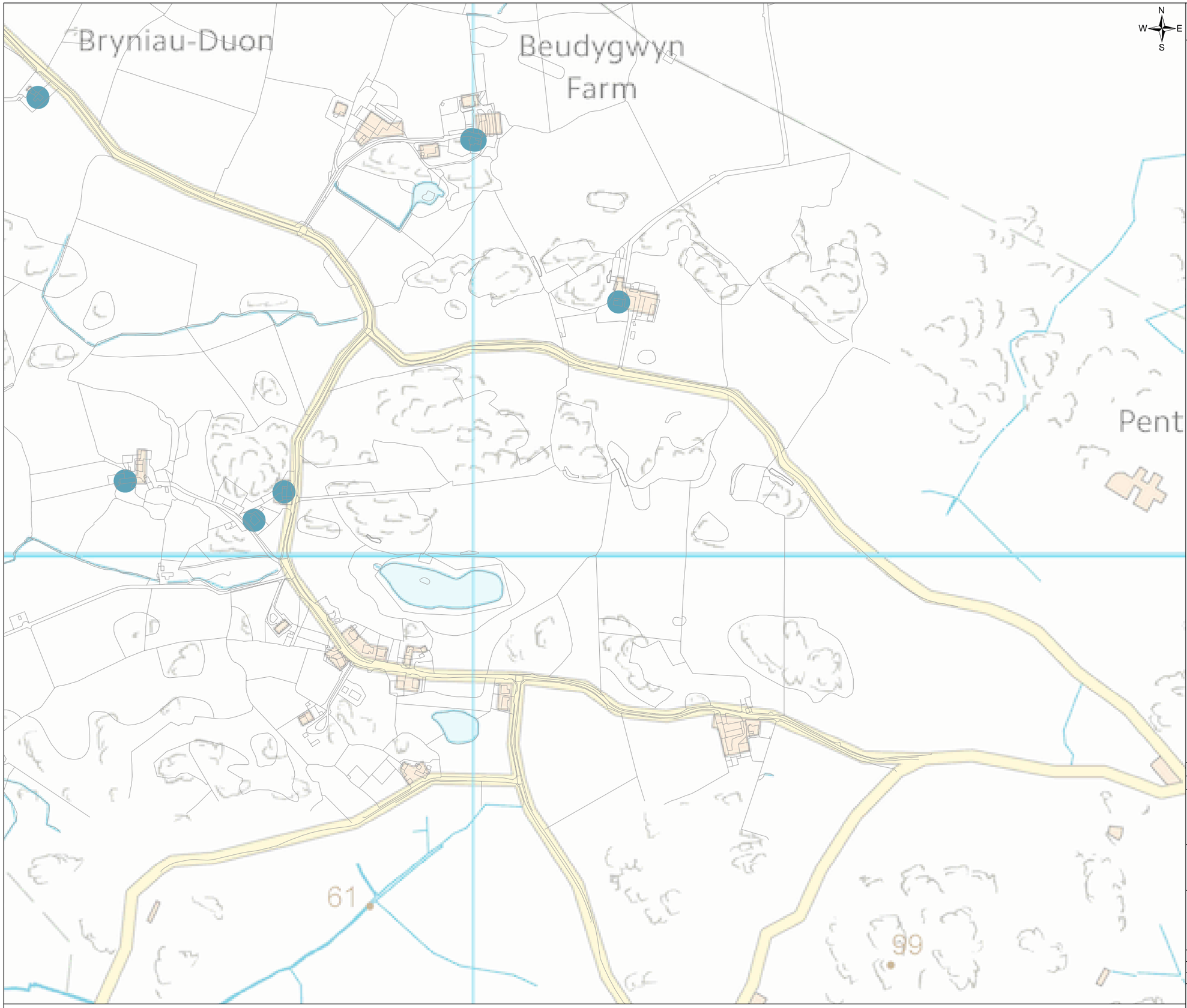


FIGURE 13

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 13

Pont Tai Hen

34

48

69

The Old Farmhouse

Beudygwyn Farm

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

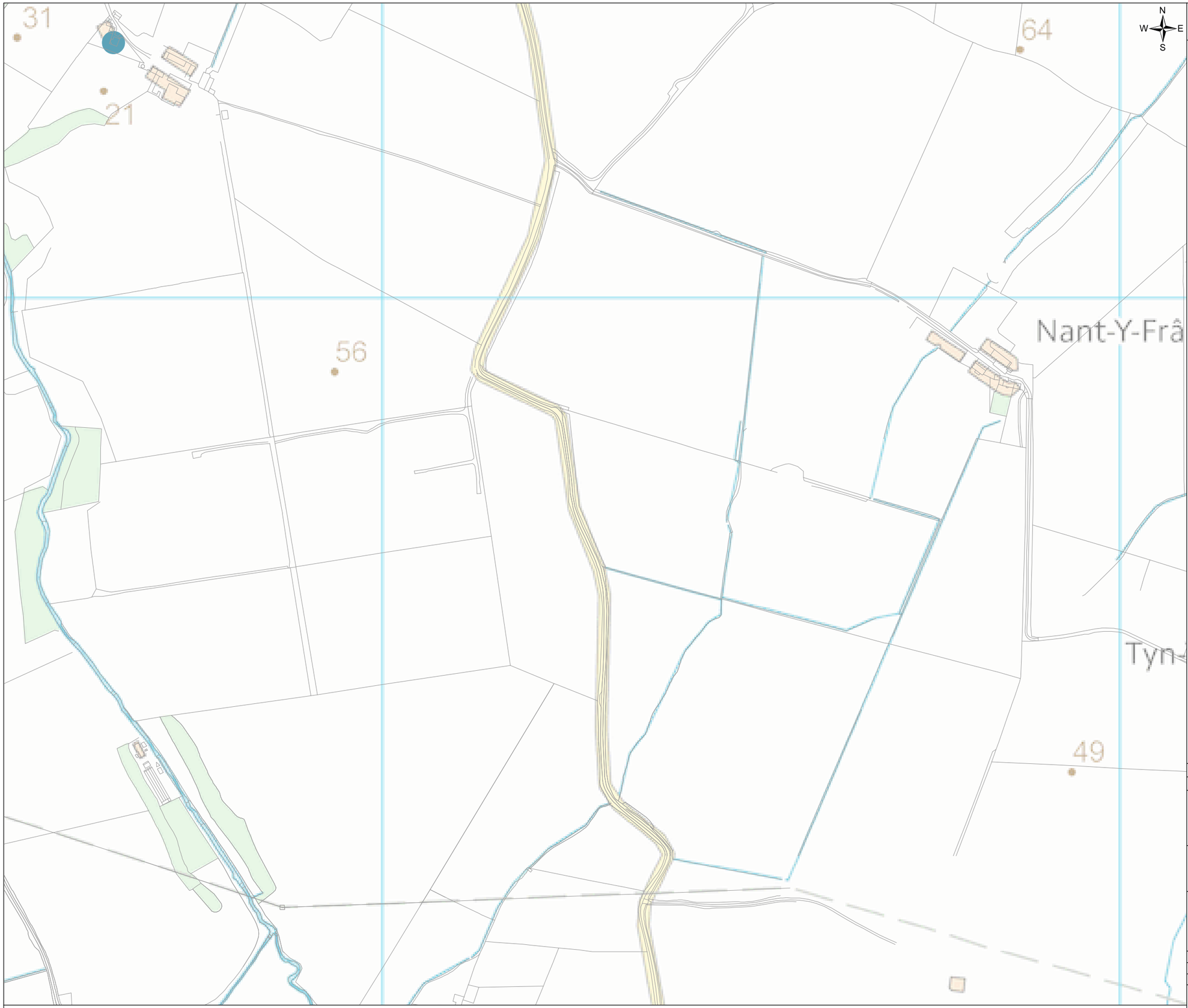


FIGURE 13

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

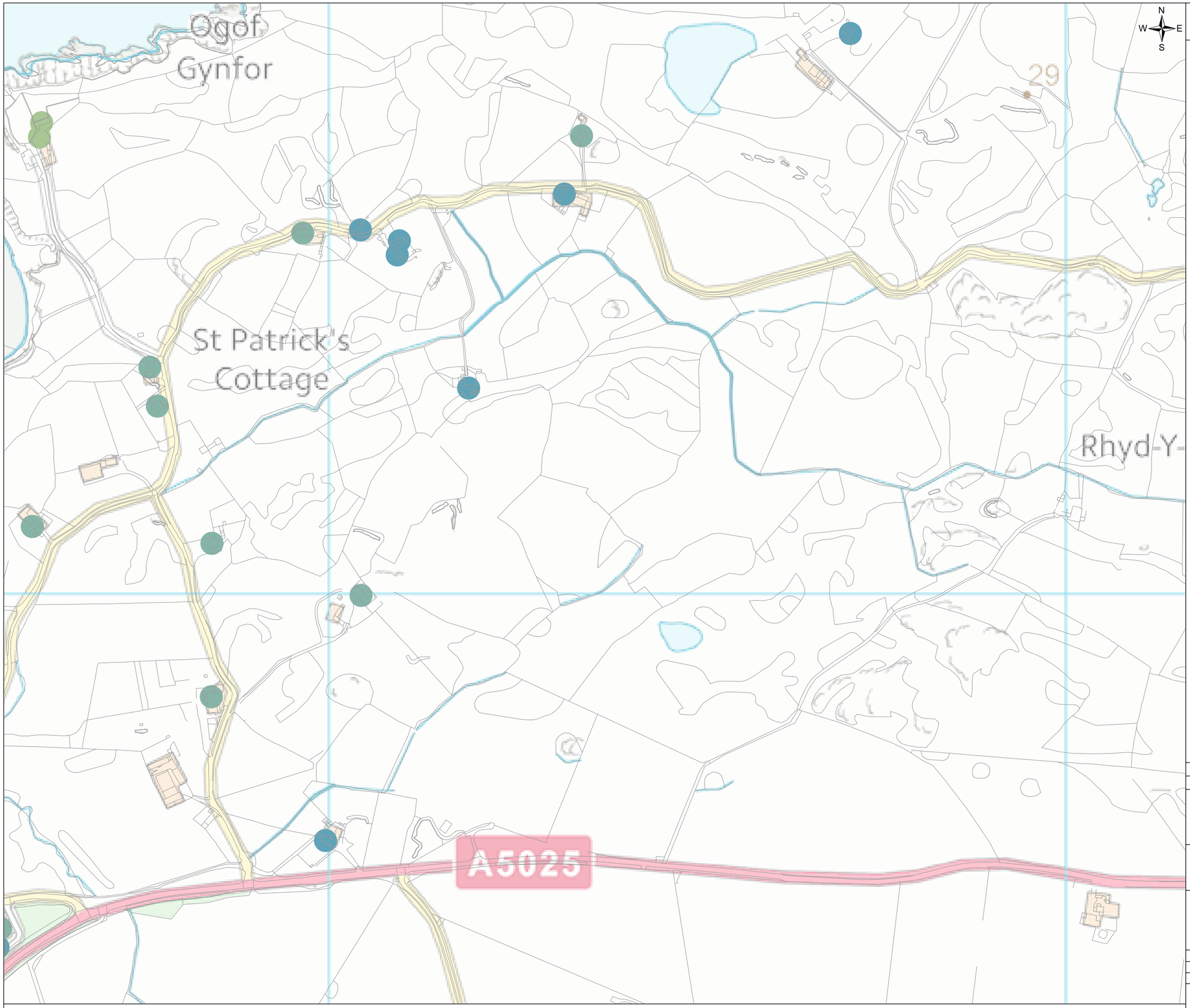


FIGURE 13

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (DAYTIME)

SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

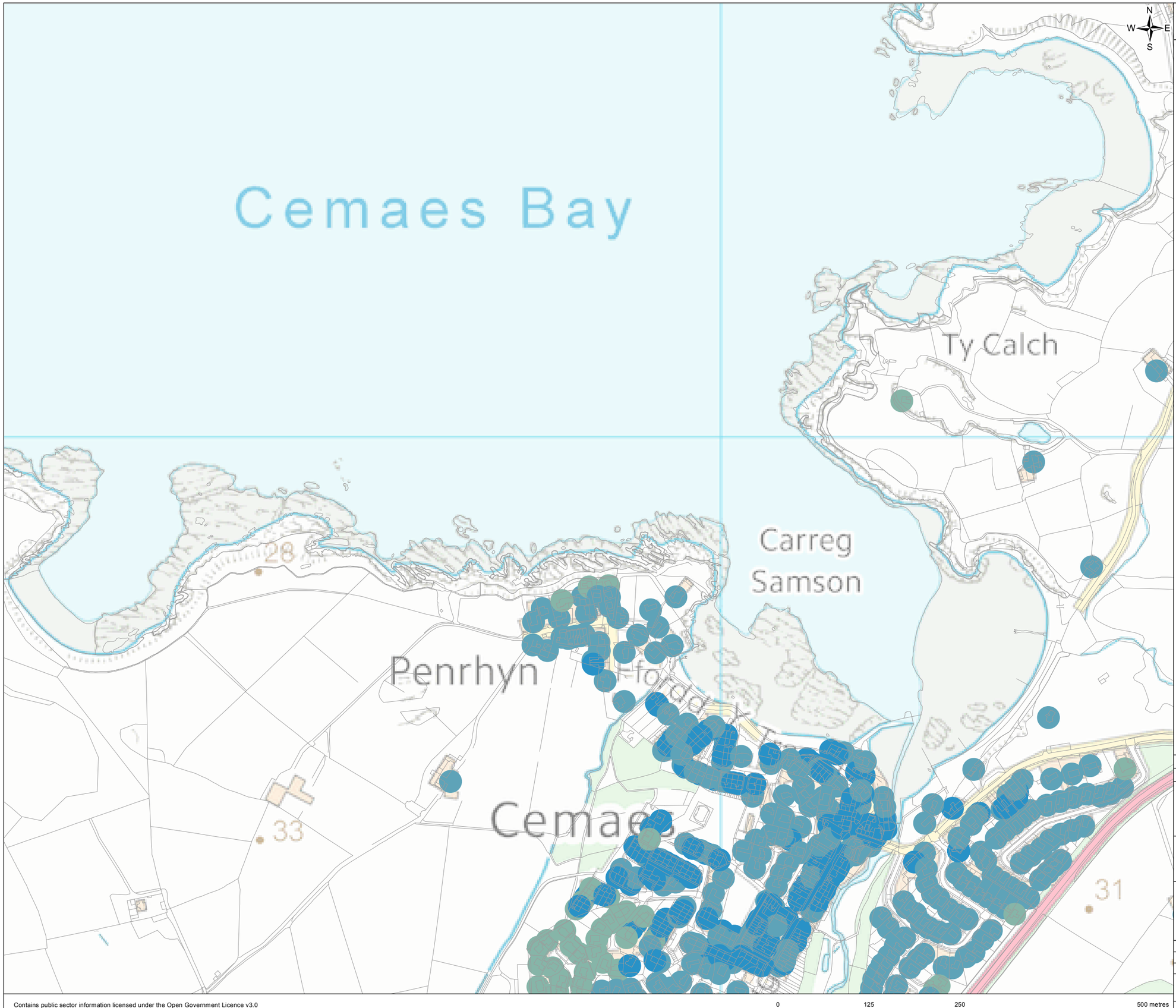
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

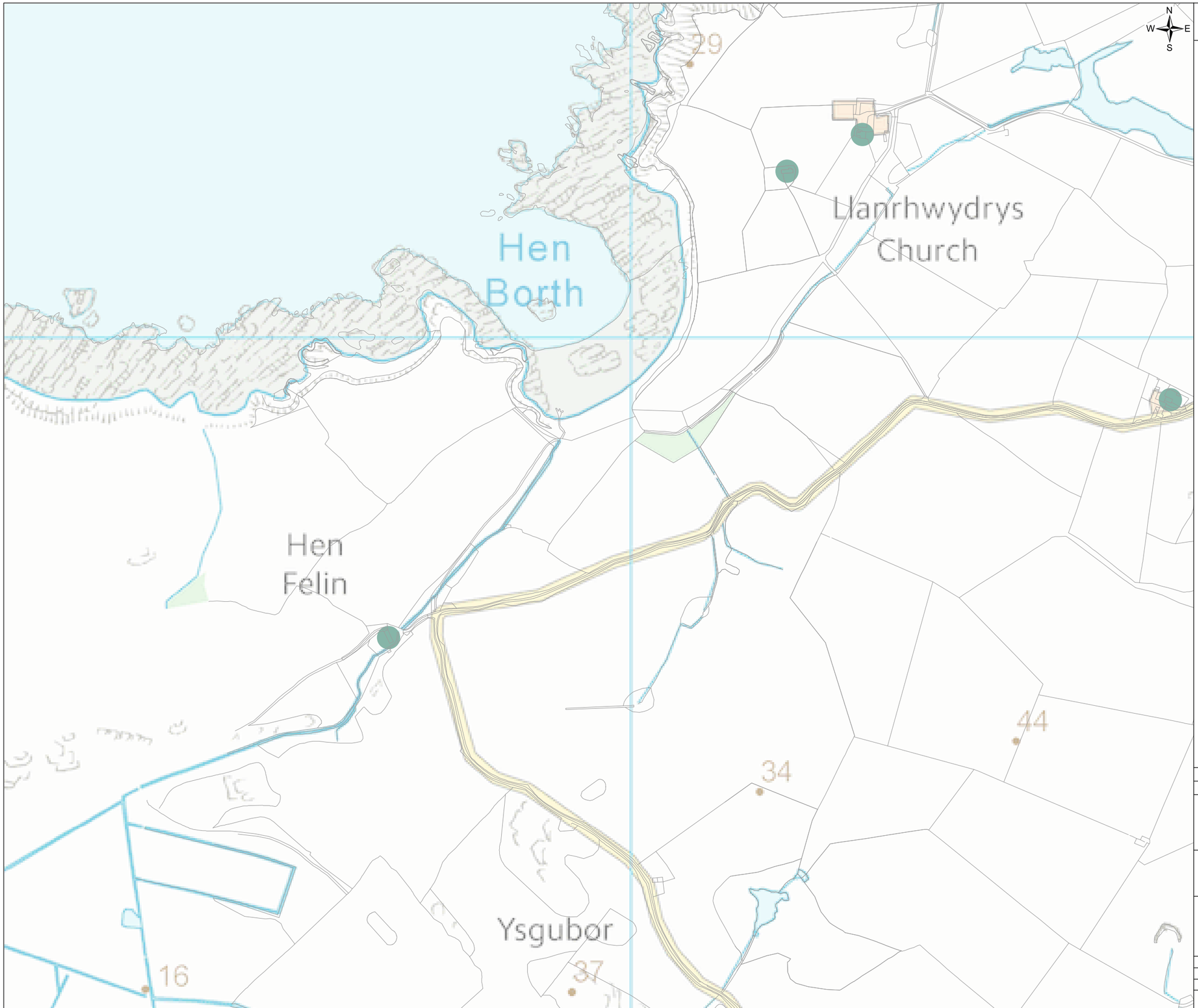
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

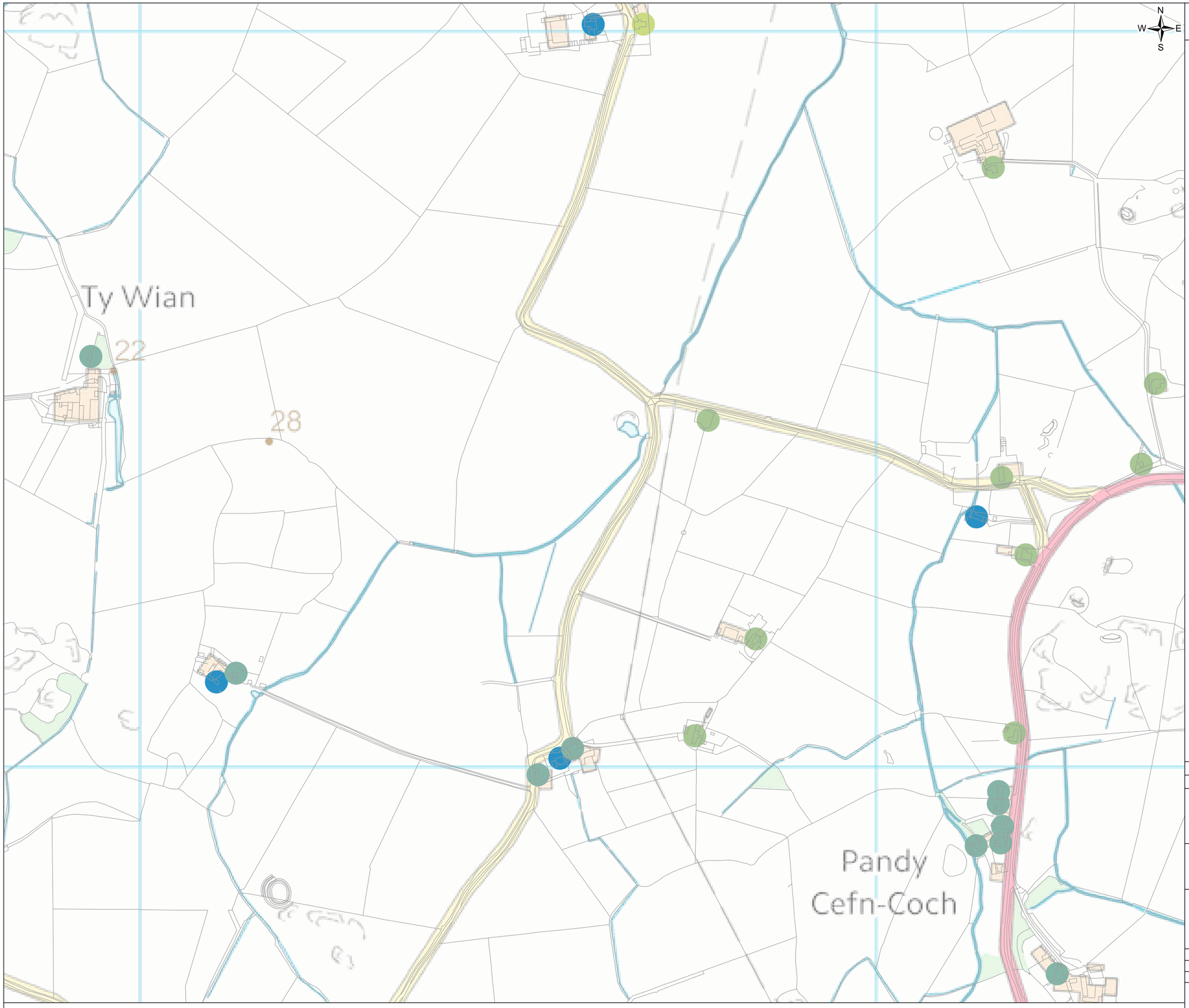
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)
SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

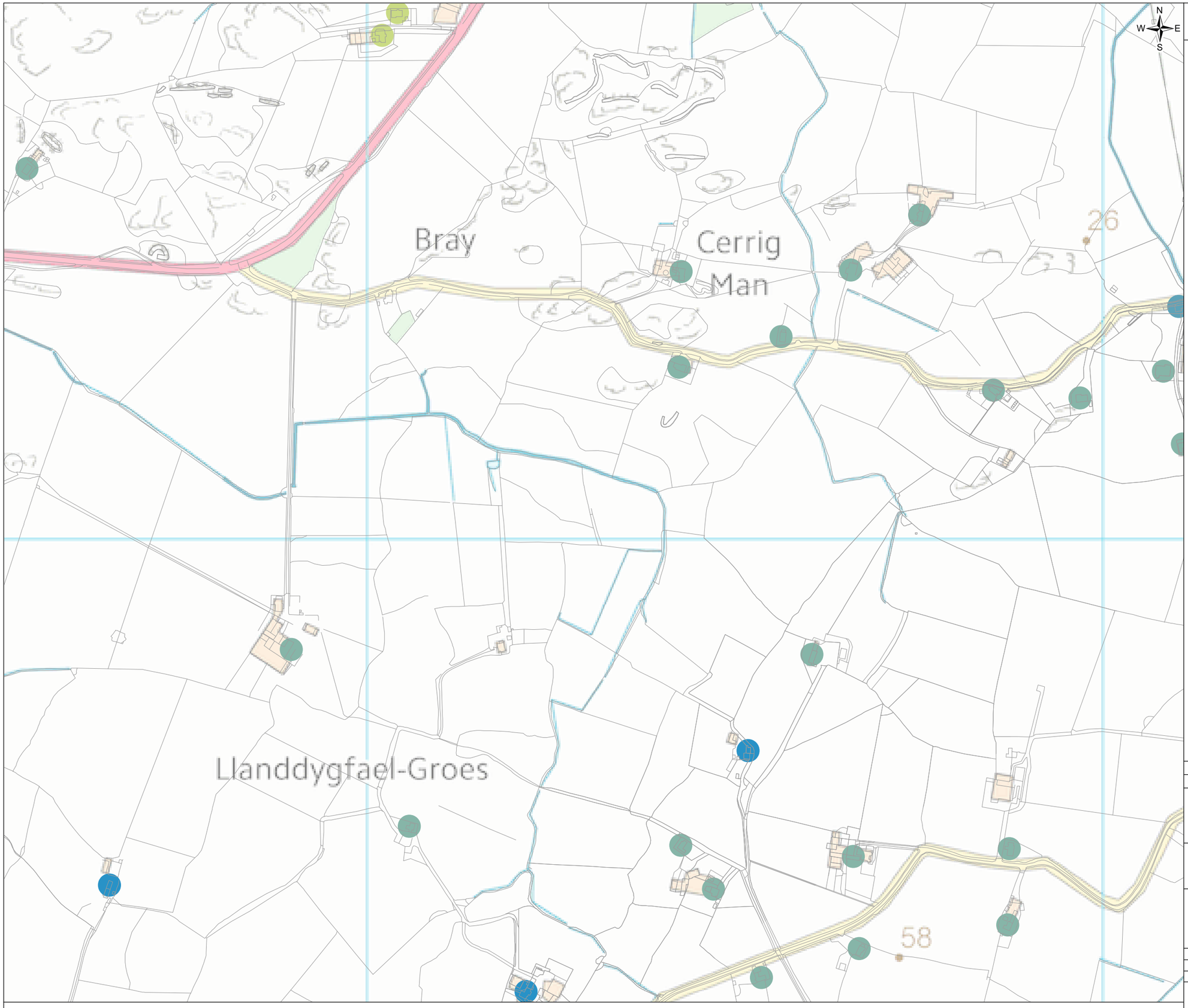
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

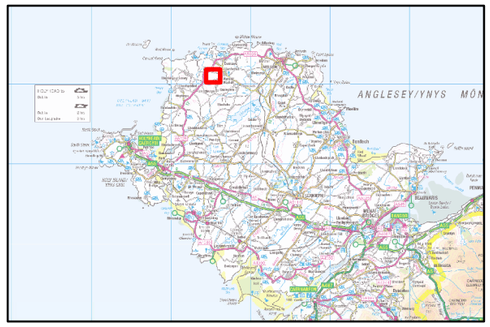
FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (EVENING)

SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

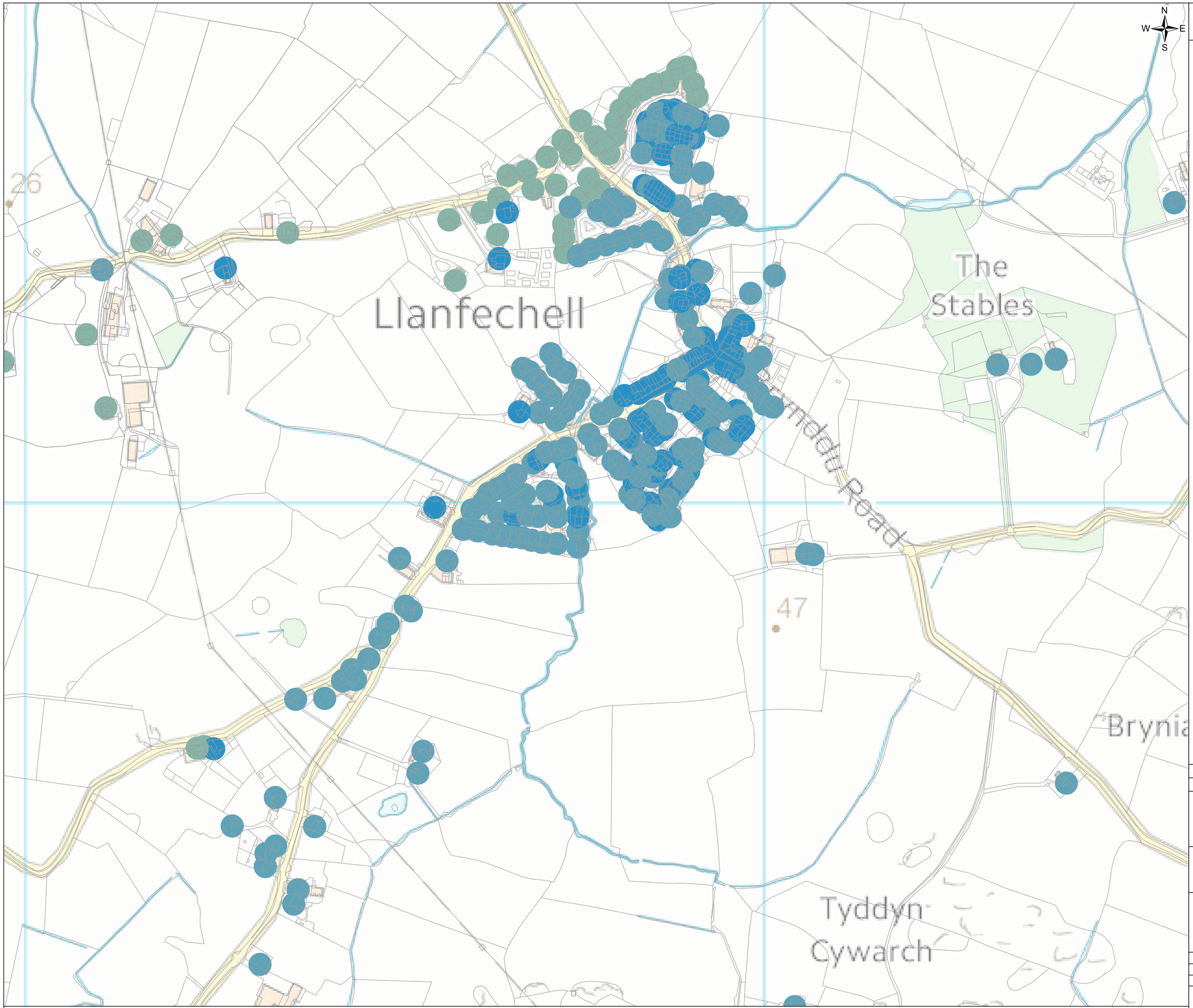
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (EVENING)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

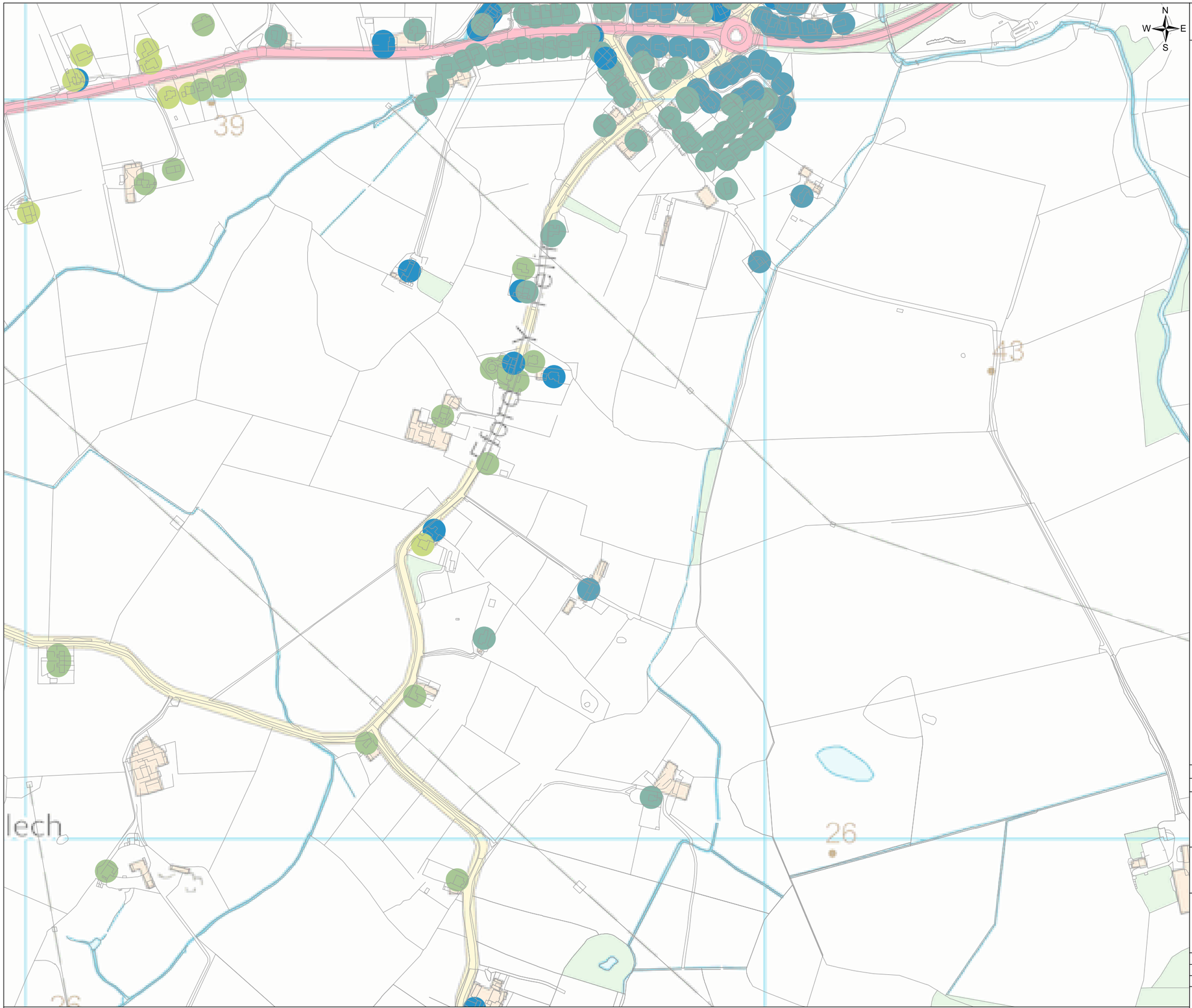
Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

