HS2

May 2025

Construction Noise and Vibration Monthly Report – March 2025

Lichfield District Council

gov.uk/hs2

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Non-Technical Summary

This Noise and Vibration Monitoring Report fulfils HS2 Limited's commitment detailed in the Environmental Minimum Requirements (EMRs), Annex 1, Code of Construction Practice, to present the results of noise monitoring carried out within the Lichfield District Council (LDC) area during the month of March 2025.

Within this period monitoring was undertaken at the following worksites:

- Shaw Lane Embankment (ref.: SLE) worksite where no works were undertaken.
- Fradley Wood Embankment (ref.: FEW) worksite where road realignment works and footpath widening were underway.
- Curborough Embankment (ref.: CE) worksite where no works were undertaken.
- A38 Southbound Slip Road Realignment (ref: A38SSRR) worksite where sheet pile installation, platform maintenance, excavation works, pile cropping and concrete breaking were underway.
- Streethay Cutting Retaining Structure (ref: SCRS) worksite sheet pile installation, platform maintenance, excavation works, pile cropping, material deliveries, road sweeping, general maintenance and vegetation clearance were underway.
- Staffs Lane (ref: SSL) worksite where sheet pile installation, platform maintenance, excavation works, pile cropping, deliveries and collections, road sweeping, general maintenance and vegetation strimming were underway.
- Cappers Lane Compound (ref.: CLC) worksite where fencing installation and ground compaction were underway.
- Whittington Common Cutting (ref: WCC) worksite where overbridge construction was underway.
- Tamworth Road Overbridge Satellite (ref.: TROS) worksite where compound operation, footpath construction and noise barrier testing were underway.
- Swinfen Cutting South (ref: SCS) worksite where mobilisation was underway.
- Trunk's Road (ref.: N23) worksite where mobilisation was underway.
- Sutton Road Overbridge (ref.: SRO) worksite where cofferdam excavation, piling works and trimming, concrete pours, steel fixing, shuttering and dismantling, wall installation, backfilling, pumps and generators operation, road sweeping, water transport, reinforced bar installation, crane mobilisation, waterproofing and platform ground works were underway.
- Drayton Lane Cutting (ref.: DLC) worksite where concrete scabbling, lifting operations, steel fixing, concrete pouring, shuttering, haul road maintenance and parapet installation were underway.

The HS2 threshold levels for significant noise impacts, which are defined in Information Paper E23 (https://www.gov.uk/government/publications/hs2-information-papers-environment), were not exceeded due to HS2 works during March 2025.

There were no exceedances of trigger levels as defined in Section 61 consents during the reporting period.

One (1) complaint regarding noise and vibration was received by HS2 during the reporting period.

Abbreviations and Descriptions

The abbreviations, descriptions and project terminology used within this report can be found in Table 1.

Table 1: Table of Abbreviations

Acronym/Term	Definition
$L_{Aeq,T}$	See equivalent continuous sound pressure level
Ambient sound	A description of the all-encompassing sound at a given location and time which will include sound from many sources near and far. Ambient sound can be quantified in terms of the equivalent continuous sound pressure level, $L_{pAeq,T}$
Decibel(s), or dB	Between the quietest audible sound and the loudest tolerable sound there is a million to one ratio in sound pressure (measured in Pascal (Pa)). Because of this wide range, a level scale called the decibel (dB) scale, based on a logarithmic ratio, is used in sound measurement. Audibility of sound covers a range of approximately 0-140dB.
Decibel(s) A-weighted, or dB(A)	The human ear system does not respond uniformly to sound across the detectable frequency range and consequently instrumentation used to measure sound is weighted to represent the performance of the ear. This is known as the 'A weighting' and is written as 'dB(A)'.
Equivalent continuous sound pressure level, or $L_{Aeq,T}$	An index used internationally for the assessment of environmental sound impacts. It is defined as the notional unchanging level that would, over a given period of time (T), deliver the same sound energy as the actual time-varying sound over the same period. Hence fluctuating sound levels can be described in terms of an equivalent single figure value, typically expressed as a decibel level.
Exclusion of data	Measurement of noise levels can be affected by weather conditions such as prolonged periods of rain, wind speeds higher than 5m/s and snow/ice ground cover. Noise levels measured during these periods are considered not representative of normal noise conditions at the site and, for the purposes of this report, are excluded from the assessment of exceedances and calculation of typical noise levels and are also greyed out in charts. Identifiable incongruous noise and vibration events not attributable to HS2 construction noise are also excluded.
Façade	A facade noise level is the noise level 1m in front of a large reflecting surface. The effect of reflection, is to produce a slightly higher (typically +3 dB) sound level than it would be if the reflecting surface was not there.
Free-field	A free-field noise level is the noise level measured at a location where no reflective surfaces, other than the ground, lies within 3.5 metres of the microphone position.
LOAEL	Lowest Observed Adverse Effect Level - the level above which adverse effects on health and quality of life can be detected.
Peak particle velocity, or PPV	Instantaneous maximum velocity reached by a vibrating element as it oscillates about its rest position. The PPV is a simple indicator of perceptibility and risk of damage to structures due to vibration. It is usually measured in mm/s.
SOAEL	Significant Observed Adverse Effect Level - the level above which significant adverse effects on health and quality of life occur.
Sound pressure level	The parameter by which sound levels are measured in air. It is measured in decibels. The threshold of hearing has been set at 0dB, while the threshold of pain is approximately 120dB. Normal speech is approximately 60dB at a distance of 1 metre and a change of 3dB in a time varying sound signal is commonly regarded as being just detectable. A change of 10dB is subjectively twice, or half, as loud.
Vibration dose value, or VDV	An index used to evaluate human exposure to vibration in buildings. While the PPV provides information regarding the magnitude of single vibration events, the VDV provides a measure of the total vibration experienced over a specified period of time (typically 16h daytime and 8h night-time). It takes into account the magnitude, the number and the duration of vibration events and can be used to quantify exposure to continuous, impulsive, occasional and intermittent vibration. The vibration dose value is measured in $m/s^{1.75}$.

1 Introduction

1.1.1 HS2 is required to undertake noise (and vibration) monitoring as necessary to comply with the requirements of the High Speed Rail (London-West Midlands) Environmental Minimum Requirements, including specifically Annex 1: Code of Construction Practice, in addition to any monitoring requirements arising from conditions imposed through consents under Section 61 of the Control of Pollution Act, 1974 or through Undertakings & Assurances given to third parties. Such monitoring may be undertaken for the following purposes:

- monitoring the impact of construction works;
- to investigate complaints, incidents and exceedance of trigger levels; or
- monitoring the effectiveness of noise and vibration control measures.

1.1.2 Monitoring data and interpretive reports are to be provided to each relevant local authority on a monthly basis and shall include a summary of the construction activities occurring, the data recorded over the monitoring period, any complaints received, any periods in exceedance of agreed trigger levels, the results of any investigations and any actions taken or mitigation measures implemented. This report provides noise data, and interpretation thereof, for monitoring carried out by HS2 within the Lichfield District Council (LDC) area for the period 1st to 31st March 2025.

1.1.3 Construction sites in the local authority area where monitoring was undertaken during this period include:

- Shaw Lane Embankment ref: SLE (see Works Identification Plan 1 in Appendix A), where no works were undertaken.
- Fradley Wood Embankment ref: FEW (see Works Identification Plan 2 in Appendix A), where work activities included:
    - Road realignment works including auguring for rail posts, headwall installation, dewatering, v-ditch lining and stockpiling.
    - Footpath widening and diversion works including vegetation clearance, topsoil stripping, backfilling, concrete breaking, kerb installation and edging, valve rising and cutting.
    - Concrete crushing.
- Curborough Embankment ref: CE (see Works Identification Plan 2 in Appendix A), where no works were undertaken.
- A38 Southbound Slip Road Realignment ref: A38SSRR (see Works Identification Plan 3 in Appendix A), where work activities included:

    - Sheet pile installation.
    - Platform maintenance including stone deliveries, removals and installations.
    - Excavation works including, material movements and compaction.
    - Concrete breaking
    - Pile cropping.
- Streethay Cutting Retaining Structure ref: SCRS (see Works Identification Plan 3 in Appendix A), where work activities included:
    - Sheet pile installation.
    - Platform maintenance including stone deliveries, removals and installations.
    - Excavation works including concrete breaking, material movements and compaction.
    - Pile cropping.
    - Material deliveries.
    - Road sweeping.
    - General maintenance.
    - Vegetation clearance.
- South Staffs Lane ref: SSL (see Works Identification Plan 3 in Appendix A), where work activities included:
    - Sheet pile installation.
    - Platform maintenance including stone deliveries, removals and installations.
    - Excavation works including concrete breaking, material movements and compaction.
    - Pile cropping.
    - Deliveries and collections.
    - Road sweeping.
    - General maintenance.
    - Vegetation clearance.
- Cappers Lane Compound ref: CLC (see Works Identification Plan 4 in Appendix A), where work activities included:
    - Fencing installation.
    - Ground compaction.

- Whittington Common Cutting ref: WCC (see Works Identification Plan 4 in Appendix A), where work activities included:
    - Overbridge construction.
- Tamworth Road Overbridge Satellite ref: TROS (see Works Identification Plan 5 in Appendix A), where work activities included:
    - Compound operation.
    - Footpath construction.
    - Noise barrier testing.
- Swinfen Cutting South ref: SCS (see Works Identification Plan 4 in Appendix A), where work activities included:
    - Mobilisation.
- Trunk's Road ref: N23 (see Works Identification Plan 6 in Appendix A), where work activities included:
    - Mobilisation.
- Sutton Road Overbridge ref: SRO (see Works Identification Plan 8 in Appendix A), where work activities included:
    - Concrete pouring.
    - Shuttering installation, striking and dismantling.
    - Piling, including pile cropping, pile trimming, pile cutting and breaking of piles.
    - Steel fixing.
    - Water pumping.
    - Reinforced bar installation.
- Drayton Lane Cutting ref: DLC (see Works Identification Plan 9 in Appendix A), where work activities included:
    - Concrete scabbling.
    - Lifting operations.
    - Steel fixing and shuttering.
    - Concrete pouring.
    - Haul road maintenance.
    - Parapet installation.

1.1.4 The applicable standards, guidance, and monitoring methodology are outlined in the construction noise and vibration monitoring methodology report which can be found at the following location https://www.gov.uk/government/collectons/monitoring-the-environmental-effects-of-hs2. Noise and vibration monitoring reports for previous months can also be found at this location.

1.2 Measurement Locations

1.2.1 Eighteen (18) noise monitoring and six (6) vibration monitoring installations were active in March 2025 in the LDC area. Table 2 summarises the location of the noise and vibration monitoring installations within the LDC area in March 2025.

1.2.2 An additional noise monitor, ref.: CE-N1, was installed at Gorse Farm, Wood End Lane, worksite ref CE, on the 1st of March.

1.2.3 The noise monitor at measurement location WCC-N1, worksite WCC, was removed on the 1st of March as works in the vicinity have ceased.

1.2.4 Maps showing the positions of the noise monitoring installations are presented in Appendix B.

Table 2: Monitoring Locations

Worksite Reference	Measurement Reference	Address
SLE	SLE-N2	Shaw Lane Carpark, Tuppenhurst Lane
	SLE-V1	Shaw Lane Carpark, Tuppenhurst Lane
FEW	FEW-N1	Wood End Farm, Wood End Lane
	FEW-V3	Wood End Farm, Wood End Lane
CE	CE-N1	Gorse Farm, Wood End Lane
A38SSRR	A38SSRR-N1	Thompson Way, Streethay
SCRS	SCRS-N1	Manor House, Burton Road, Streethay
	SCRS-N2	Kings Orchard Marina, Broad Ln, Huddlesford
SSL	SSL-N1	Ash Tree Lane, Hill Farm, Fradley and Streethay
CLC	CLC-N1	Ivy Cottage, Park Lane, Fradley and Streethay
	CLC-N4	Huddlesford Lane, Fradley and Streethay
	CLC-V1	Ivy Cottage, Park Lane, Fradley and Streethay
WCC	WCC-N2	Ellfield House, Whittington Common Road, Whittington
	WCC-N3	Whittington Hill Farm DLOB Facade, Darnford Lane, Whittington
TROS	TROS-N1	Tamworth Road Overbridge Site, Tamworth Road, Whittington

Worksite Reference	Measurement Reference	Address
	TROS-N2	The Bungalow, Tamworth Road, Whittington
	TROS-V2	The Bungalow, Tamworth Road, Whittington
SCS	SCS-N1	The Lodge, Rock Hill, Hints
N23	N23-N1	21 Roman Road
SRO	SRO-N1	Sutton Road, Drayton Bassett, Mile Oak
	SRO-N3	White House Farm, Bangley Lane, Tamworth
	SRO-V2	Bangley Lane, Hints
	SRO-V3	White House Farm, Bangley Lane, Tamworth
DLC	DLC-N1	Oak Dairy Farm, Drayton Lane

2 Summary of Results

2.1 Summary of Measured Noise and Vibration Levels

2.1.1 Table 3 presents a summary of the measured noise levels at the monitoring locations over the reporting period. The $L_{Aeq,T}$ is presented for each of the relevant time periods averaged over the calendar month, along with the highest single period $L_{Aeq,T}$ that was found to occur within the month.

Table 3: Summary of Measured dB L_{Aeq} Data over the Monitoring Period

Worksite Reference	Measurement Reference	Site Address	Free-Field or Façade Measurement	Weekday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)					Saturday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)					Sunday / Public Holiday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)	
				0700 - 0800	0800 - 1800	1800 - 1900	1900 - 2200	2200 - 0700	0700 - 0800	0800 - 1300	1300 - 1400	1400 - 2200	2200 - 0700	0700 - 2200	2200 - 0700
SLE	SLE-N2	Shaw Lane Carpark, Tuppenhurst Lane	Free-field	52.0 (56.4)	51.5 (57.2)	52.7 (58.4)	51.5 (56.5)	49.1 (58.7)	50.4 (56.7)	51.1 (55.5)	52.0 (56.1)	51.0 (58.8)	42.7 (50.2)	49.6 (57.5)	45.6 (56.3)
FEW	FEW-N1	Wood End Farm, Wood End Lane	Free-field	60.5 (61.8)	59.3 (61.2)	58.1 (60.0)	54.7 (59.4)	54.2 (60.9)	55.5 (56.7)	57.8 (58.7)	58.4 (58.7)	56.1 (59.7)	49.5 (53.4)	56.9 (62.1)	52.4 (59.5)
CE	CE-N1	Gorse Farm, Wood End Lane	Free-field	60.7 (62.2)	59.8 (62.5)	59.2 (62.9)	56.1 (61.0)	55.5 (62.4)	56.4 (57.0)	58.6 (59.2)	58.6 (60.2)	56.8 (60.0)	51.1 (54.4)	56.7 (60.5)	53.5 (59.6)
A38SSRR	A38SSRR-N1	Thompson Way, Streethay	Free-field	60.7 (62.7)	60.7 (66.7)	59.6 (61.6)	58.1 (60.4)	56.6 (62.1)	58.0 (58.9)	58.3 (59.2)	58.5 (60.2)	57.7 (59.2)	53.1 (56.8)	57.3 (59.9)	55.5 (61.7)
SCRS	SCRS-N1	West of Manor House, Burton Road, Streethay	Free-field	54.2 (59.1)	54.7 (63.1)	52.9 (57.0)	51.1 (55.7)	50.7 (58.9)	52.9 (55.2)	51.9 (52.9)	51.2 (54.2)	50.6 (54.5)	47.0 (52.2)	49.6 (53.1)	48.5 (56.2)
	SCRS-N2	Kings Orchard Marina, Broad Ln, Huddlesford	Free-field	52.6 (59.2)	51.9 (58.9)	50.0 (53.7)	49.7 (55.4)	48.9 (56.4)	50.7 (54.3)	48.1 (51.8)	45.5 (50.0)	48.2 (53.0)	46.2 (52.4)	50.0 (55.8)	47.9 (57.4)
SSL	SSL-N1	Ash Tree Lane, Hill Farm, Fradley and Streethay	Free-field	57.6 (62.4)	56.0 (65.1)	54.6 (58.4)	53.6 (57.0)	53.4 (60.5)	54.7 (57.2)	53.0 (56.5)	52.0 (56.9)	52.4 (57.9)	50.2 (55.4)	53.3 (61.3)	51.3 (60.3)

Worksite Reference	Measurement Reference	Site Address	Free-Field or Façade Measurement	Weekday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)					Saturday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)					Sunday / Public Holiday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)	
				0700 - 0800	0800 - 1800	1800 - 1900	1900 - 2200	2200 - 0700	0700 - 0800	0800 - 1300	1300 - 1400	1400 - 2200	2200 - 0700	0700 - 2200	2200 - 0700
CLC	CLC-N1	Ivy Cottage, Park Lane, Fradley and Streethay	Free-field	58.1 (61.0)	56.5 (58.3)	56.5 (58.4)	55.1 (58.6)	52.1 (59.0)	56.0 (58.4)	55.9 (57.3)	55.1 (56.6)	55.3 (59.1)	48.3 (55.5)	55.3 (61.0)	50.0 (58.8)
	CLC-N4	Huddlesford Lane, Fradley and Streethay	Free-field	63.1 (66.9)	62.3 (63.6)	63.2 (64.7)	62.2 (65.0)	58.4 (64.5)	61.5 (63.2)	61.9 (62.4)	62.2 (63.5)	61.8 (65.3)	47.0 (56.4)	59.5 (65.2)	55.6 (63.6)
WCC	WCC-N2	Ellfield House, Whittington Common Road, Whittington	Free-field	49.9 (53.5)	48.6 (53.2)	46.7 (49.3)	45.1 (52.0)	43.4 (51.6)	47.0 (49.2)	46.2 (48.4)	44.7 (48.1)	43.6 (47.5)	41.6 (50.2)	45.5 (53.7)	40.5 (51.6)
	WCC-N3	DLOB Facade, Whittington Hill Farm Darnford Lane	Free-field	50.5 (55.3)	54.0 (57.9)	46.9 (55.6)	45.6 (49.8)	44.0 (52.9)	46.0 (49.5)	45.0 (47.1)	44.0 (48.3)	44.7 (50.6)	40.2 (49.9)	46.7 (61.6)	42.2 (51.9)
TROS	TROS-N1	South Lodge, Tamworth Road, Whittington	Free-field	62.2 (64.4)	60.0 (61.4)	59.9 (61.7)	57.3 (60.8)	52.7 (60.6)	56.8 (57.9)	59.2 (60.2)	59.6 (60.5)	58.4 (61.0)	50.8 (57.0)	58.4 (61.0)	52.1 (59.8)
	TROS-N2	The Bungalow, Tamworth Road, Whittington	Free-field	49.1 (54.1)	48.8 (60.6)	45.6 (50.1)	42.7 (48.2)	43.5 (53.4)	48.1 (51.1)	46.2 (47.0)	43.2 (45.0)	43.9 (49.6)	43.4 (51.3)	44.8 (49.1)	42.7 (51.7)
SCS	SCS-N1	The Lodge, Rock Hill, Hints	Freefield	55.6 (58.2)	53.3 (54.8)	53.1 (54.3)	50.4 (54.0)	48.3 (56.4)	51.1 (52.3)	53.0 (54.2)	53.0 (54.7)	51.8 (57.1)	44.7 (49.4)	52.8 (63.9)	47.4 (56.3)
N23	N23-N1	21 Roman Road	Free-field	60.1 (62.4)	57.9 (59.5)	57.0 (59.1)	53.8 (57.9)	52.2 (60.9)	55.2 (56.7)	56.5 (57.6)	56.2 (58.3)	55.2 (59.1)	48.9 (53.7)	55.6 (60.5)	51.0 (59.6)

Worksite Reference	Measurement Reference	Site Address	Free-Field or Façade Measurement	Weekday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)					Saturday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)					Sunday / Public Holiday Average $L_{Aeq,T}$ (Highest Day $L_{Aeq,T}$)	
				0700 - 0800	0800 - 1800	1800 - 1900	1900 - 2200	2200 - 0700	0700 - 0800	0800 - 1300	1300 - 1400	1400 - 2200	2200 - 0700	0700 - 2200	2200 - 0700
SRO	SRO-N1	Sutton Road, Drayton Bassett, Mile Oak	Free-field	52.5 (55.5)	52.2 (57.6)	51.3 (53.9)	49.1 (52.4)	46.2 (54.4)	49.8 (52.2)	50.4 (52.1)	51.5 (52.9)	50.6 (53.3)	44.7 (48.3)	50.1 (55.8)	45.8 (54.7)
	SRO-N3	White House Farm, Bangley Lane, Tamworth	Free-field	48.7 (52.2)	50.8 (53.6)	47.6 (53.2)	44.2 (50.8)	41.8 (49.8)	45.3 (46.1)	46.2 (48.2)	44.4 (47.2)	44.2 (52.3)	39.1 (44.7)	47.5 (58.7)	39.6 (49.1)
DLC	DLC-N1	Oak Dairy Farm, Drayton Lane	Free-field	51.9 (55.7)	49.5 (70.1)	47.7 (54.4)	43.6 (52.1)	46.1 (59.1)	50.7 (54.0)	49.9 (53.2)	48.0 (50.6)	45.9 (51.7)	46.6 (65.4)	48.9 (57.7)	45.0 (57.2)

2.1.2 Table 4 presents a summary of the measured vibration levels at each monitoring location over the reporting period. The highest PPV measured during the monitoring along any axis is presented in the table.