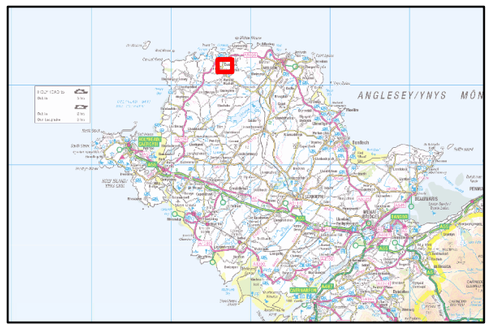
FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

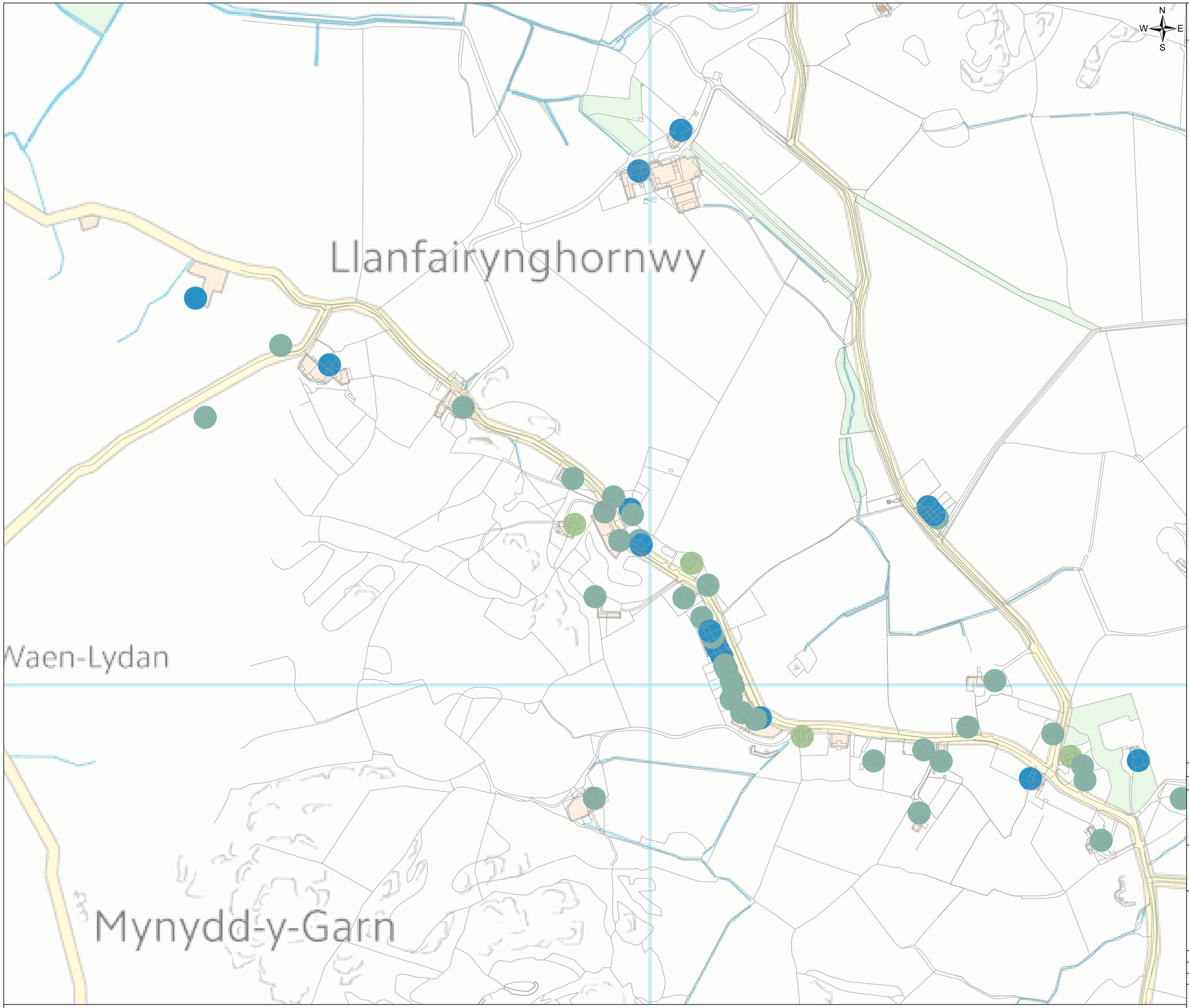
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

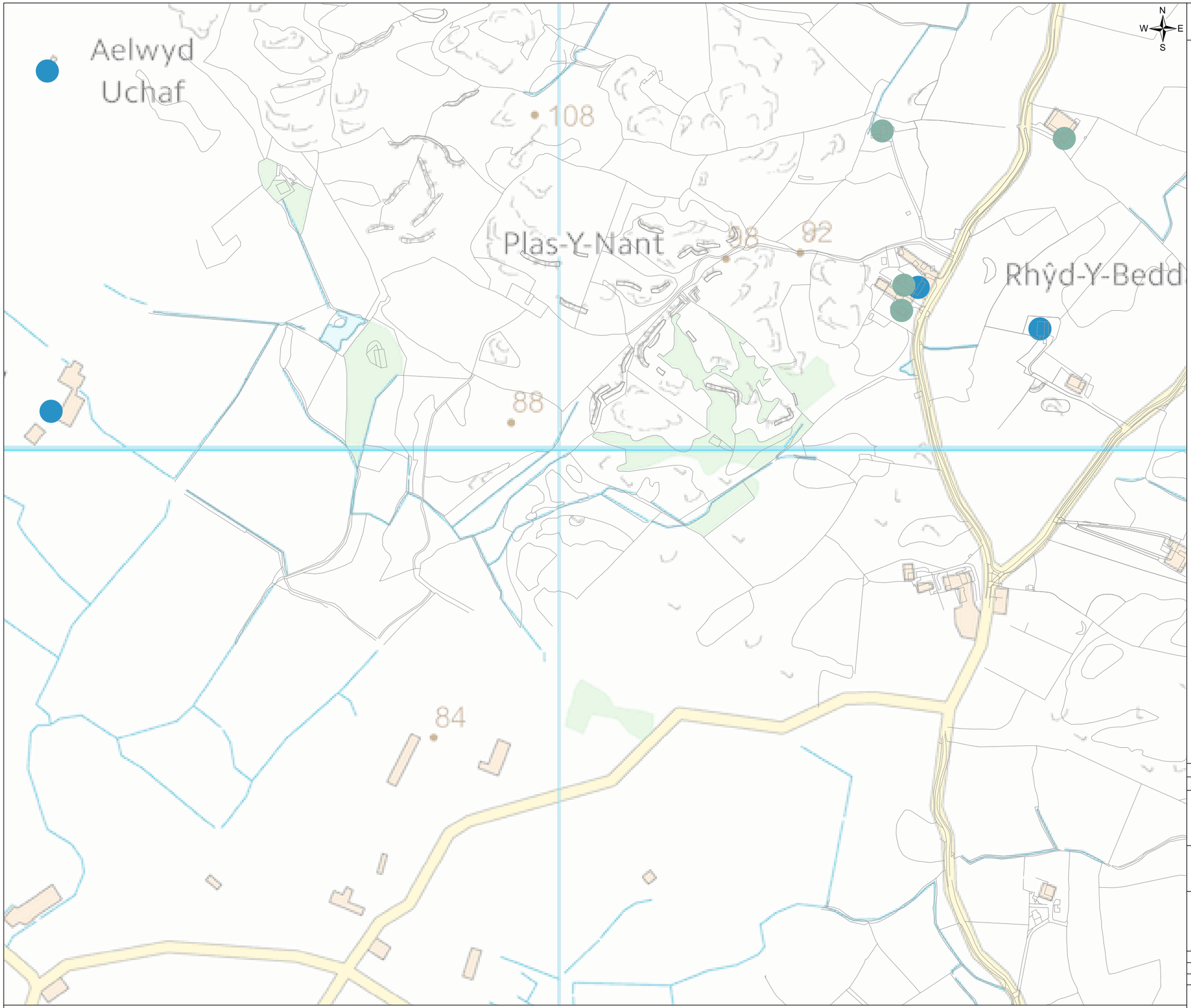
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

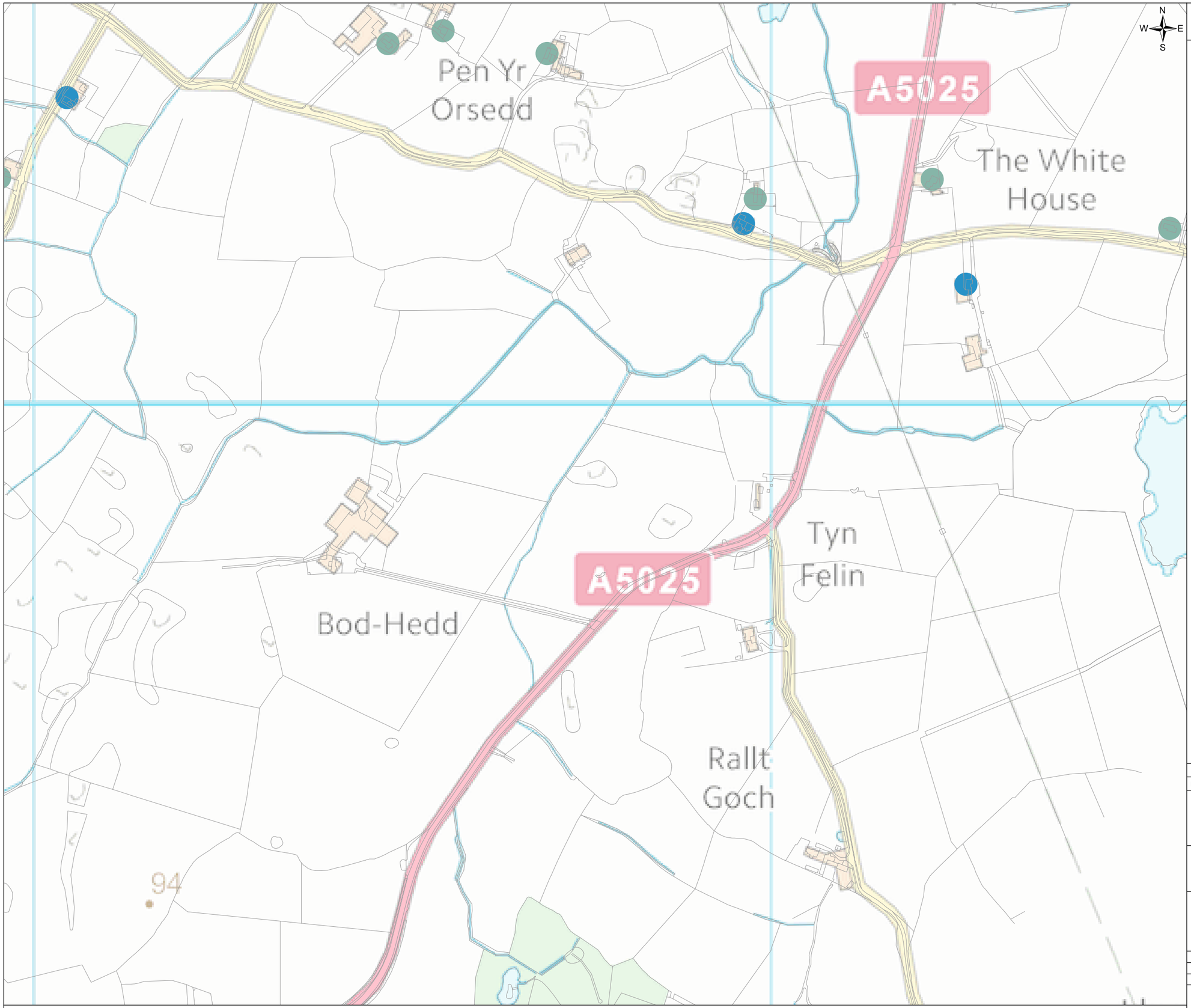
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

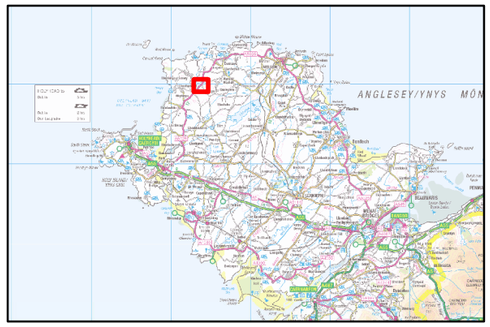
FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

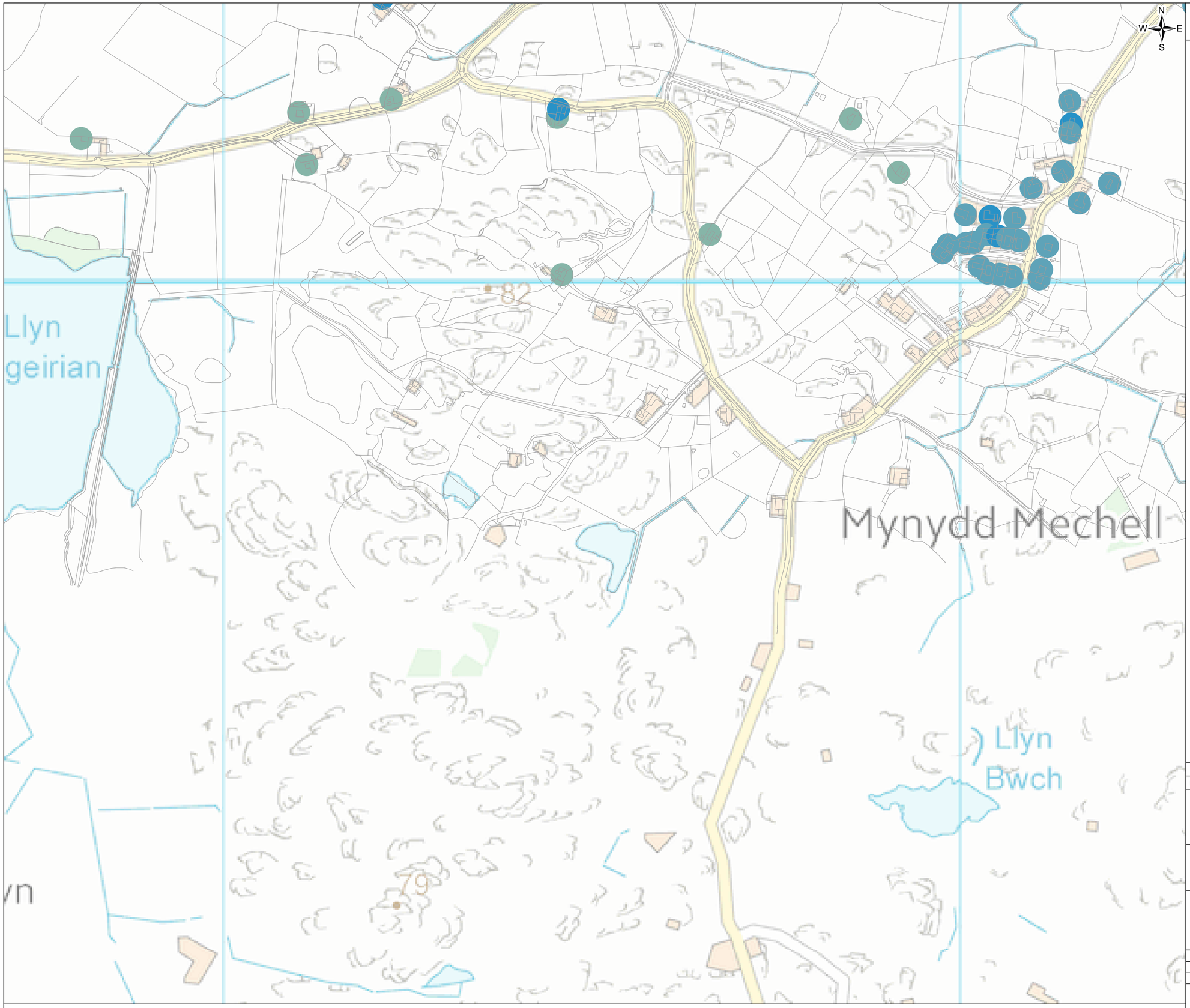
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

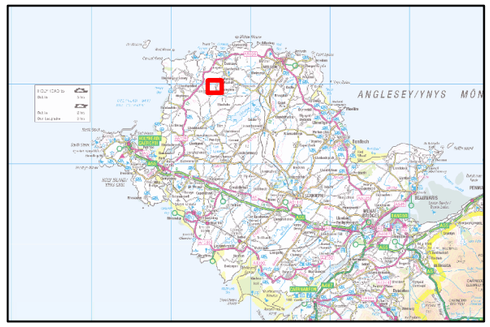
FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (EVENING)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

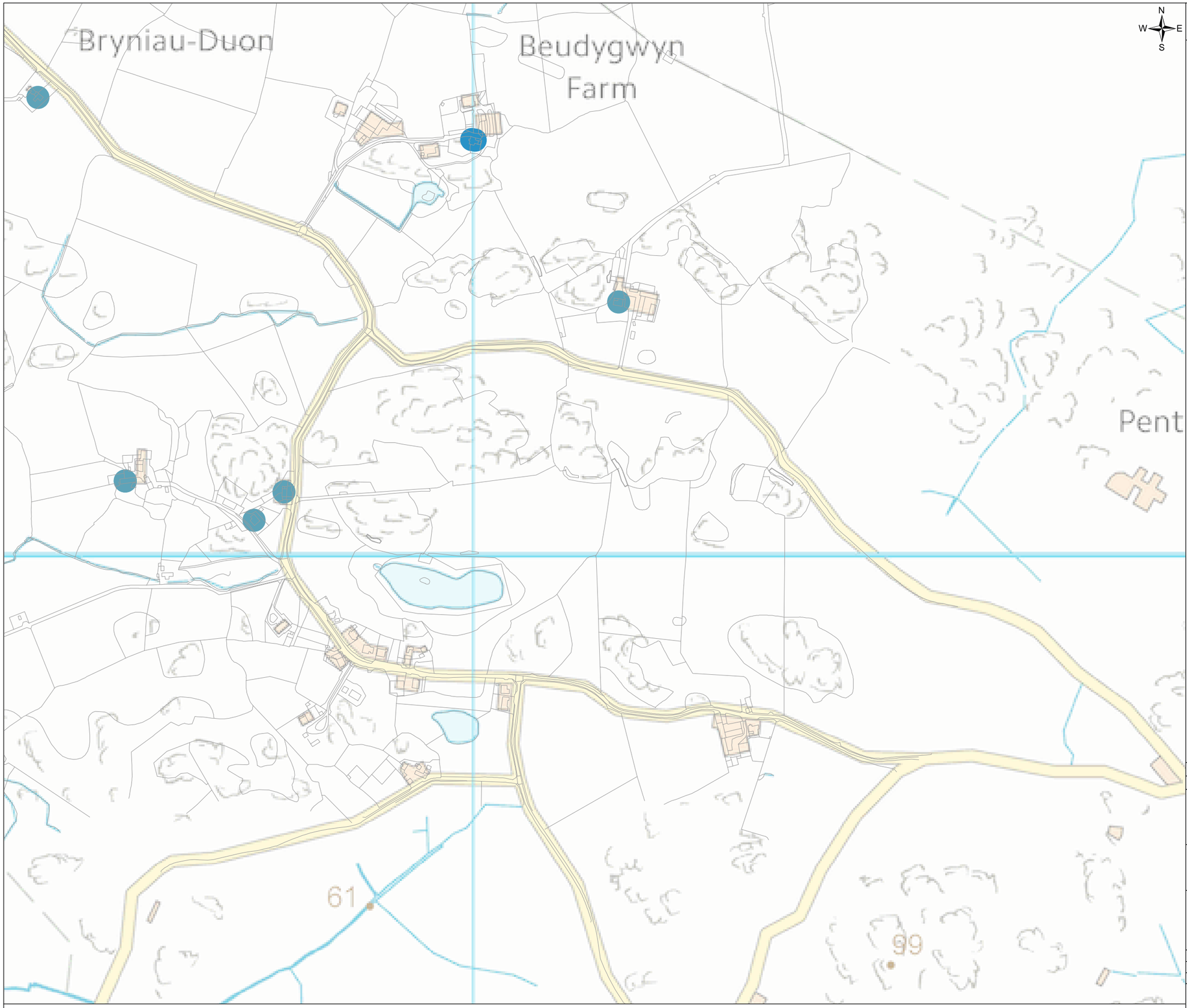


FIGURE 14

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

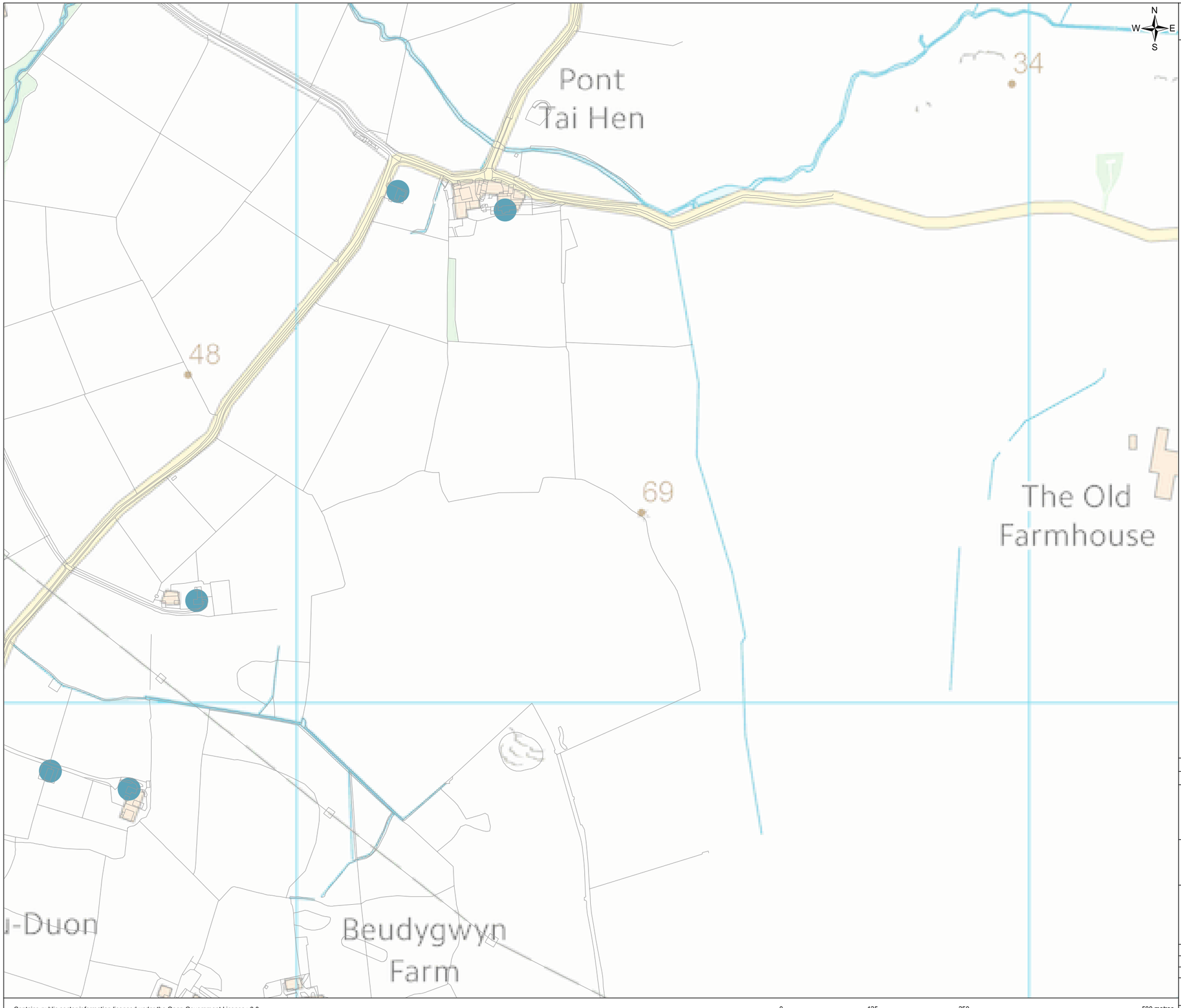
60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

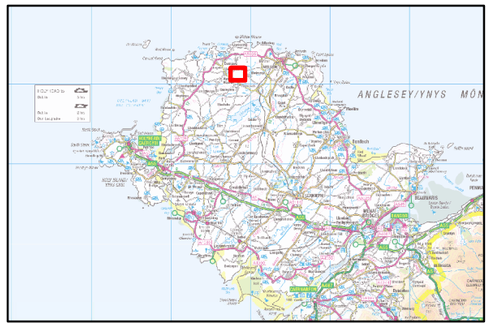
FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (EVENING)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

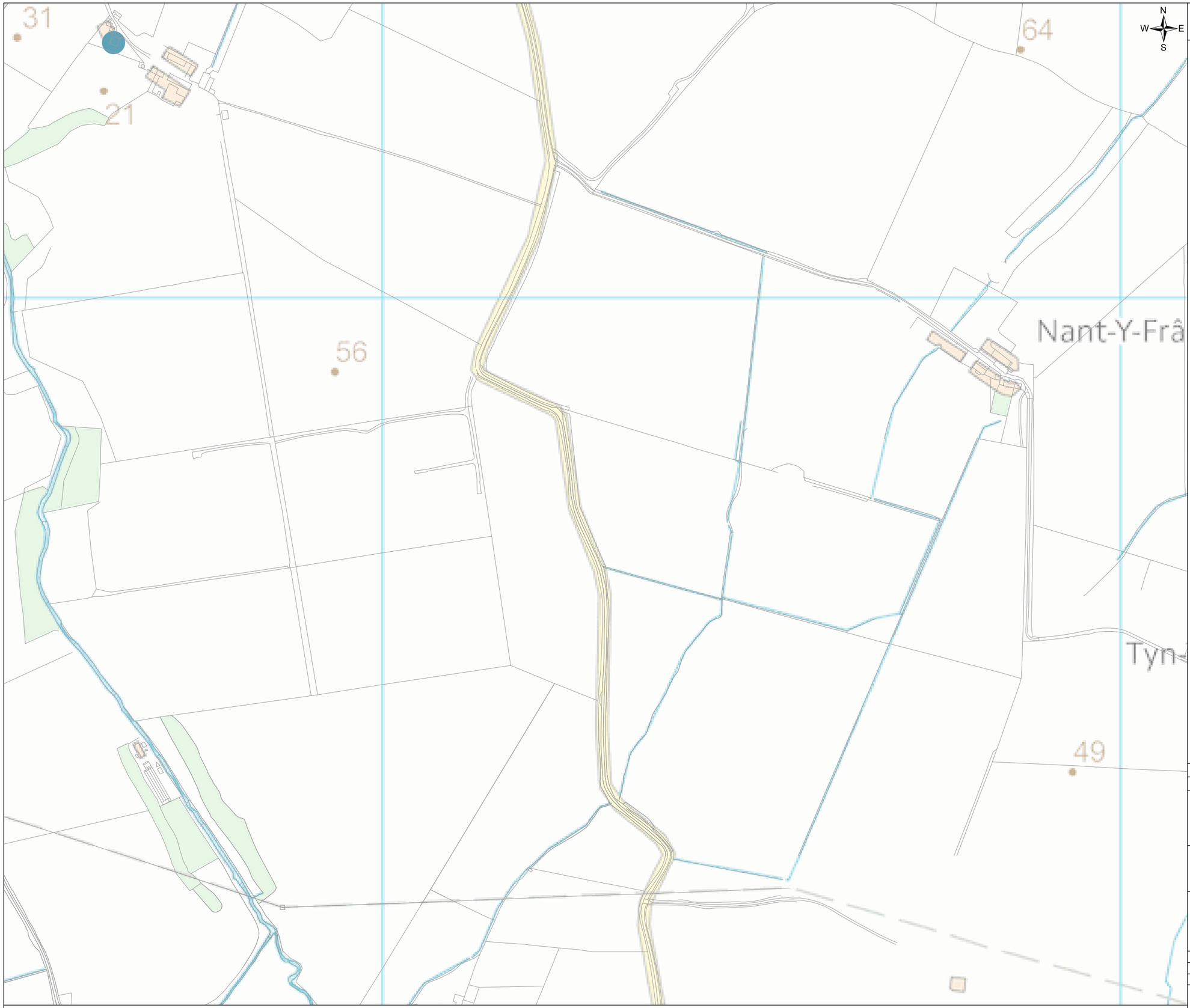
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 14



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (EVENING)

SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

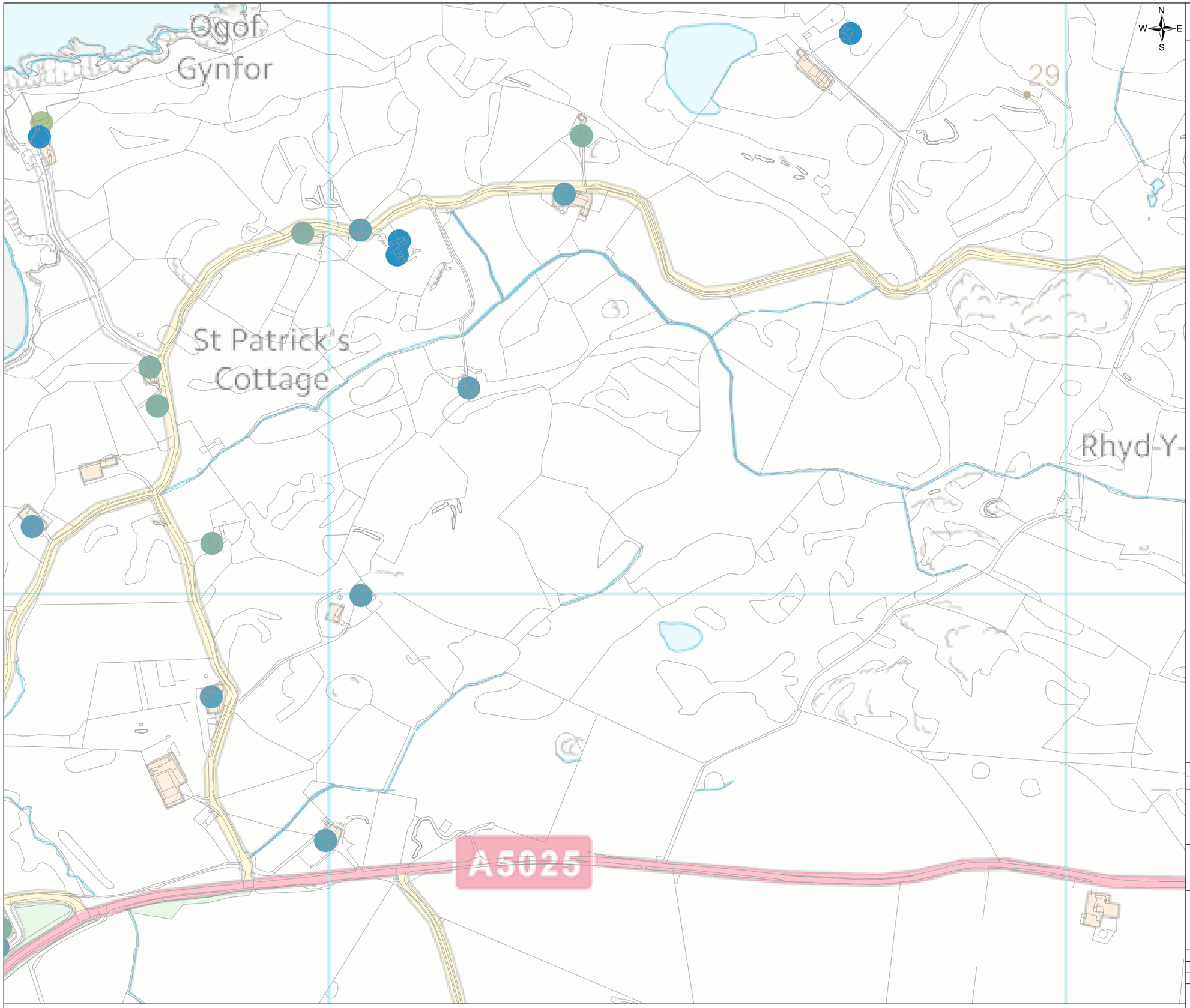


FIGURE 14

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (EVENING)