Table 4: Summary of Measured PPV Data over the Monitoring Period

Worksite Reference	Measurement Reference	Monitor Address	Highest PPV measured in any axis, mm/s
SLE	SLE-V1	Shaw Lane Carpark, Tuppenhurst Lane	0.48 (Z-axis)
FEW	FEW-V3	Wood End Farm, Wood End Lane	1.08 (X-axis)
CLC	CLC-V1	Ivy Cottage, Park Lane, Fradley and Streethay, Whittington	1.19 (Z-axis)
TROS	TROS-V2	The Bungalow, Tamworth Road	0.87 (Z-axis)
SRO	SRO-V2	Bangley Lane, Hints	0.83 (Z-axis)
	SRO-V3	White House Farm, Bangley Lane, Tamworth	0.59 (Y-axis)

2.1.3 Appendix C presents graphs of the noise and vibration monitoring data over the month for each of the measurement locations. Noise data presented consists of the hourly L_{Aeq} values and, where relevant, the $L_{Aeq,T}$ values (where the time period T has been taken to be the averaging period as specified in Table 1 of HS2 Information Paper E23). Vibration data presented consist of hourly PPV values. The full data set for the monitoring equipment can be found at the following location: https://data.gov.uk/dataset/24542ae7-dd44-444f-b259-871c4cc43b5e/environmental-monitoring-data.

2.2 Exceedances of the LOAEL and SOAEL

2.2.1 The lowest observed adverse effect level (LOAEL) is defined in the Planning Practice Guidance – Noise (PPG) as the level above which "noise starts to cause small changes in behaviour and/or attitude, e.g. turning up volume of television; speaking more loudly; where there is no alternative ventilation, having to close windows for some of the time because of the noise. Potential for some reported sleep disturbance. Affects the acoustic character of the area such that there is a perceived change in the quality of life".

2.2.2 The significant observed adverse effect level (SOAEL) is defined in the 'Planning Practice Guidance – Noise' as the level above which "noise causes a material change in behaviour and/or attitude, e.g. avoiding certain activities during periods of intrusion; where there is no alternative ventilation, having to keep windows closed most of the time because of the noise. Potential for sleep disturbance resulting in difficulty in getting to sleep, premature awakening and difficulty in getting back to sleep. Quality of life diminished due to change in acoustic character of the area."

2.2.3 HS2 Phase One Information Paper E23: Control of Construction Noise and Vibration sets out the LOAELs and SOAELs for construction noise.

2.2.4 Where reported construction noise levels exceed the LOAEL and SOAEL, relevant periods will be identified. Summary statistics to evaluate ongoing qualification for noise insulation and temporary rehousing are also presented where relevant.

2.2.5 Table 5 presents a summary of recorded exceedances of the LOAEL and SOAEL at each measurement location over the reporting period, including the number of exceedances during each time period.

Table 5: Summary of Exceedances of LOAEL and SOAEL

Worksite Reference	Measurement Reference	Site Address	Day (Weekday, Saturday, Sunday, Night)	Time Period	Number of Exceedances of LOAEL	Number of Exceedances of SOAEL
SLE	SLE-N2	Shaw Lane Carpark, Tuppenhurst Lane	All days	All periods	No exceedance	No exceedance
FEW	FEW-N1	Wood End Farm, Wood End Lane	Weekday	0700-0800	19	No exceedance
CE	CE-N1	Gorse Farm, Wood End Lane	All days	All periods	No exceedance	No exceedance
A38SSRR	A38SSRR-N1	Thompson Way, Streethay	Weekday Weekday Night	0700-0800 1900-2200 2200-0700	1 5 11	No exceedance
SCRS	SCRS-N1	West of Manor House, Burton Road	All days	All periods	No exceedance	No exceedance
	SCRS-N2	Kings Orchard Marina, Broad Lane	Weekday Night	0700-0800 2200-0700	1 30	No exceedance

Worksite Reference	Measurement Reference	Site Address	Day (Weekday, Saturday, Sunday, Night)	Time Period	Number of Exceedances of LOAEL	Number of Exceedances of SOAEL
SSL	SSL-N1	Ash Tree Lane, Hill Farm	Weekday	All periods	No exceedance	No exceedance
CLC	CLC-N1	Ivy Cottage, Park Lane	All days	All periods	No exceedance	No exceedance
	CLC-N4	Huddlesford Lane	All days	All periods	No exceedance	No exceedance
WCC	WCC-N2	Ellfield House	All days	All periods	No exceedance	No exceedance
	WCC-N3	DLOB Facade, Whittington Hill Farm	All days	All periods	No exceedance	No exceedance
TROS	TROS-N1	South Lodge, Tamworth Road	All days	All periods	No exceedance	No exceedance
	TROS-N2	The Bungalow, Tamworth Road	All days	All periods	No exceedance	No exceedance
SCS	SCS-N1	The Lodge, Rock Hill, Hints	All days	All periods	No exceedance	No exceedance
N23	N23-N1	21 Roman Road	All days	All periods	No exceedance	No exceedance
SRO	SRO-N1	Sutton Road, Drayton Bassett	All days	All periods	No exceedance	No exceedance
	SRO-N3	White House Farm, Bangley Lane	All days	All periods	No exceedance	No exceedance
DLC	DLC-N1	Oak Dairy Farm, Drayton Lane	Weekday	0800-1800	1	No exceedance

2.2.6 There were exceedances of the LOAEL due to HS2 construction works at four (4) monitoring locations during weekday daytime and evening, and night periods.

2.2.7 No exceedances of the SOAEL were recorded due to HS2 construction works during March 2025.

2.3 Exceedances of Trigger Level

2.3.1 Table 6 provides a summary of exceedances of the Section 61 trigger noise levels determined to be due to HS2 related construction noise measured during the reporting period, along with the findings of any investigation.

Table 6: Summary of Exceedances of Trigger Levels

Complaint Reference Number (if applicable)	Worksite Reference	Date and Time Period	Identified Source	Results of Investigation (including noise monitoring results)	Actions Taken
-	-	-	-	-	-

2.4 Complaints

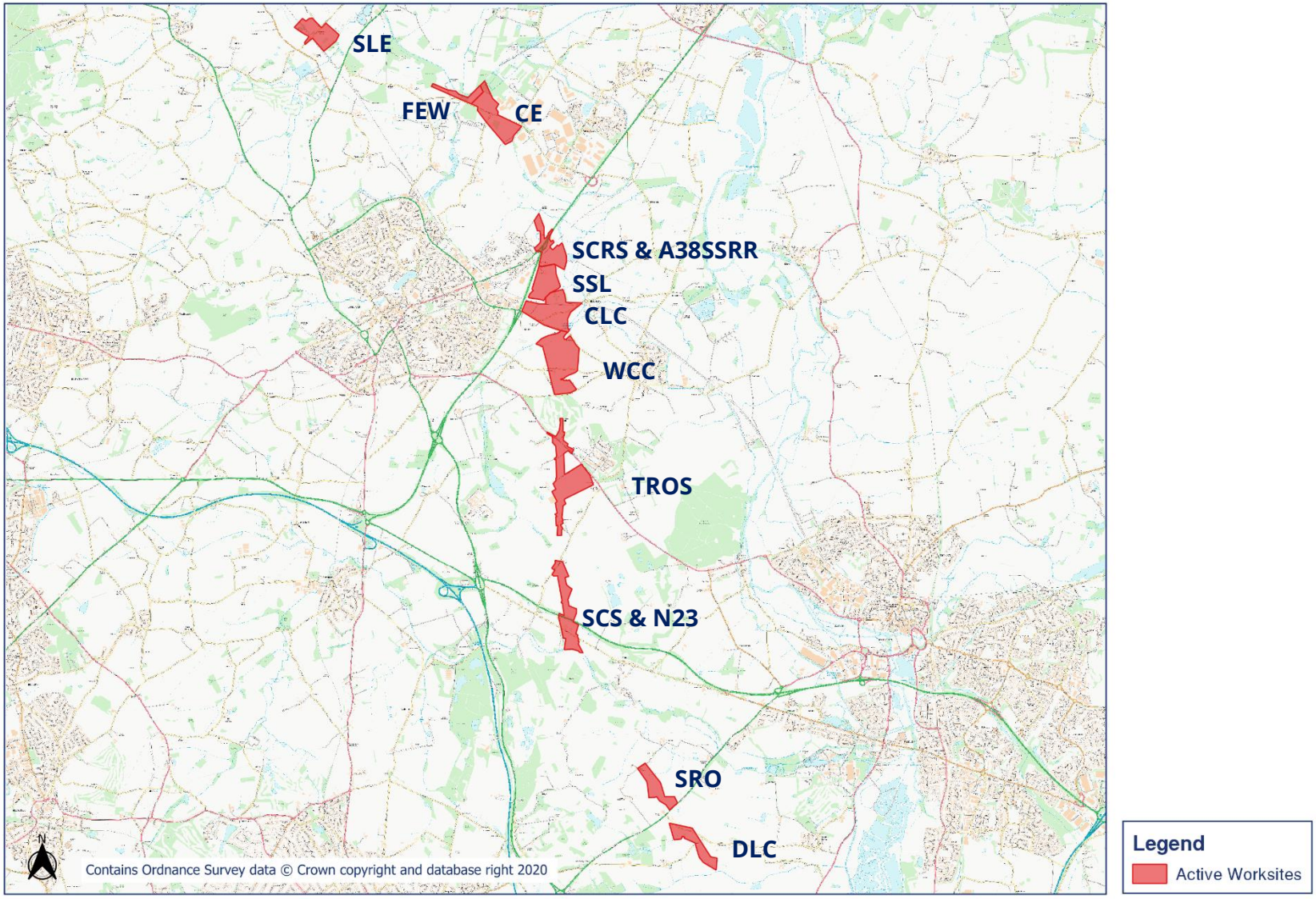
2.4.1 Table 7 provides a summary of complaint information related to noise received during the reporting period, along with the findings of any investigation.

Table 7: Summary of Complaints

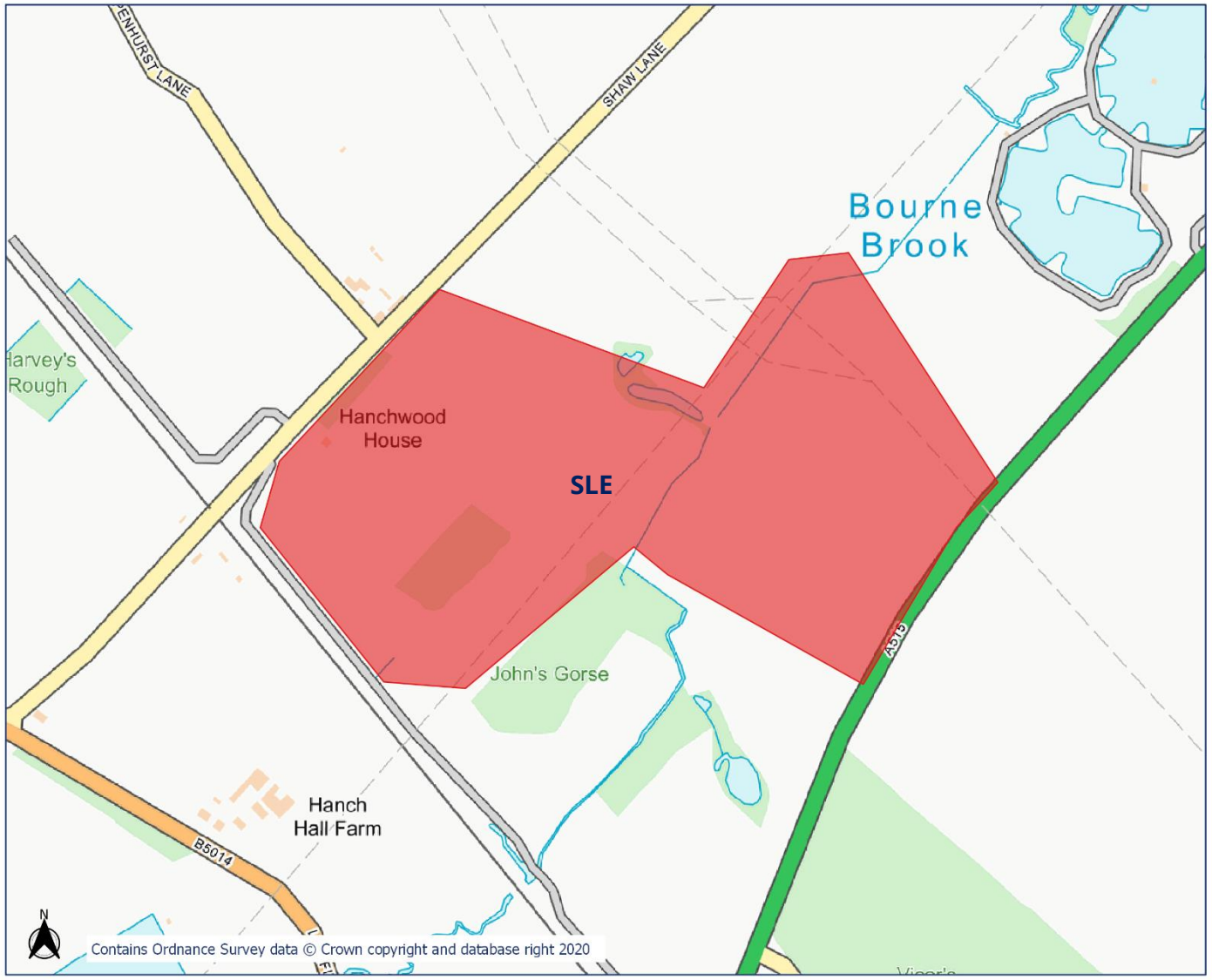
Complaint Reference Number	Worksite Reference	Description of Complaint	Results of Investigation	Actions Taken
HS2-25-120083-E-C	WCC	General noise	No HS2 works were taking place in the area at the time of the complaint.	Information has been provided to the resident.

Appendix A Site Locations

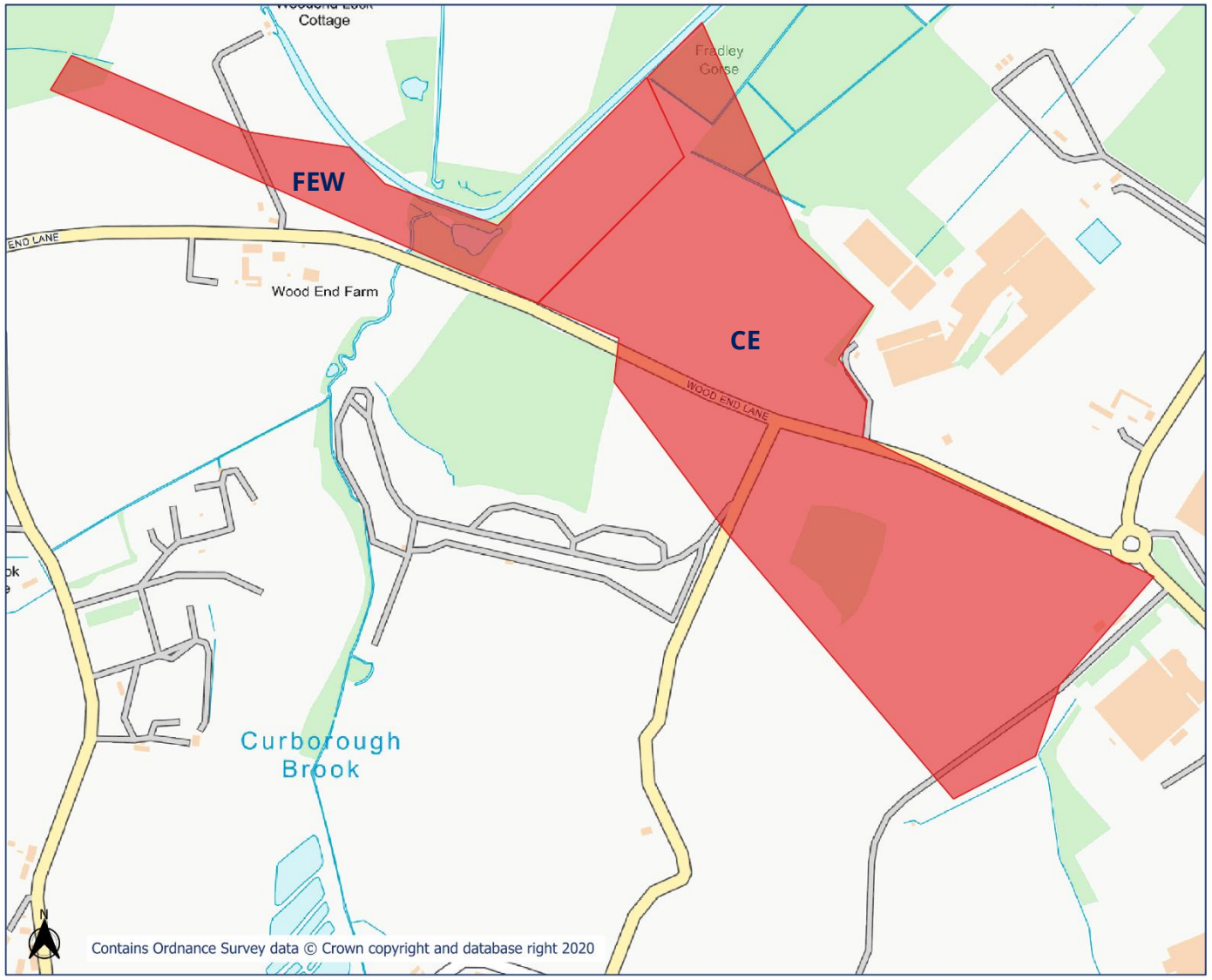
HS2 Worksite Identification Plan - Overview