SHEET 17 OF 17

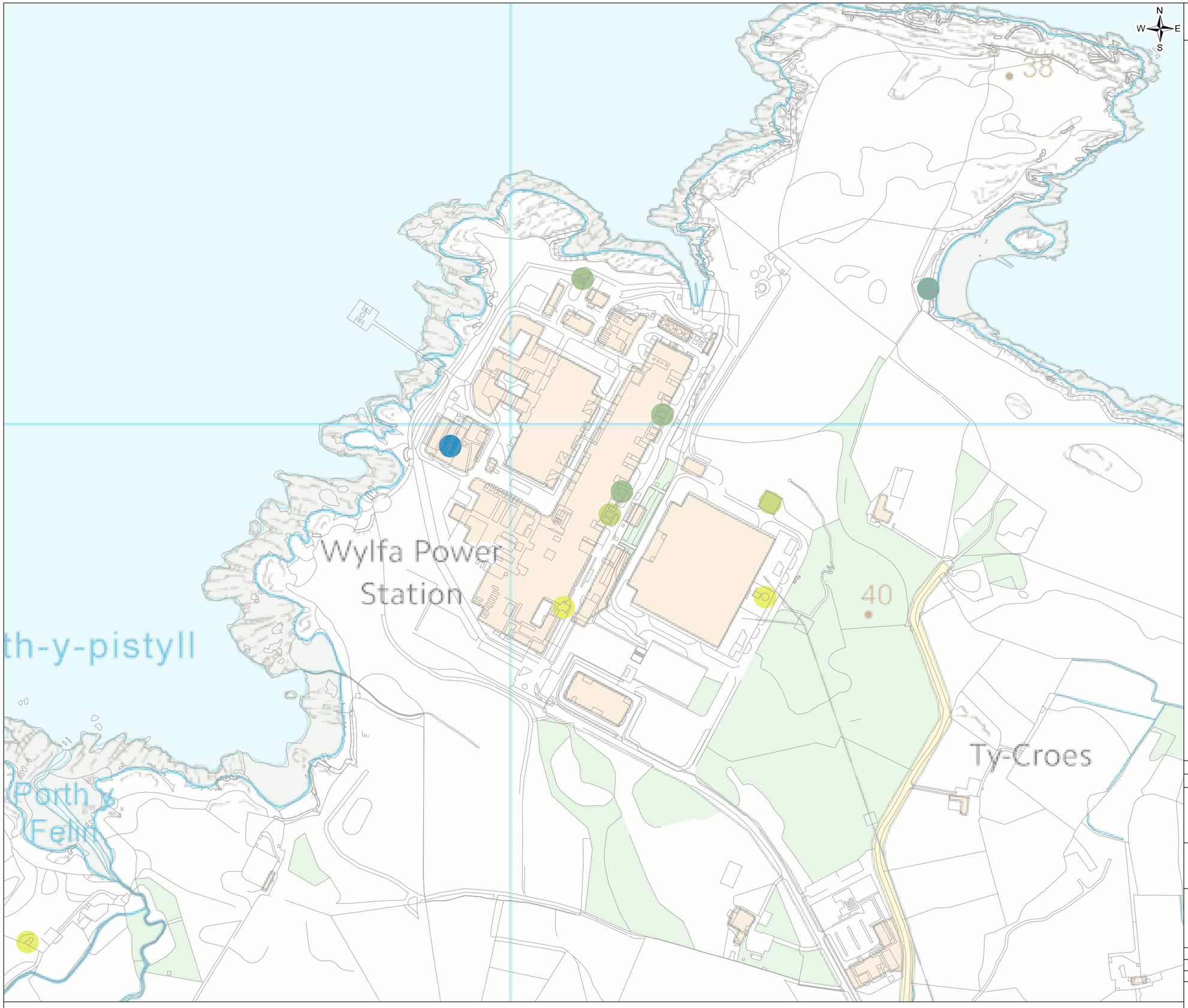
Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

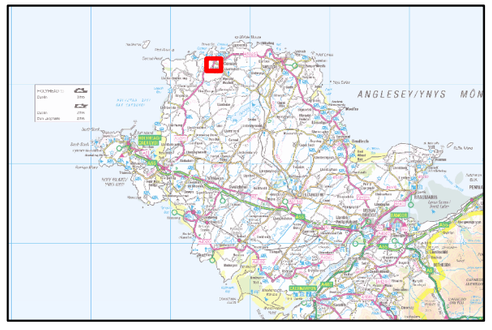
0 125 250 500 metres

FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

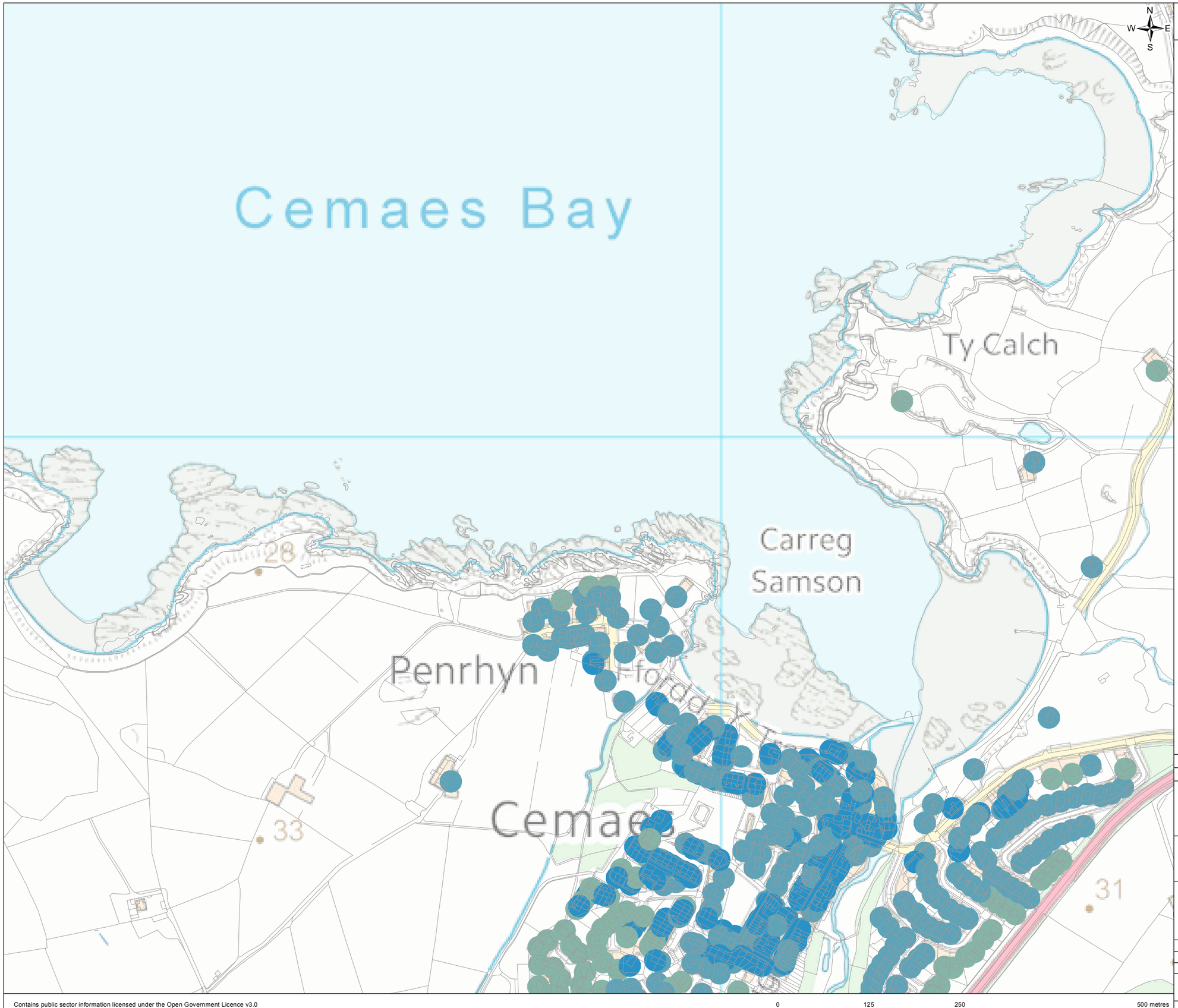
60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

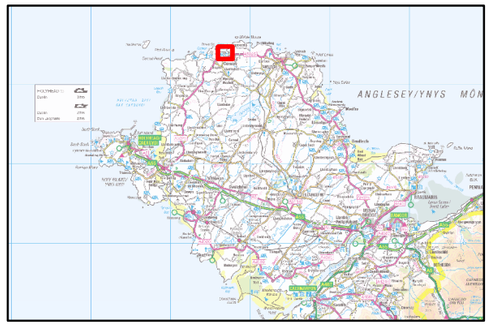
FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 15

Hen Borth

Llanrhwydrys Church

Hen Felin

Ysgubor

29

44

34

37

16

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

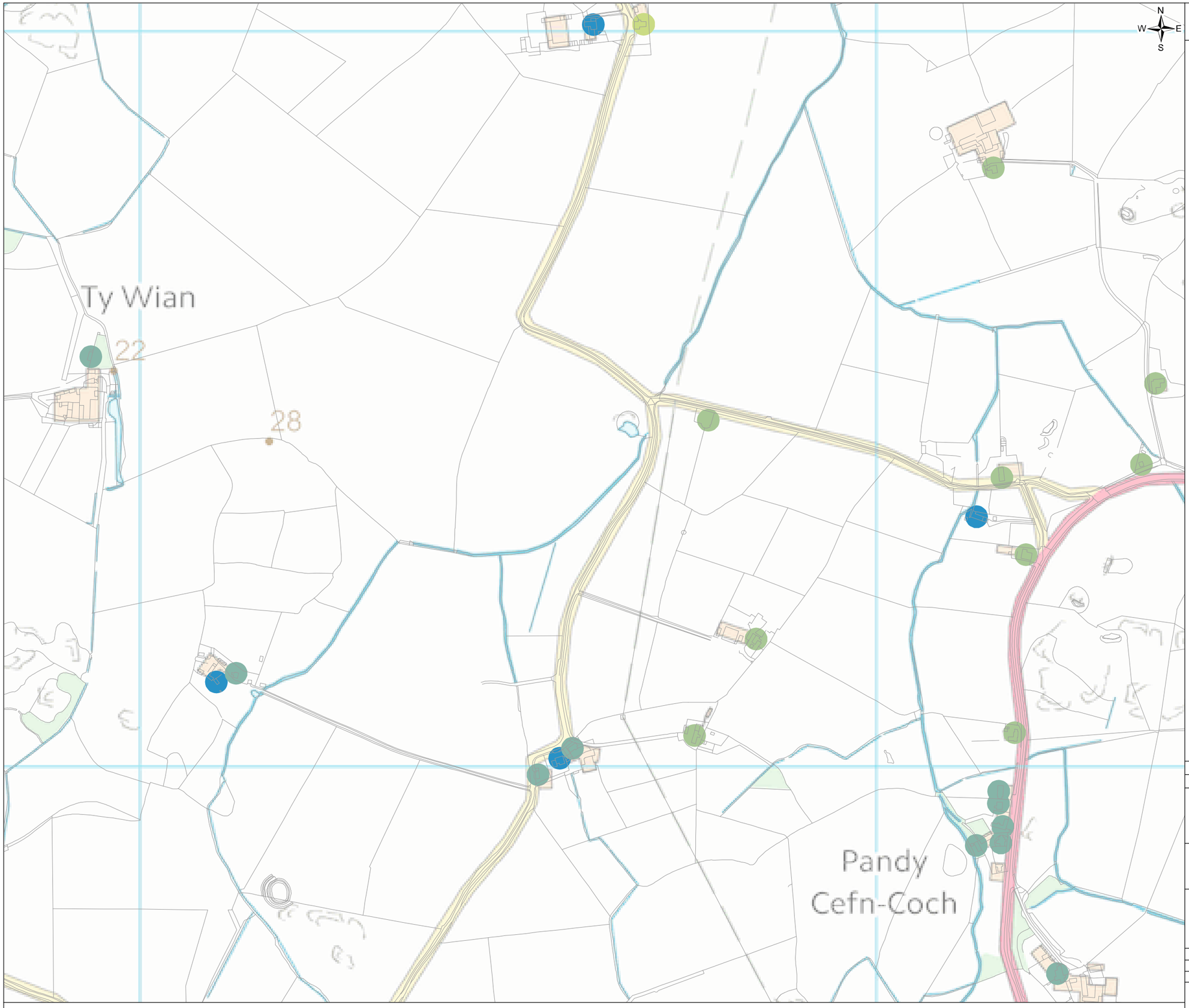


FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 6 OF 17

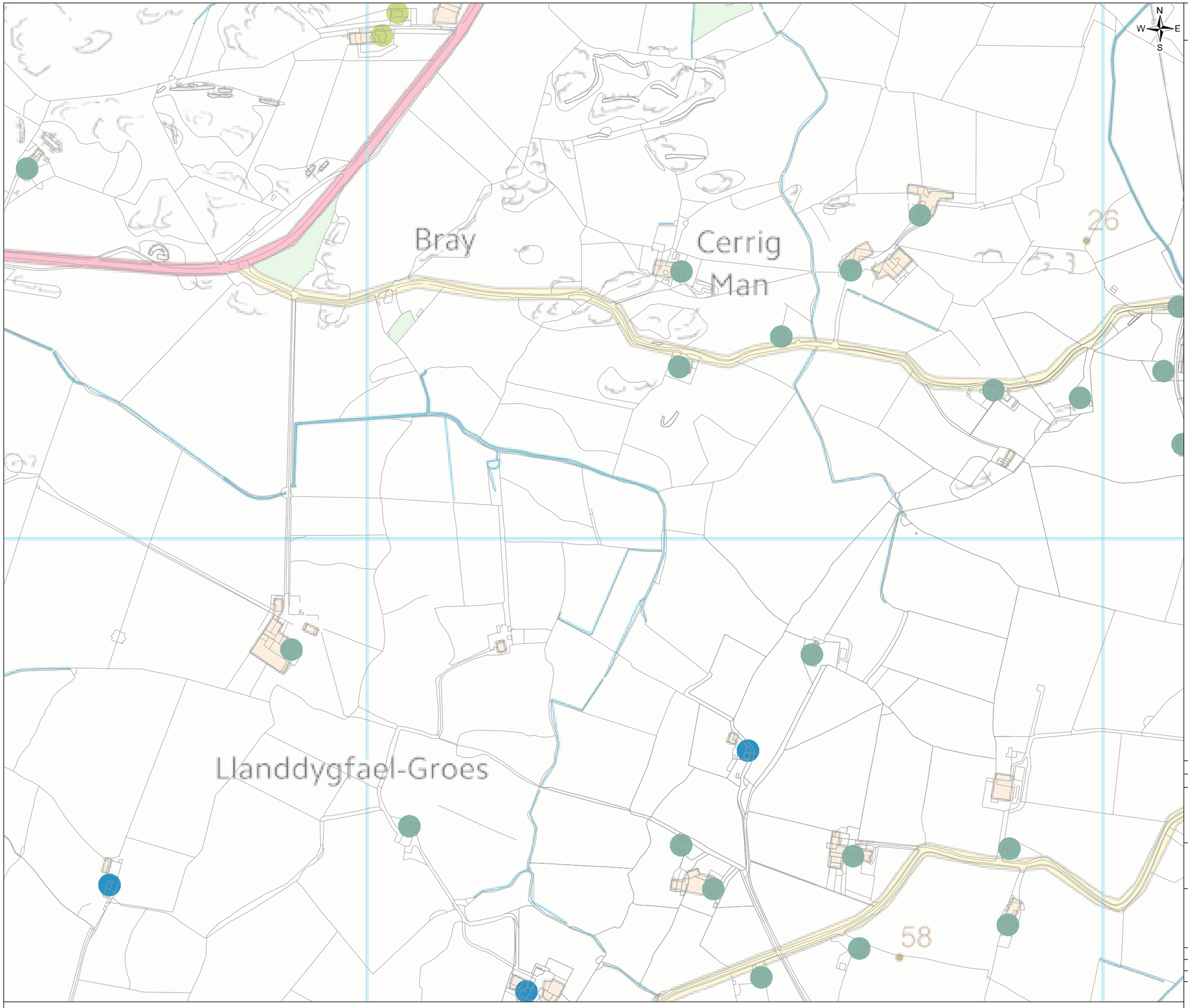
Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

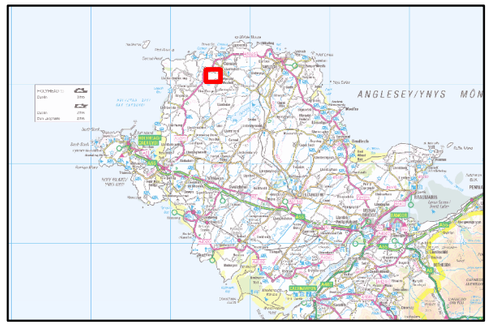
FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 7 OF 17

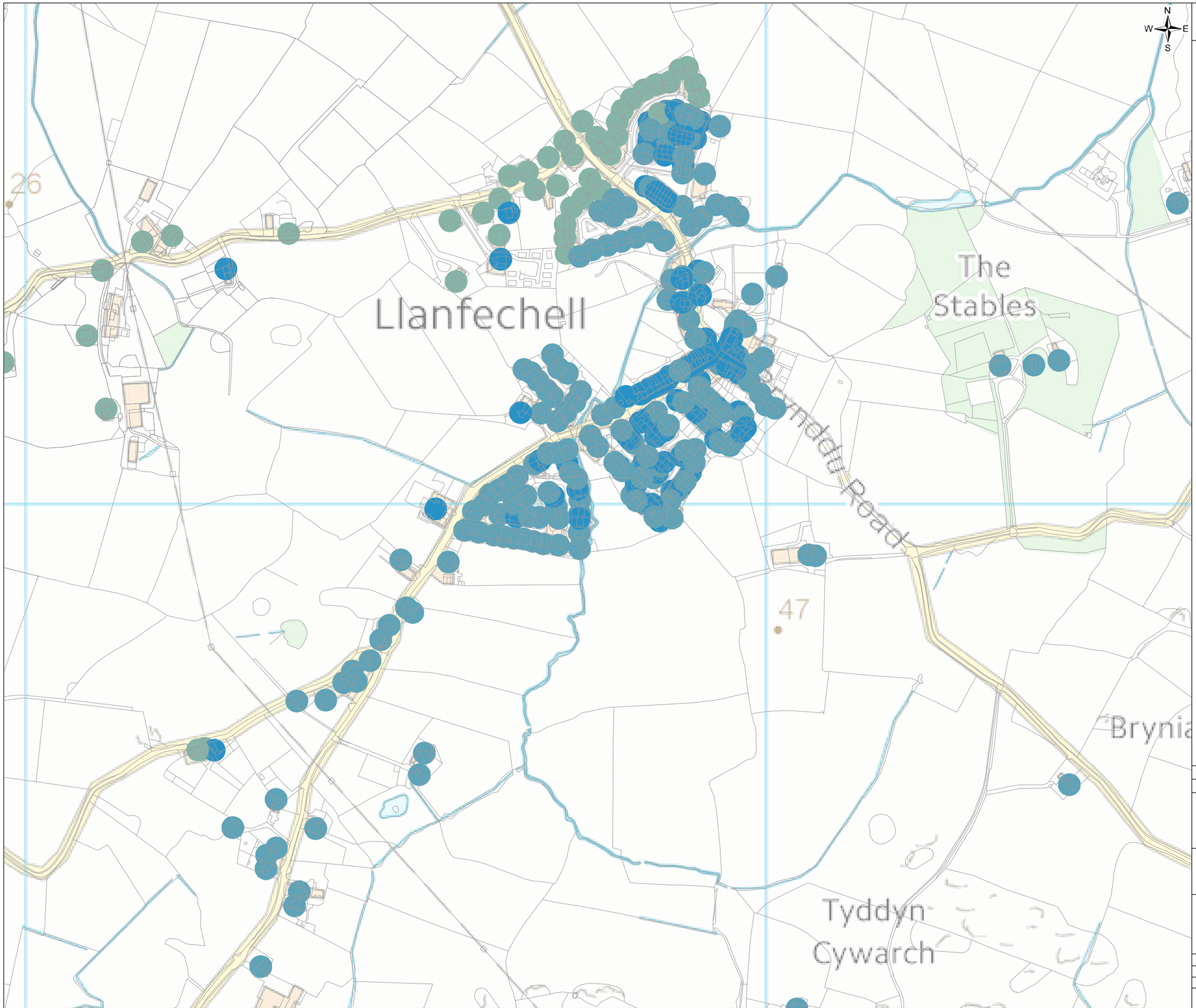
Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

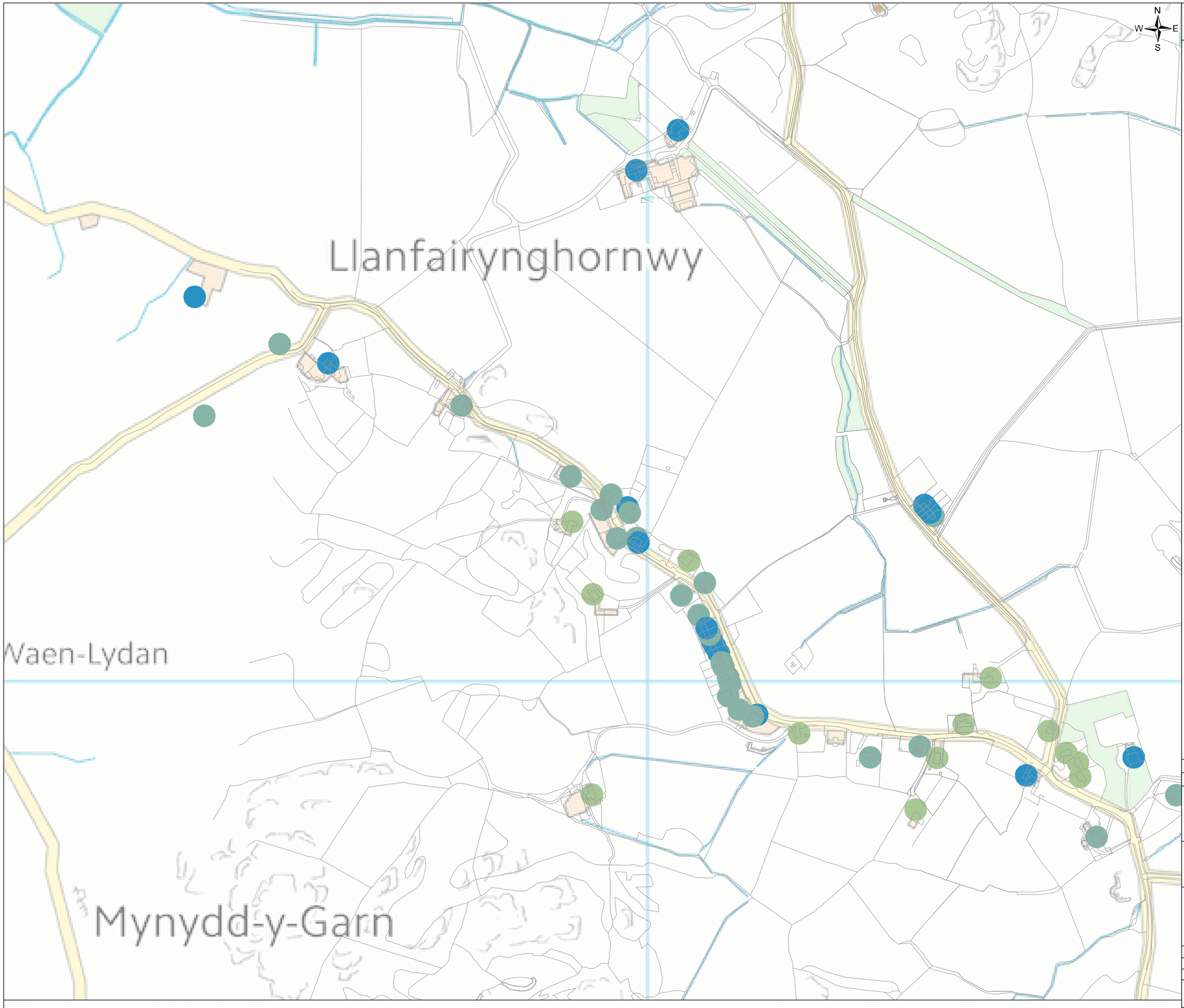
60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

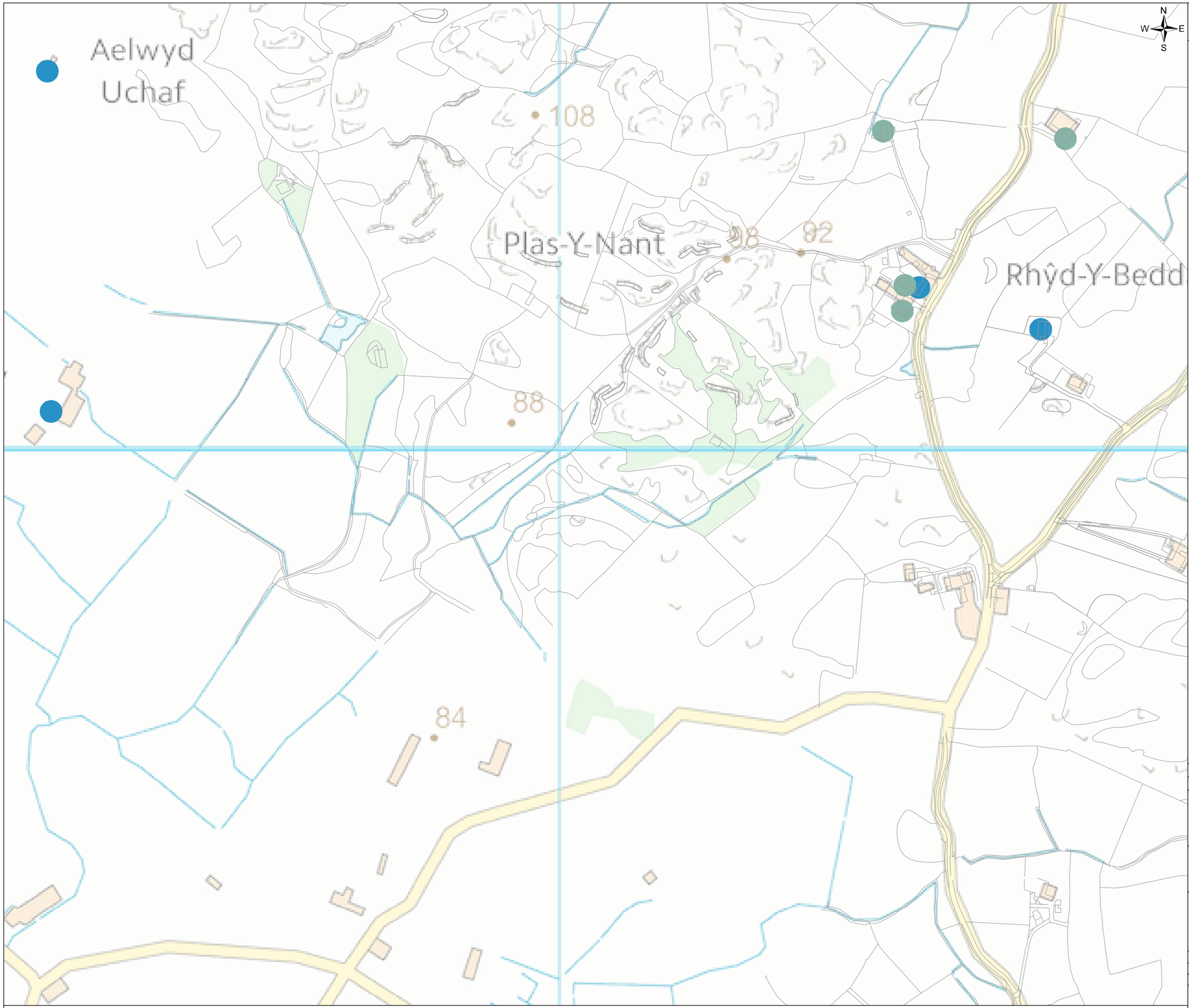


FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

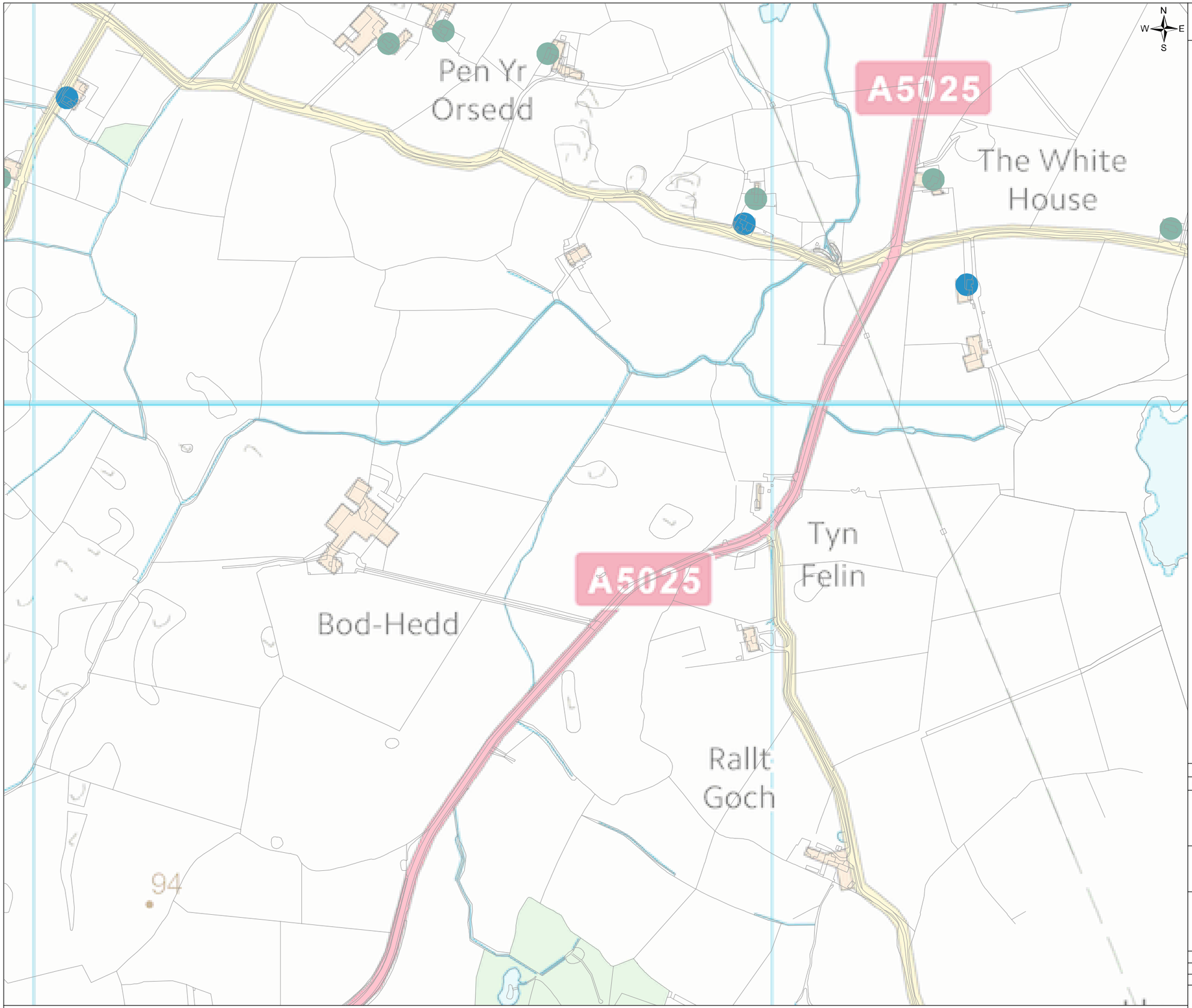
Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

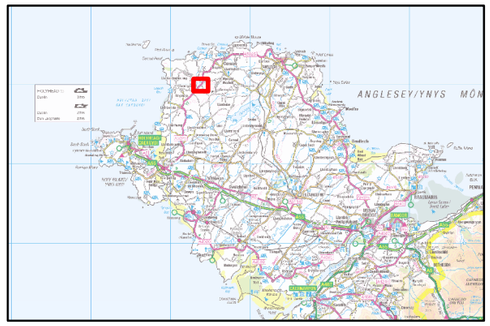
FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

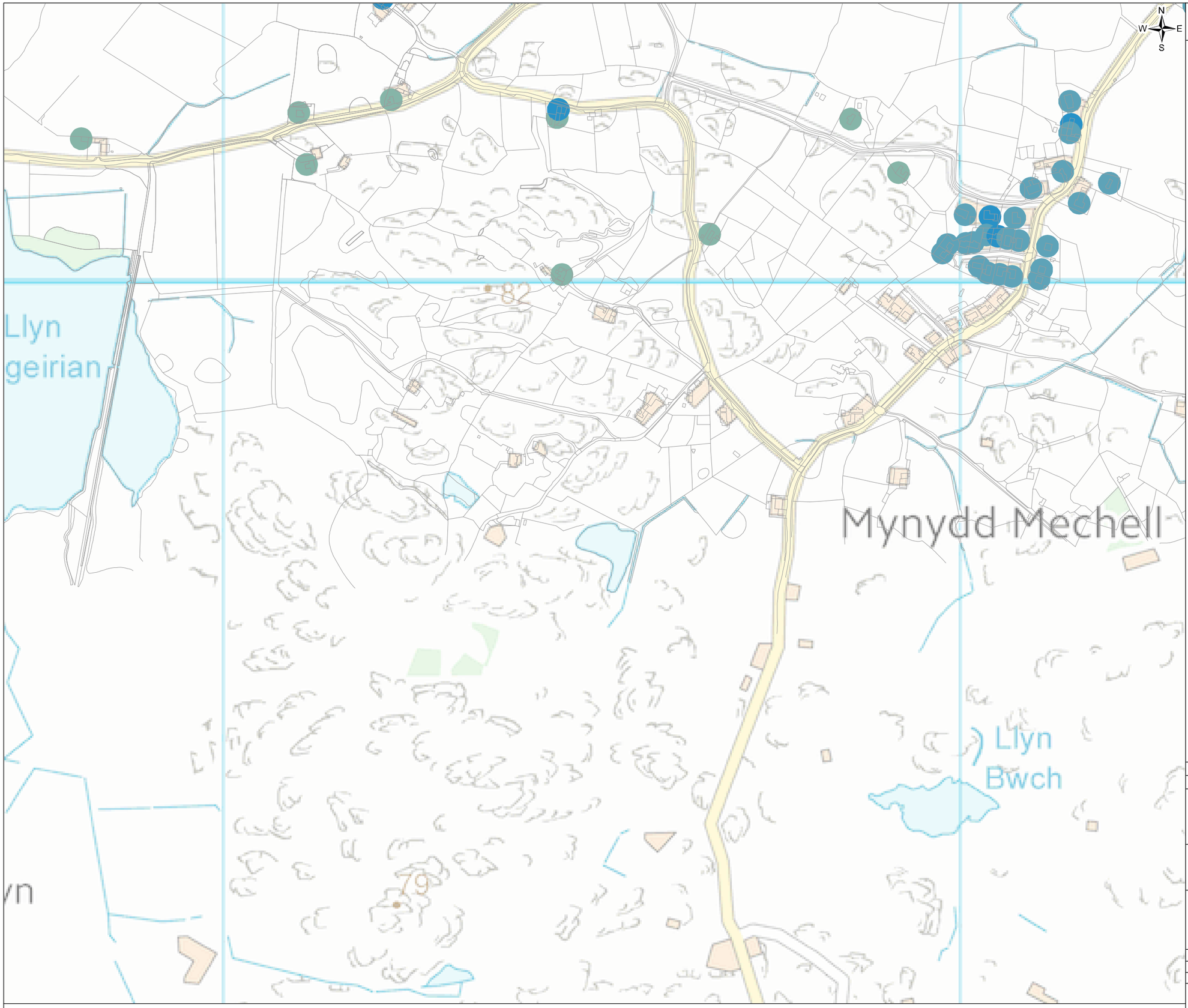
60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

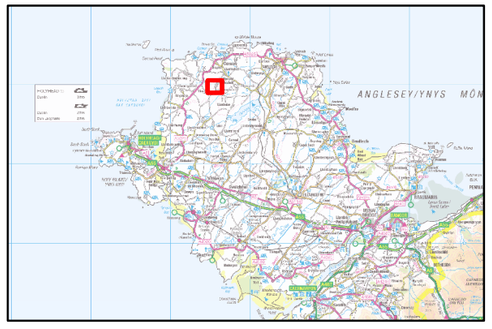
FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

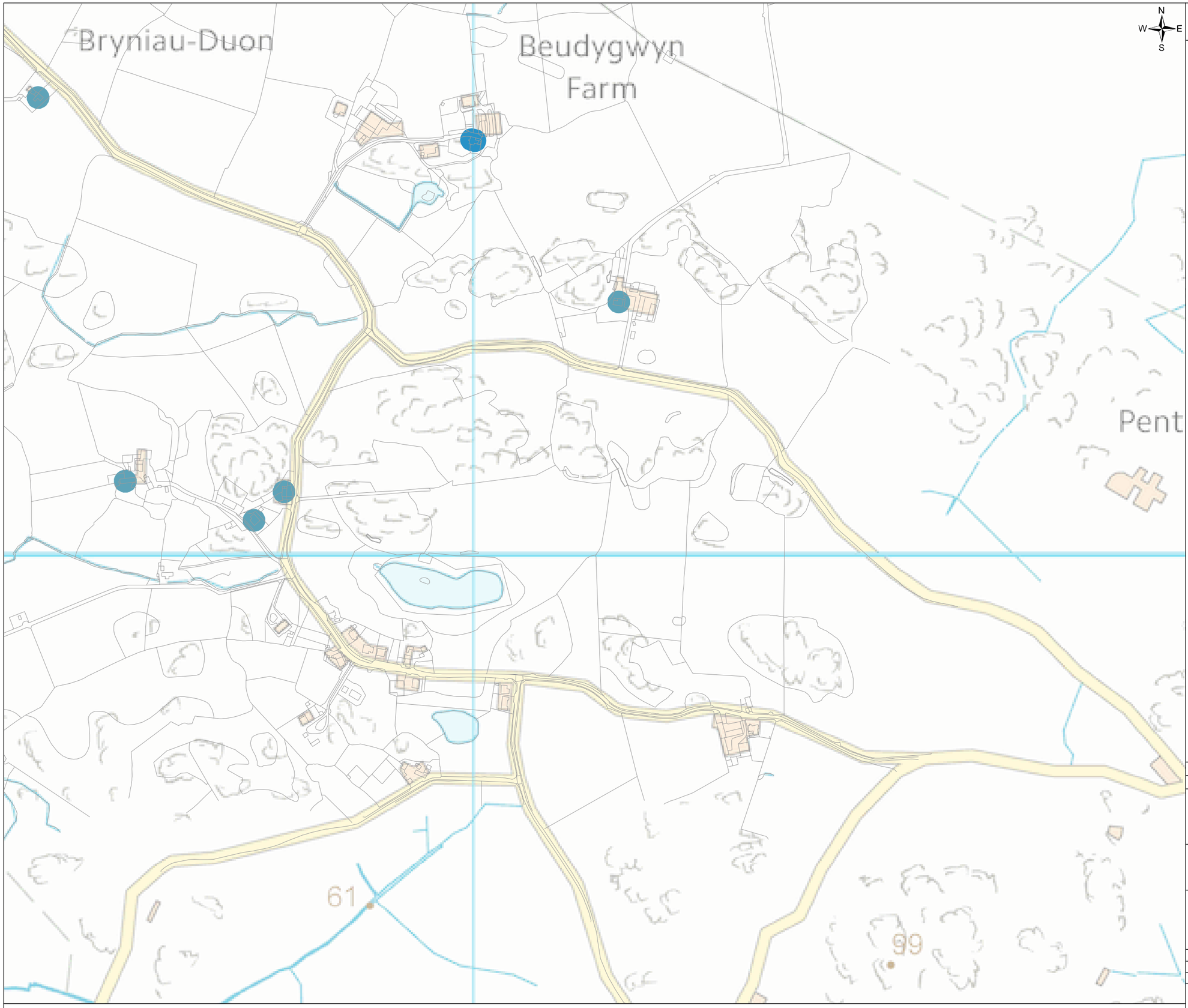


FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

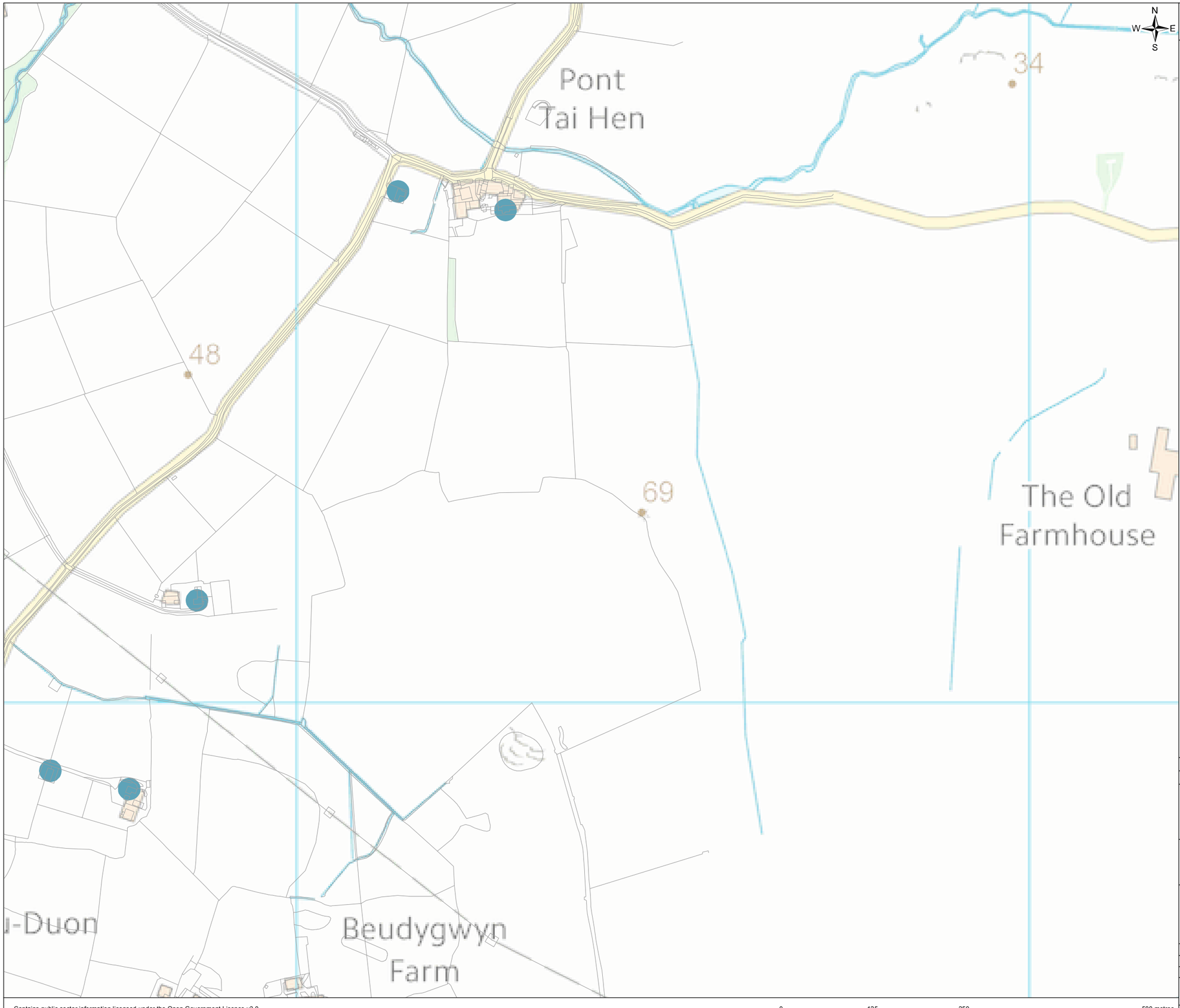
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 15



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

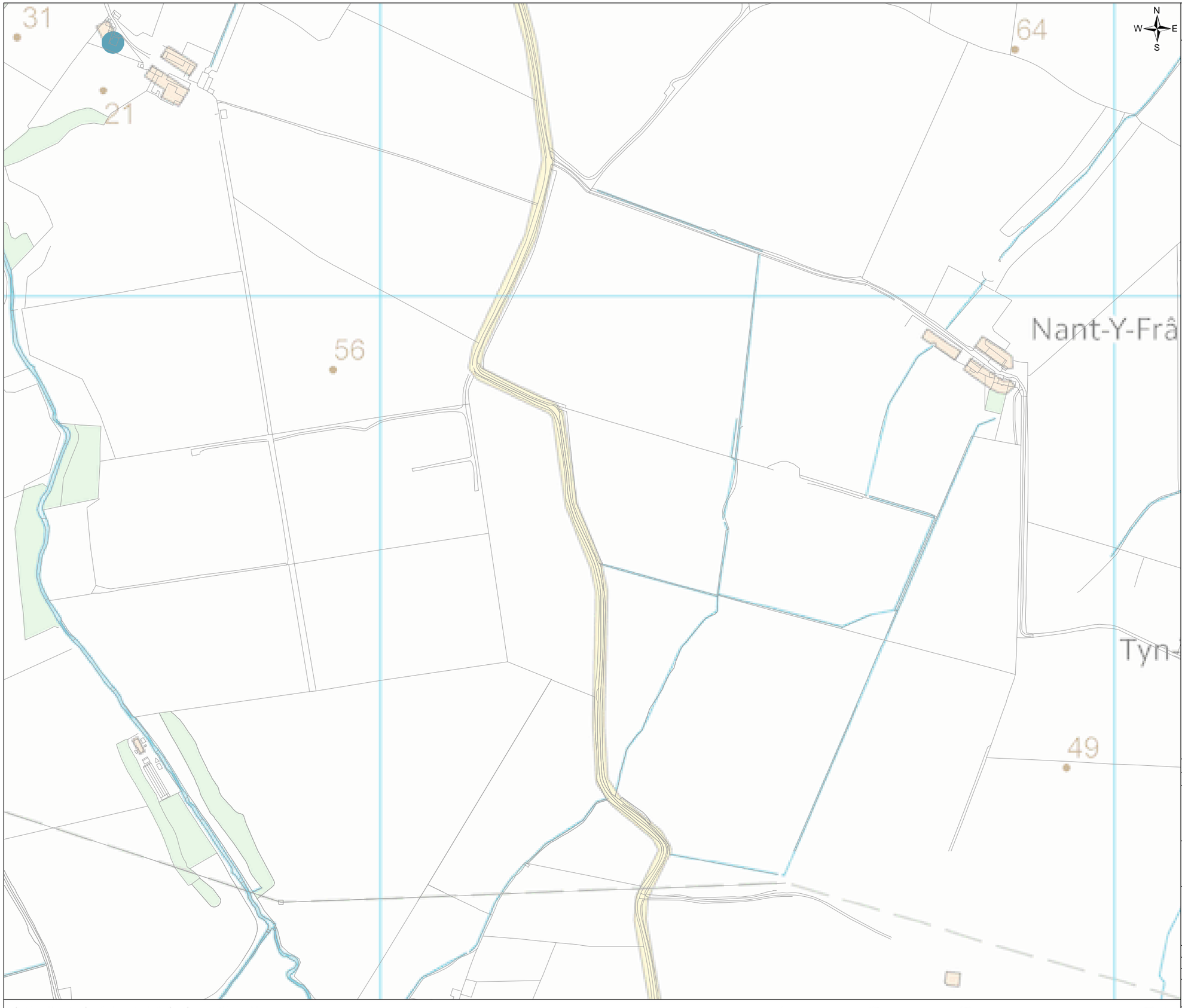


FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 16 OF 17

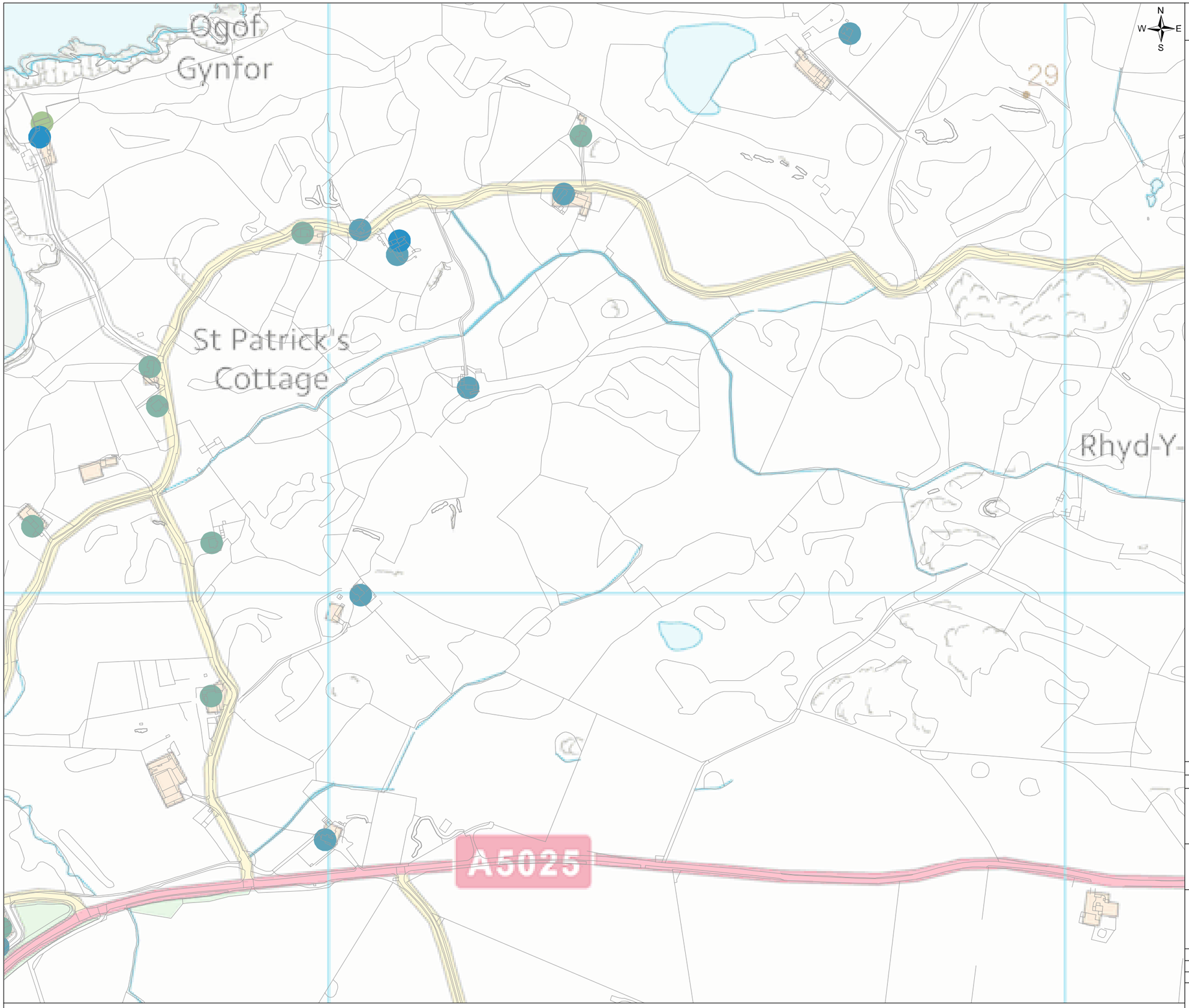
Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118



Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 15

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 58 TO 60 (NIGHT-TIME)

SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS58TO60_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

FIGURE 16

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26
N
W
E
S
0
125
250
500 metres

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (DAYTIME)

SHEET 3 OF 17

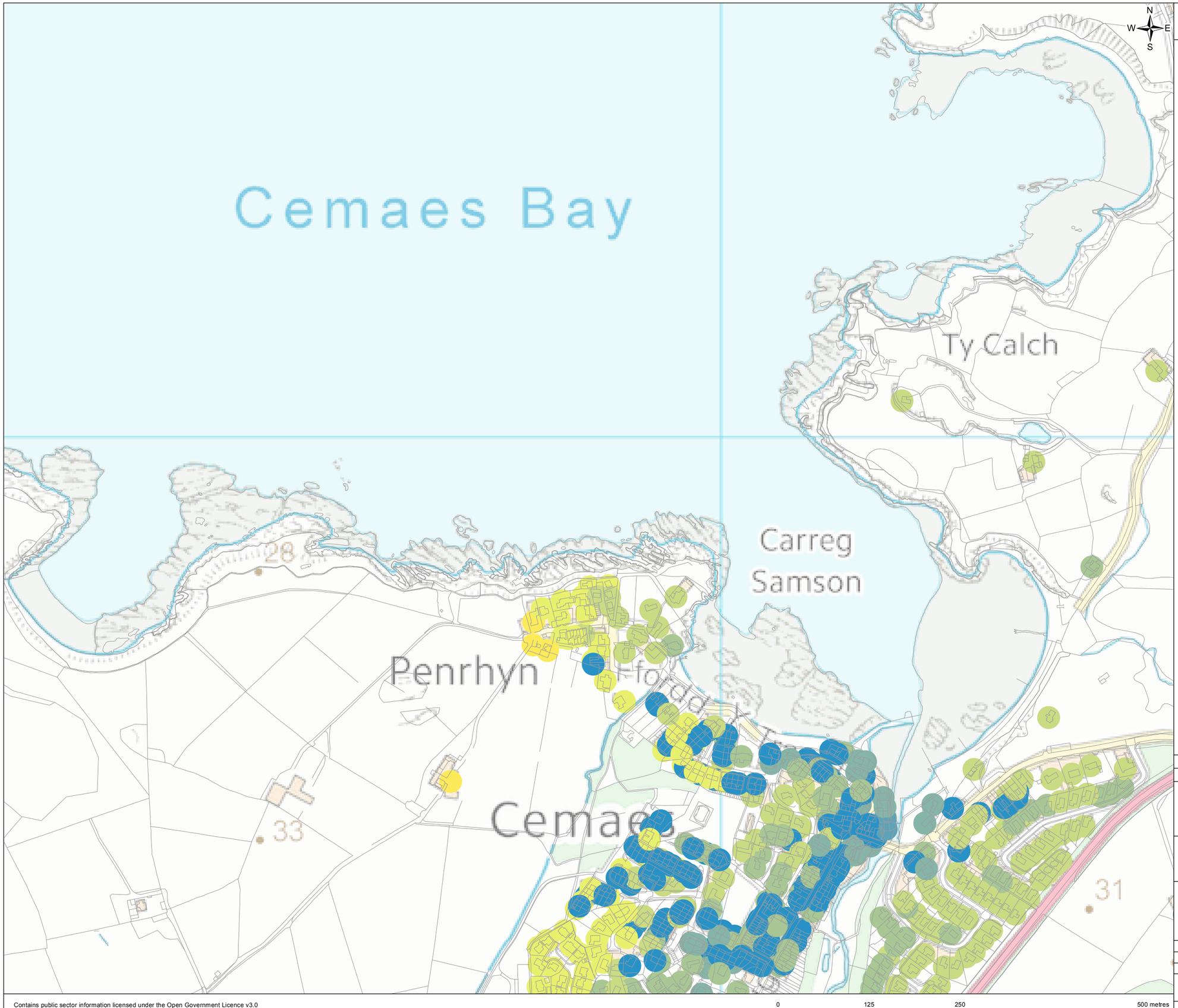
Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

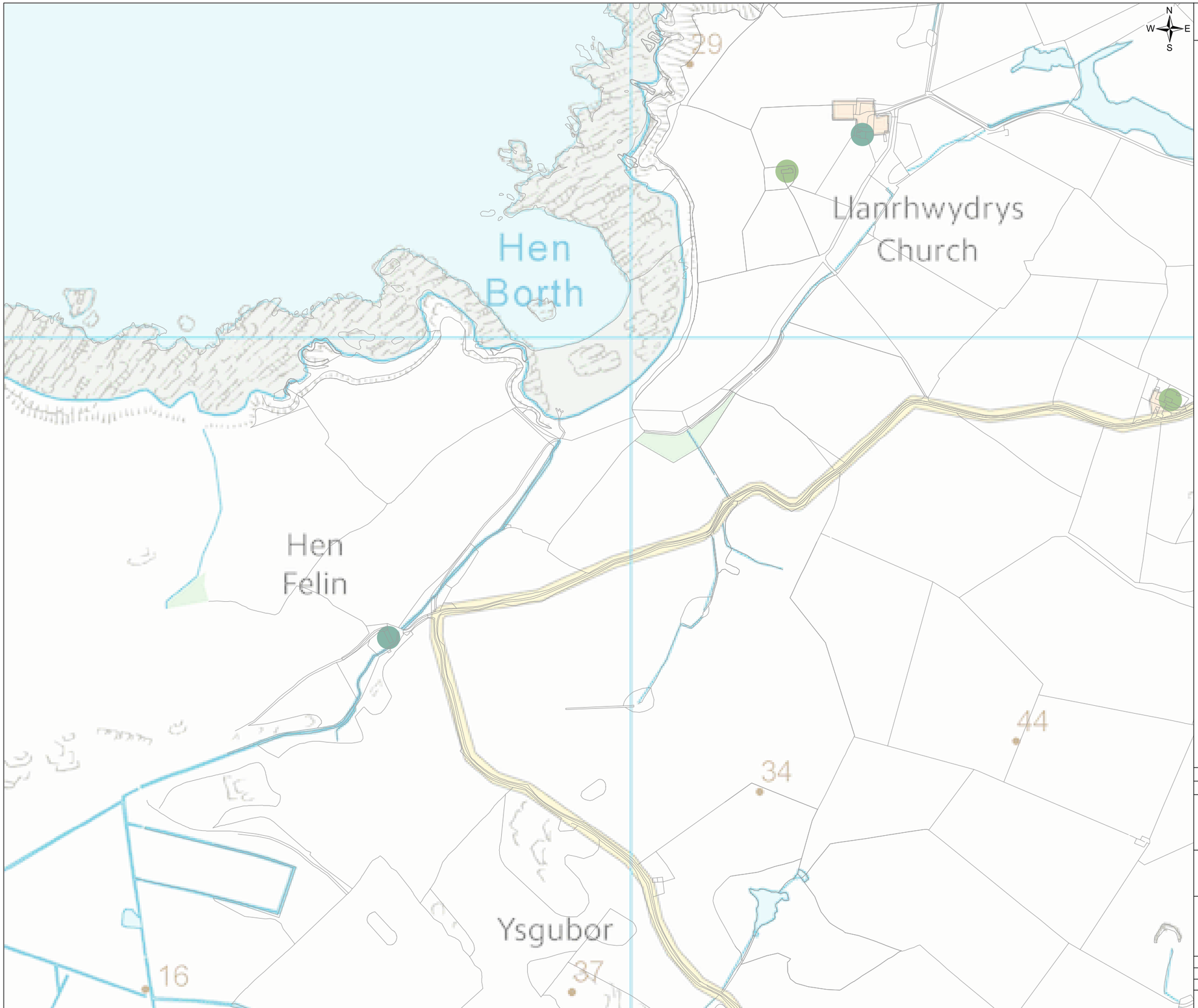
60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (DAYTIME)
SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

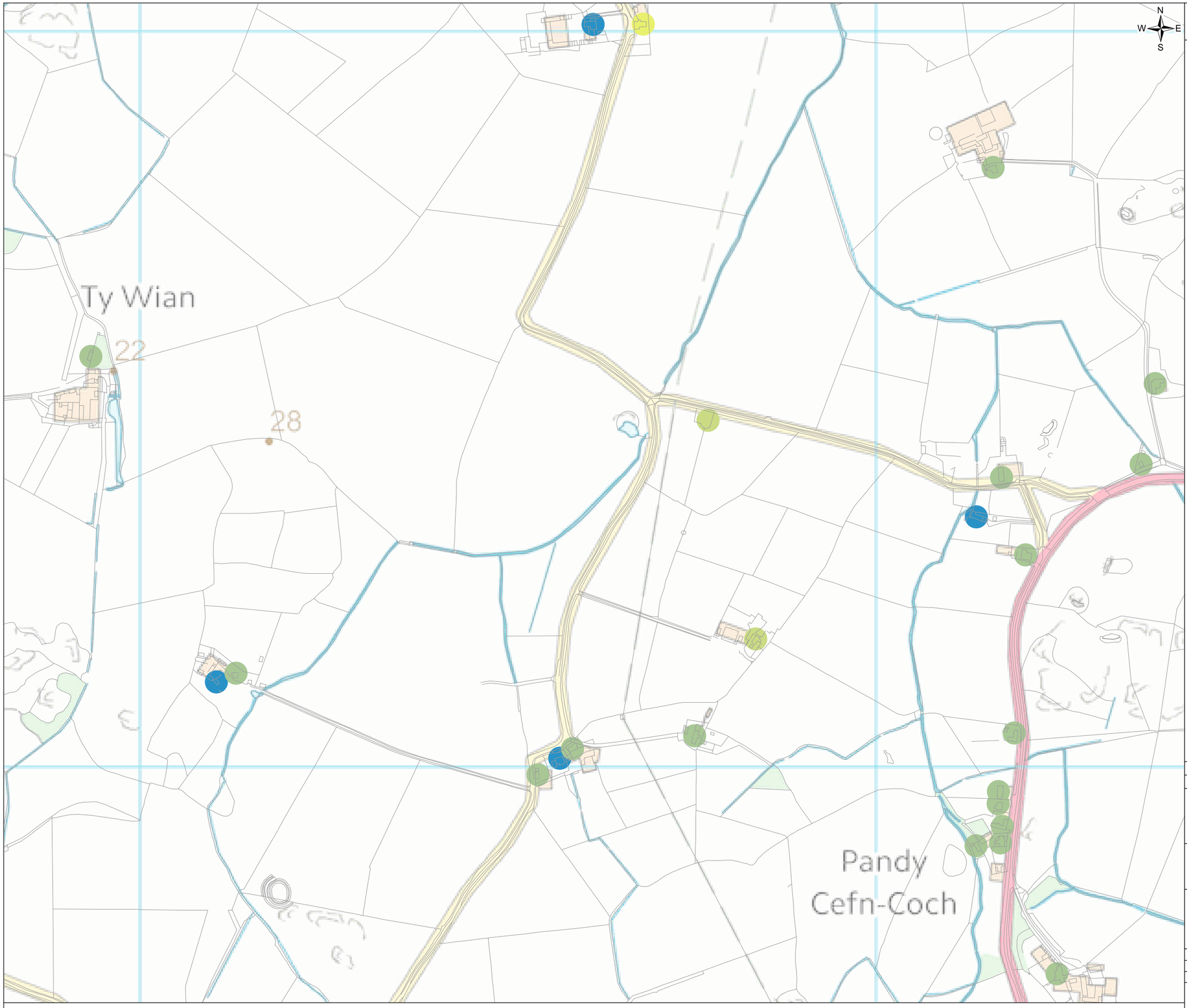
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (DAYTIME)

SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

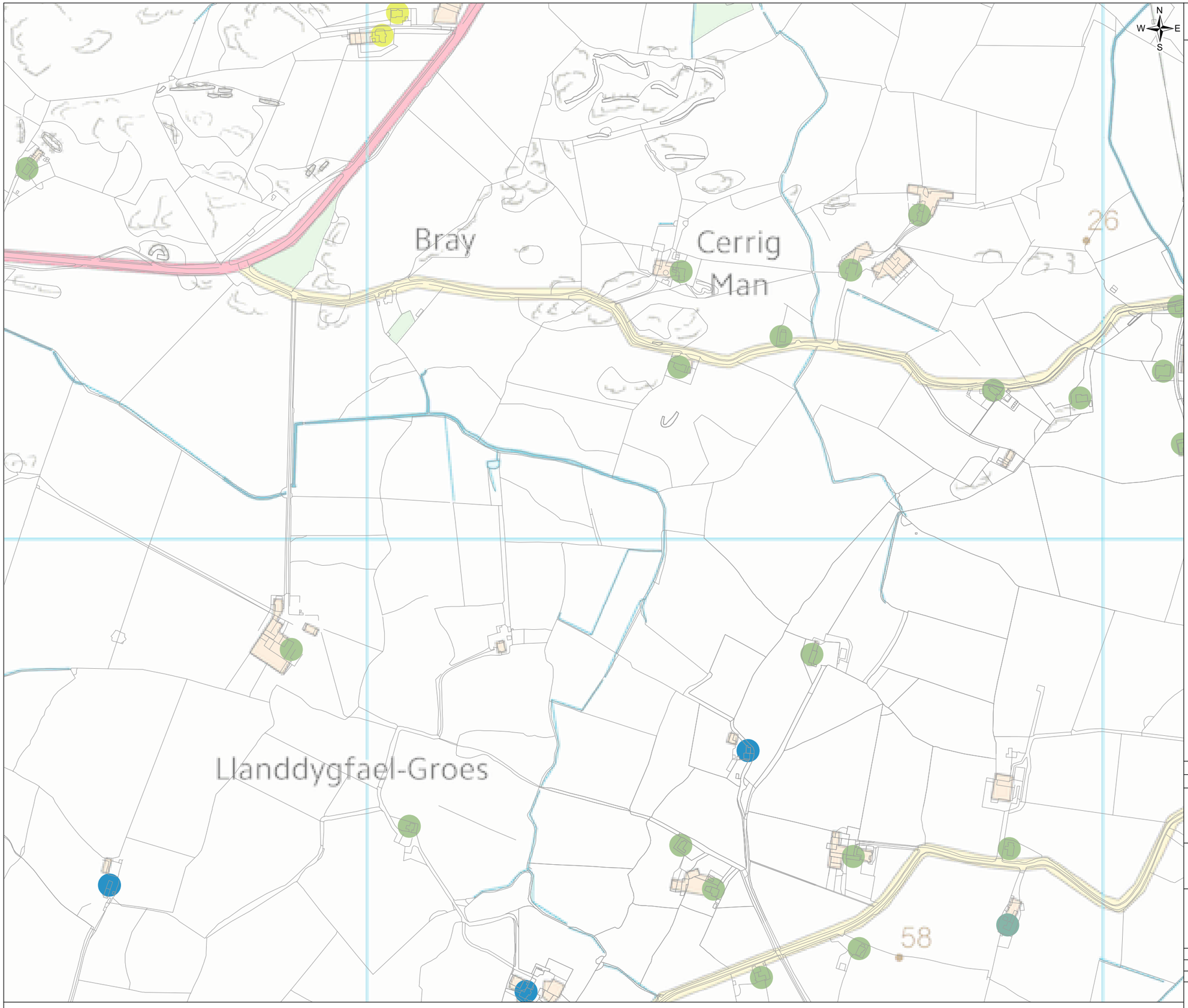
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

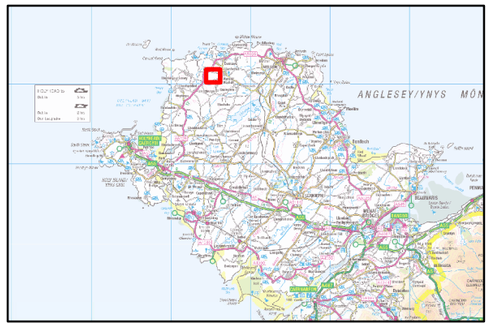
FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