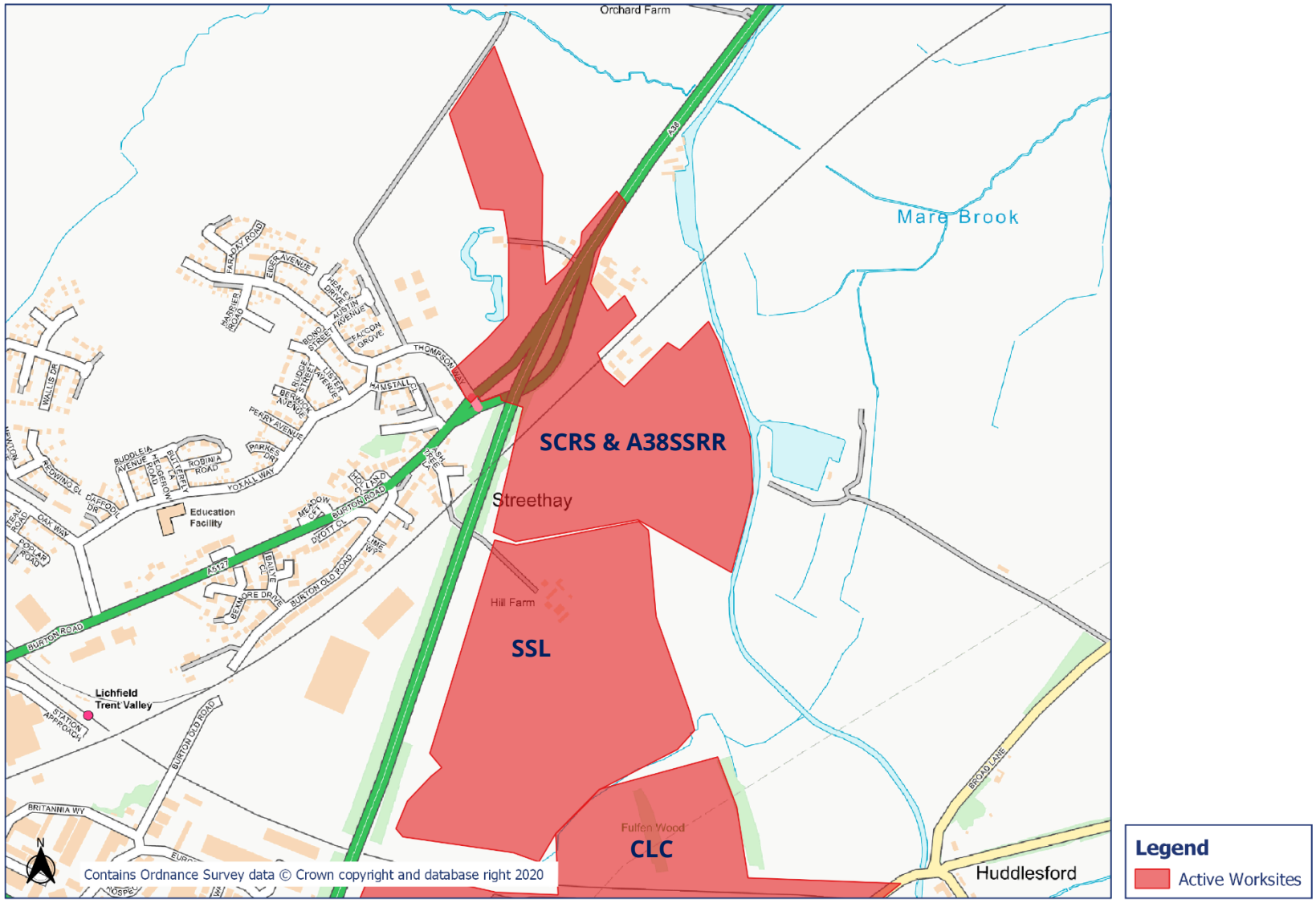
Worksite Identification Plan - 1



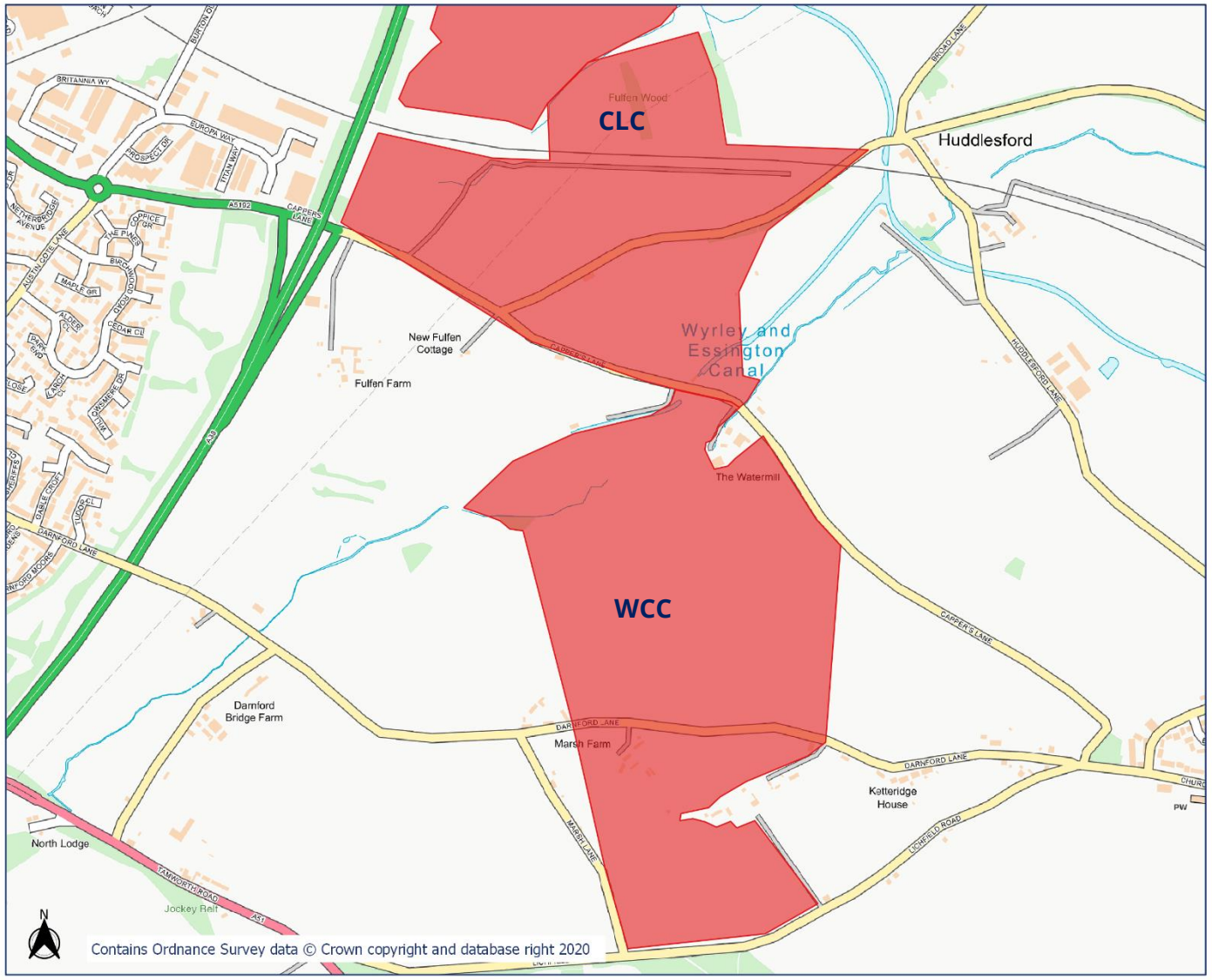
Worksite Identification Plan - 2



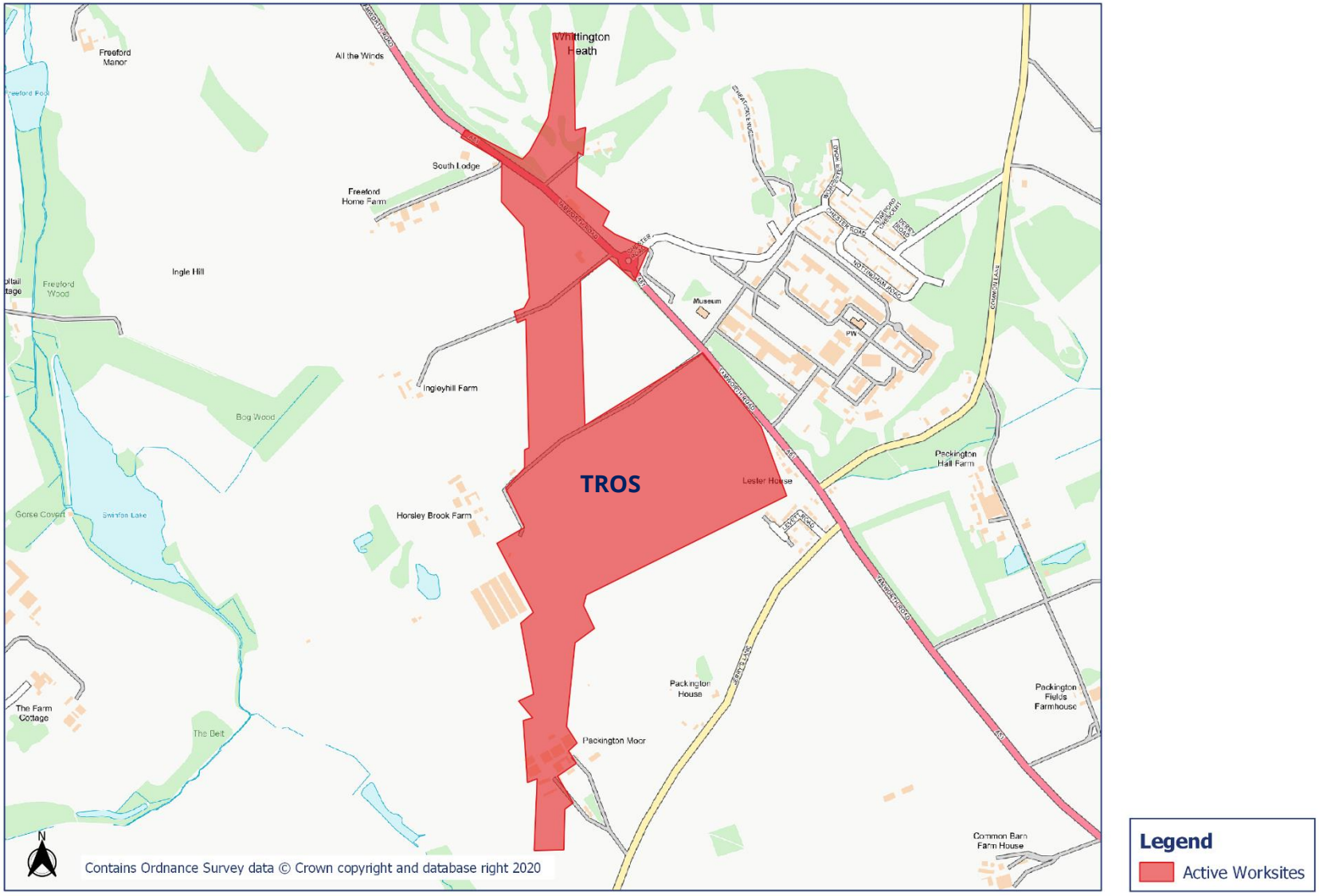
Worksite Identification Plan - 3



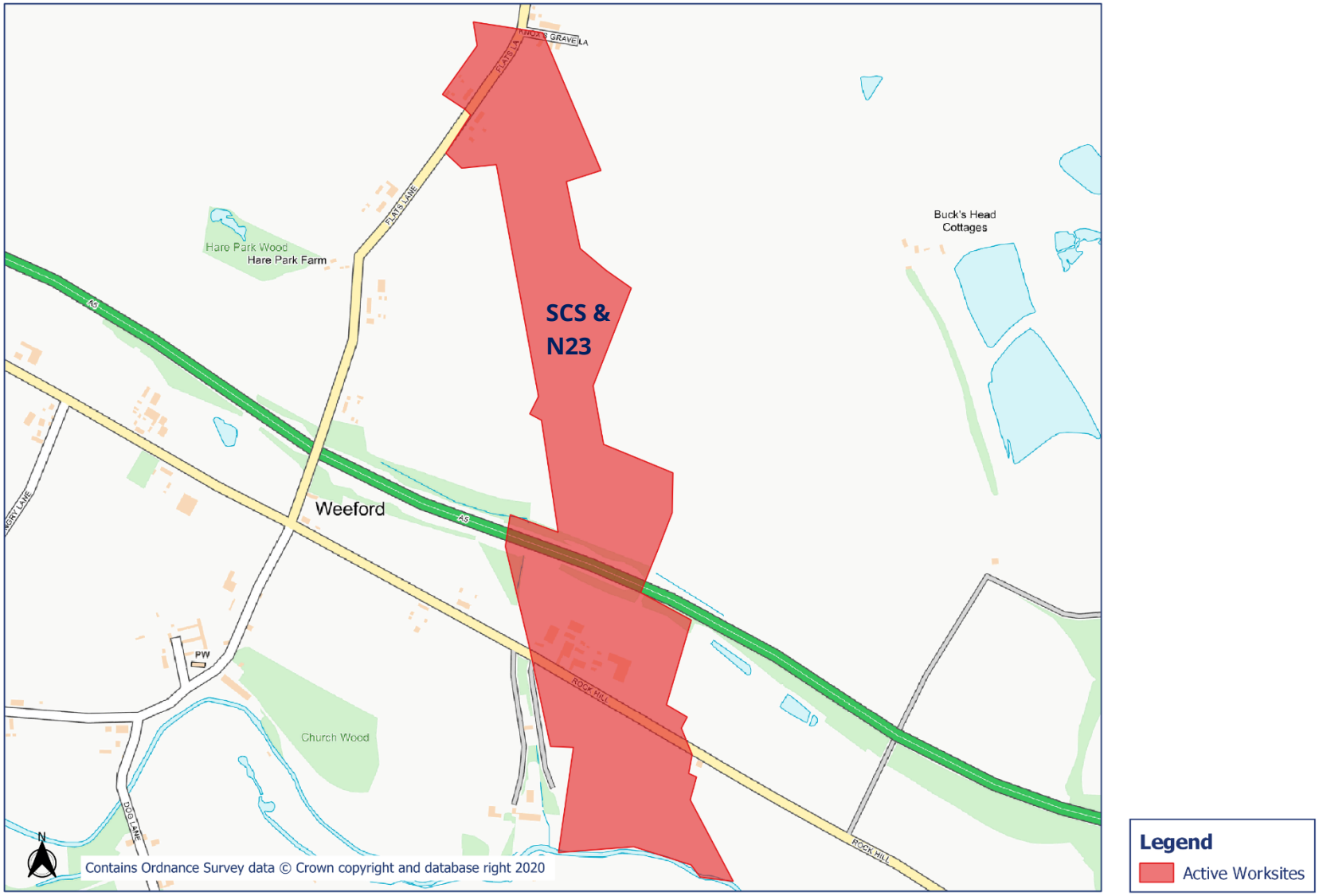
Worksite Identification Plan - 4



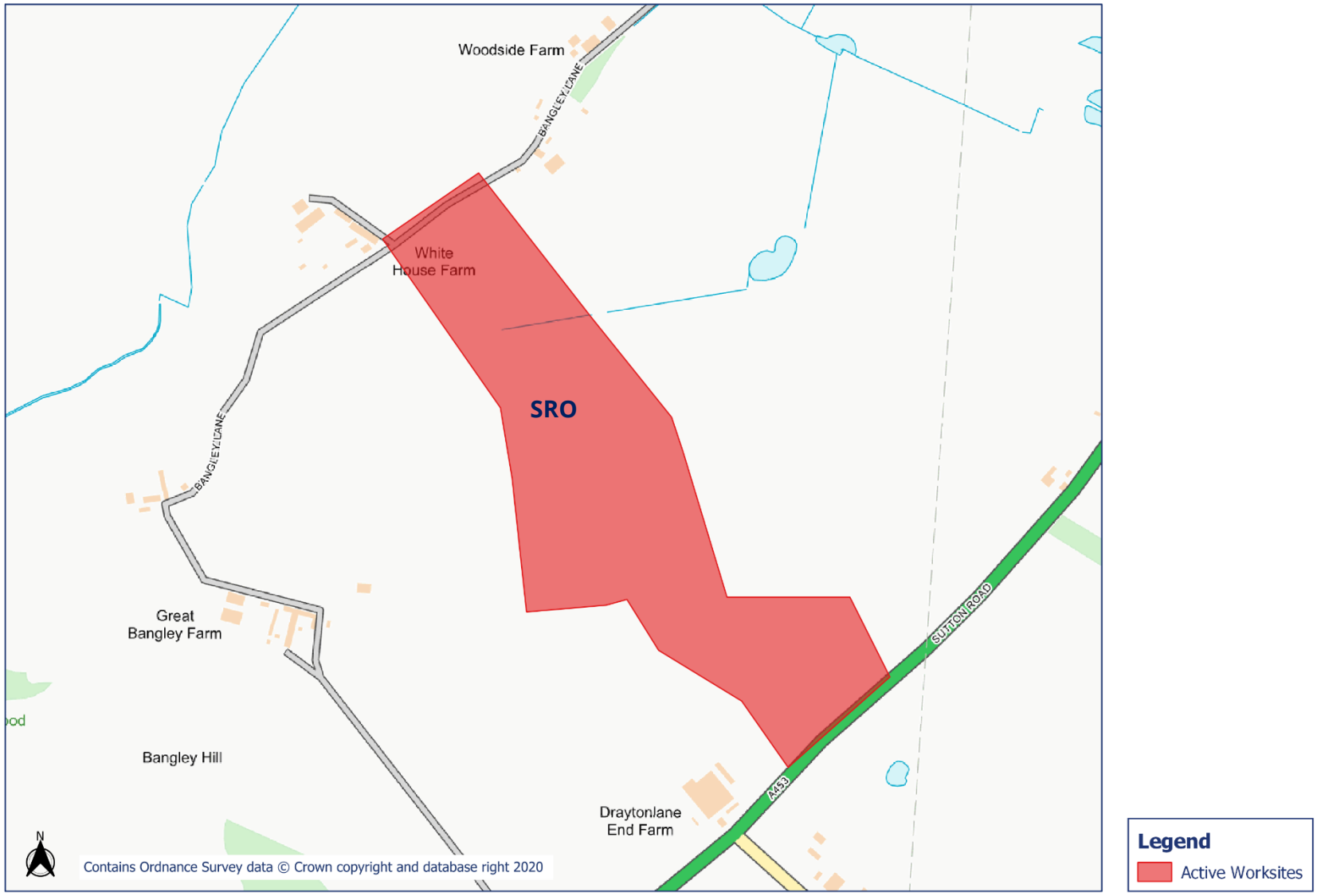
Worksite Identification Plan - 5



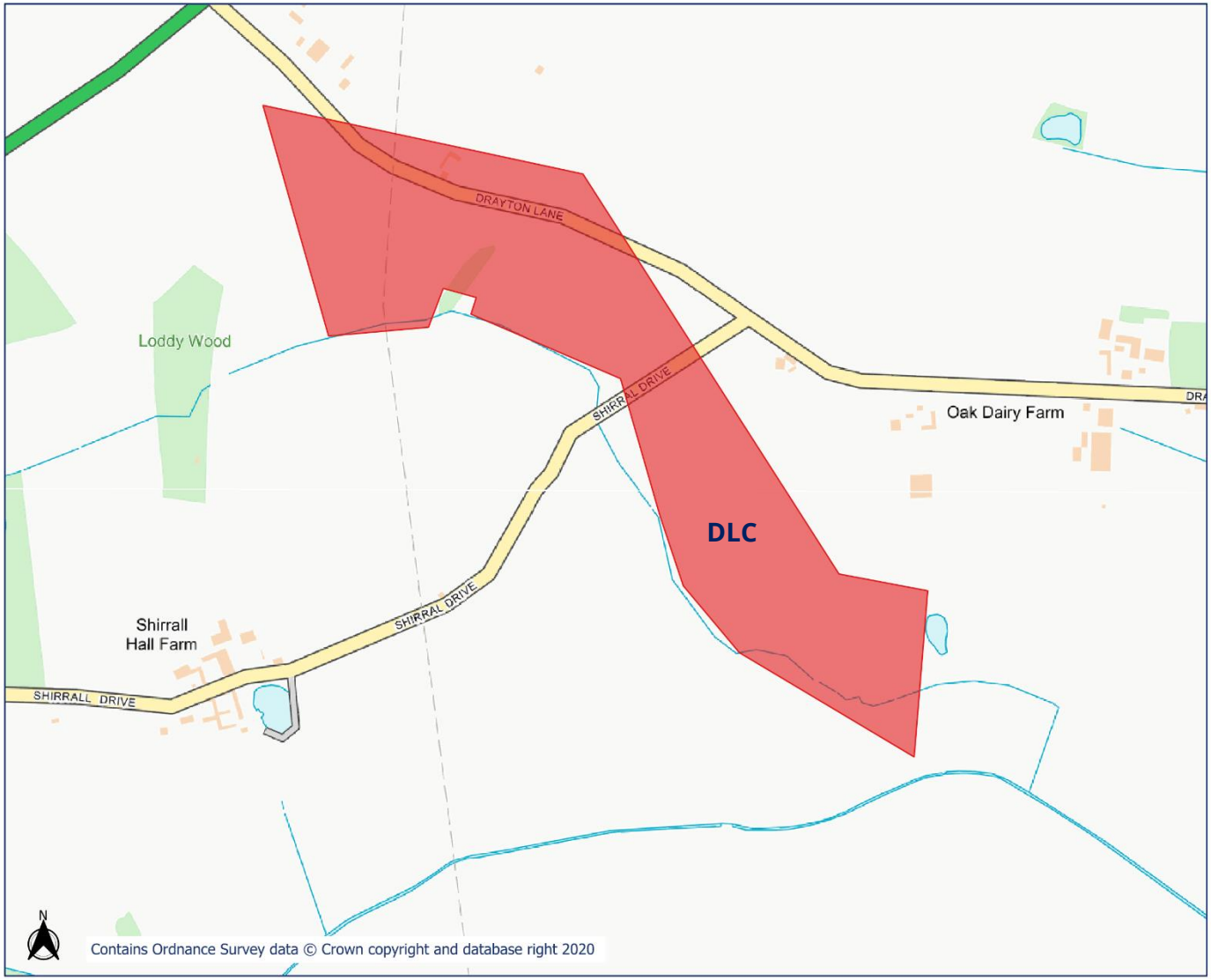
Worksite Identification Plan - 6



Worksite Identification Plan - 7

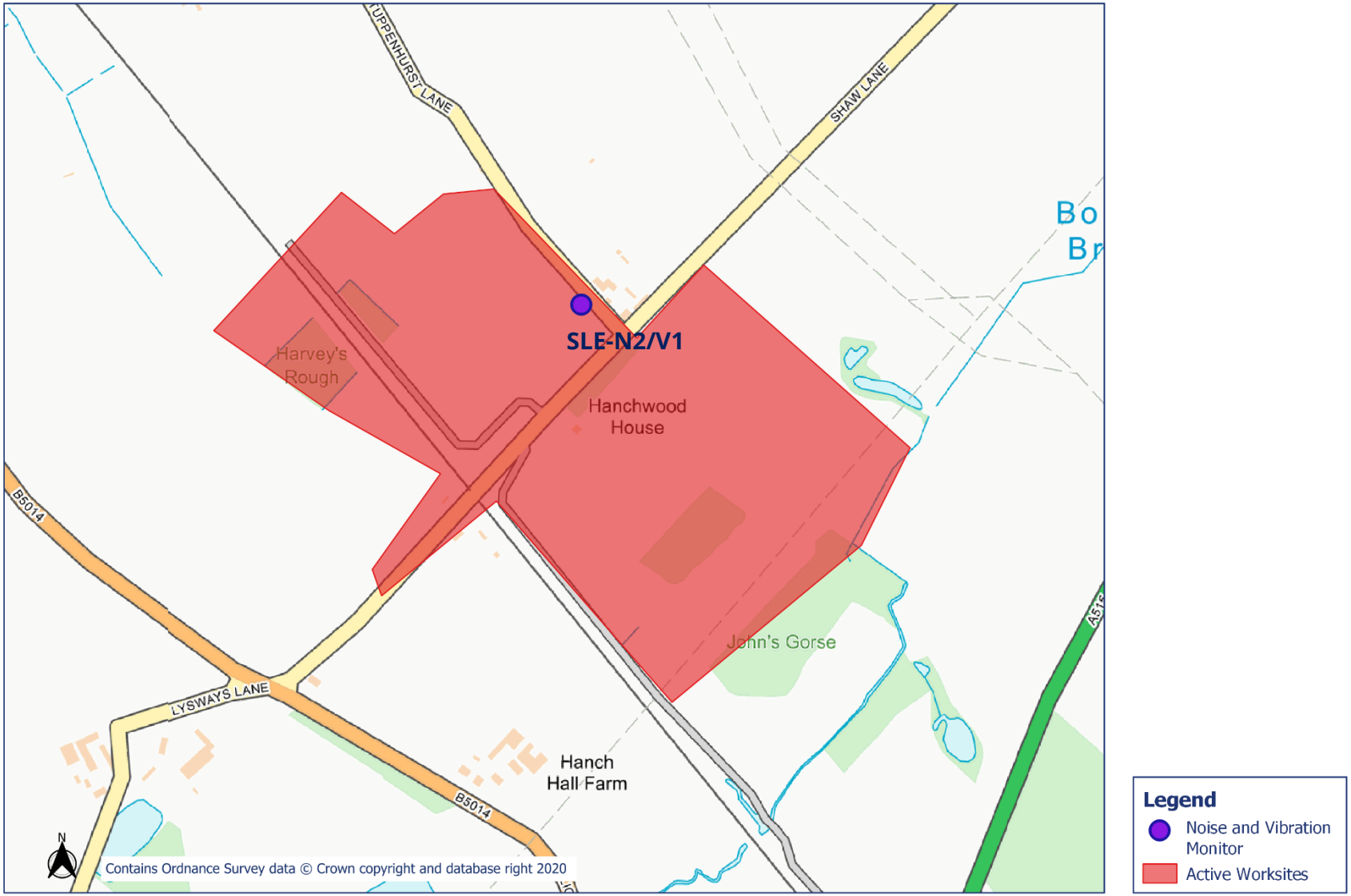


Worksite Identification Plan - 8

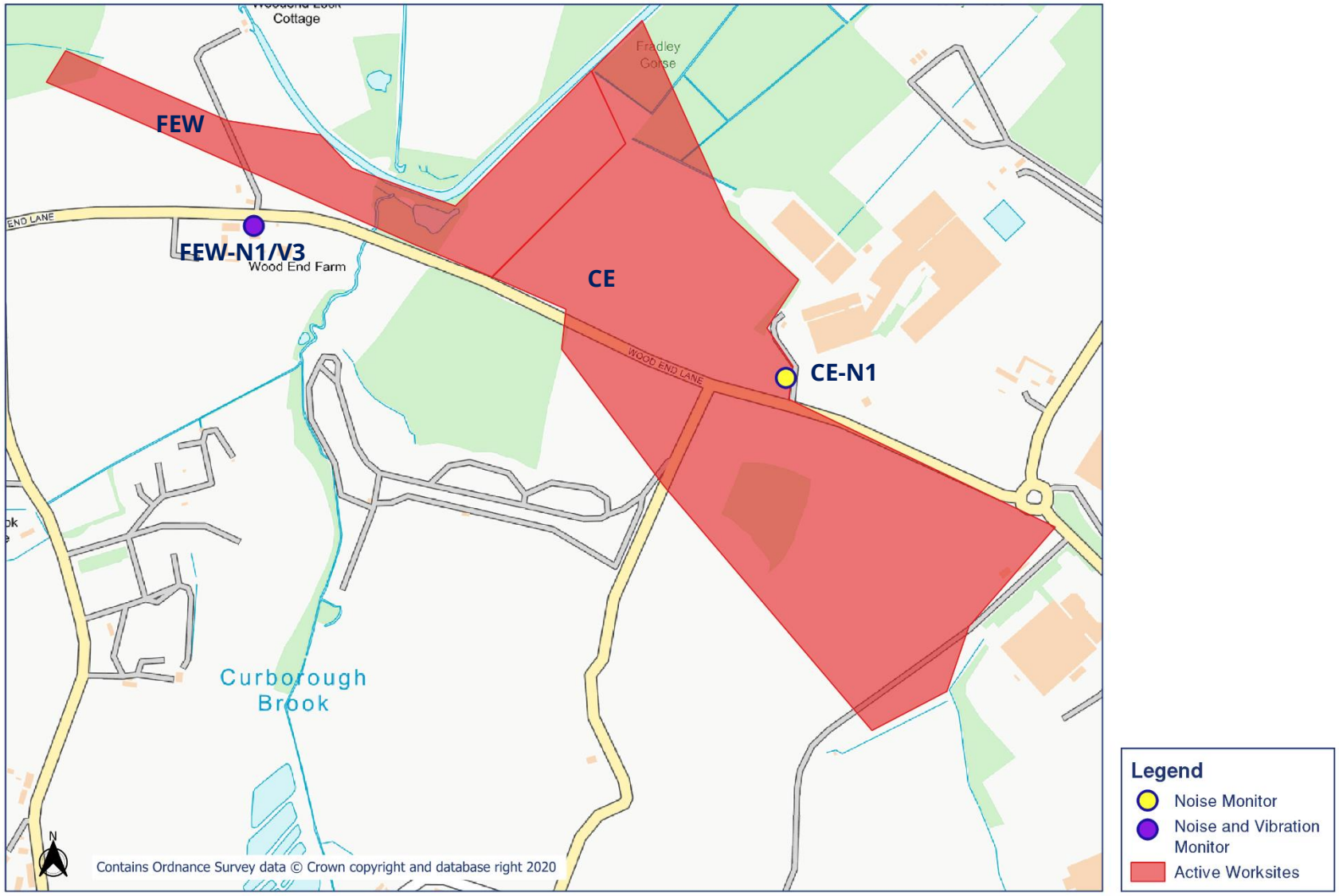


Appendix B Monitoring Locations

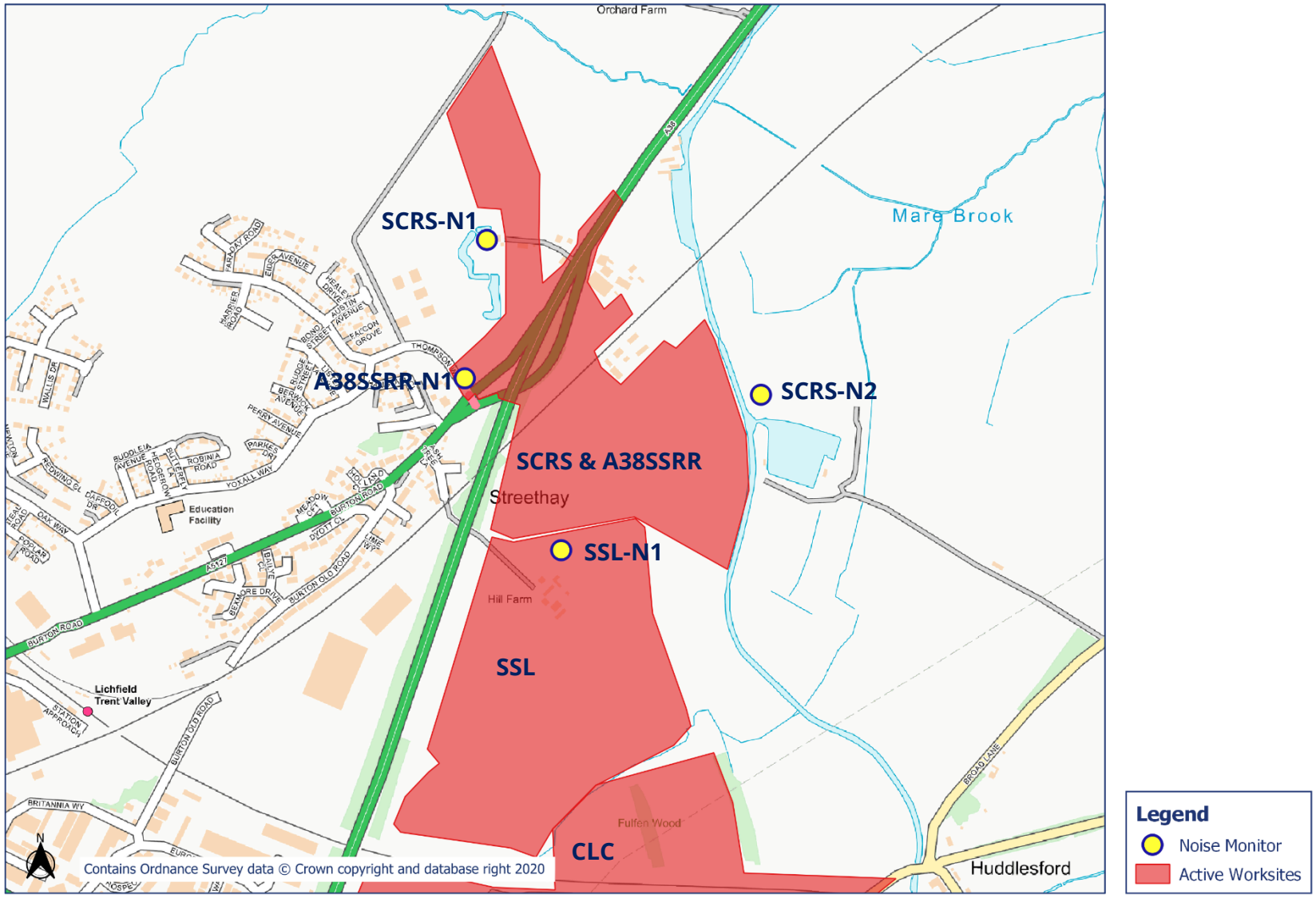
Noise and Vibration Monitoring Plan - 1



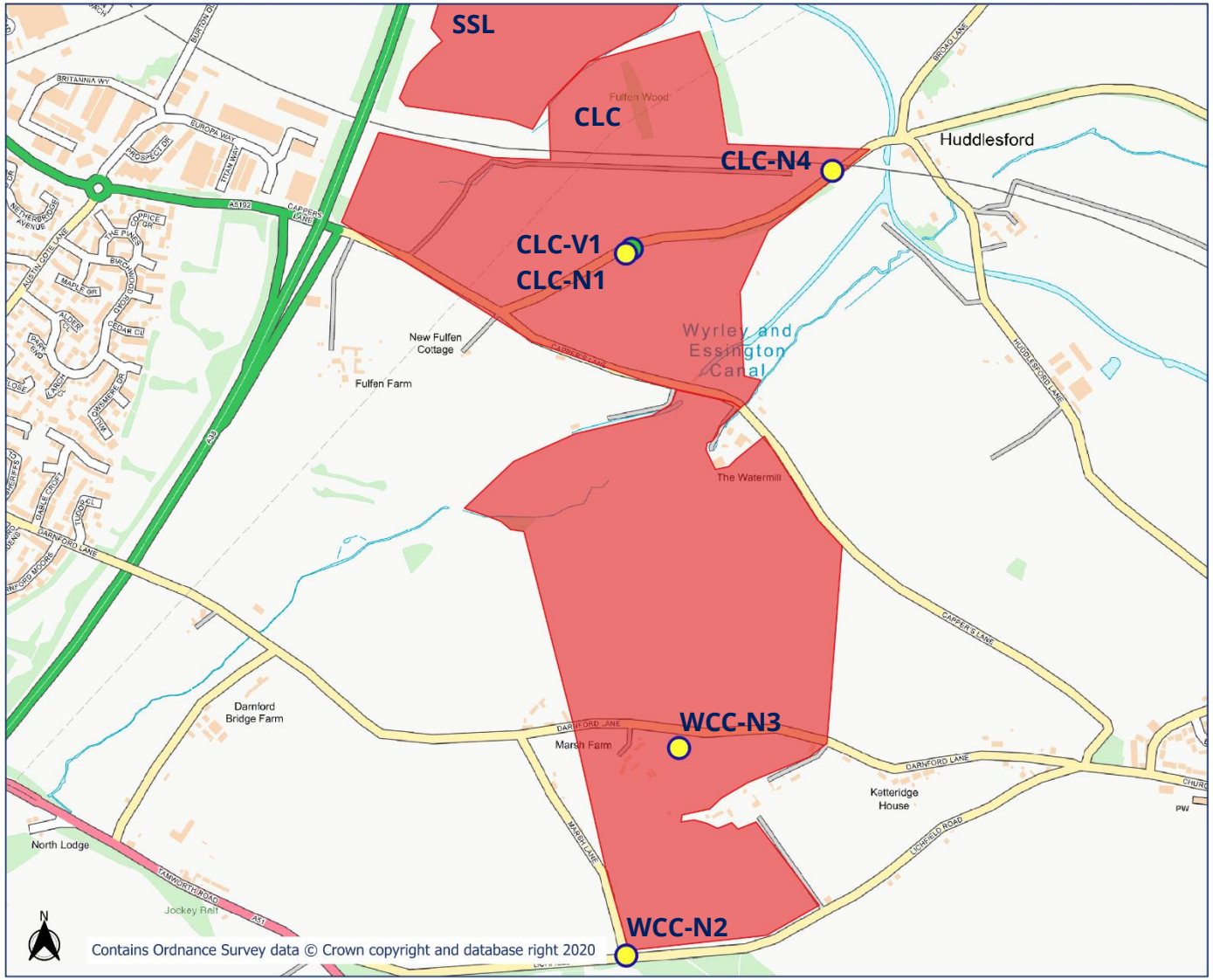
Noise and Vibration Monitoring Plan - 2



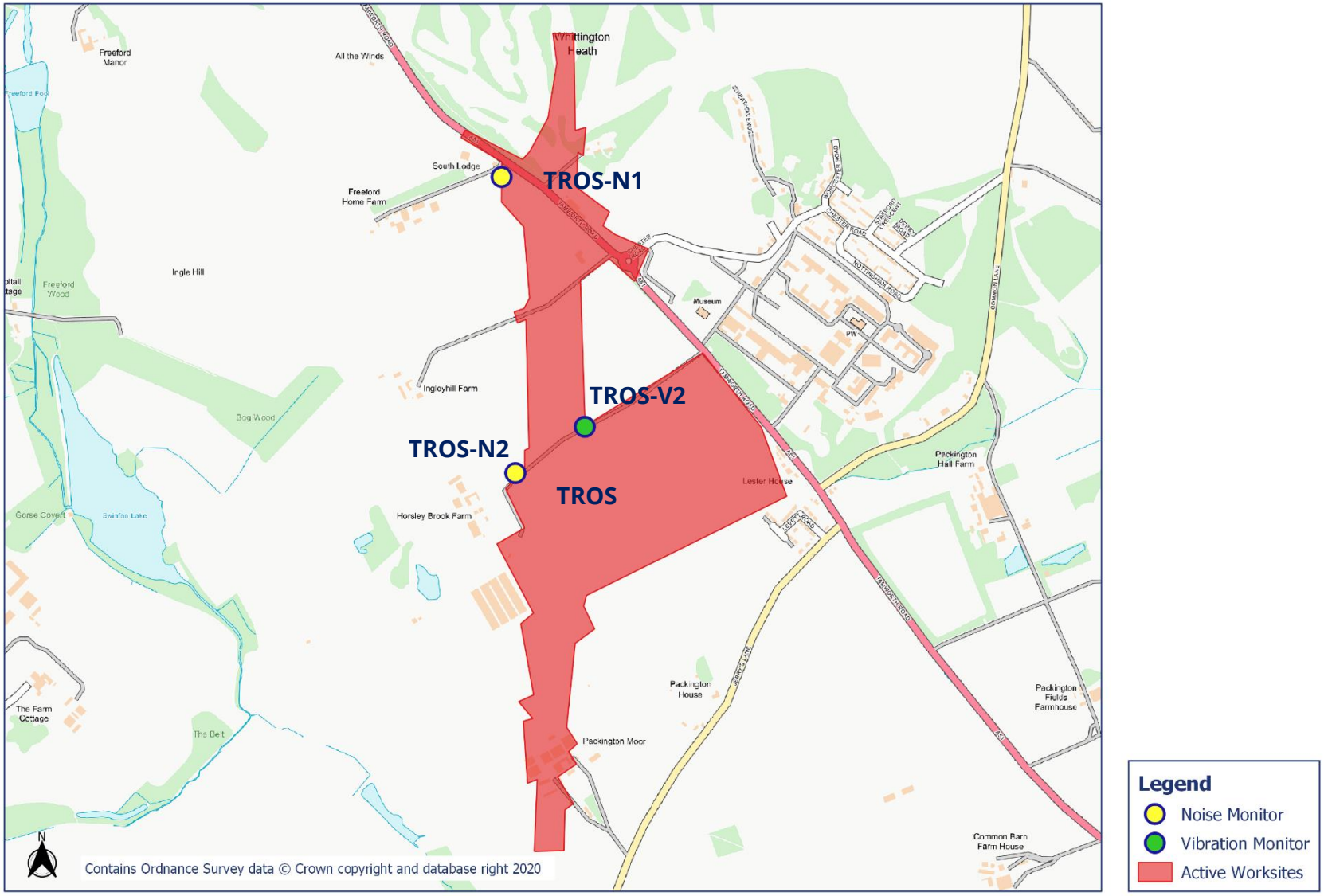
Noise and Vibration Monitoring Plan - 3



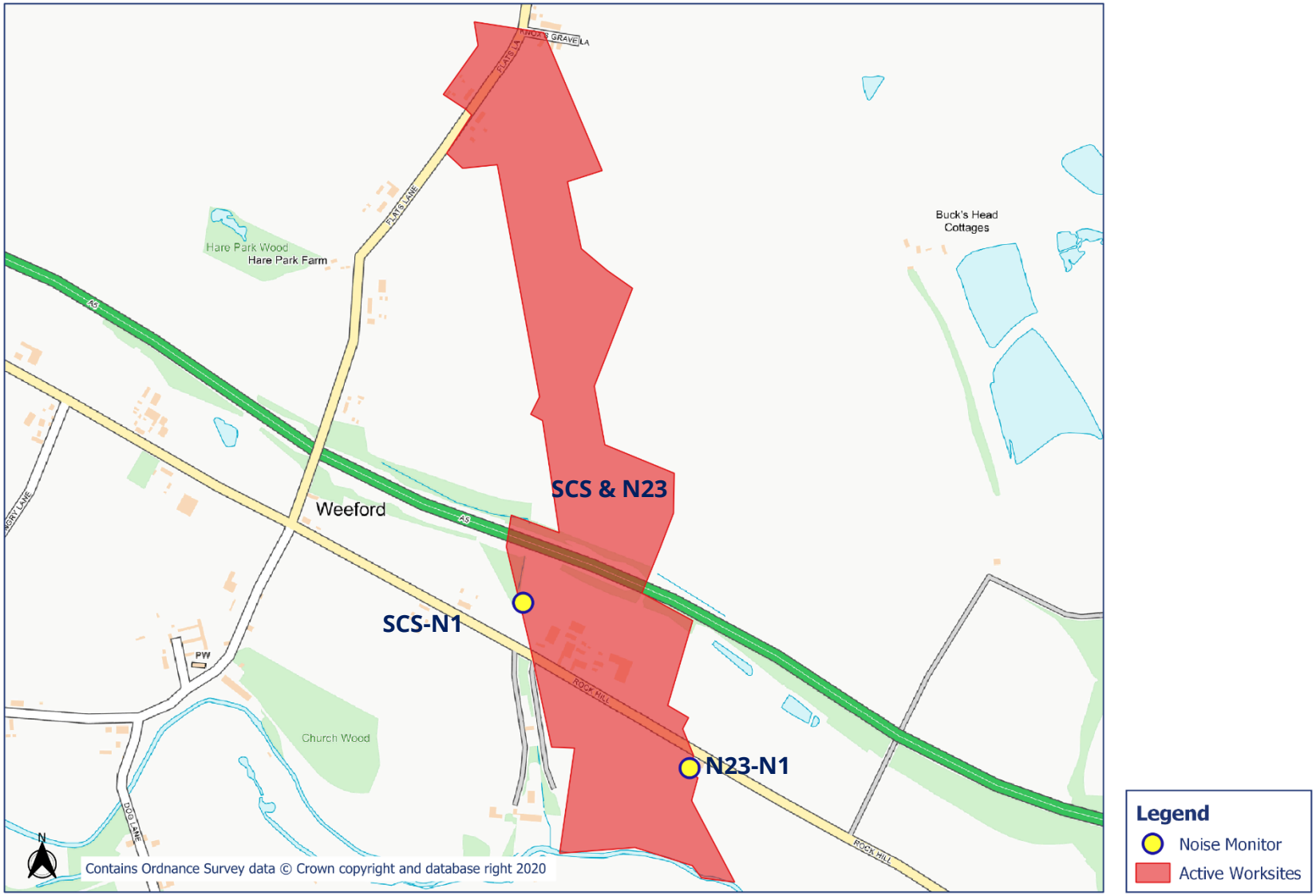
Noise and Vibration Monitoring Plan - 4



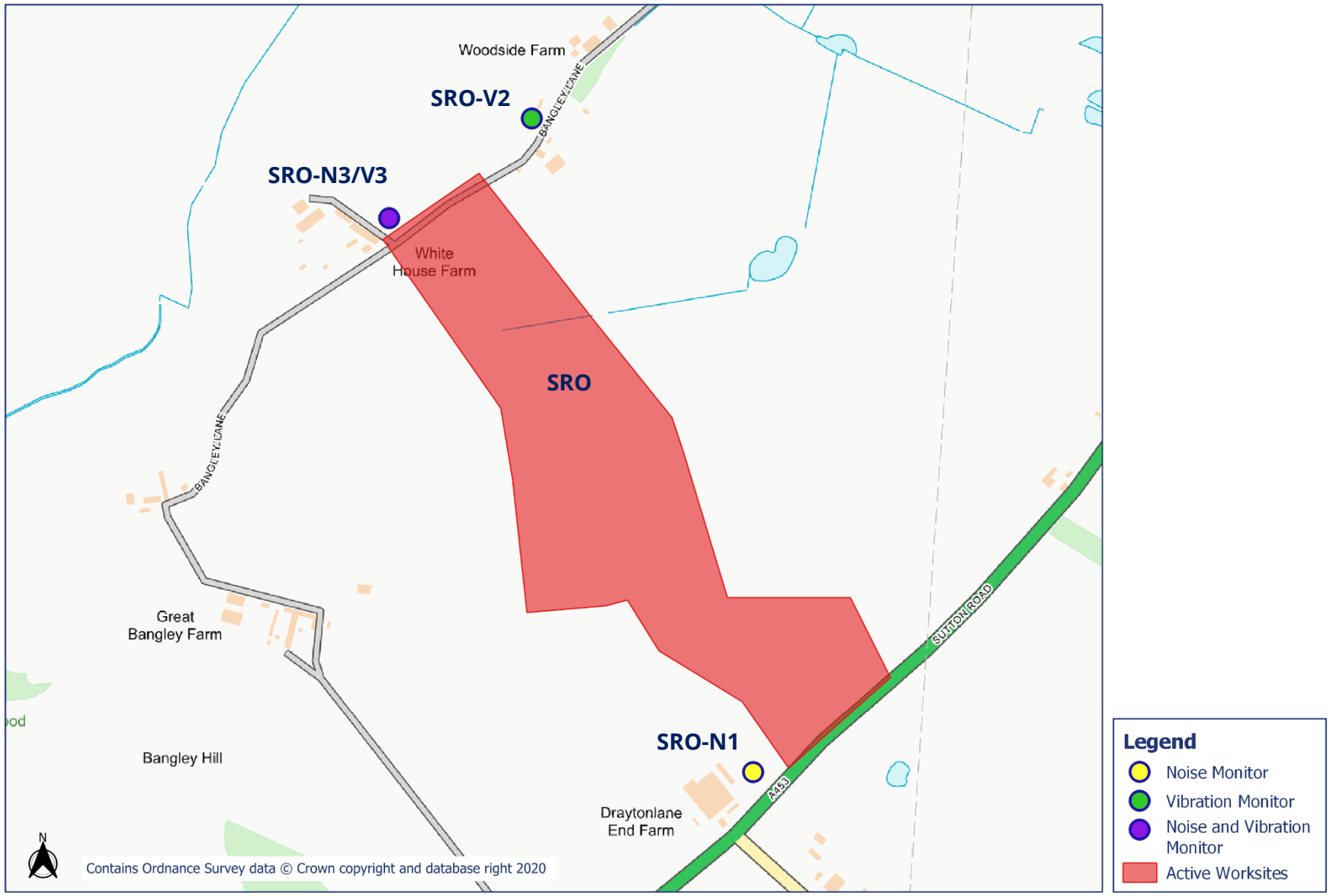
Noise and Vibration Monitoring Plan - 5



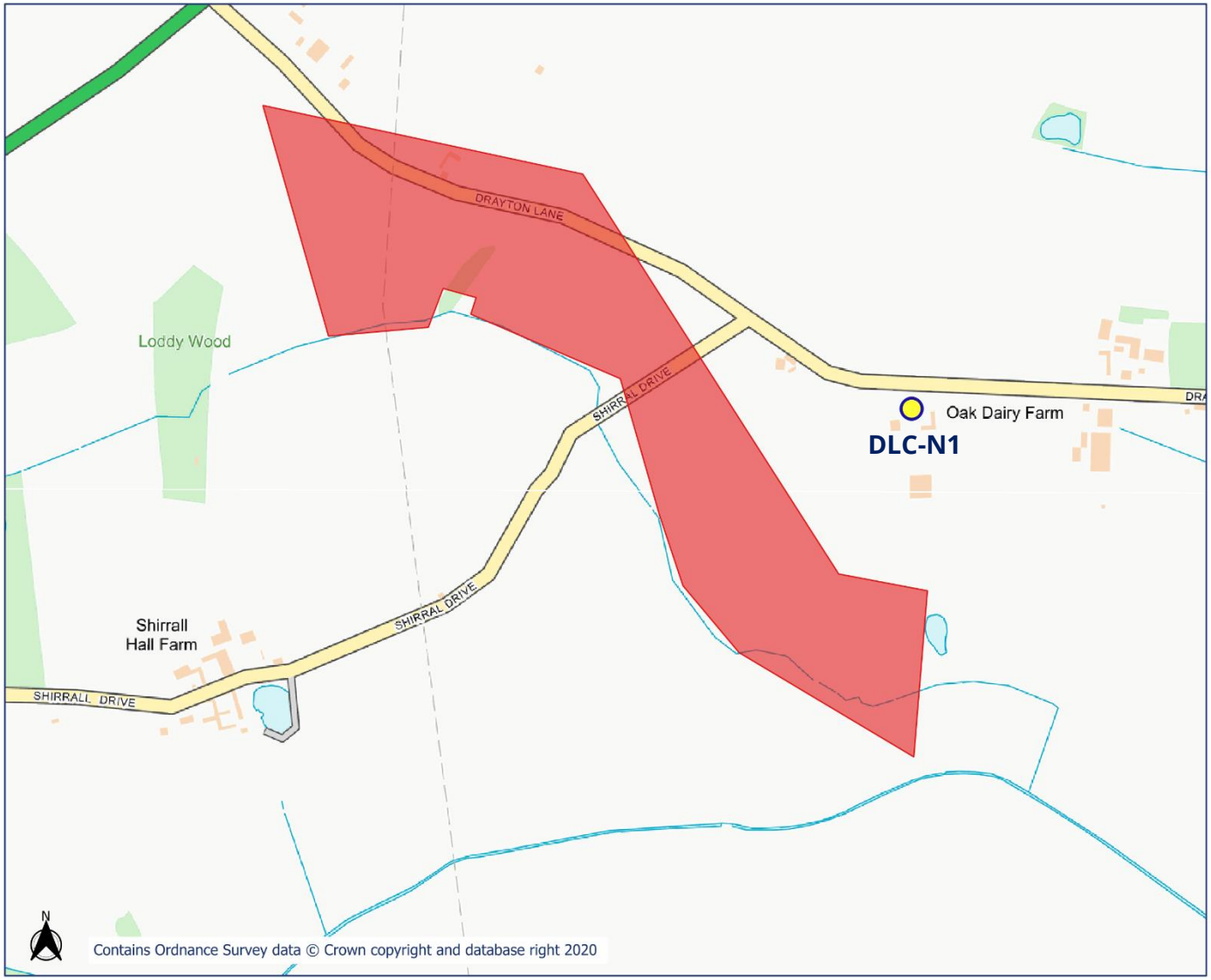
Noise and Vibration Monitoring Plan - 6



Noise and Vibration Monitoring Plan - 7



HS2 Noise and Vibration Monitoring Plan - 8