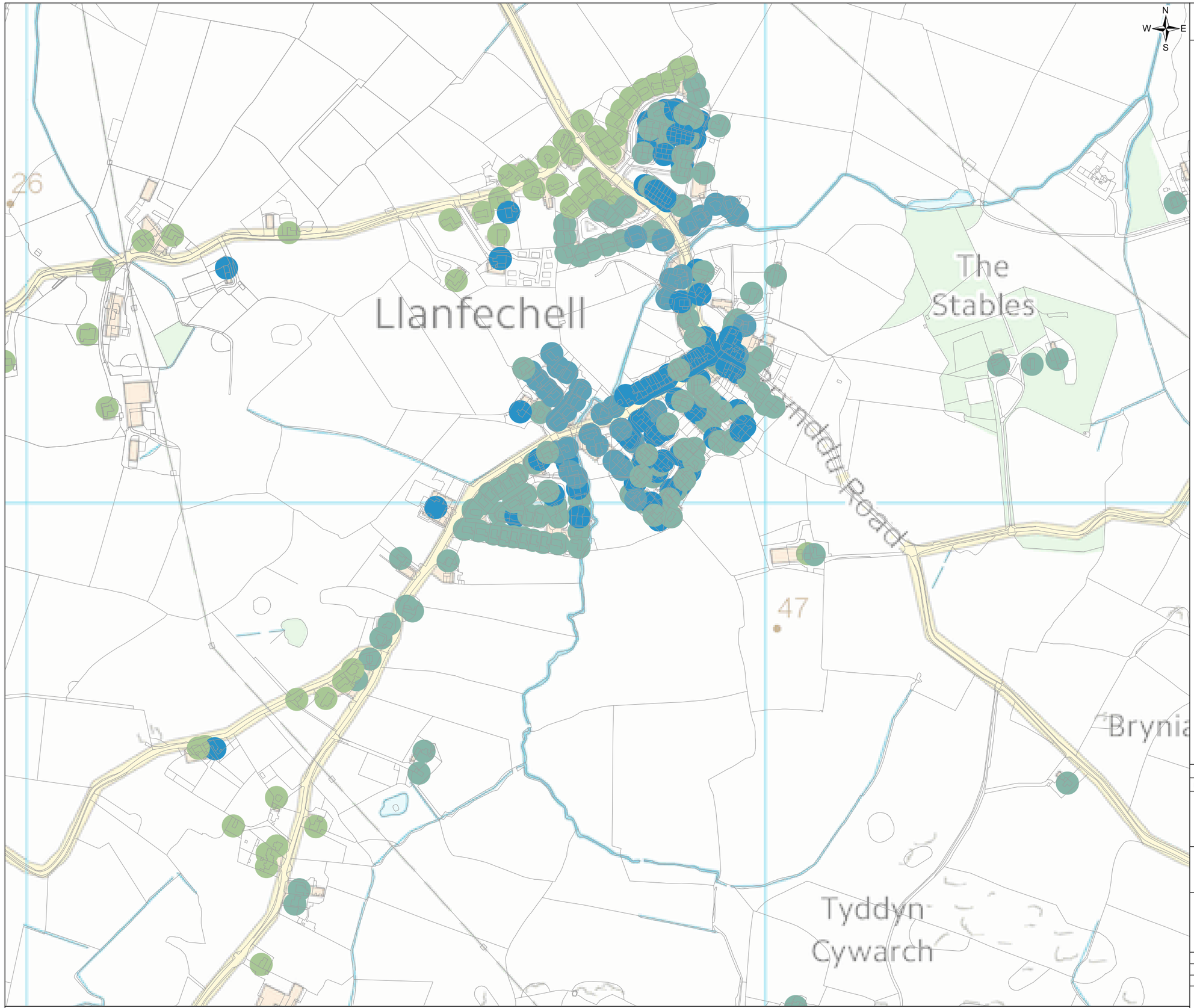
60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

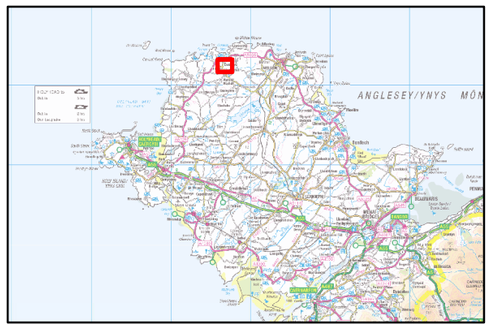
0 125 250 500 metres

FIGURE 16

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (DAYTIME)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

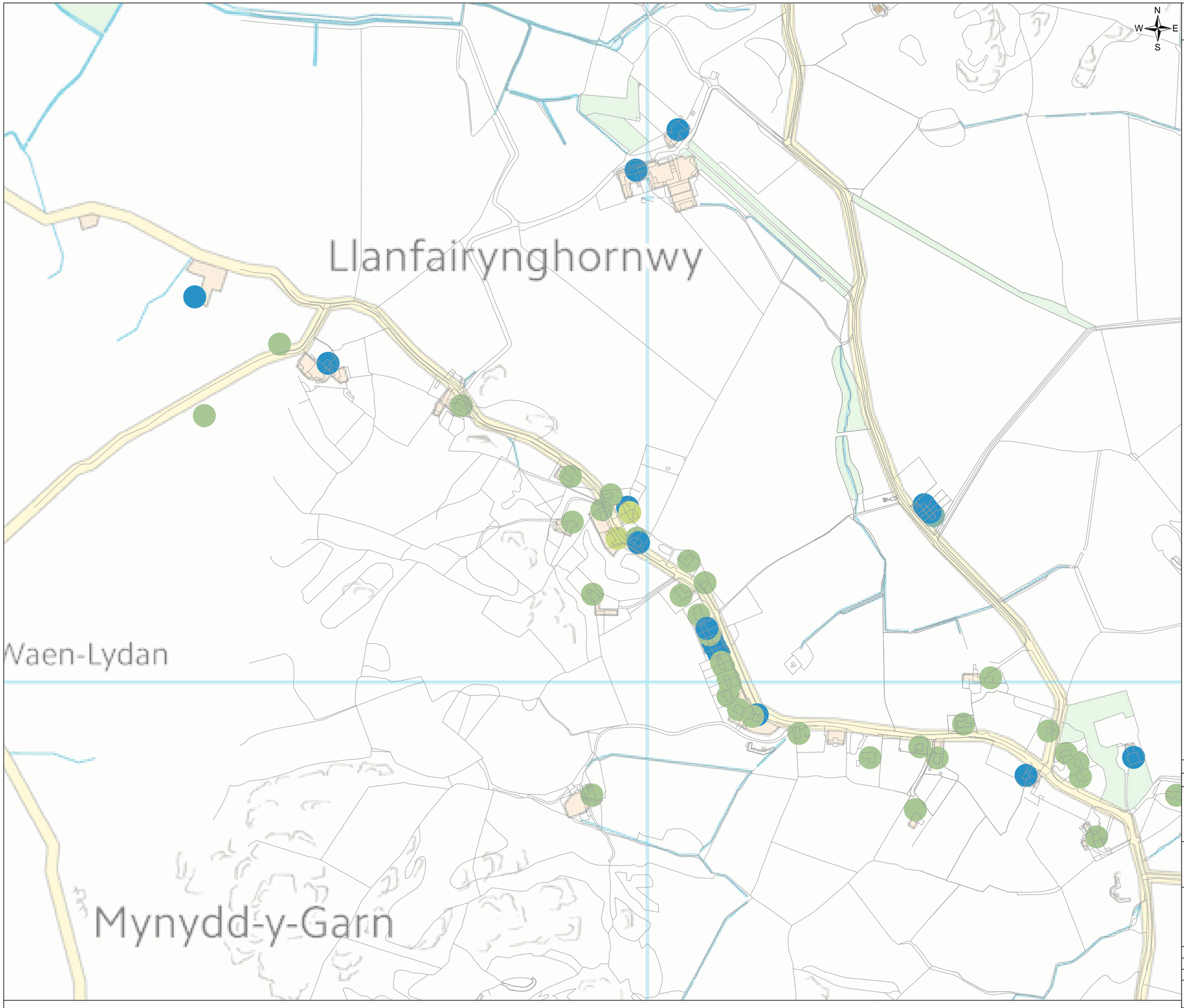
Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (DAYTIME)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16

Aelwyd Uchaf

Plas-Y-Nant

Rhŷd-Y-Bedd

108

98

92

88

84

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

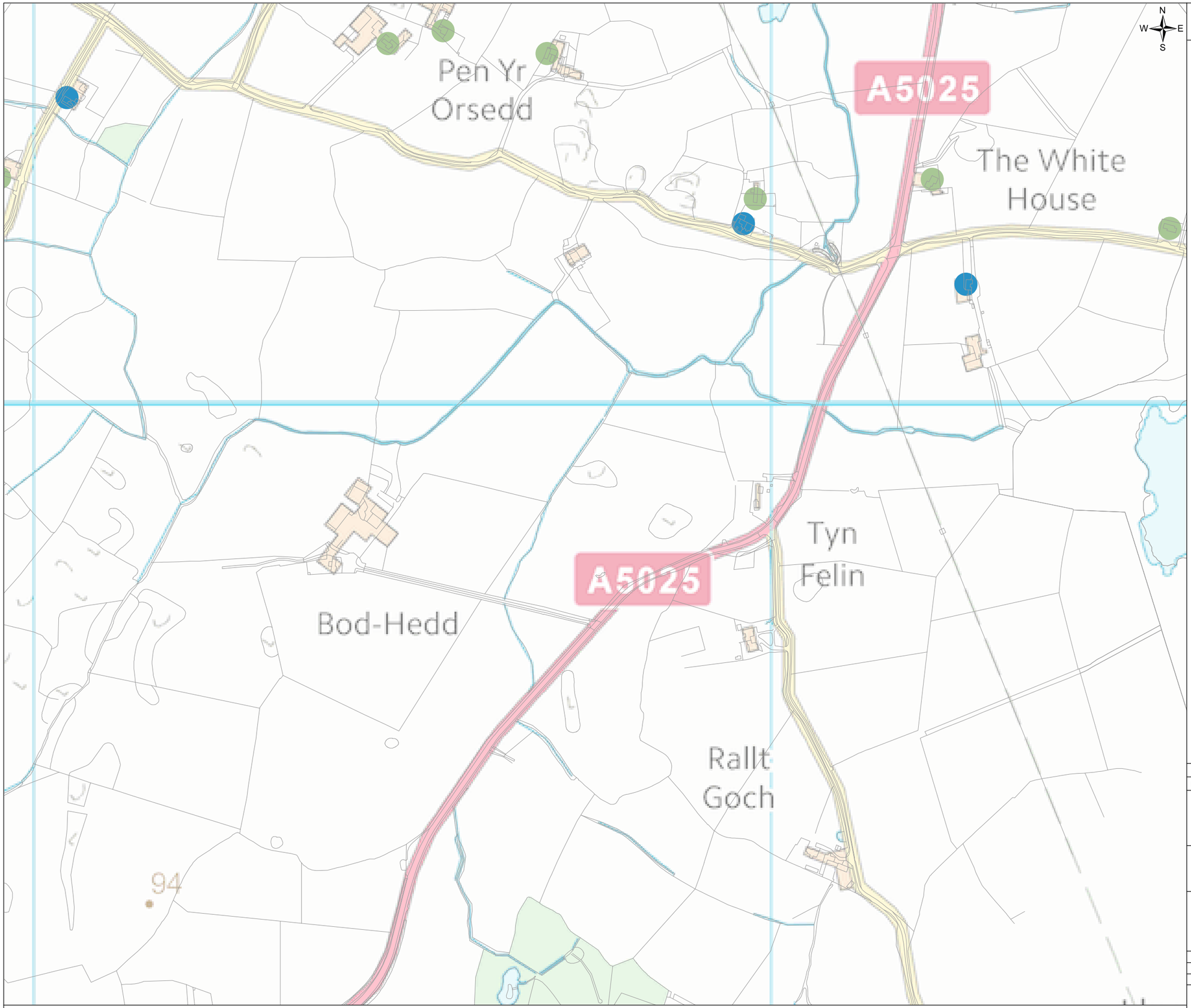
60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

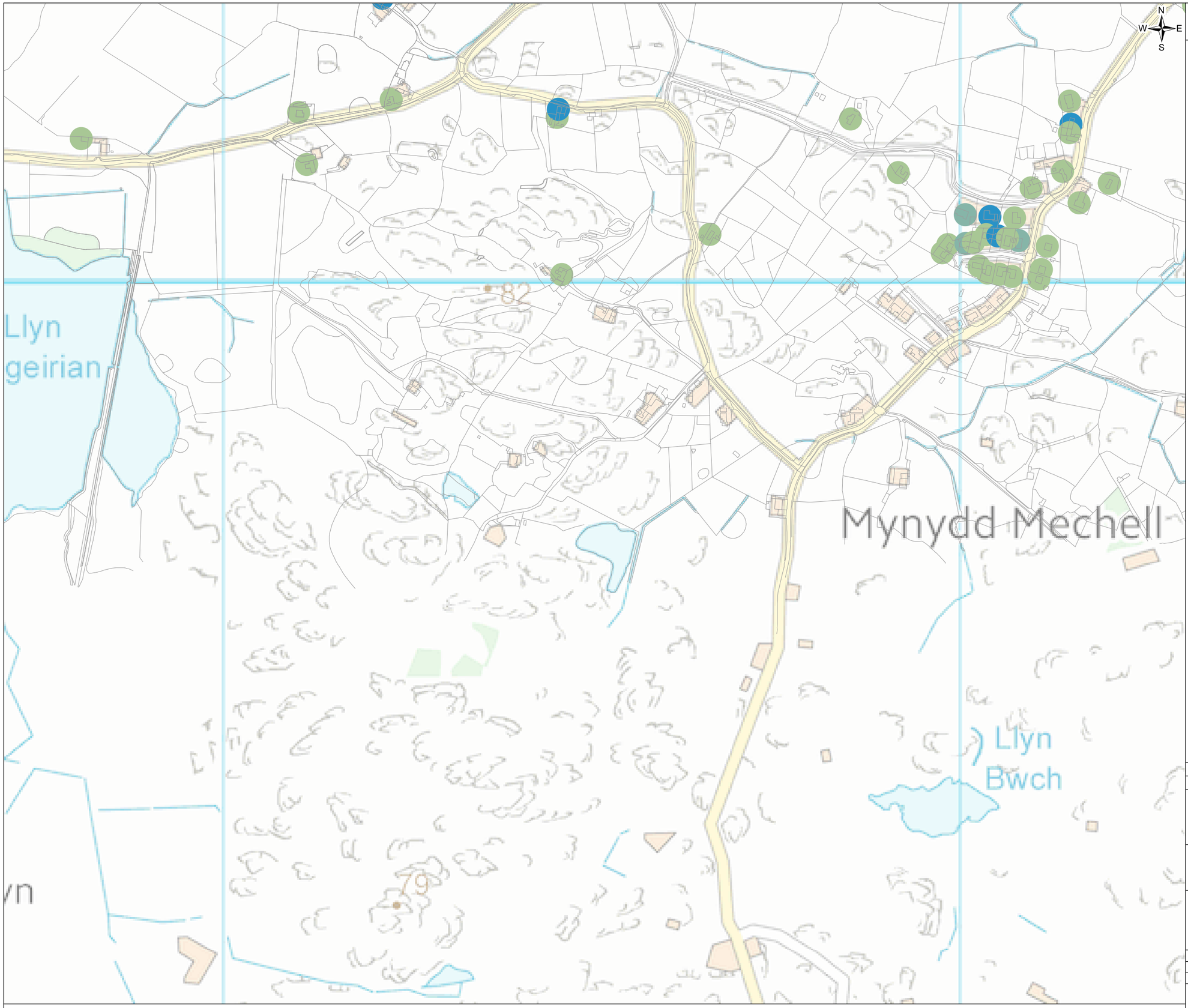
60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

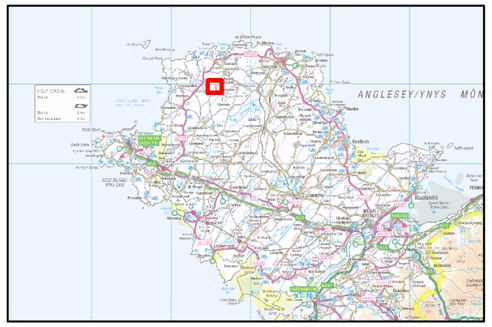
FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (DAYTIME)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

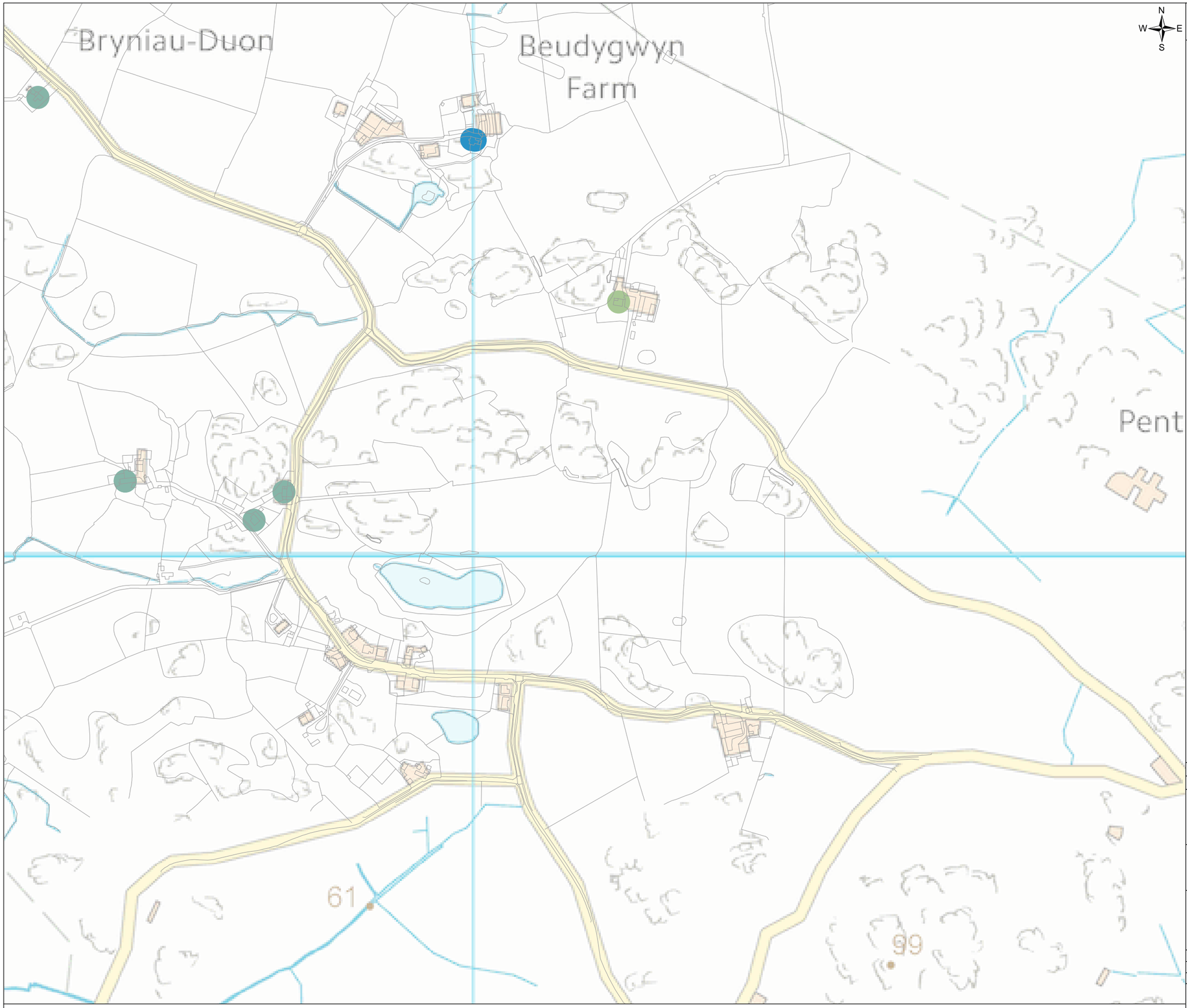


FIGURE 16

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

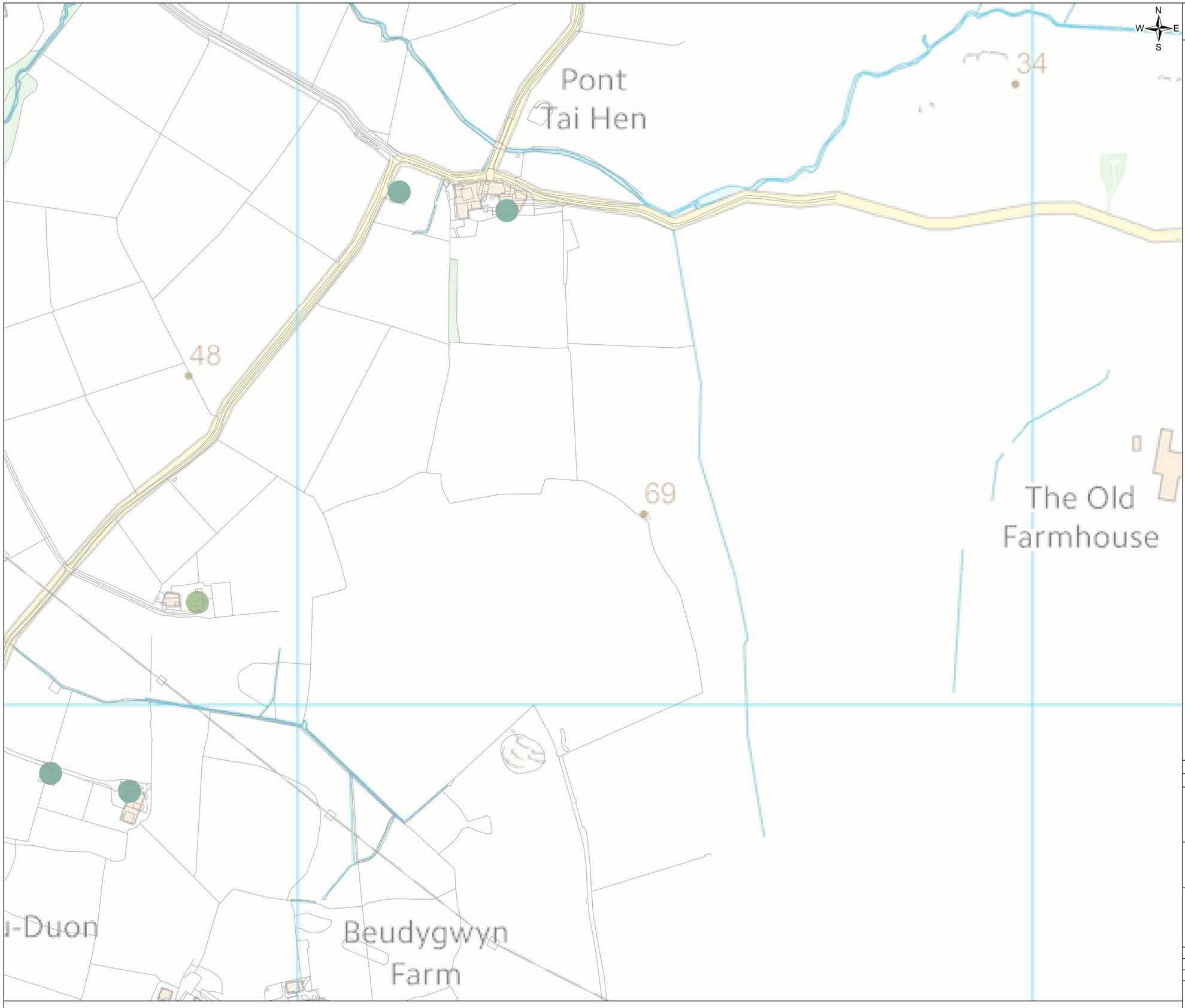
60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

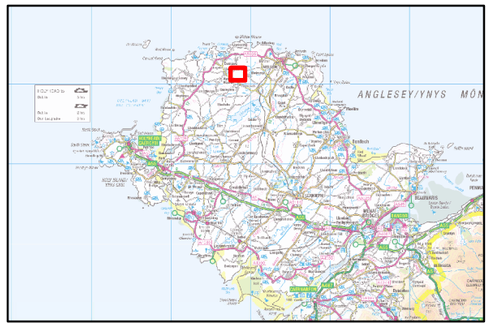
FIGURE 16



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

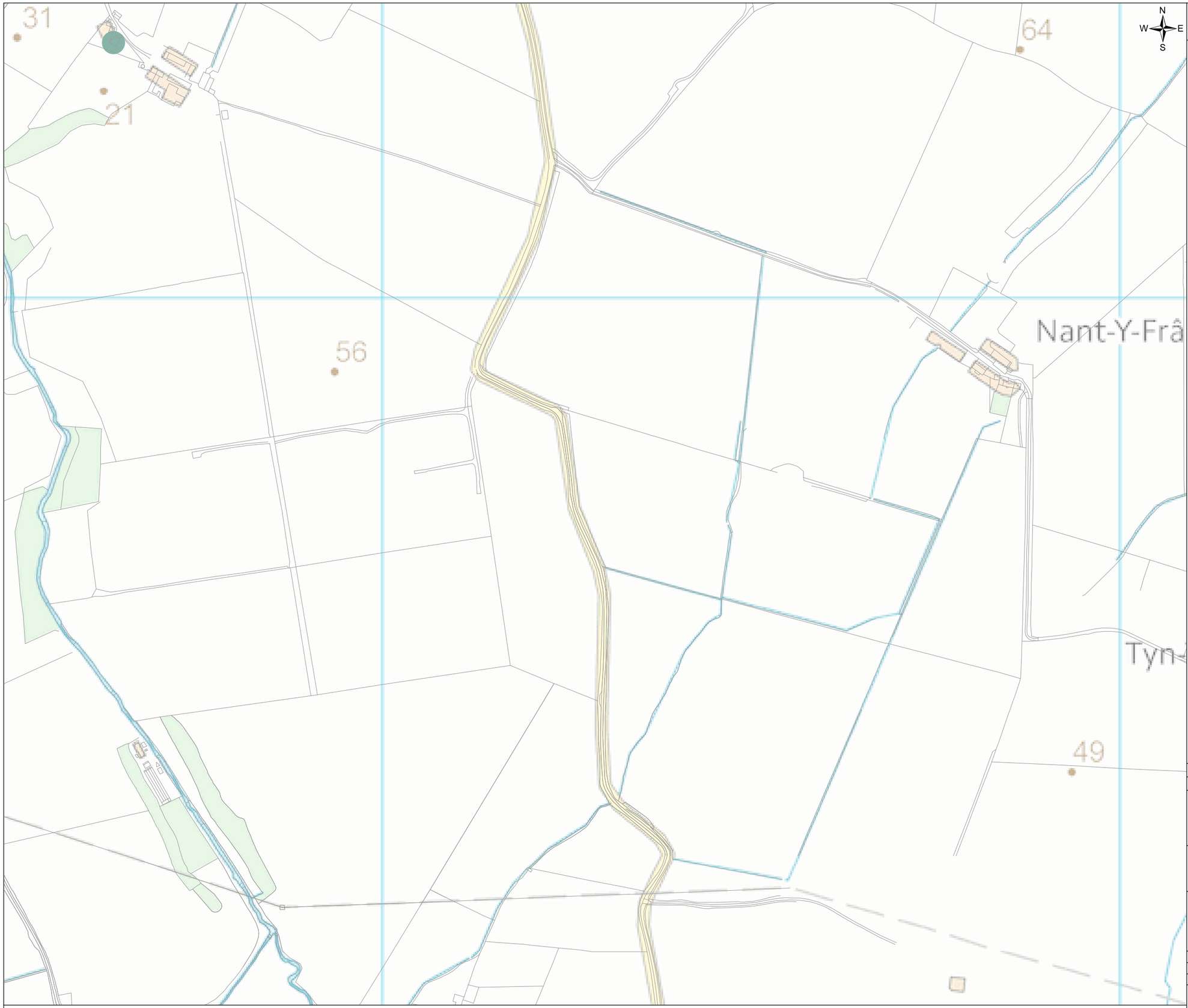


FIGURE 16

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (DAYTIME)

SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

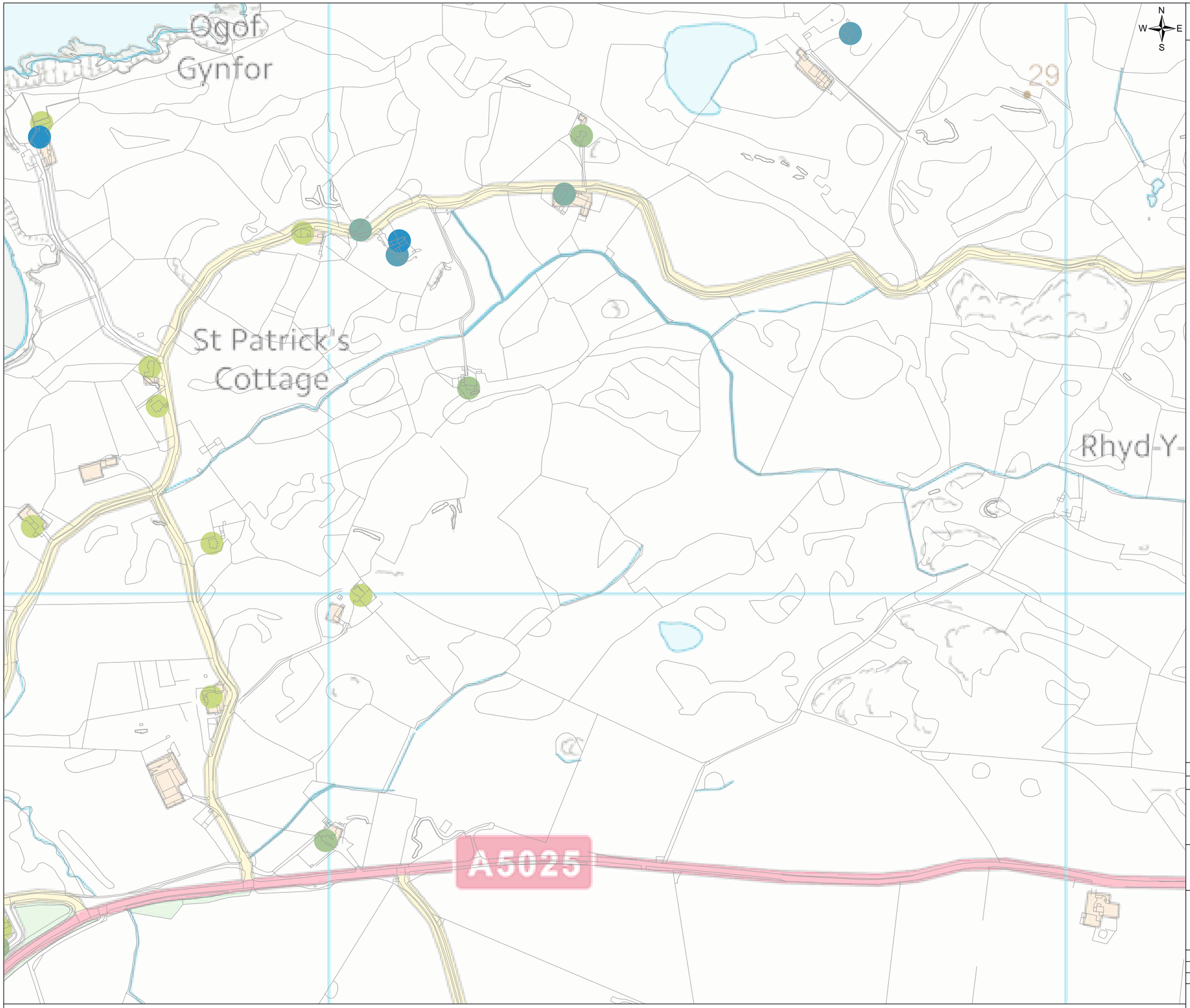


FIGURE 16

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (DAYTIME)

SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

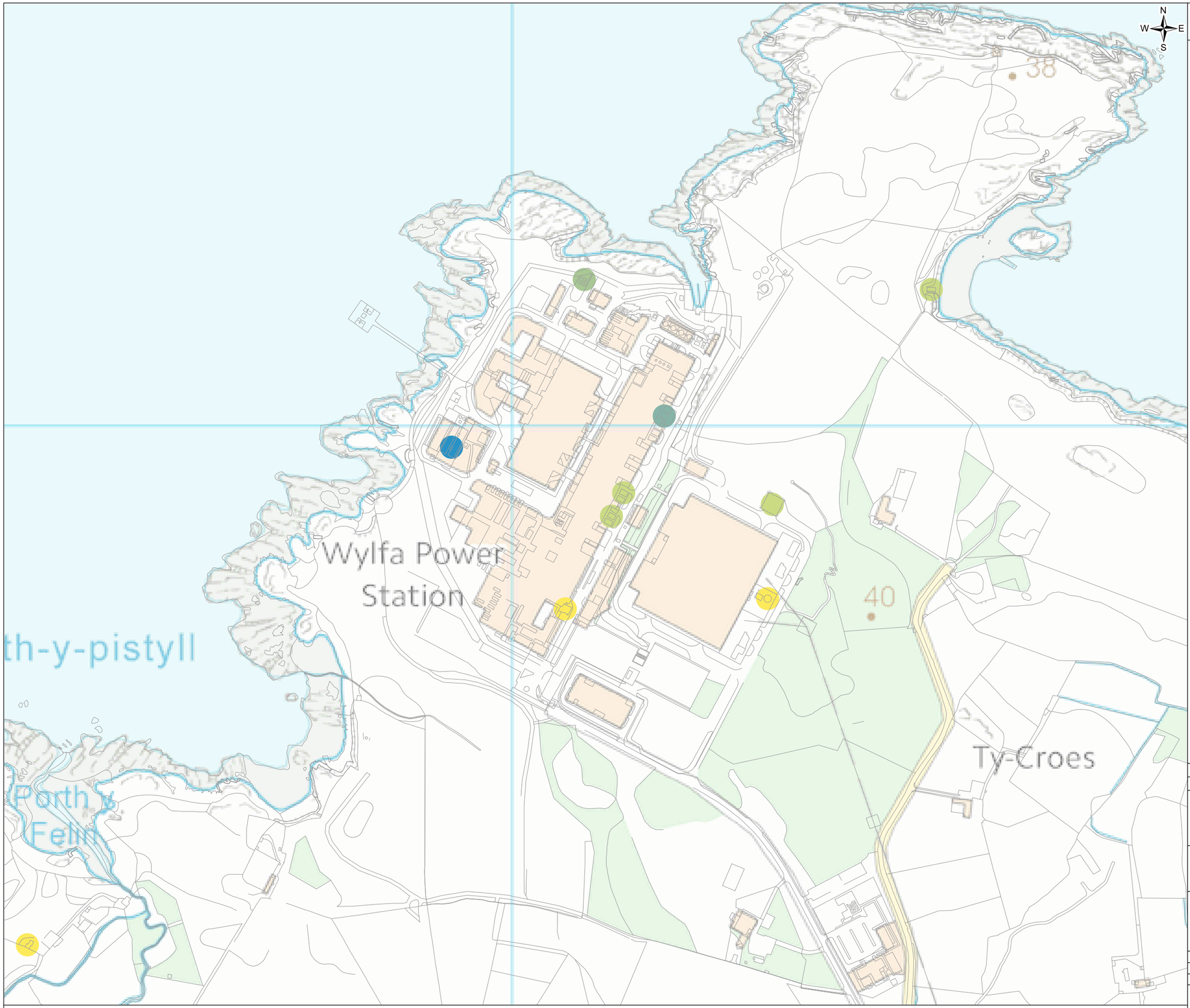
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS100TO102_DAYTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

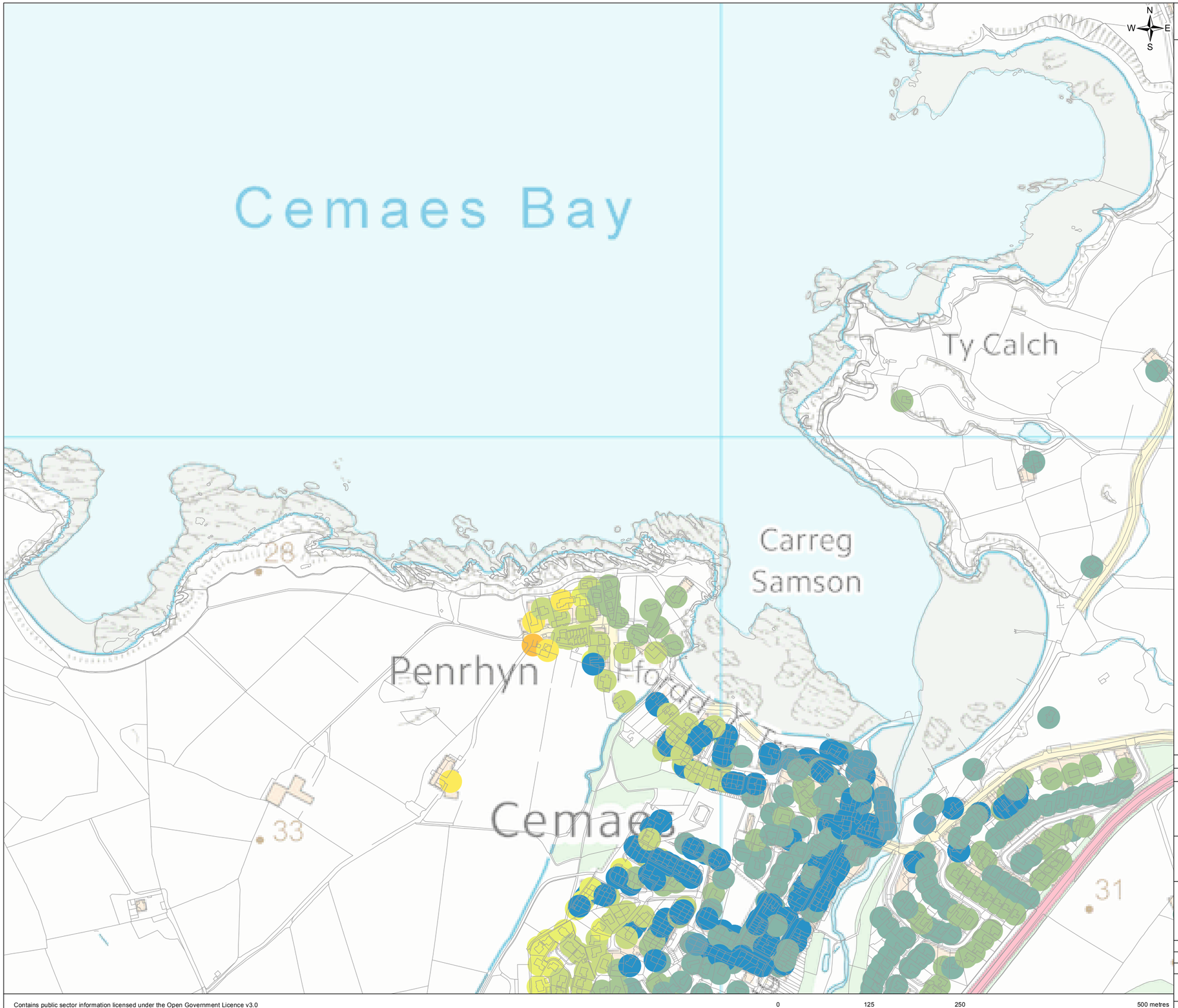
60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (EVENING)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

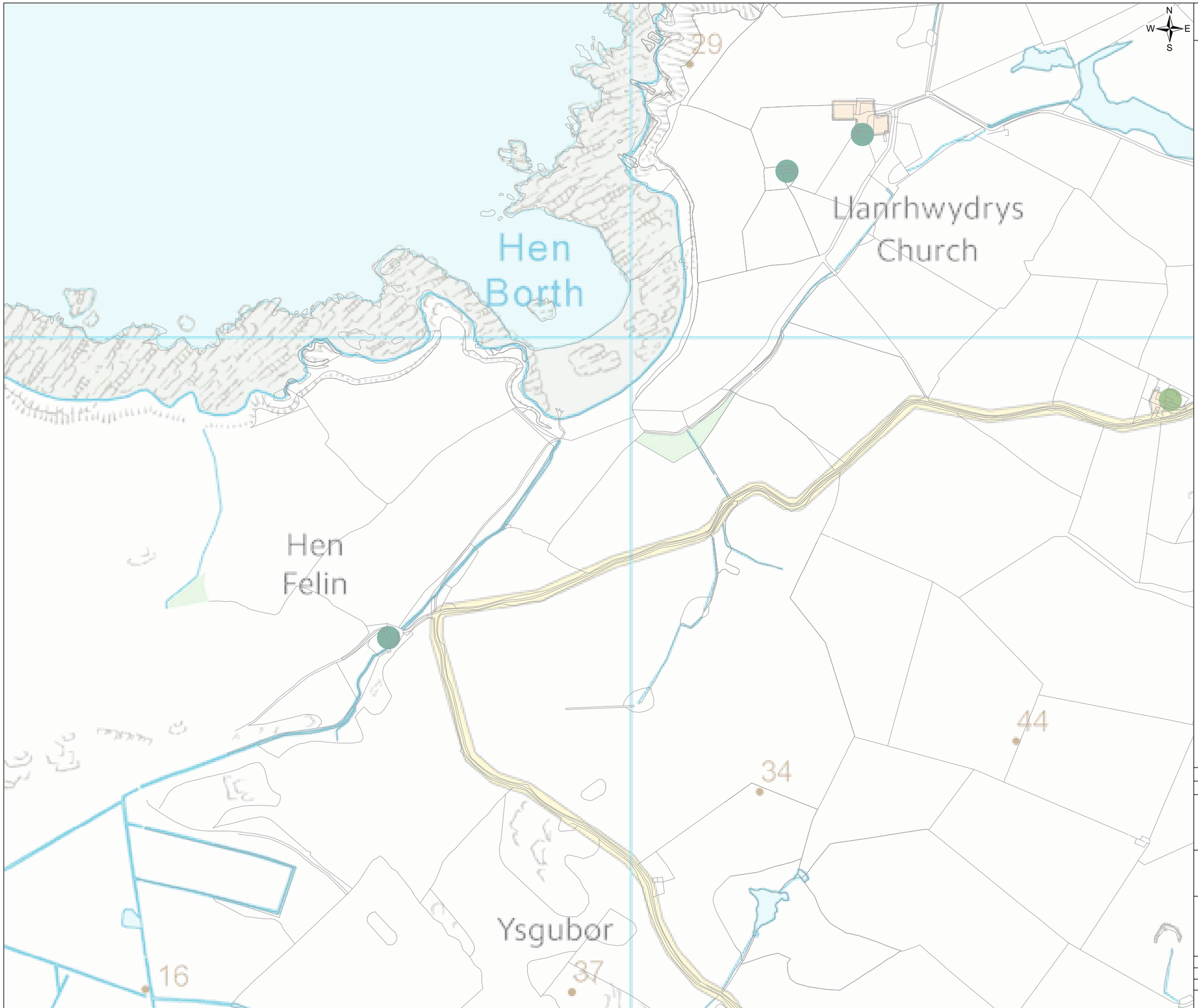
Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

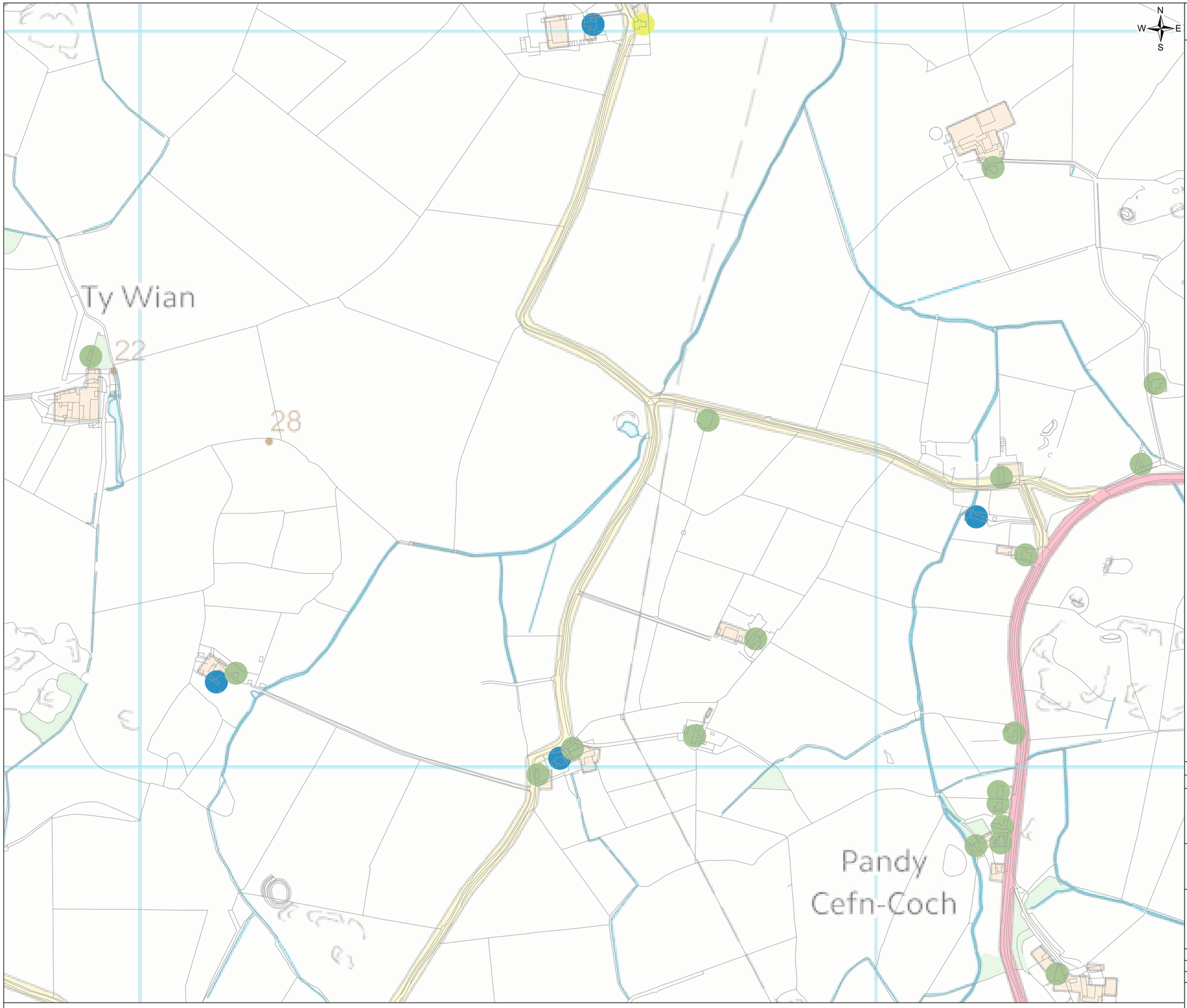
60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (EVENING)

SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.: 60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

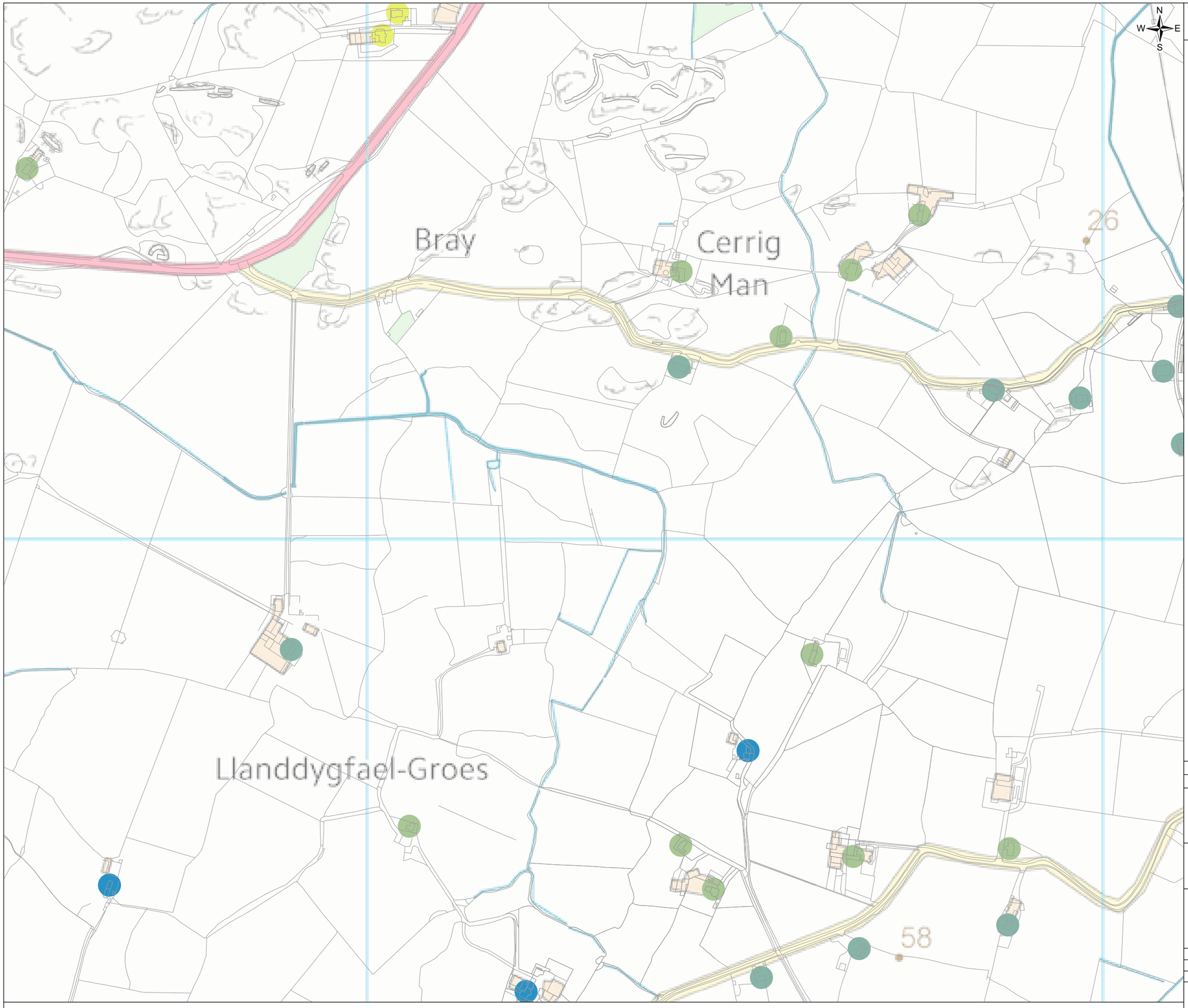
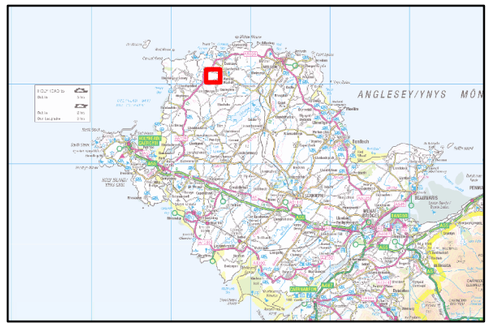


FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

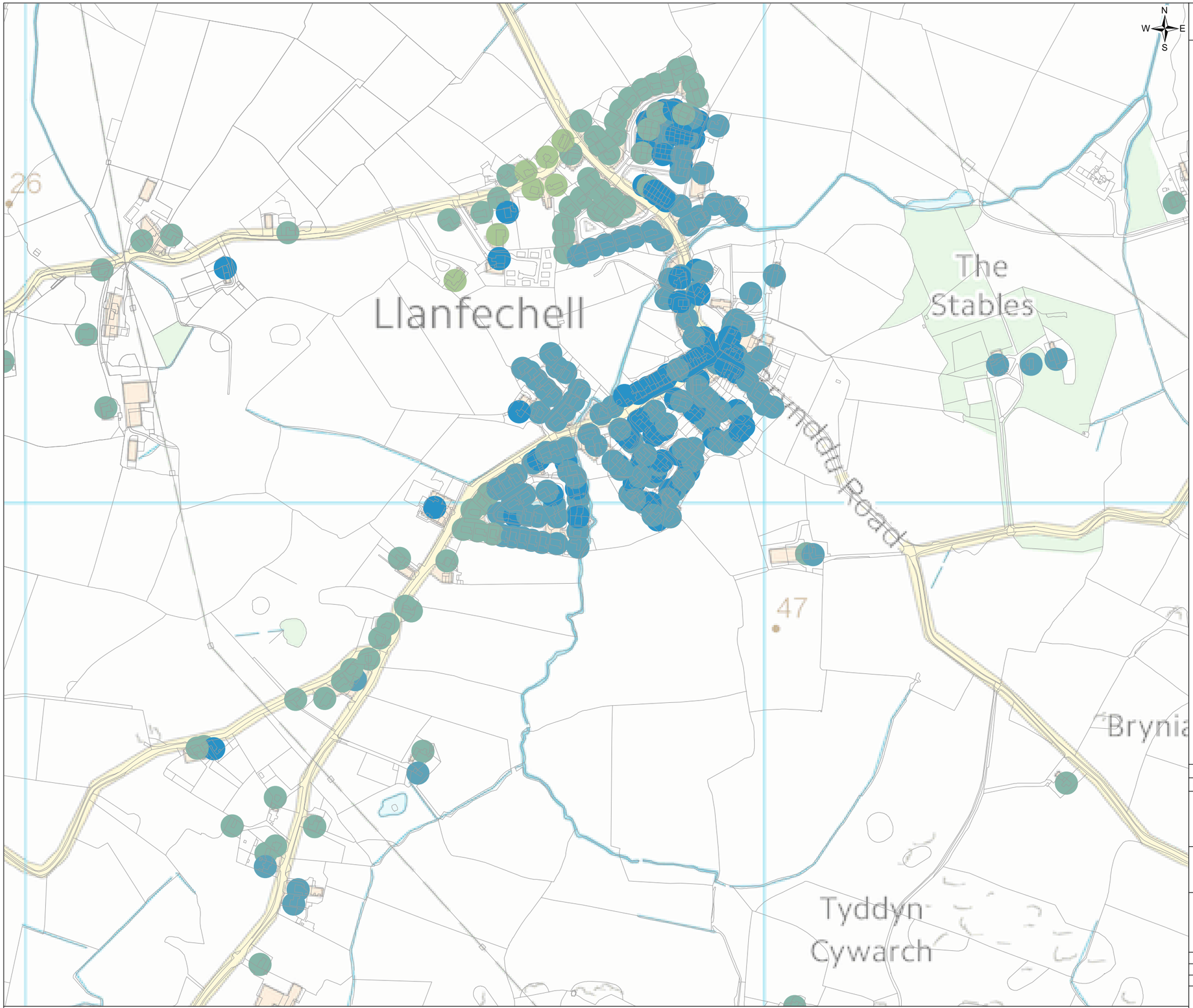
60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

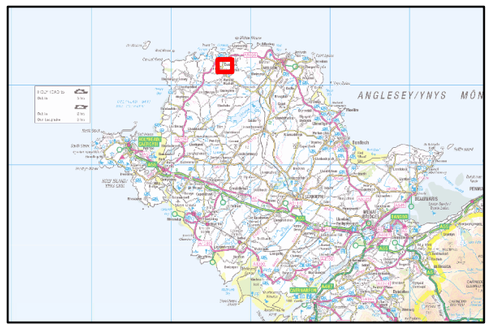
0 125 250 500 metres

FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

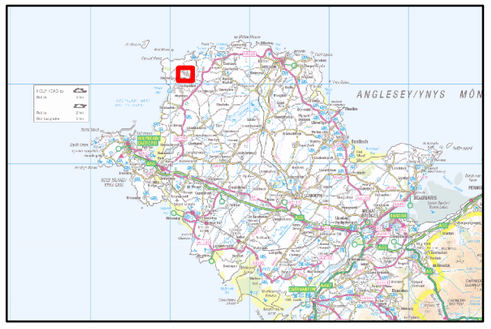
0 125 250 500 metres

FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

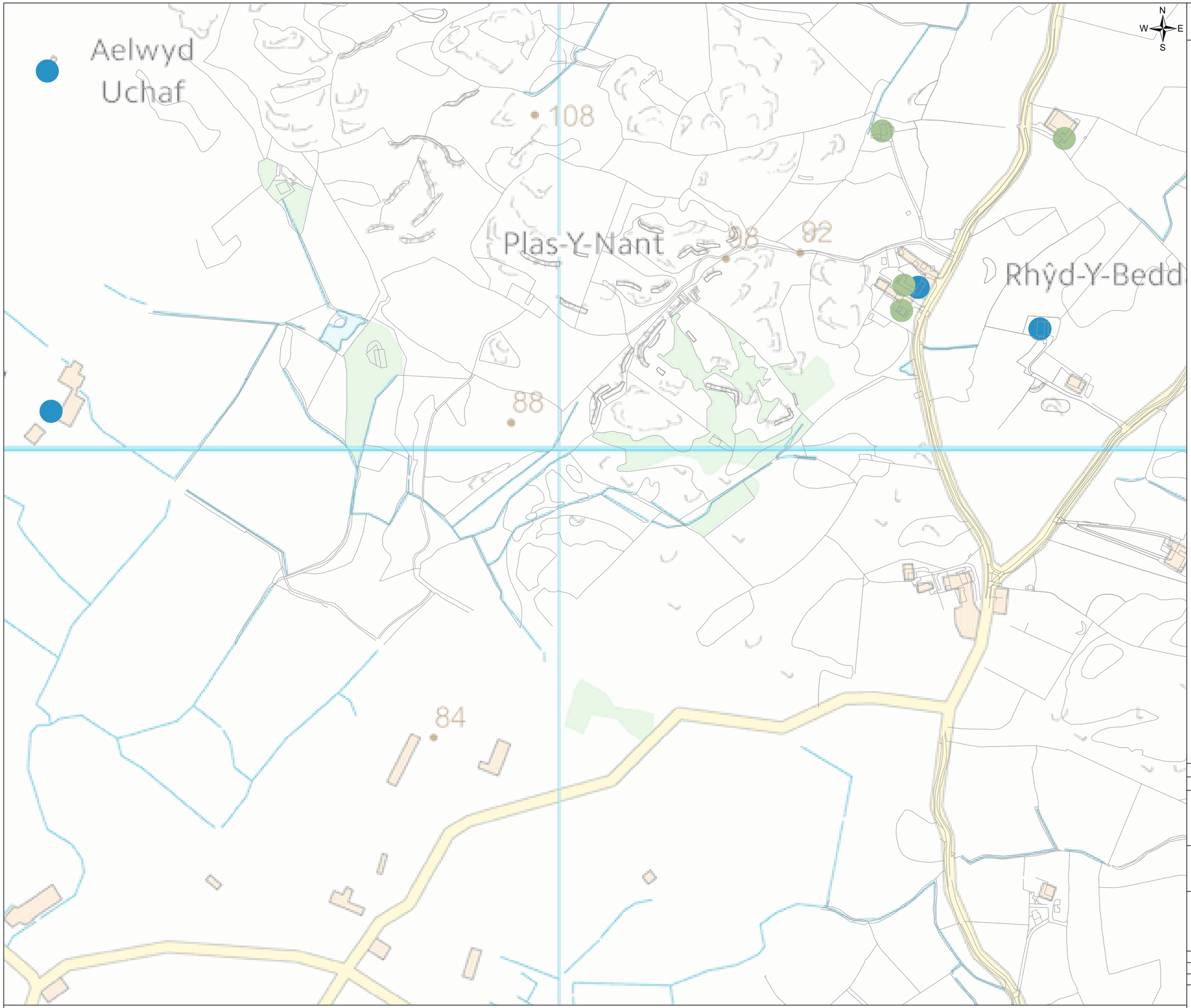
60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

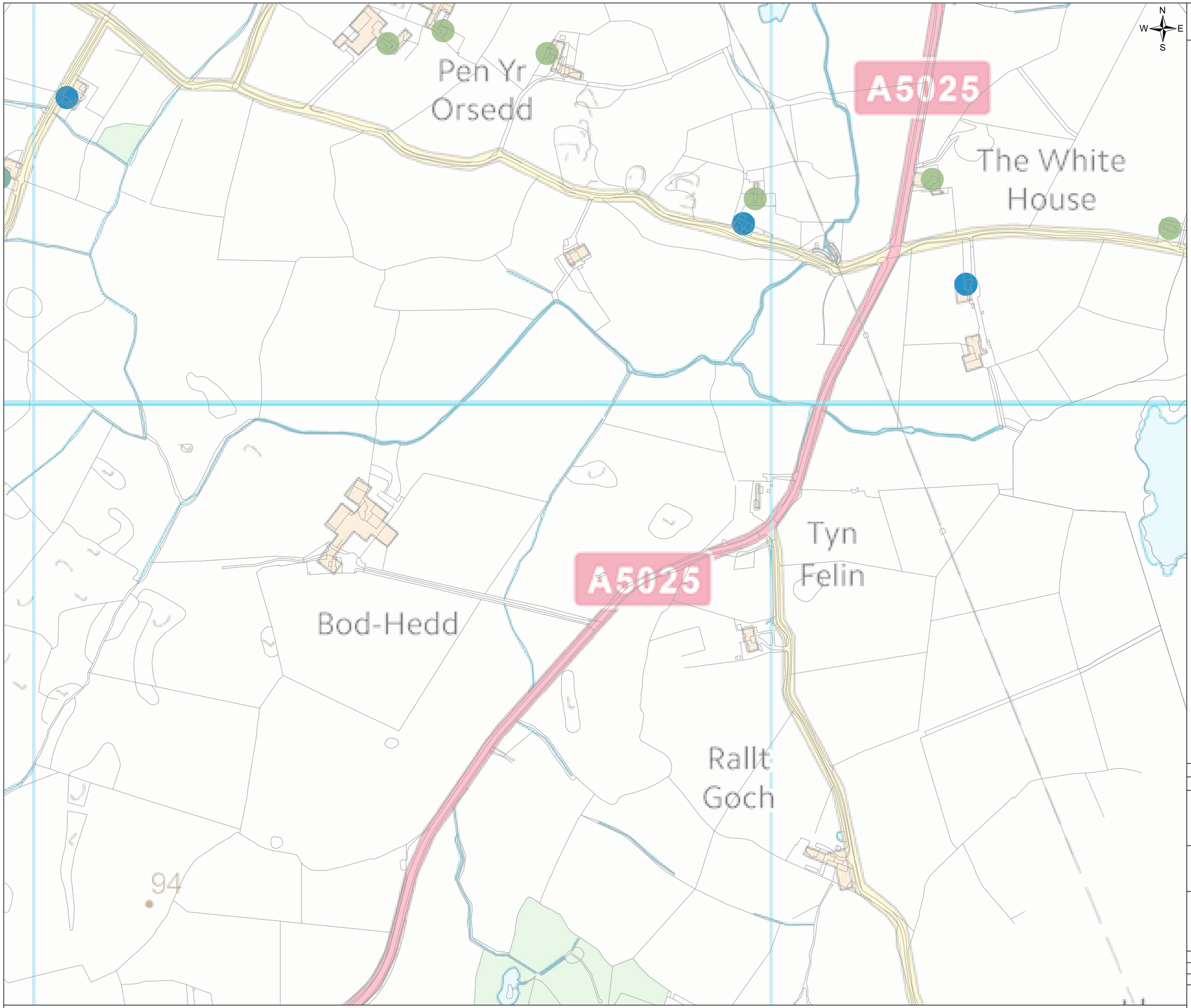
60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

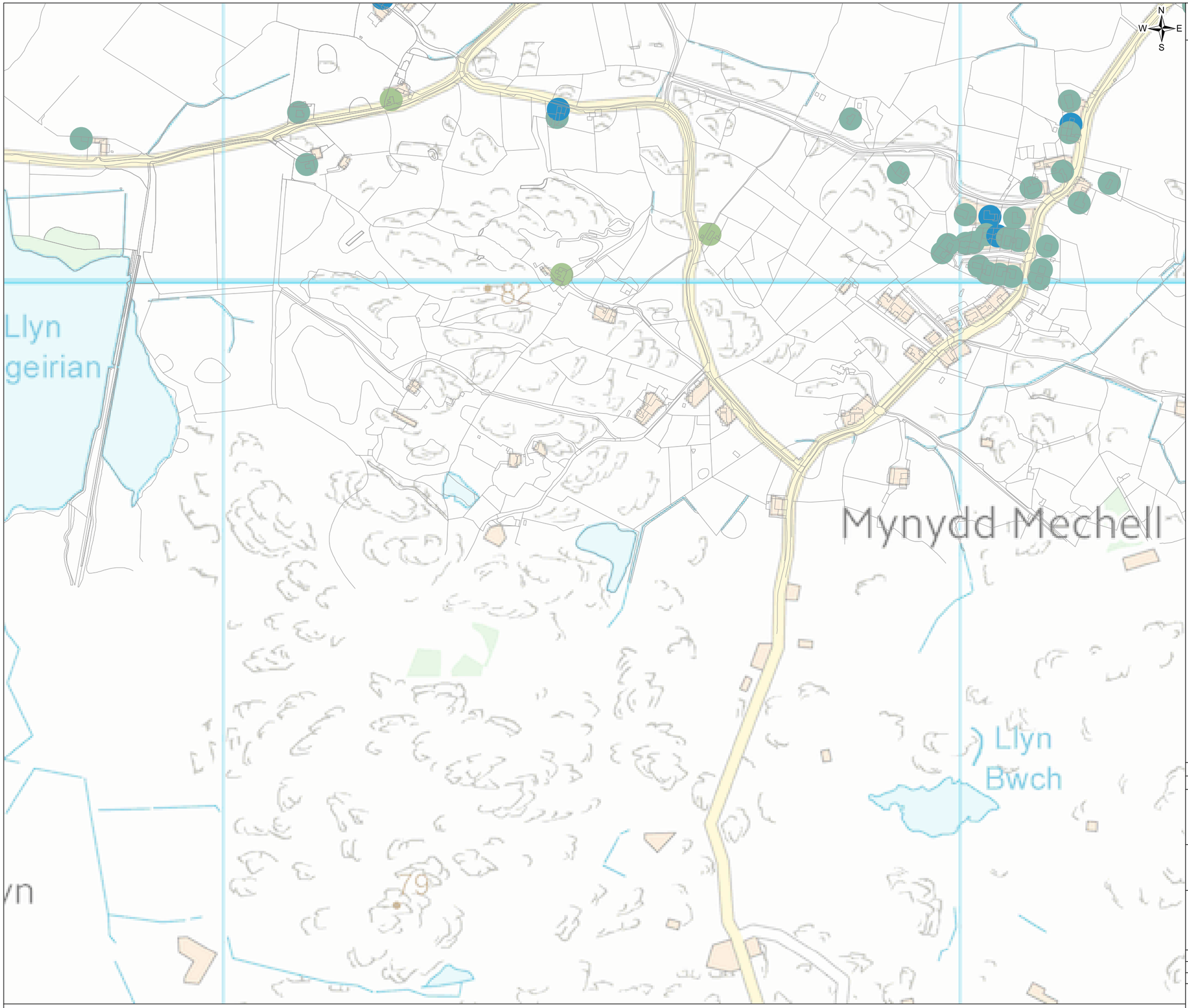
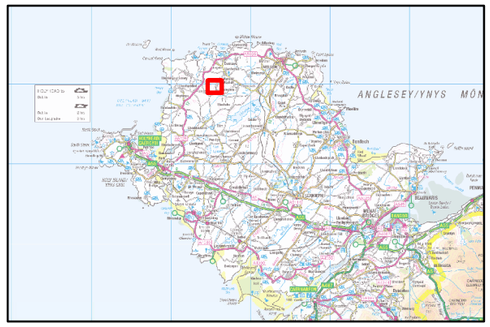


FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

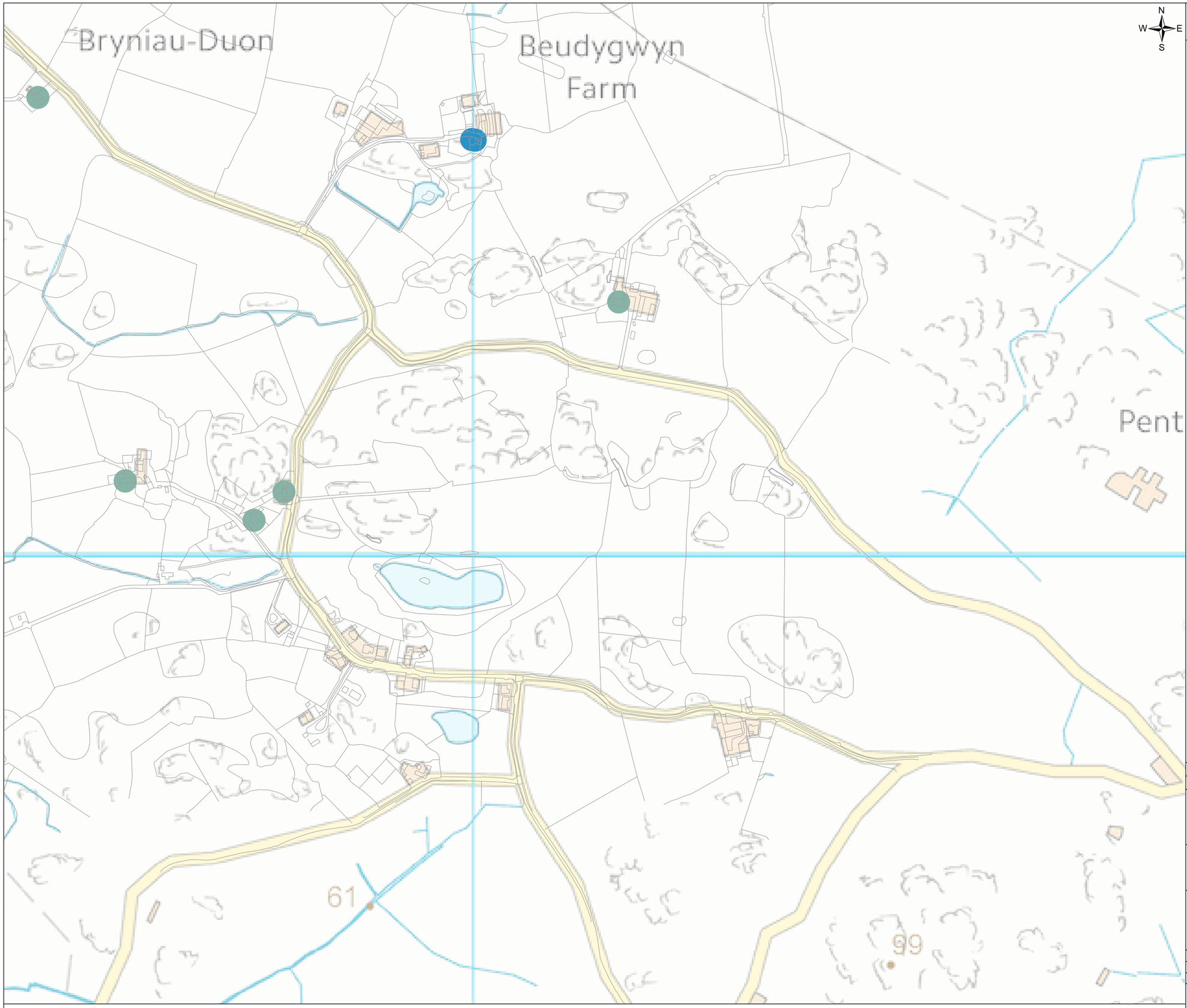


FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

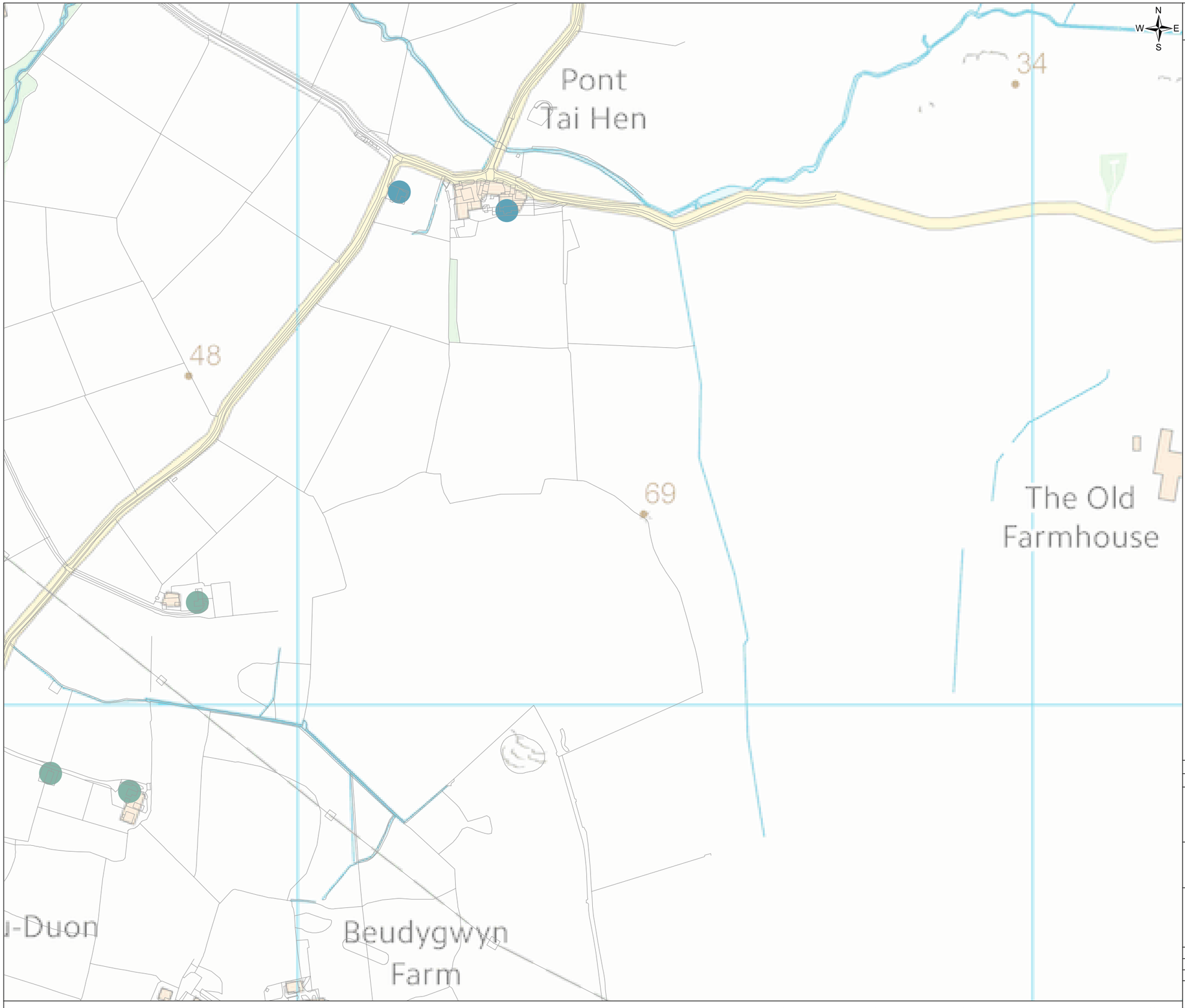
60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

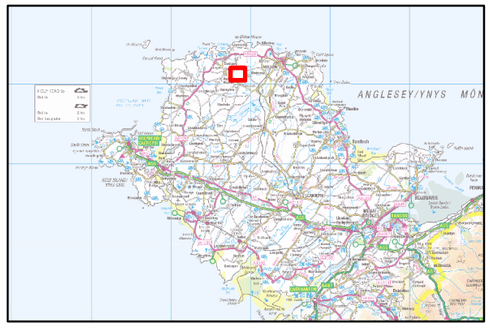
FIGURE 17



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

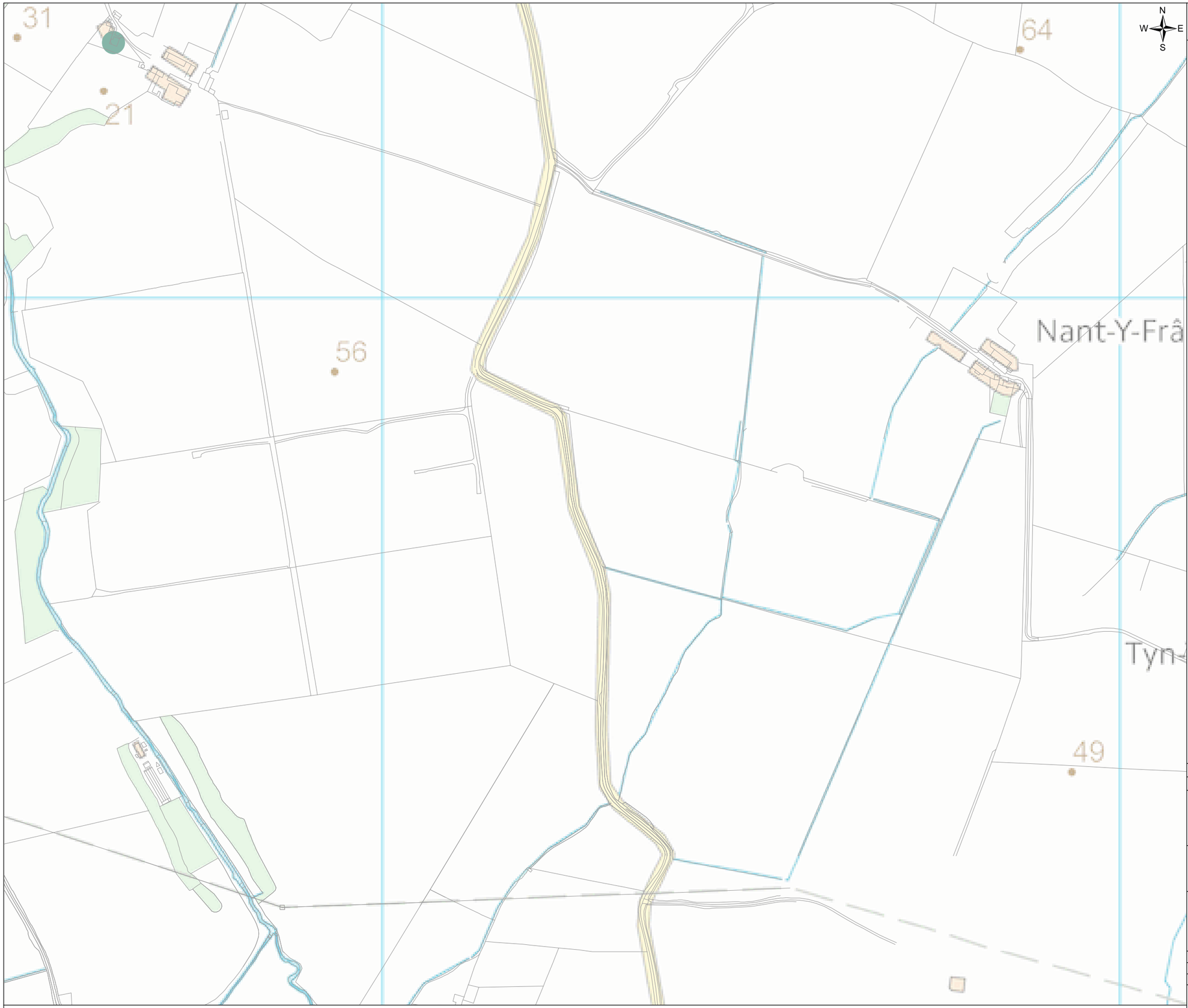


FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

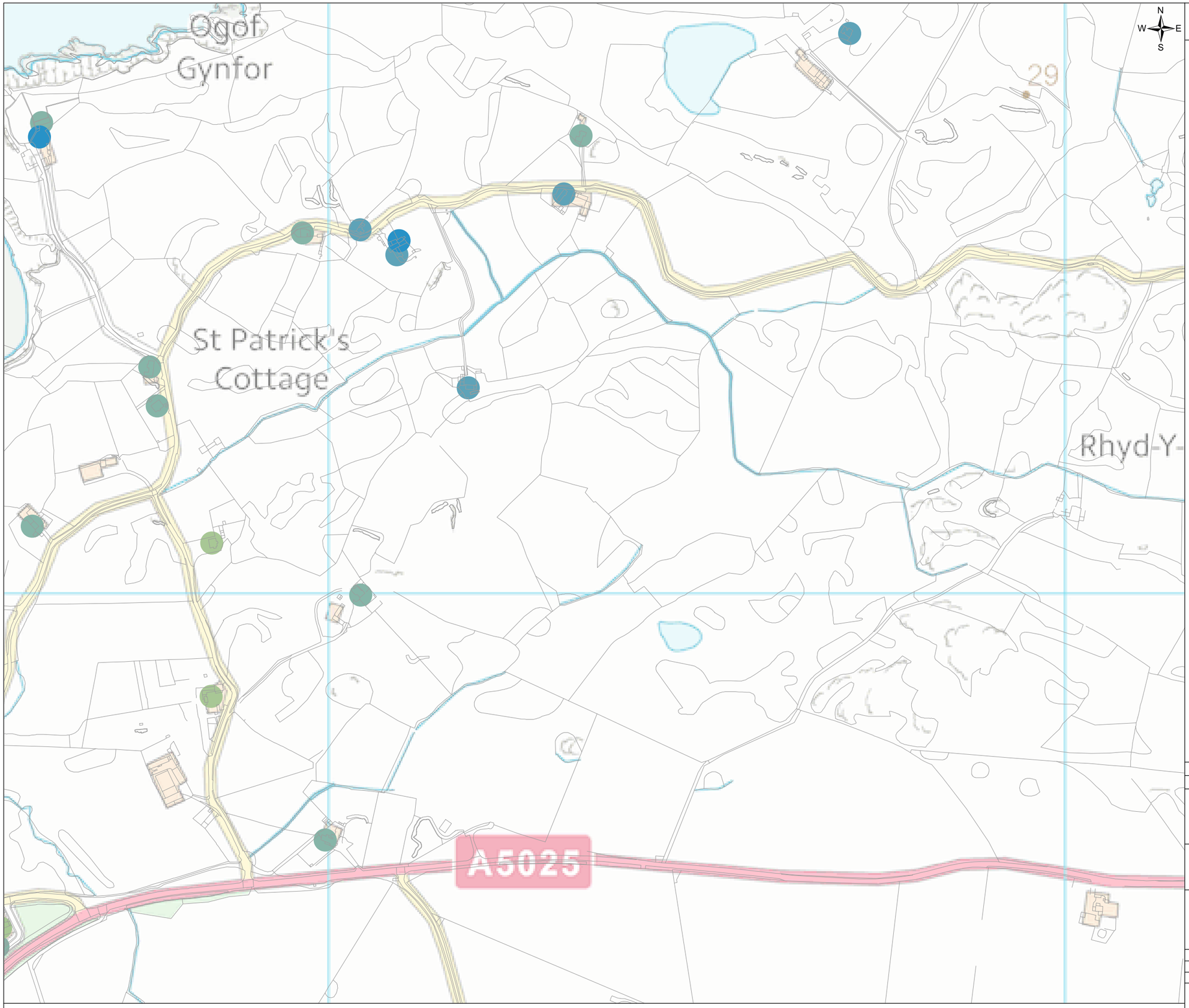


FIGURE 17

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (EVENING)

SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_EVENING

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 1 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 2 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18

Pennant
42
Tregele
Caerdegog
Isaf
37
49
Cromlech
26

N
W
E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 3 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

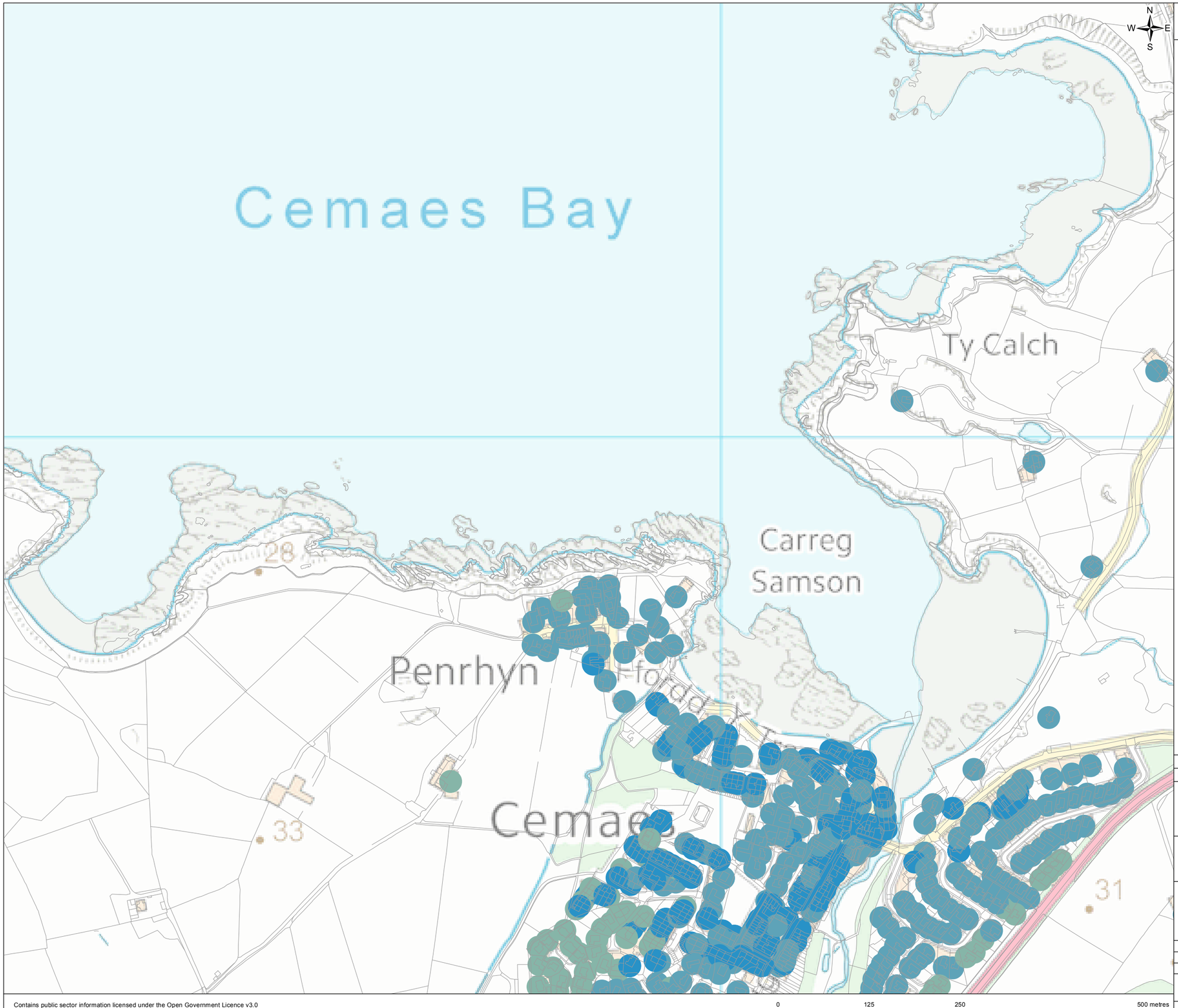
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 4 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

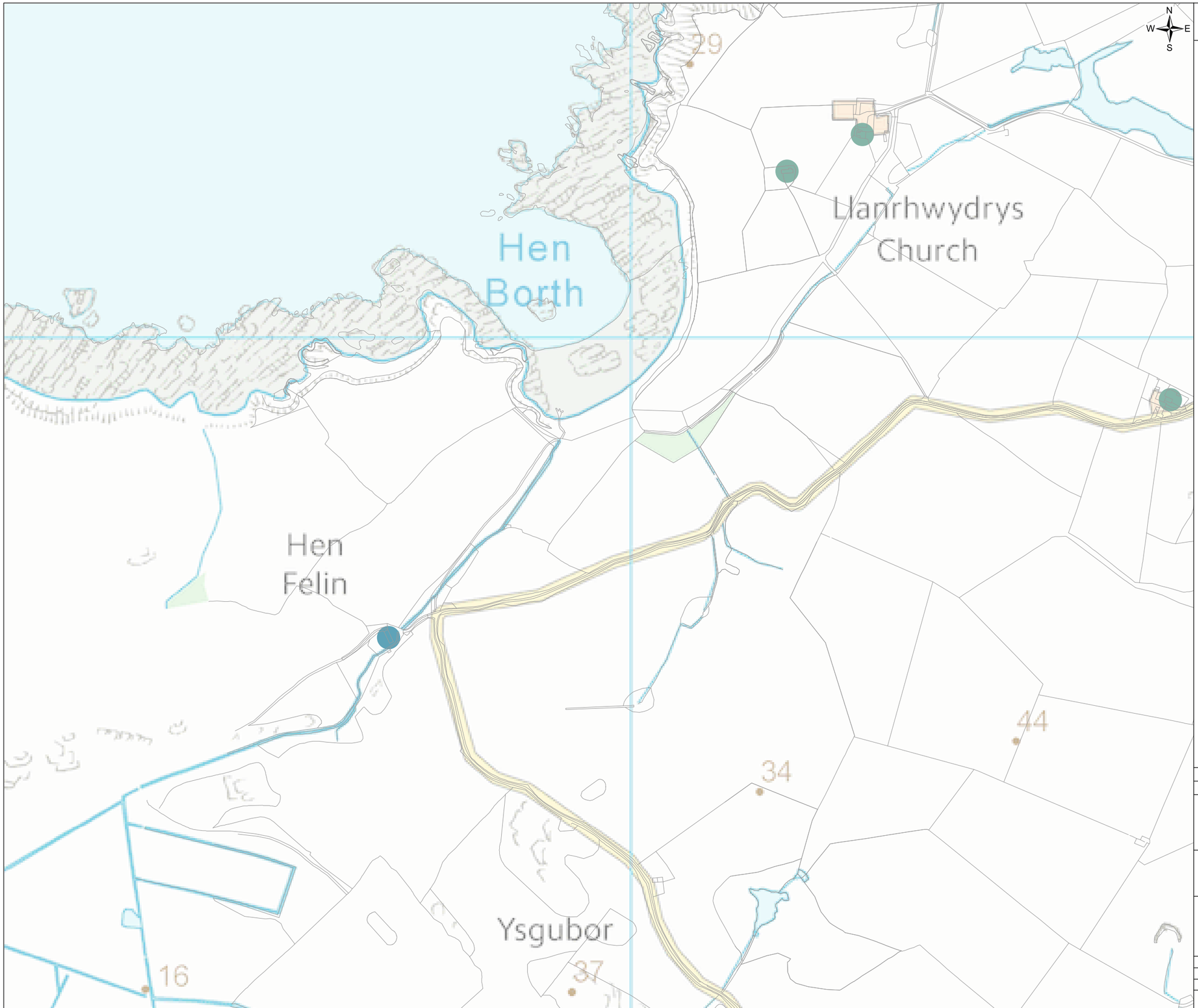
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 5 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

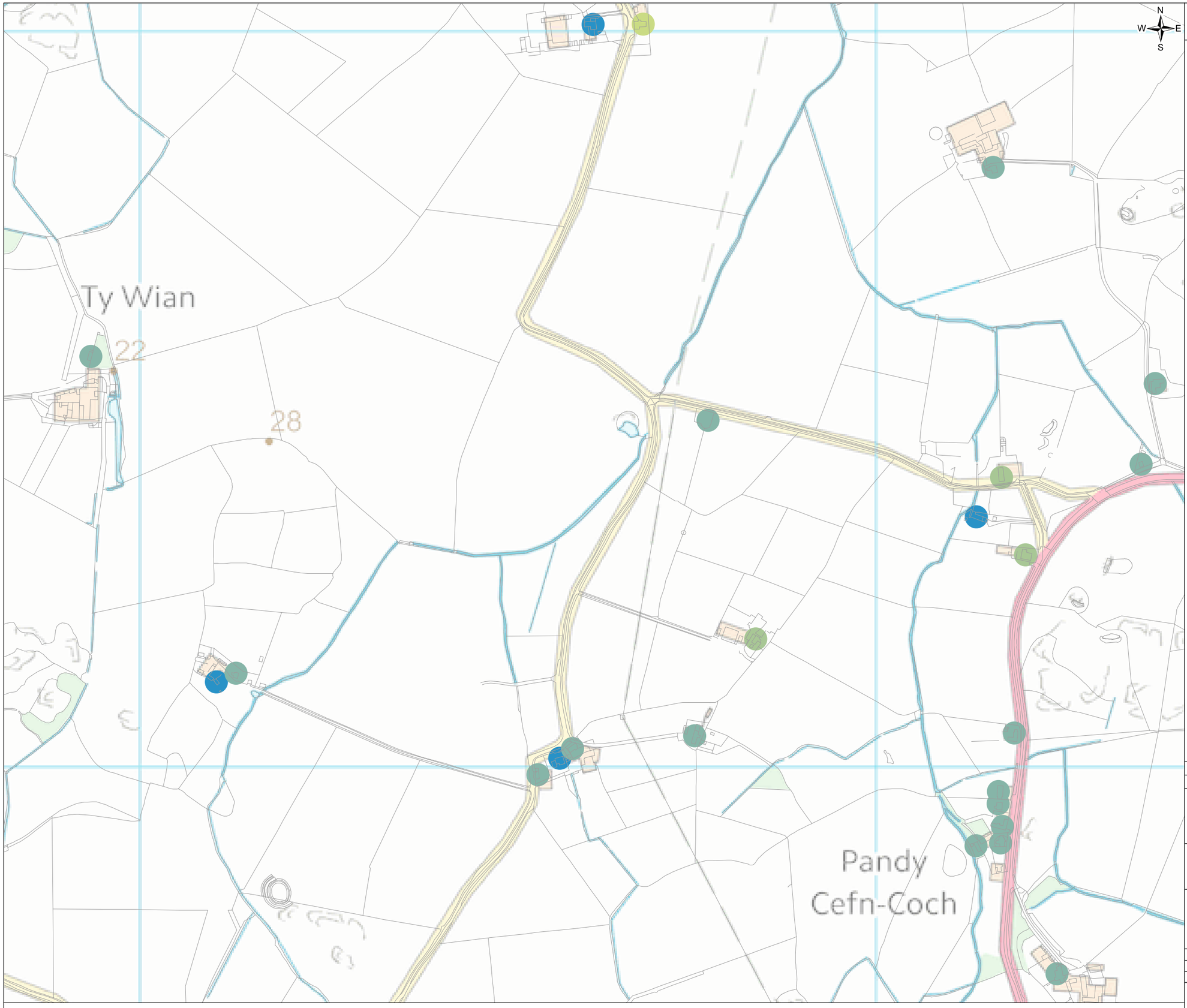
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 6 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

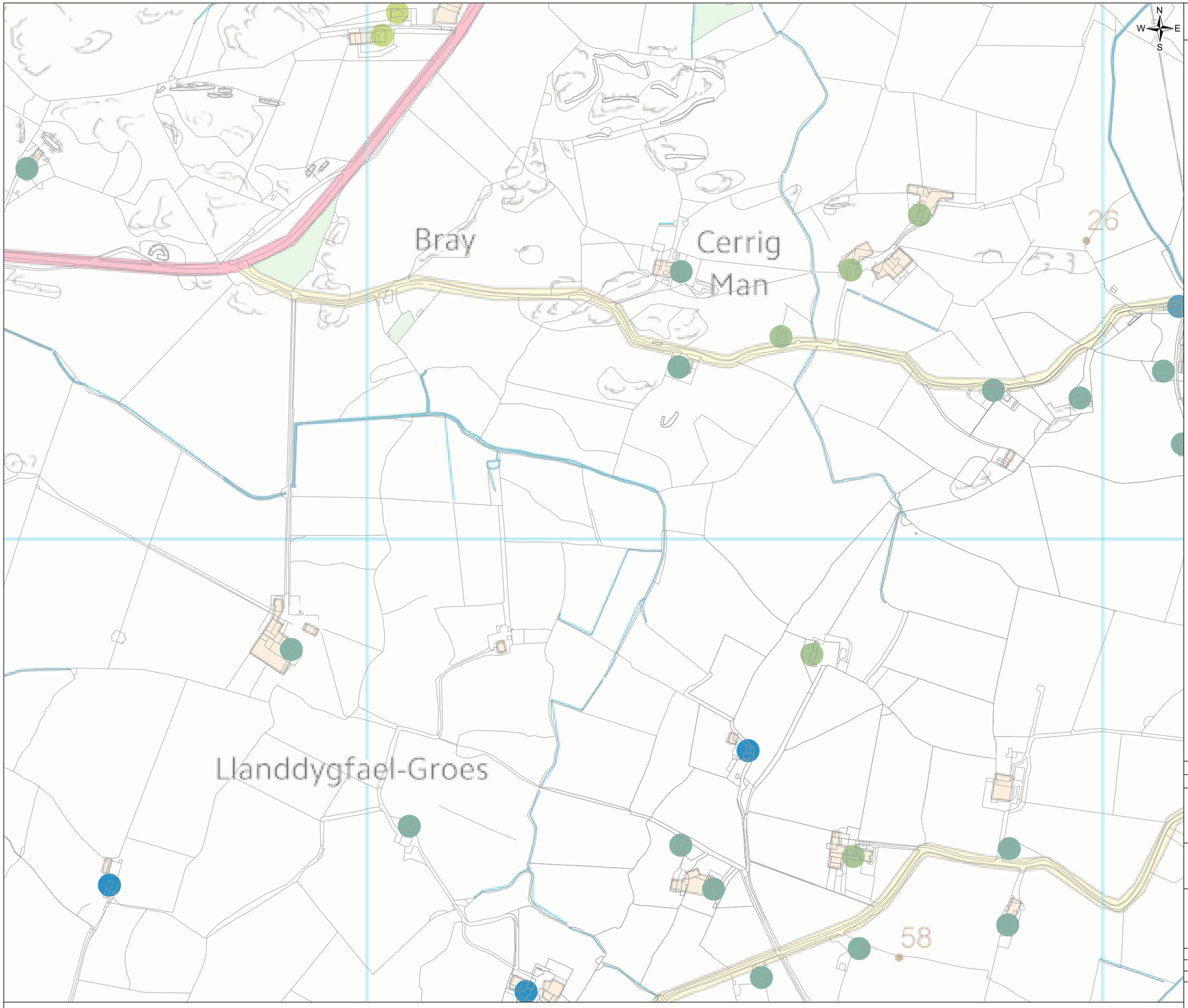
Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

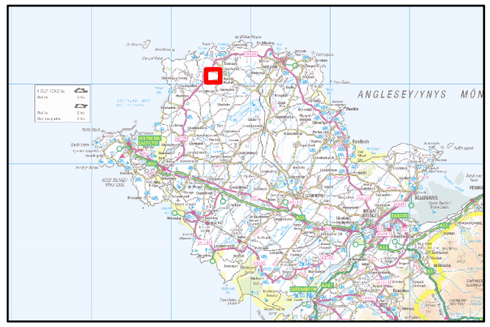
FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 7 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

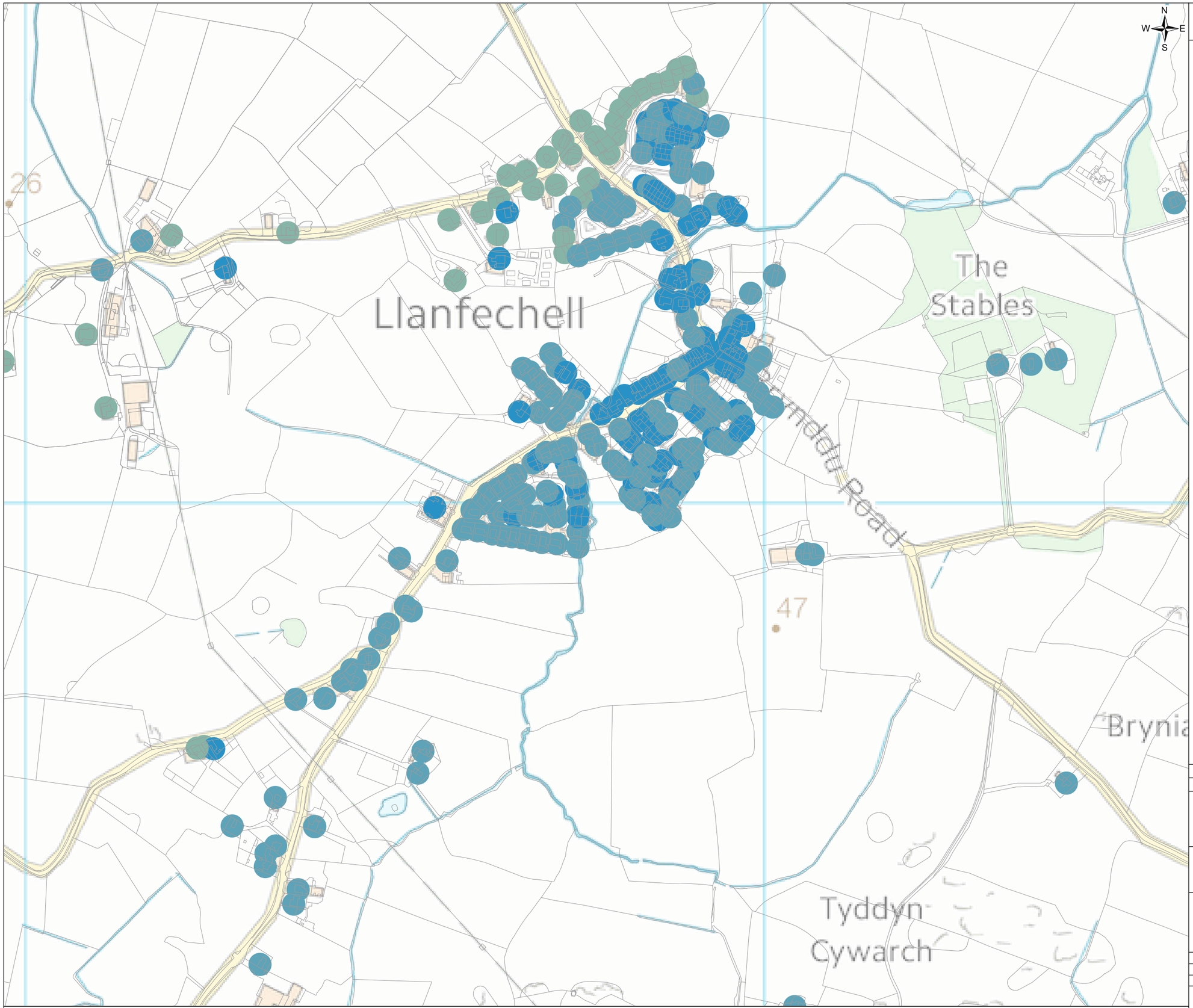
Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 8 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