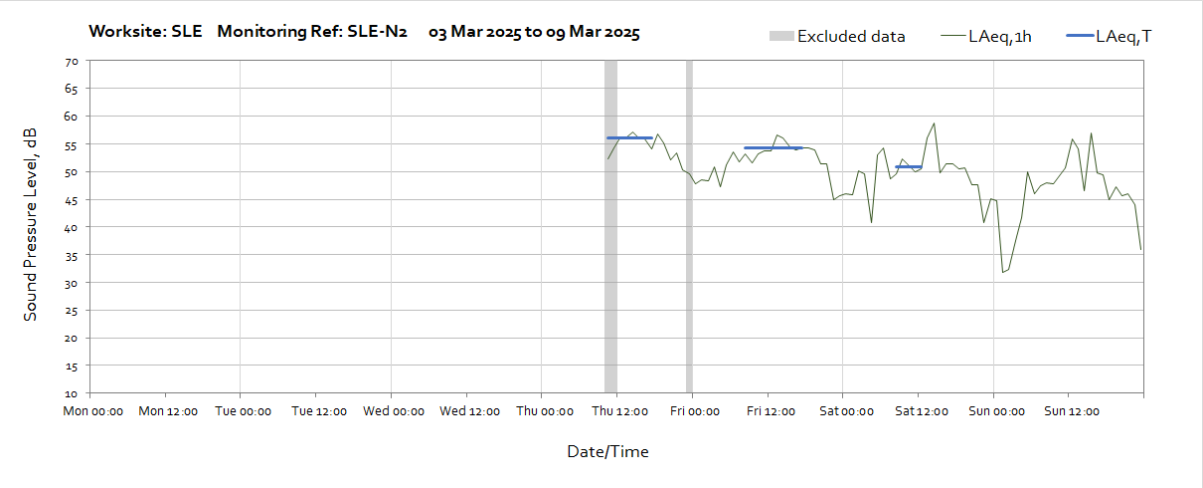


Appendix C Data

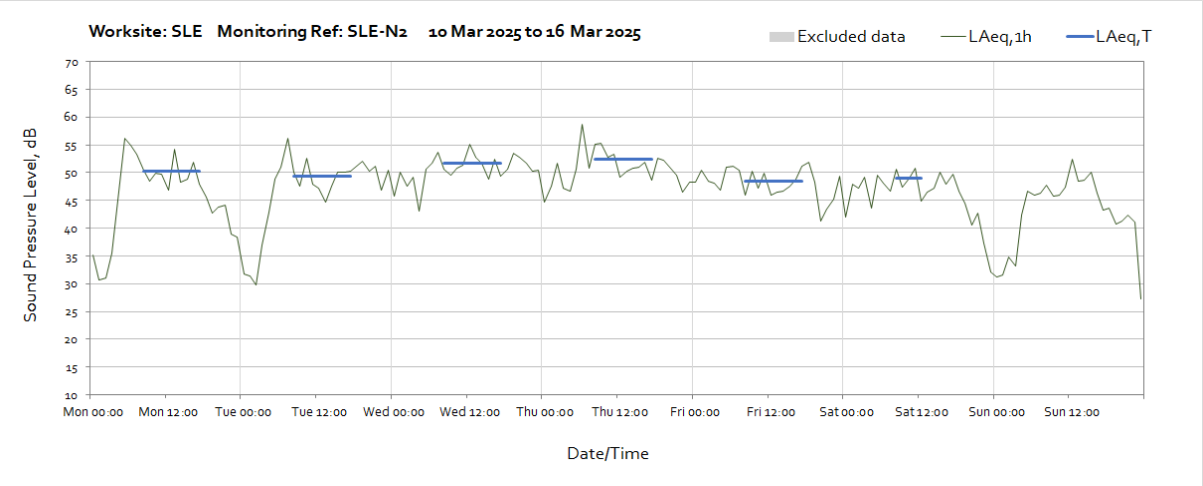
Noise

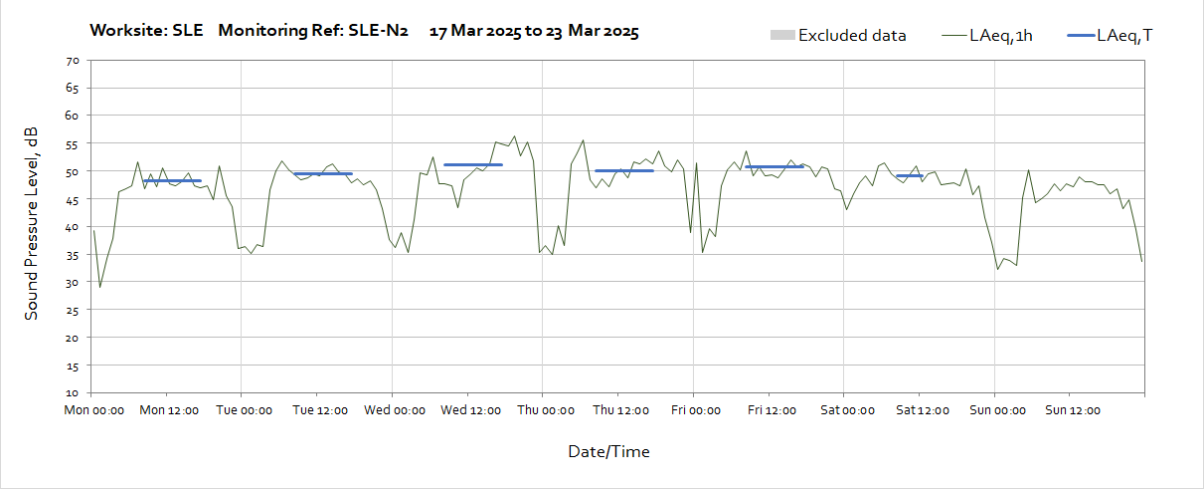
The following graphs show the hourly measured ambient noise level $L_{Aeq,1h}$ and, where relevant, the averaged noise level $L_{Aeq,T}$ values, where the time period T is as specified in Table 1 of HS2 Information Paper E23. Periods where noise levels are adversely affected by weather or only measured for part of the period, which are not representative of HS2 construction works, have been greyed out and excluded from the calculation of the $L_{Aeq,T}$ values in Table 3 of the main report.

Worksite:SLE – Monitoring Ref: SLE-N2



Note: Missing data between the start of the month and 09:00 on Thursday 6th March was due to intermittent issues with the monitoring station.




Worksite: SLE Monitoring Ref: SLE-N2 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
65
60
55
50
45
40
35
30
25
20
15
10
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
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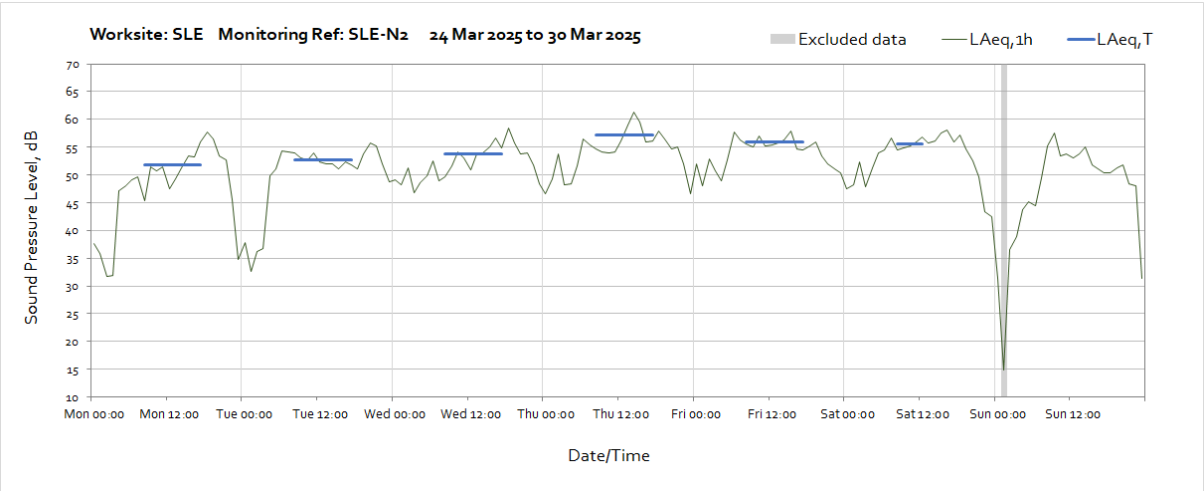
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time


Worksite: SLE Monitoring Ref: SLE-N2 24 Mar 2025 to 30 Mar 2025
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LAeq,T
Sound Pressure Level, dB
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65
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15
10
Mon 00:00
Mon 12:00
Tue 00:00
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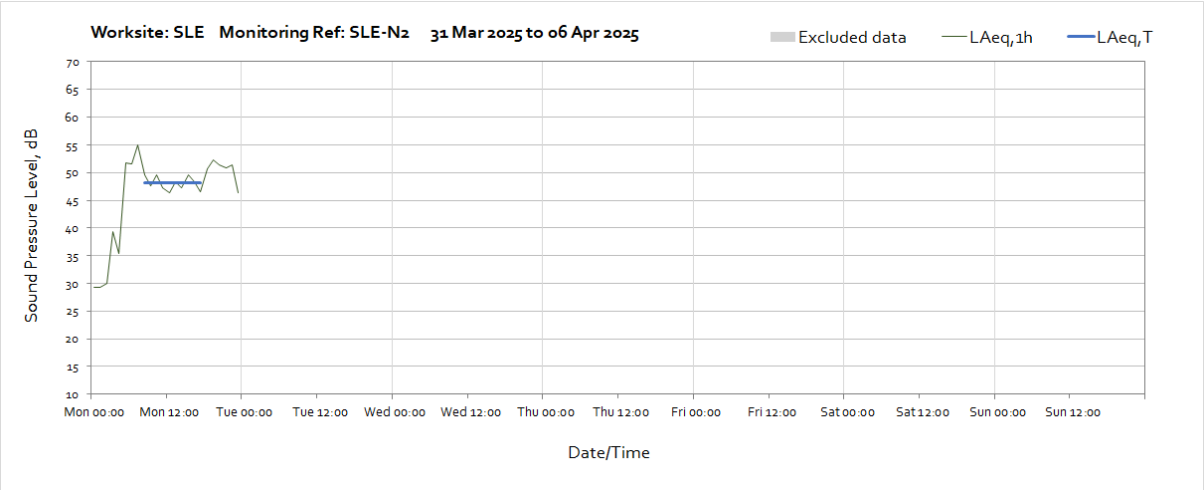
Sun 12:00
Date/Time


Worksite: SLE Monitoring Ref: SLE-N2 31 Mar 2025 to 06 Apr 2025
Excluded data
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LAeq,T
Sound Pressure Level, dB
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65
60
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25
20
15
10
Mon 00:00
Mon 12:00
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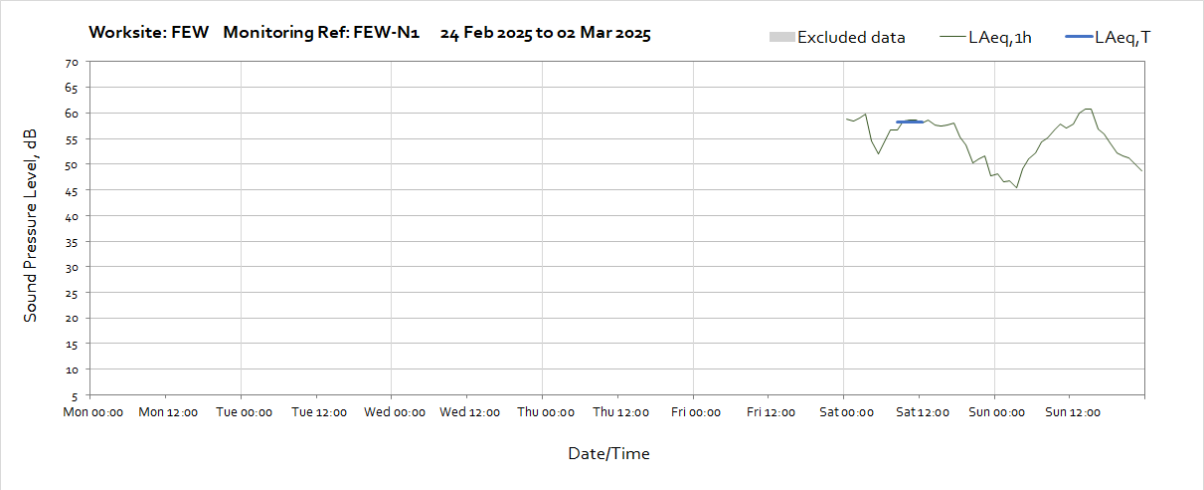
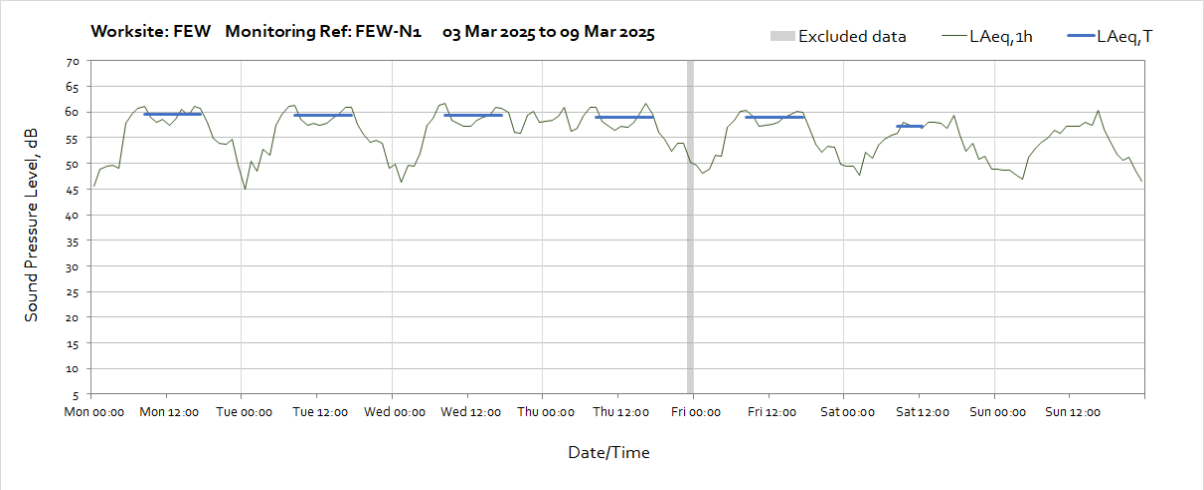
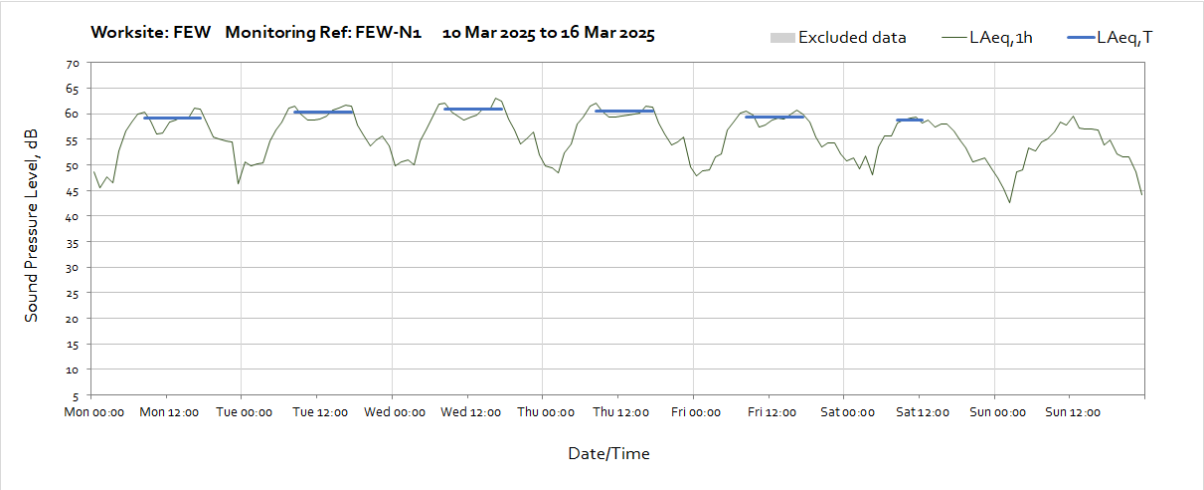
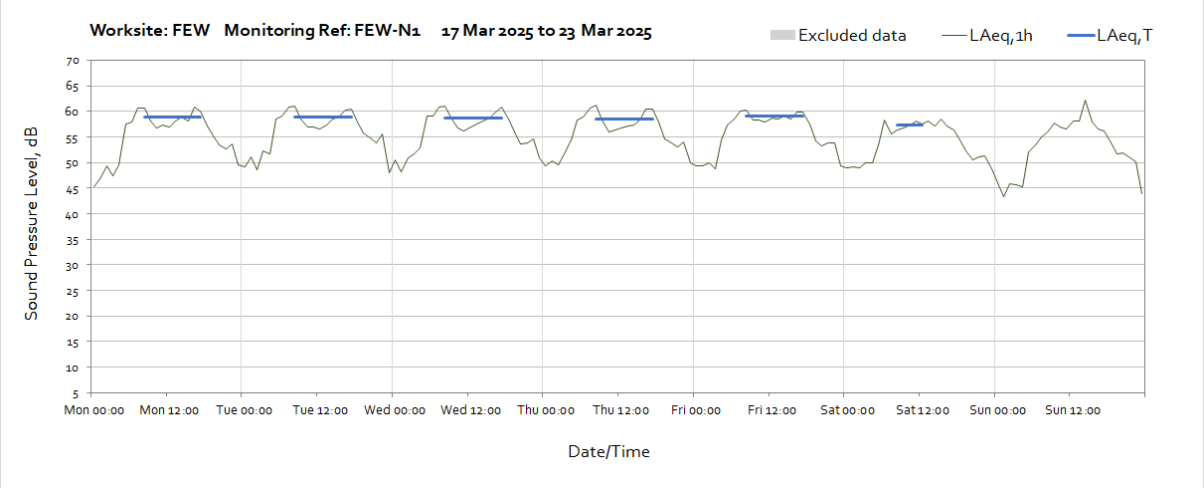
Sun 12:00
Date/Time

Worksite: FEW – Monitoring Ref: FEW-N1





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Excluded data
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LAeq,T
Sound Pressure Level, dB
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65
60
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Tue 12:00
Wed 00:00
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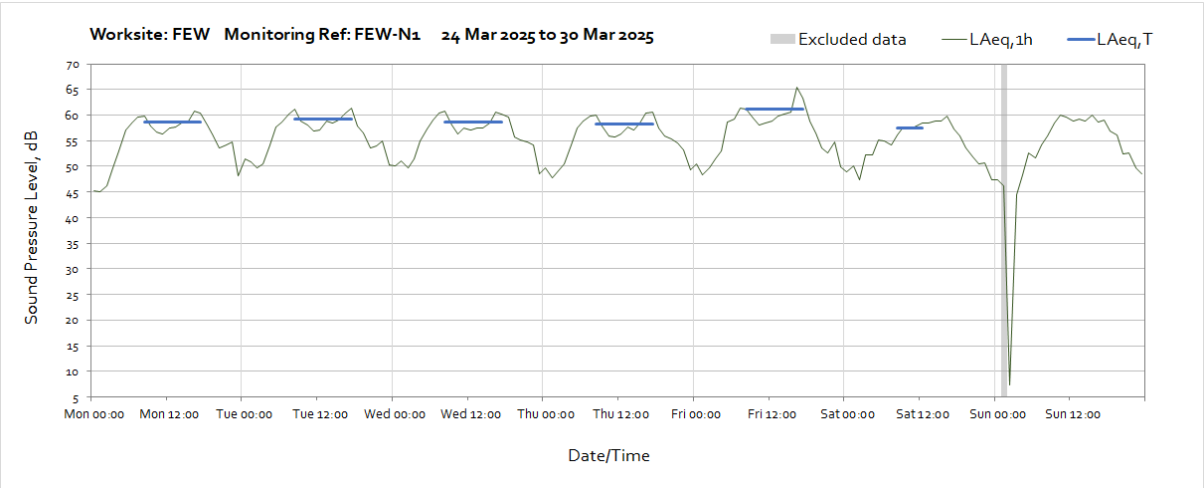
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time