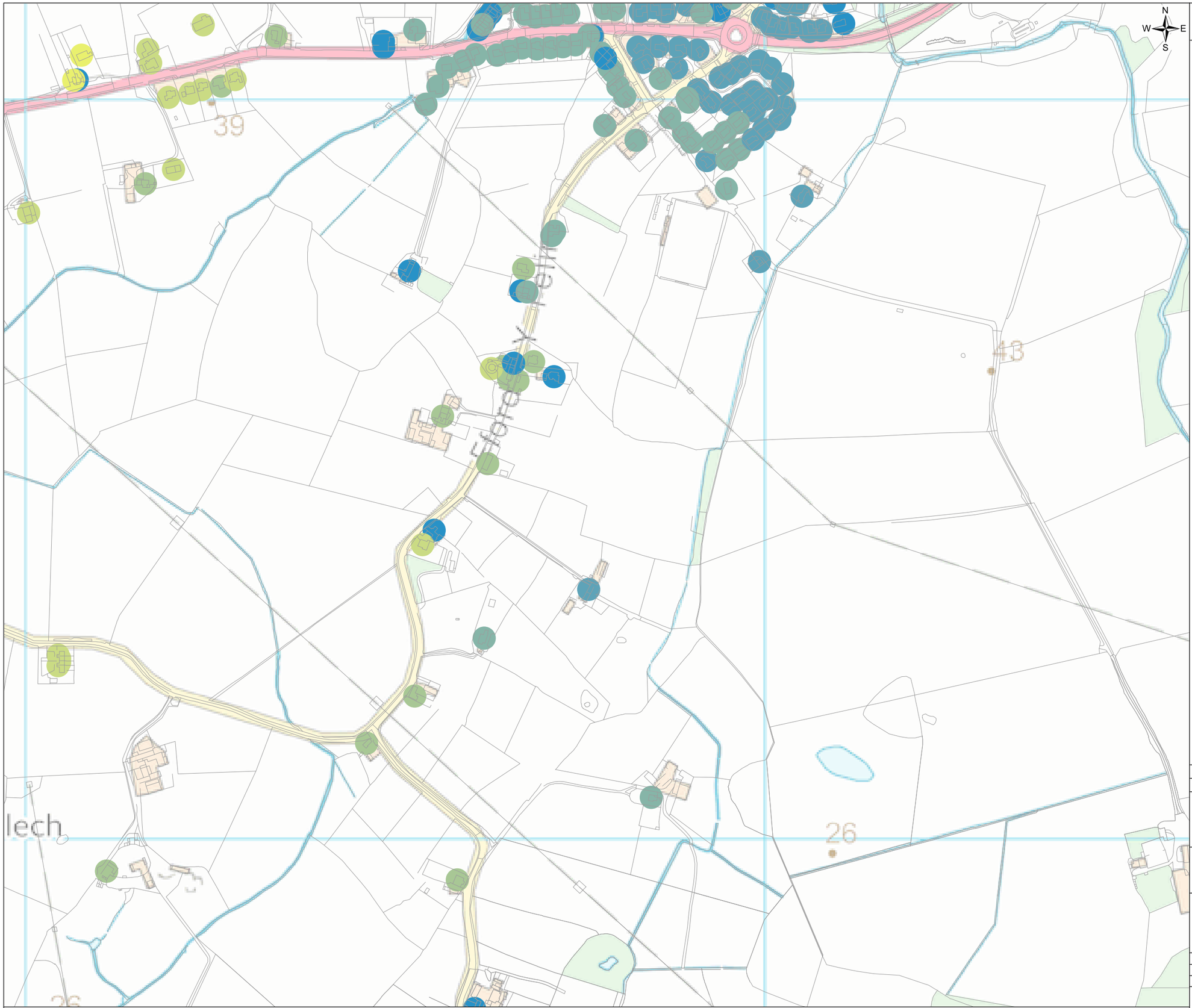
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

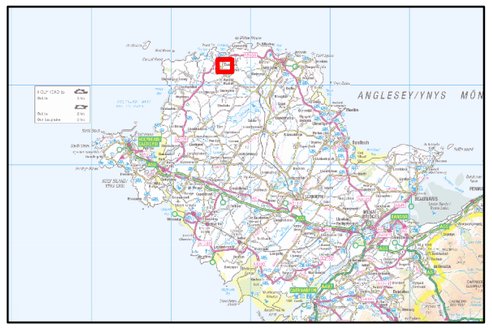
FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 9 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

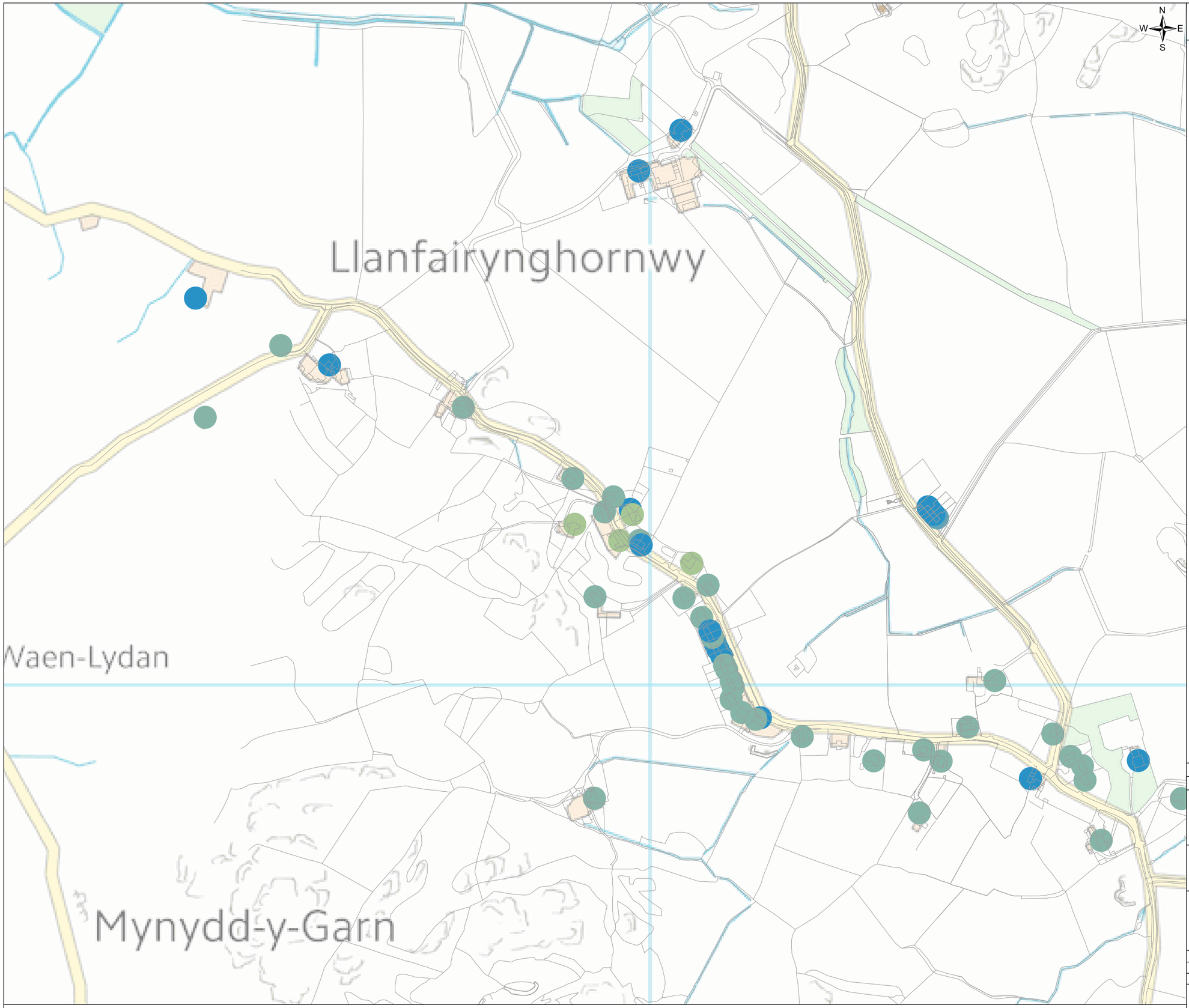
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 10 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

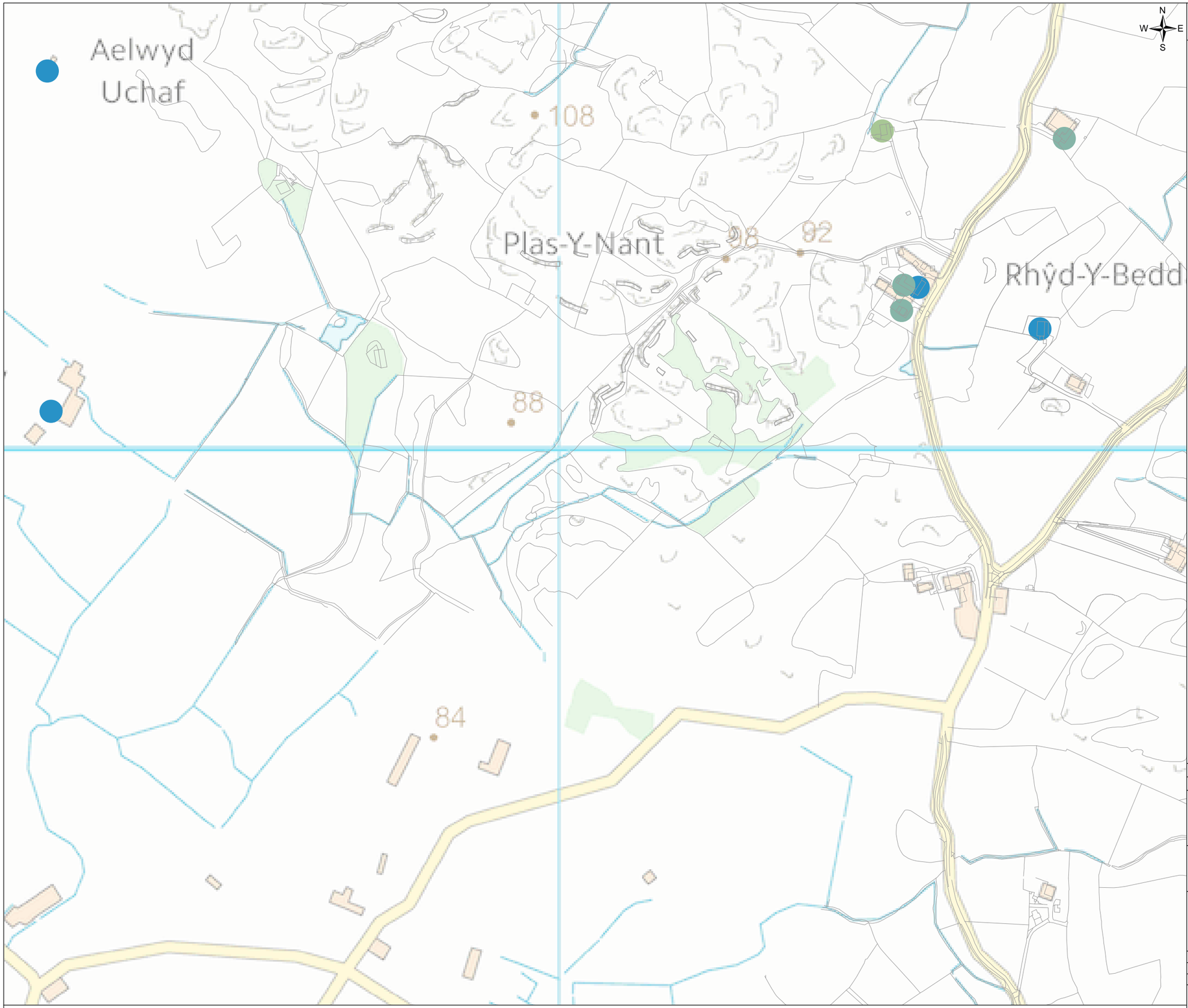
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 11 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

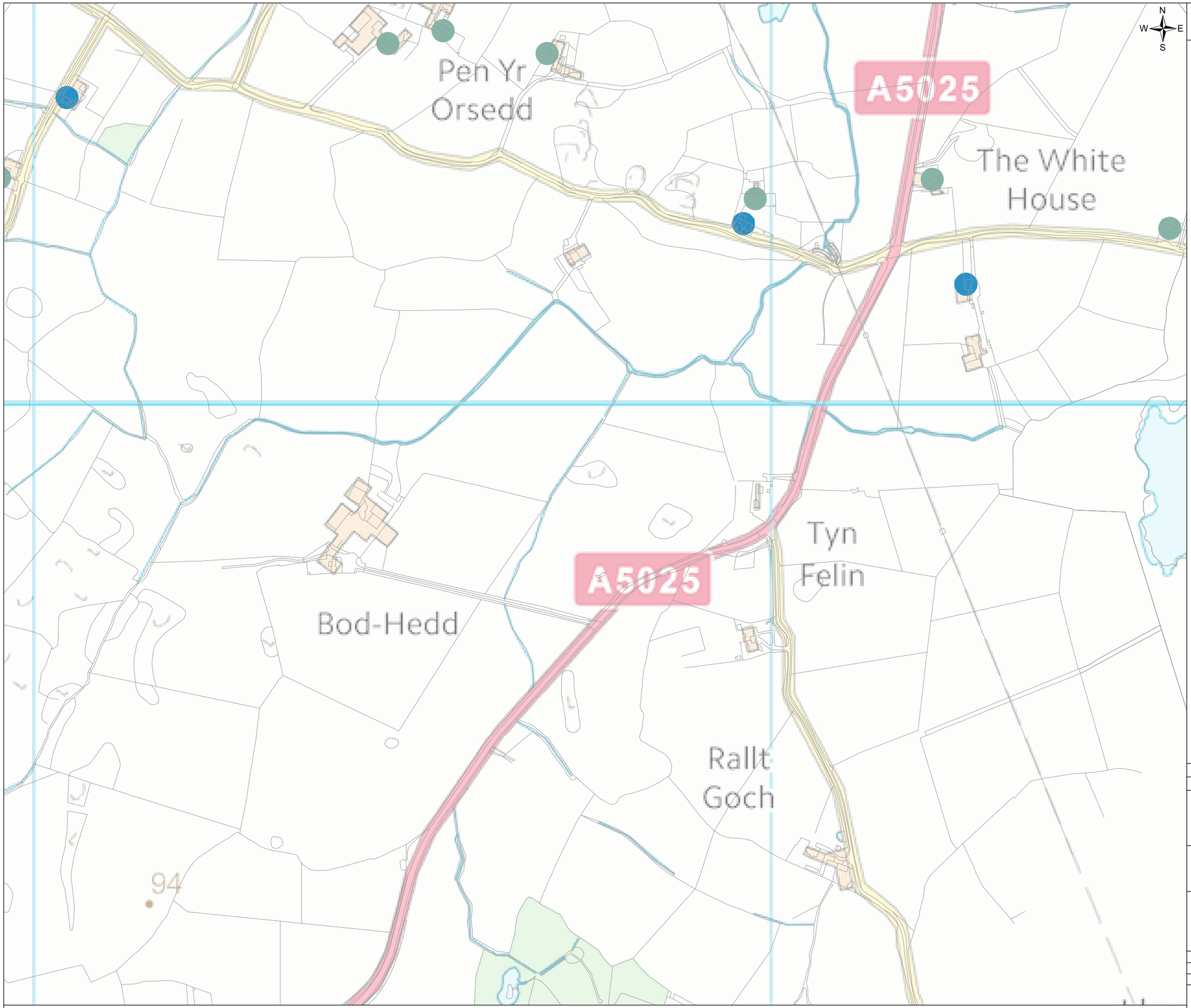
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 12 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

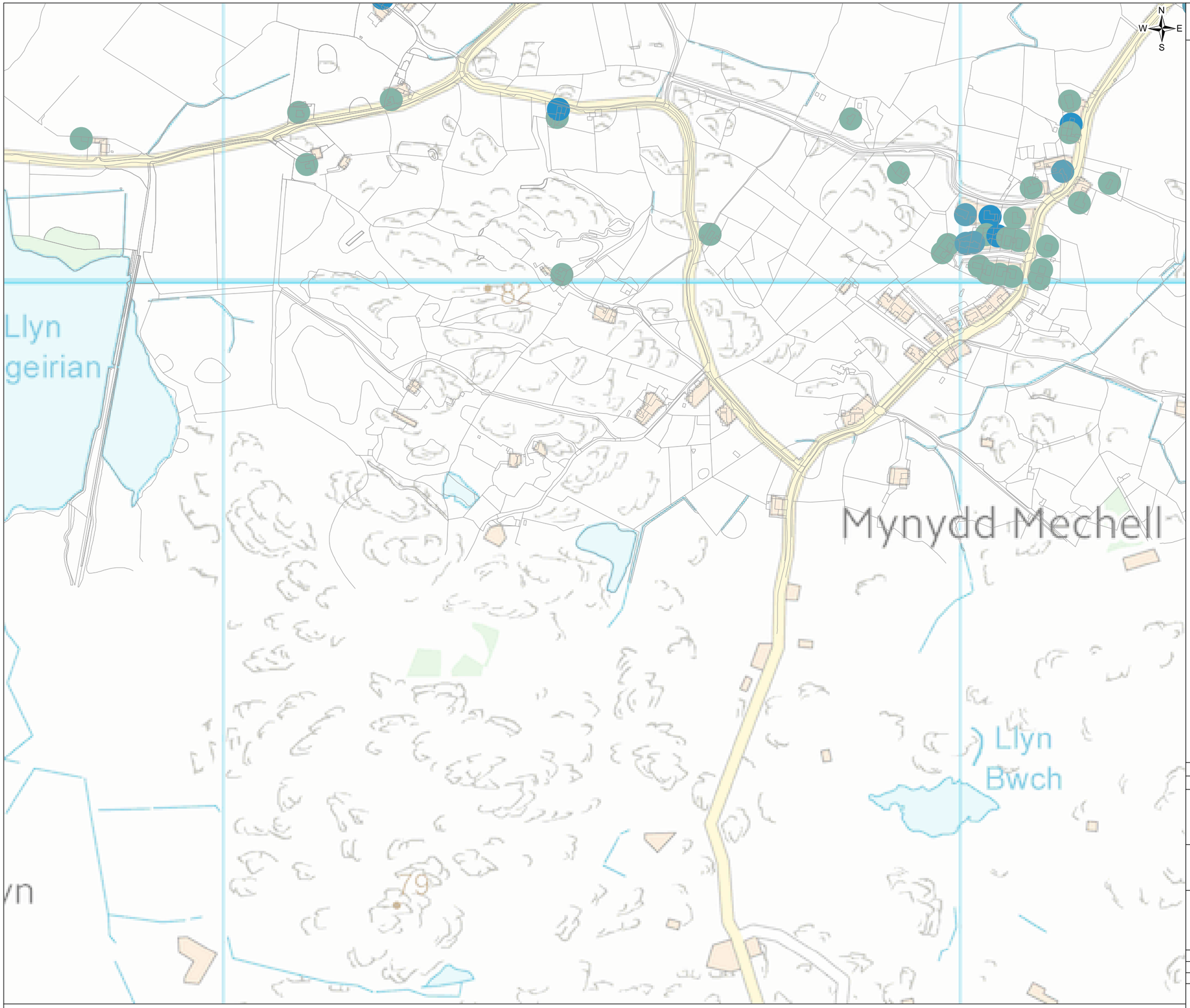
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

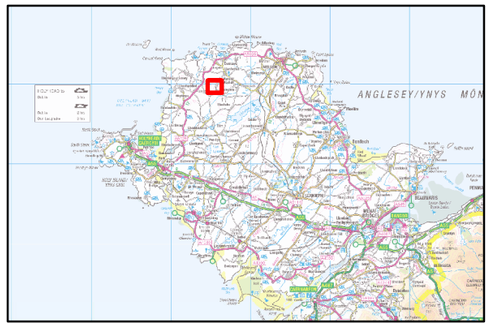
FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client: HORIZON NUCLEAR POWER

Project: WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title: PREDICTED NOISE LEVELS WITH PROPOSED EXTENSION TO WORKING HOURS MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 13 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No. 60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

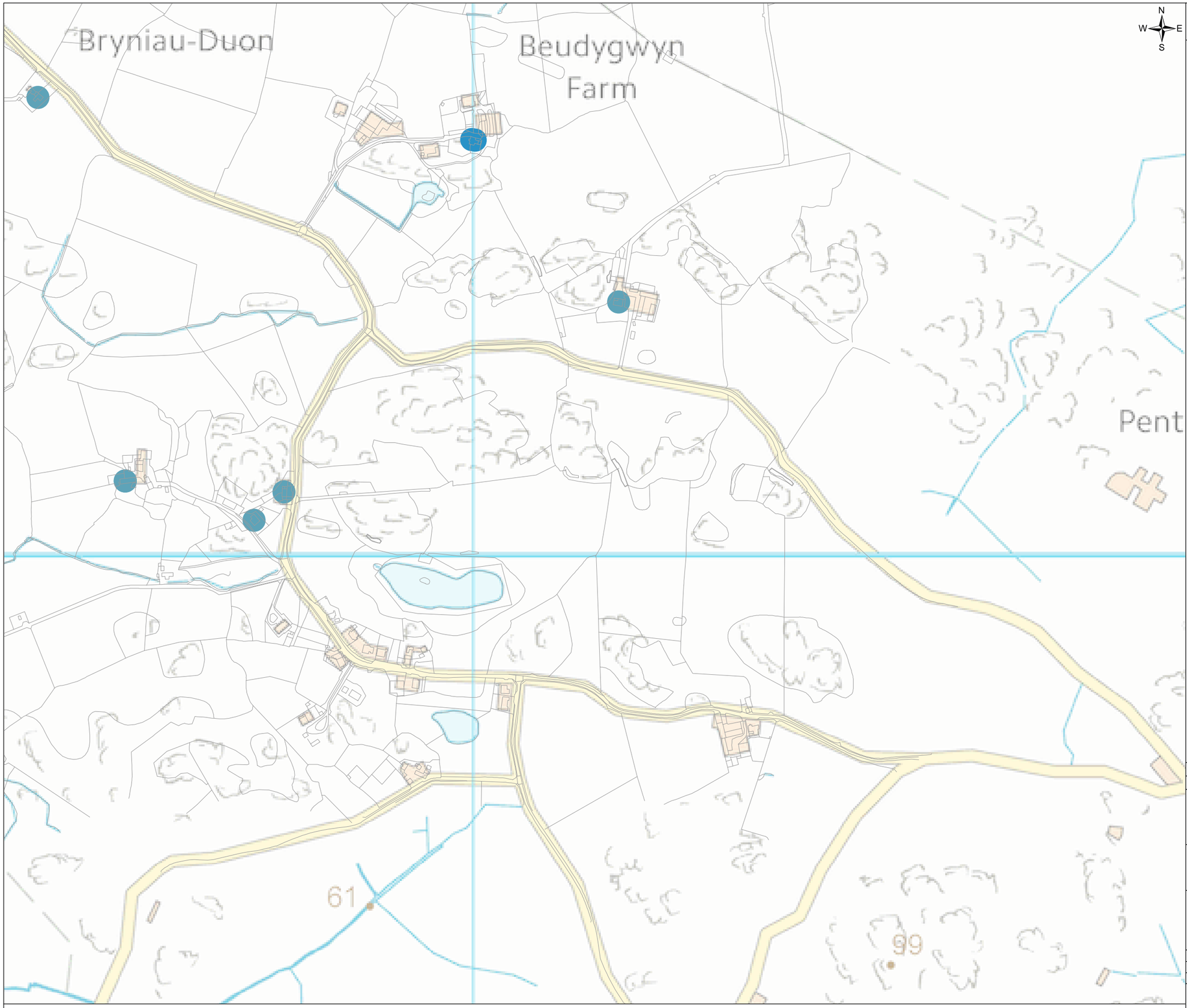


FIGURE 18

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 14 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18

Pont Tai Hen

34

48

69

The Old Farmhouse

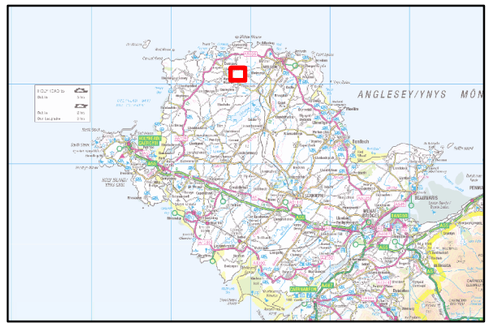
Beudygwyn Farm

N
W E
S

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >



Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 15 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

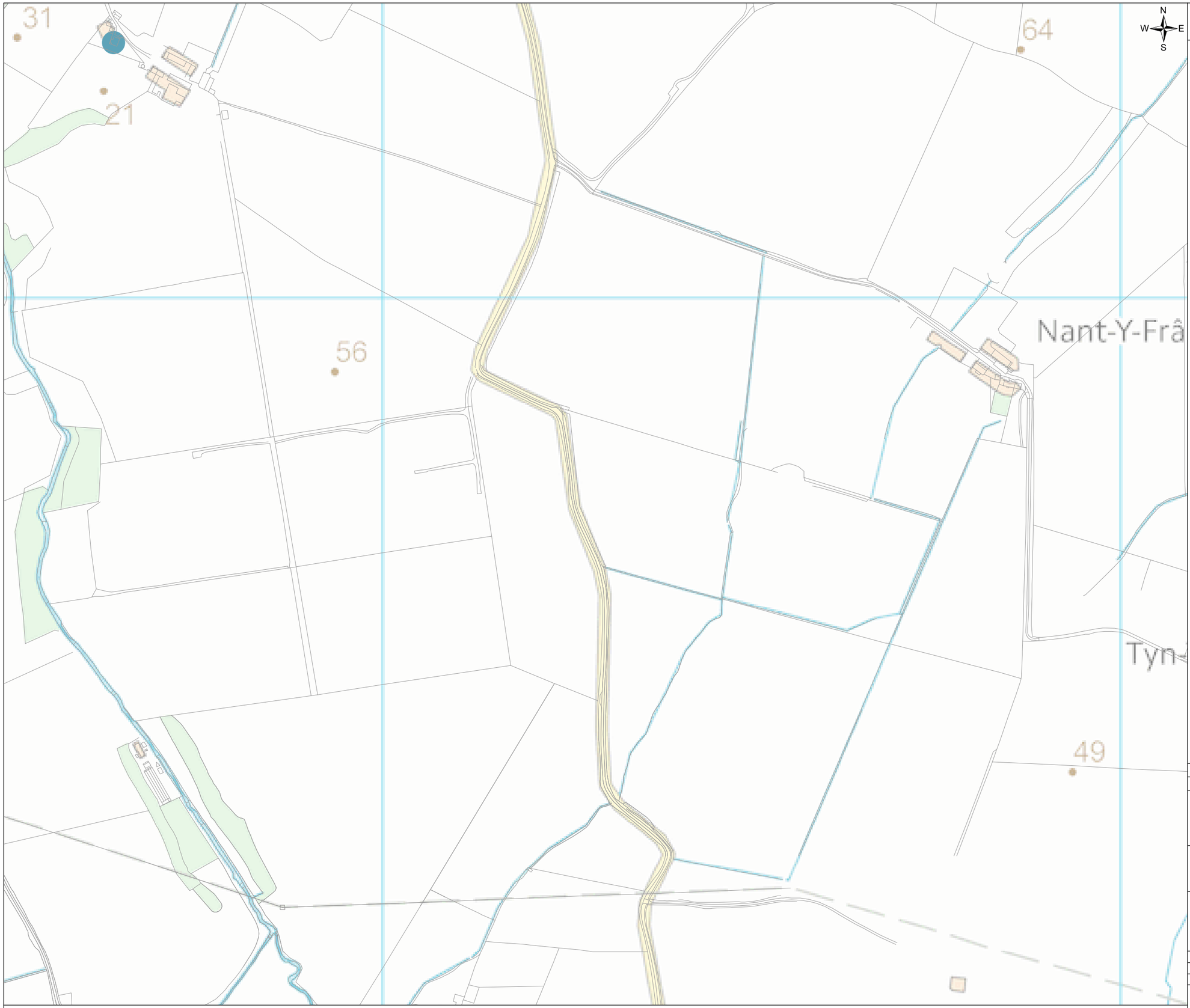
60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

FIGURE 18



Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 16 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118

0 125 250 500 metres

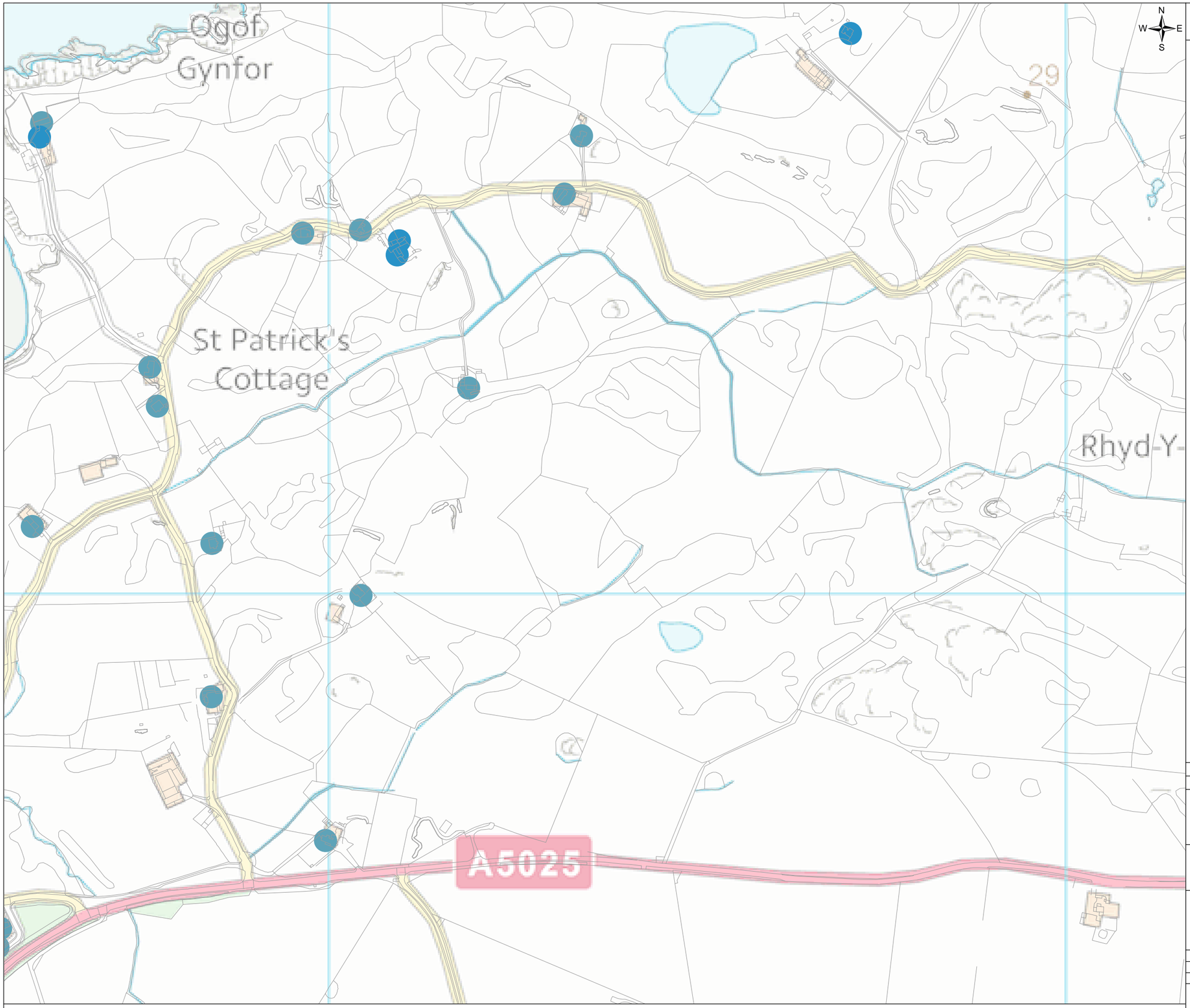


FIGURE 18

Legend

Predicted noise levels dB $L_{Aeq,1hour}$

- < 35
- 35 - 40
- 40 - 45
- 45 - 50
- 50 - 55
- 55 - 60
- 60 - 65
- 65 - 70
- 70 - 75
- 75 - 80
- 80 - 85
- 85 >

Rev.	Date	Purpose of revision	Drawn	Check'd	Rev'd	Appr'd
0	JAN 19	FOR INFORMATION	HNPWL	HNPWL	HNPWL	HNPWL

Client

HORIZON NUCLEAR POWER

Project

WYLFA NEWYDD PROJECT
ENVIRONMENTAL STATEMENT

Drawing Title

PREDICTED NOISE LEVELS WITH
PROPOSED EXTENSION TO WORKING HOURS
MONTHS 100 TO 102 (NIGHT-TIME)

SHEET 17 OF 17

Scale @ A3	1:5,000	DO NOT SCALE
Jacobs No.	60PO80AS	
Client No.		

Drawing No.

60PO80AS_NOISE_RfNMC_MONTHS100TO102_NIGHTTIME

This drawing is not to be used in whole or in part other than for the intended purpose and project as defined on this drawing. Refer to the contract for full terms and conditions.

Contains public sector information licensed under the Open Government Licence v3.0
© Crown copyright and database rights 2018 Ordnance Survey 100051118