Worksite: FEW Monitoring Ref: FEW-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
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LAeq,T
Sound Pressure Level, dB
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Fri 12:00
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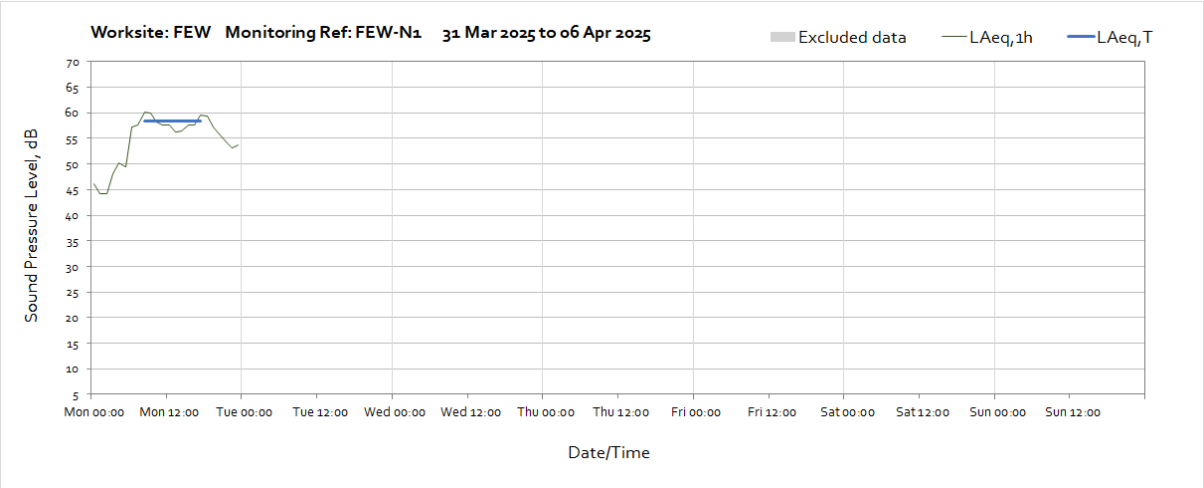
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time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Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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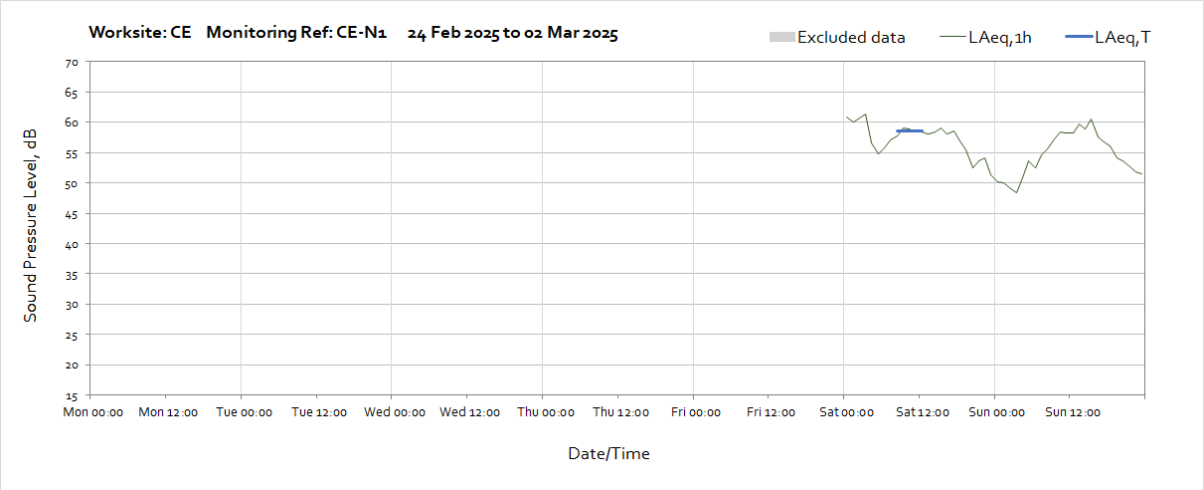
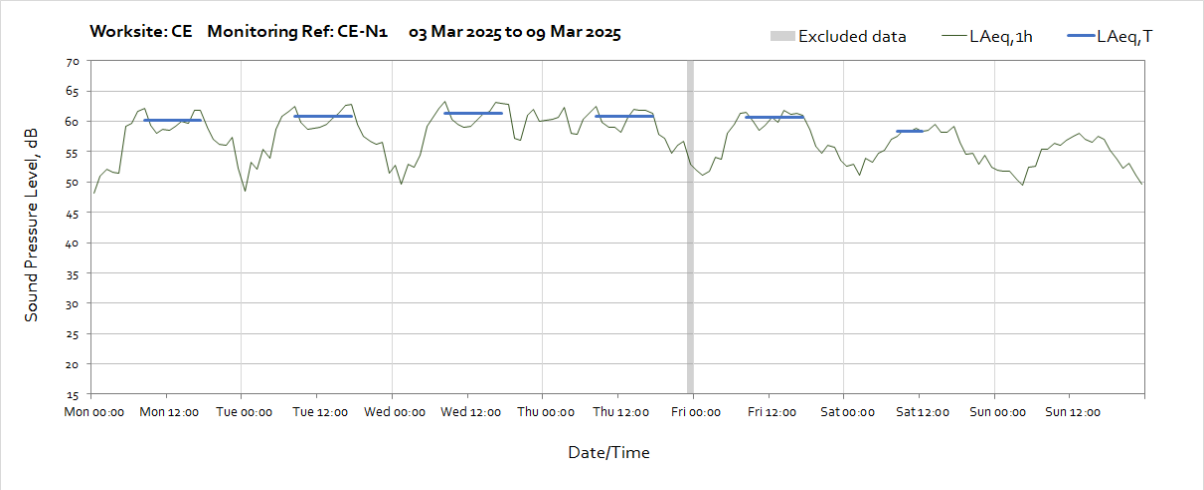
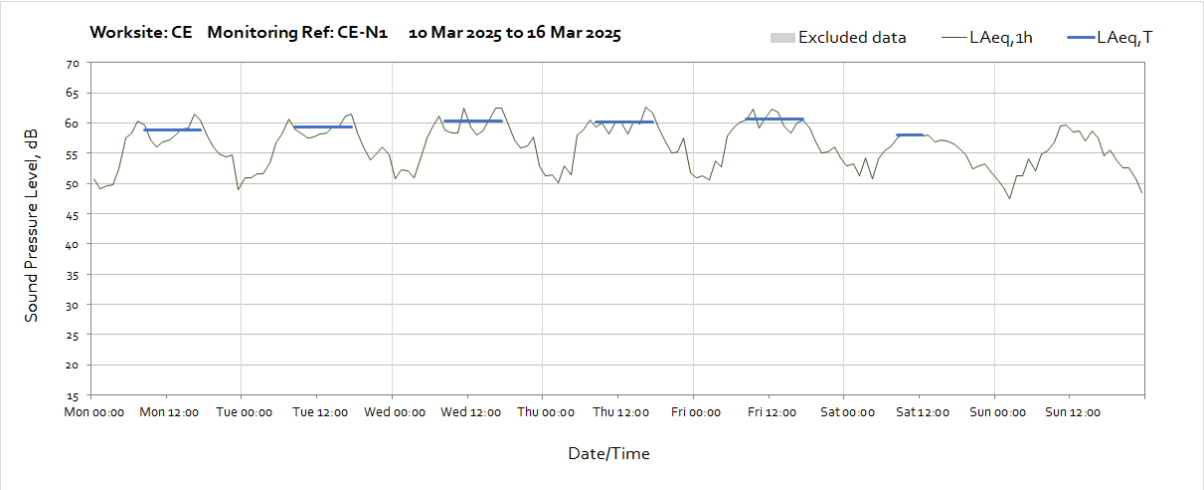
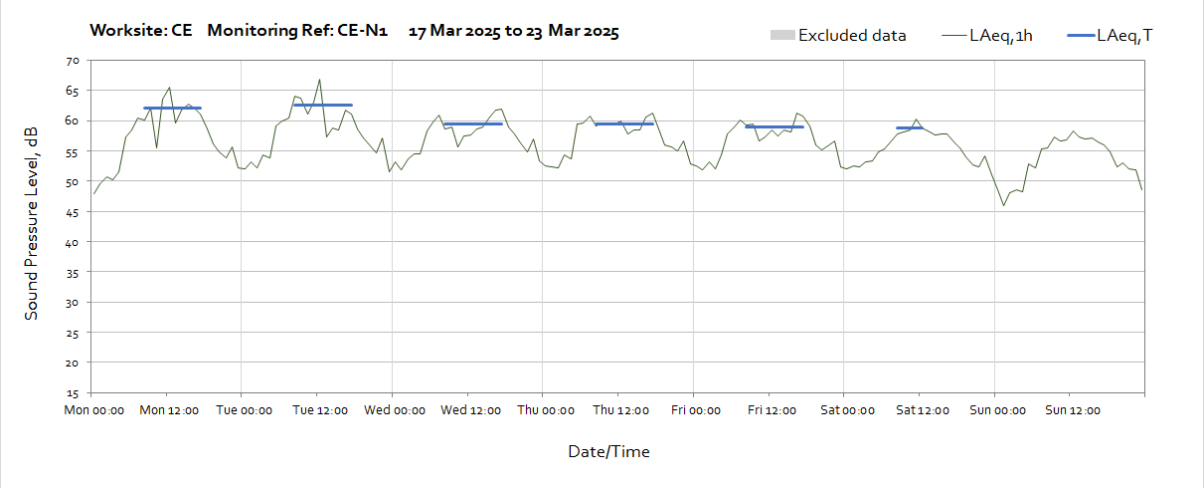
Sun 00:00
Sun 12:00
Date/Time

Worksite: CE – Monitoring Ref: CE-N1





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Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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65
60
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35
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25
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15
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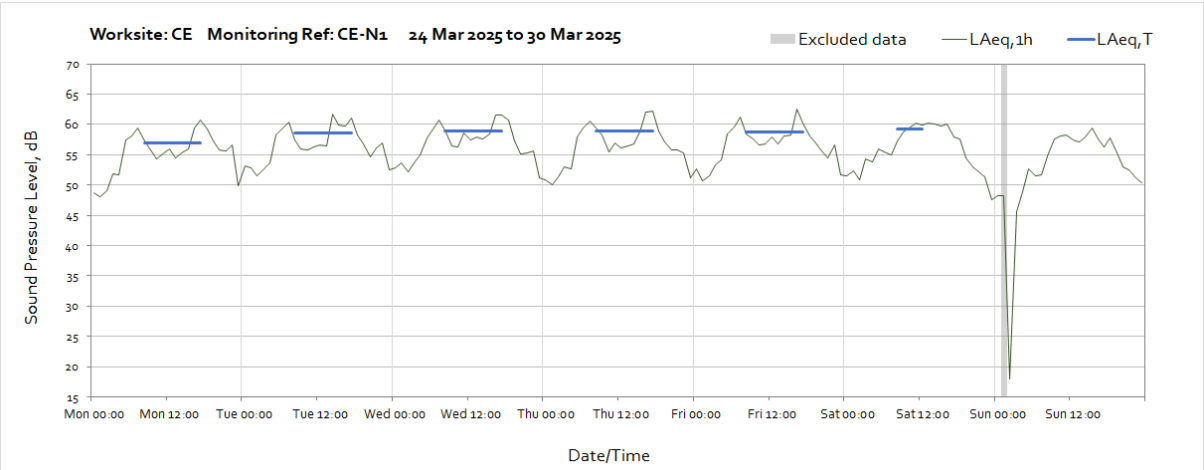
Date/Time


Worksite: CE Monitoring Ref: CE-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
65
60
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45
40
35
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25
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15
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Mon 12:00
Tue 00:00
Tue 12:00
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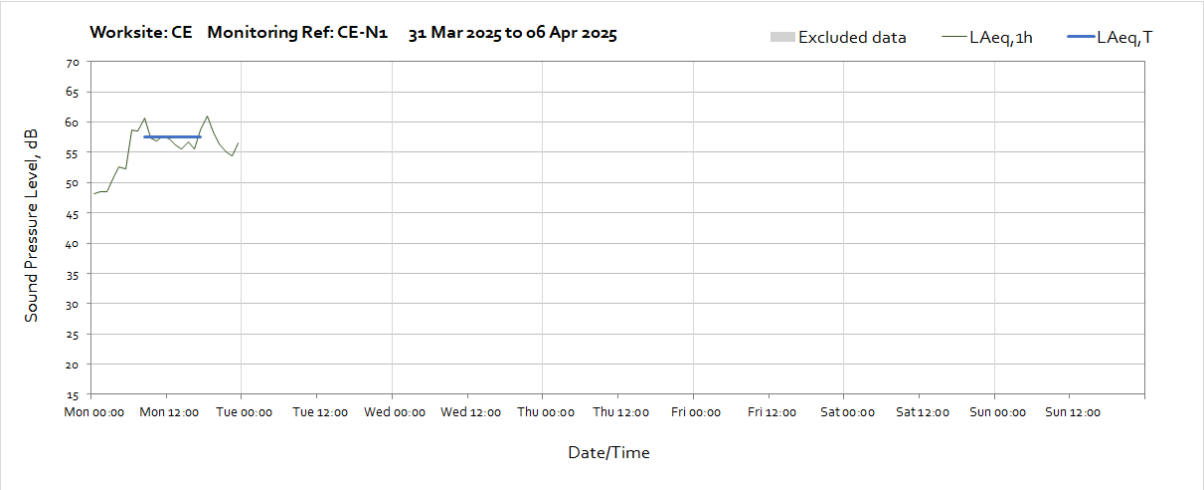
Sun 12:00
Date/Time


Worksite: CE Monitoring Ref: CE-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
65
60
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40
35
30
25
20
15
Mon 00:00
Mon 12:00
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Tue 12:00
Wed 00:00
Wed 12:00
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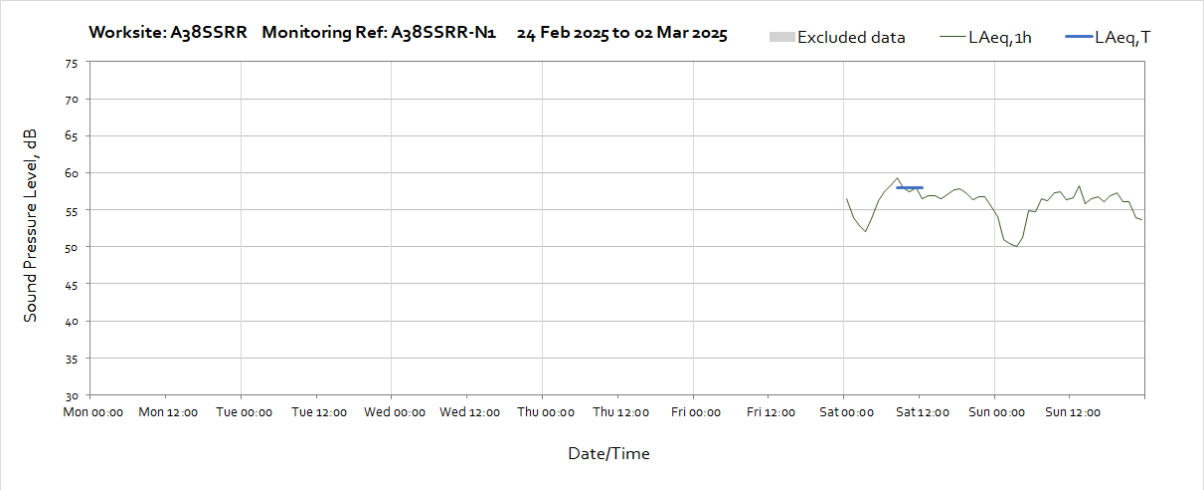
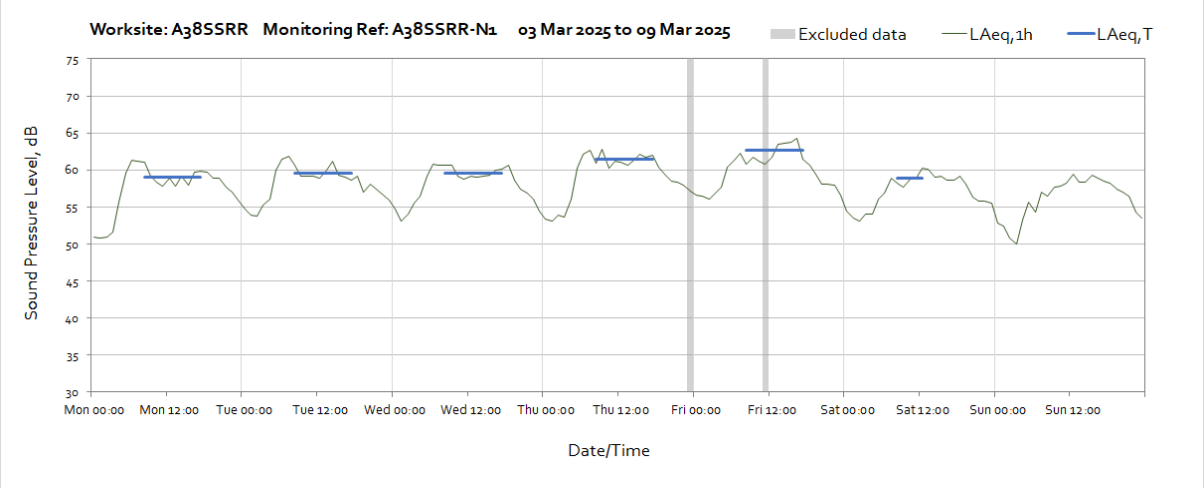
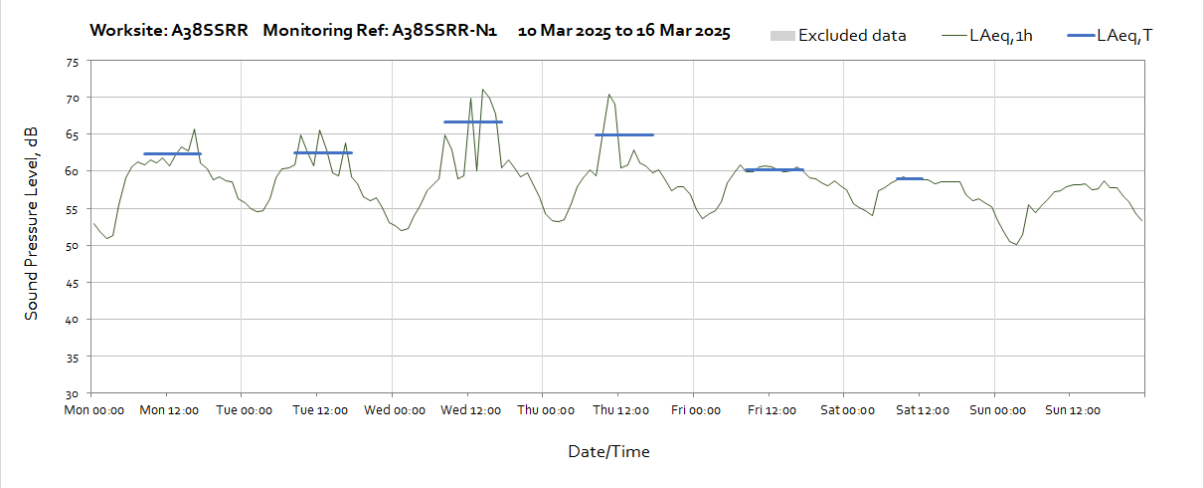
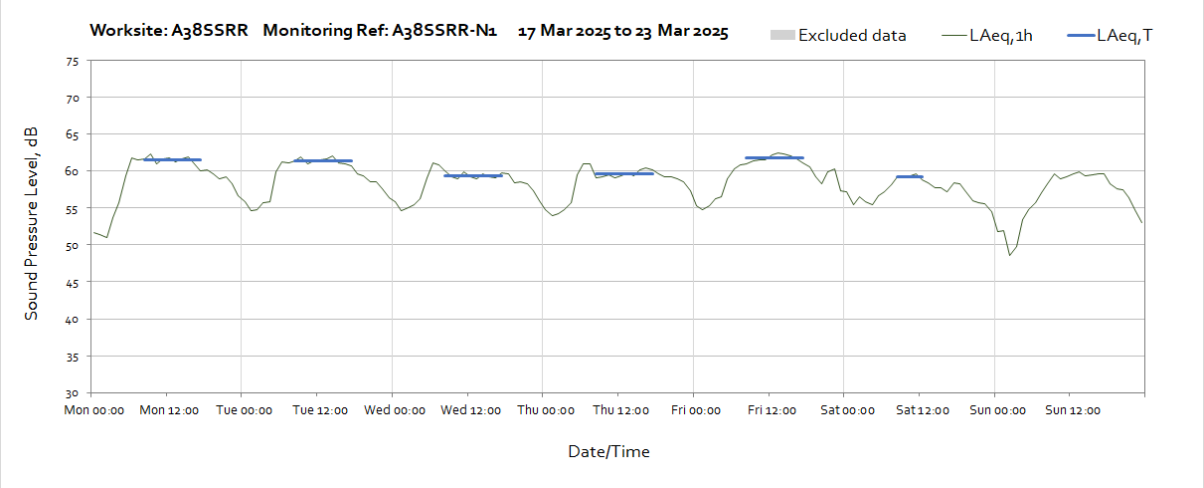
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

Worksite: A38SSRR – Monitoring Ref: A38SSRR-N1








Worksite: A38SSRR Monitoring Ref: A38SSRR-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
75
70
65
60
55
50
45
40
35
30
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
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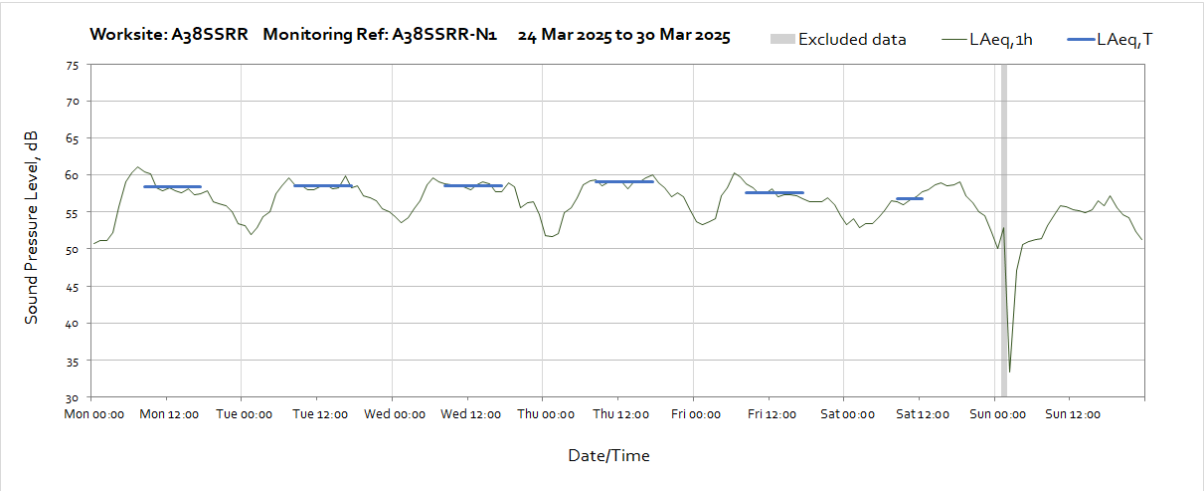
Date/Time


Worksite: A38SSRR Monitoring Ref: A38SSRR-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
75
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Tue 12:00
Wed 00:00
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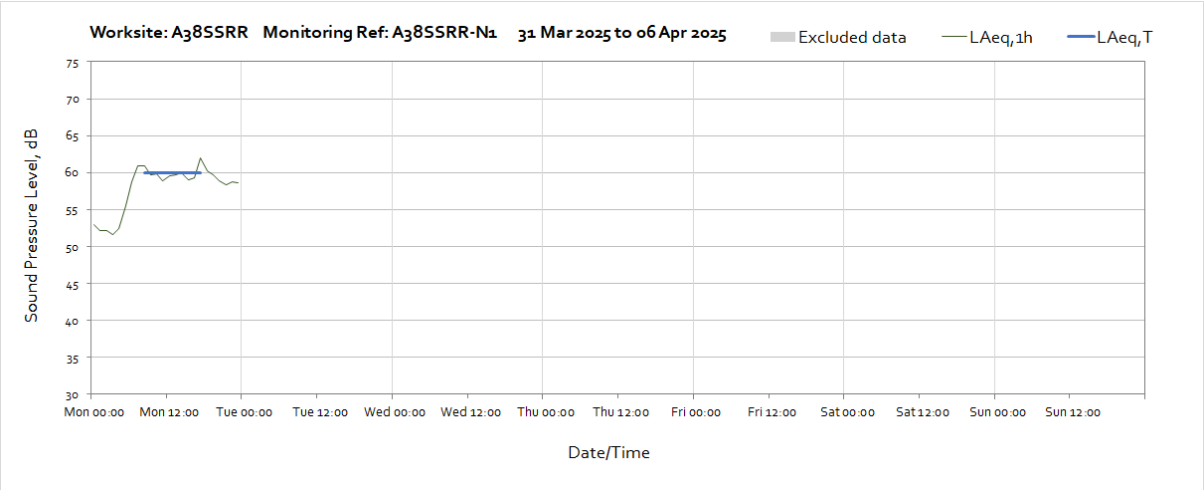
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time


Worksite: A38SSRR Monitoring Ref: A38SSRR-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
75
70
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60
55
50
45
40
35
30
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Tue 12:00
Wed 00:00
Wed 12:00
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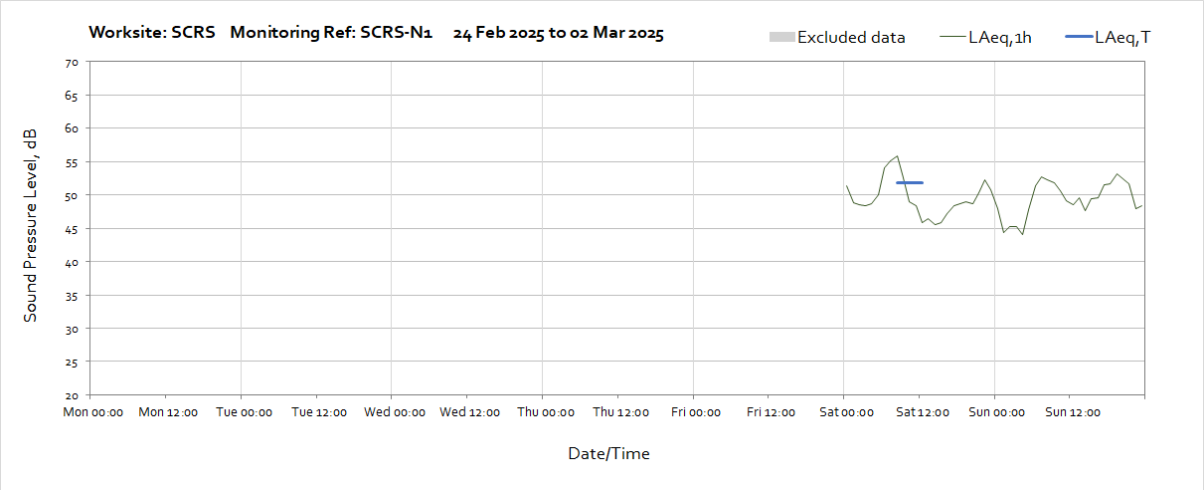
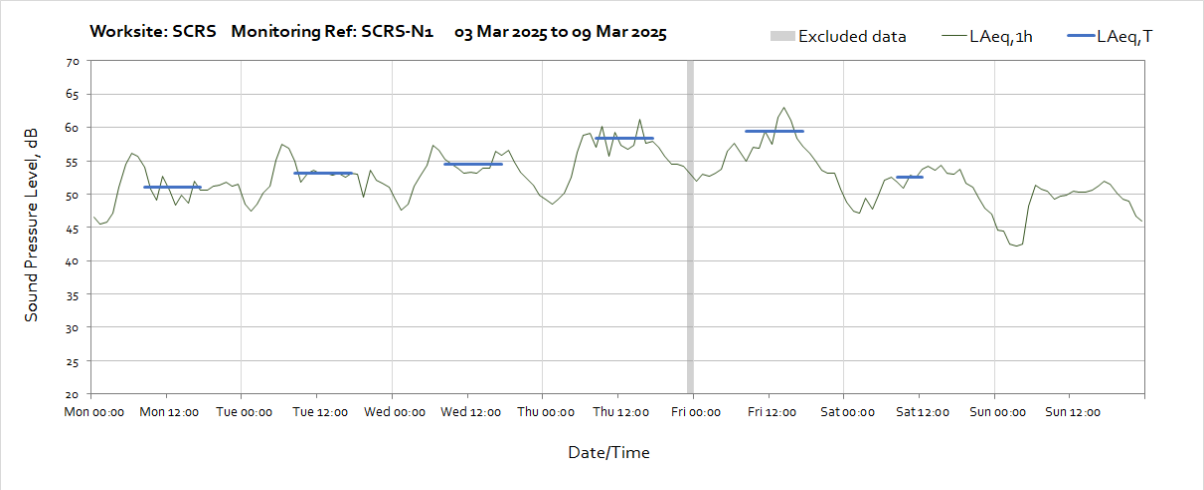
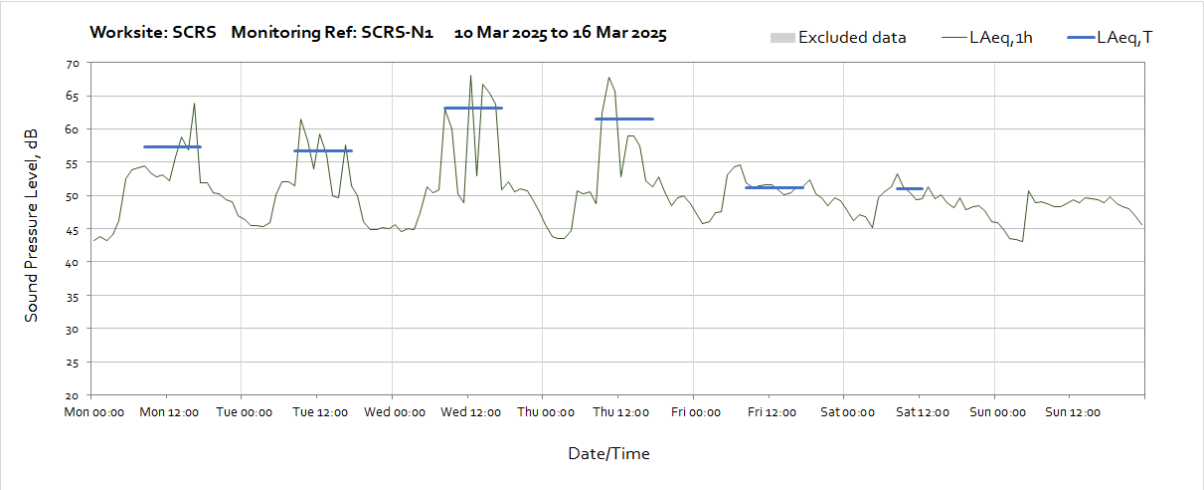
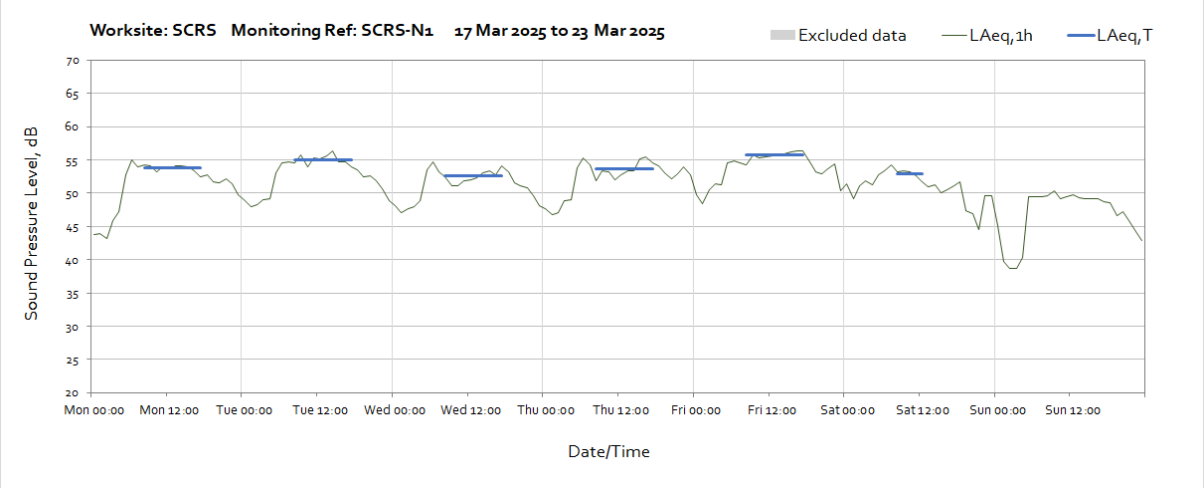
Sun 00:00
Sun 12:00
Date/Time

Worksite: SCRS – Monitoring Ref: SCRS-N1








Worksite: SCRS Monitoring Ref: SCRS-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
65
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20
Mon 00:00
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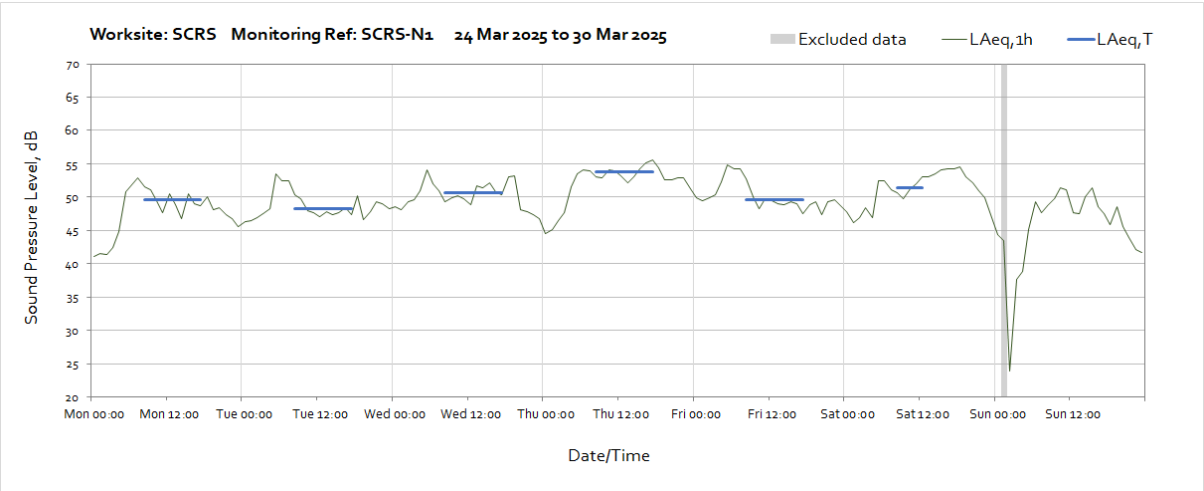
Date/Time


Worksite: SCRS Monitoring Ref: SCRS-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
65
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40
35
30
25
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Mon 00:00
Mon 12:00
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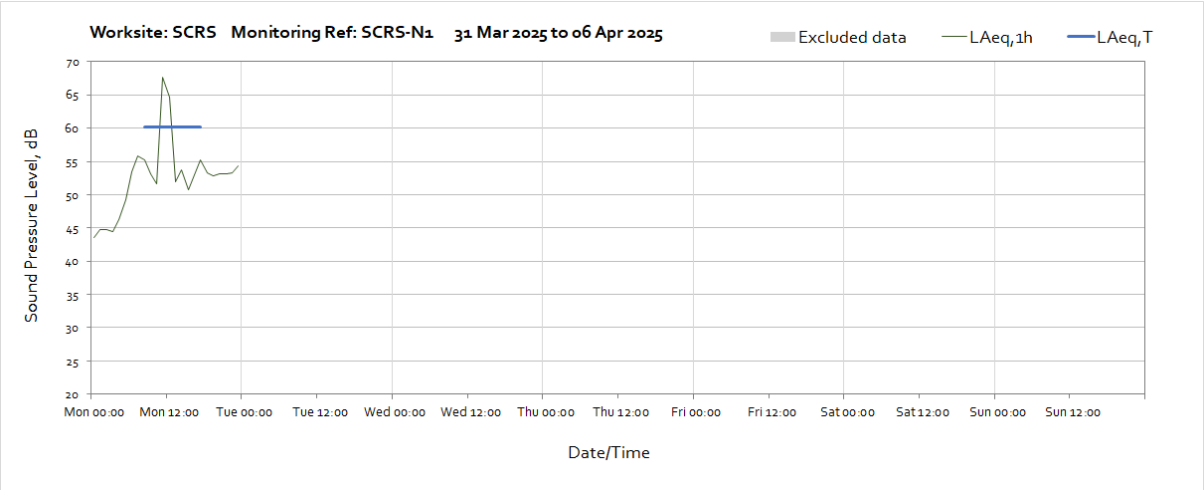
Date/Time


Worksite: SCRS Monitoring Ref: SCRS-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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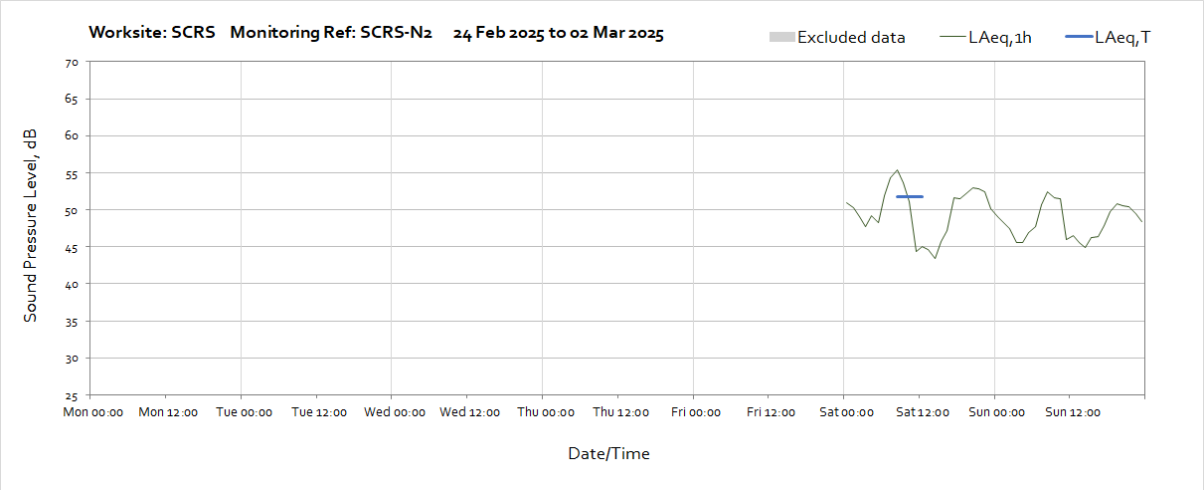
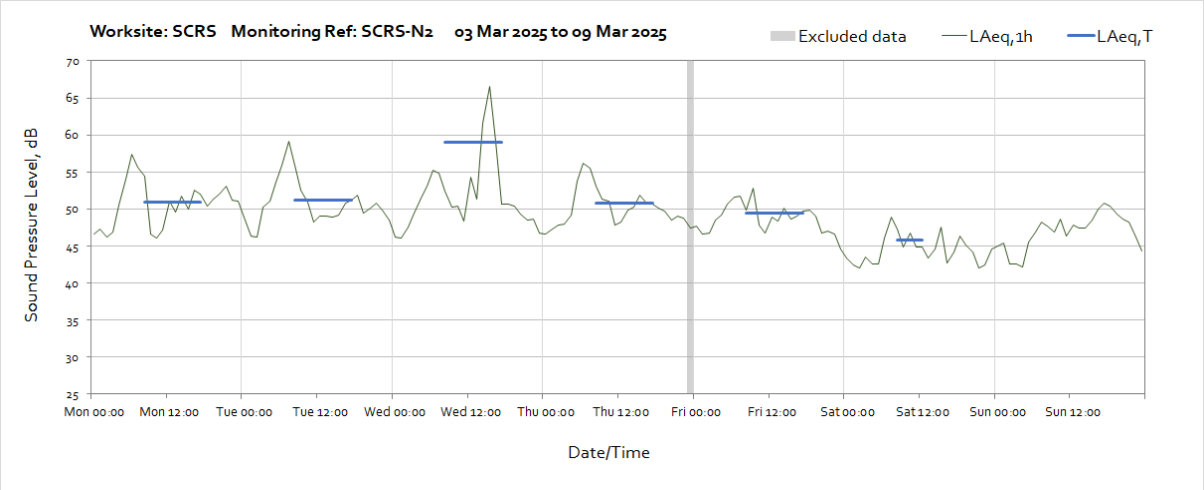
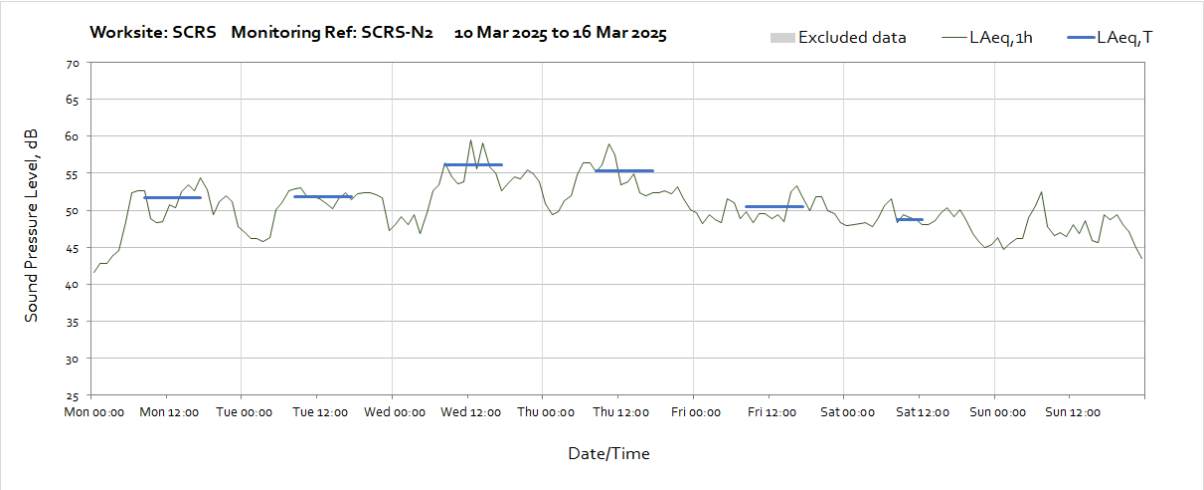
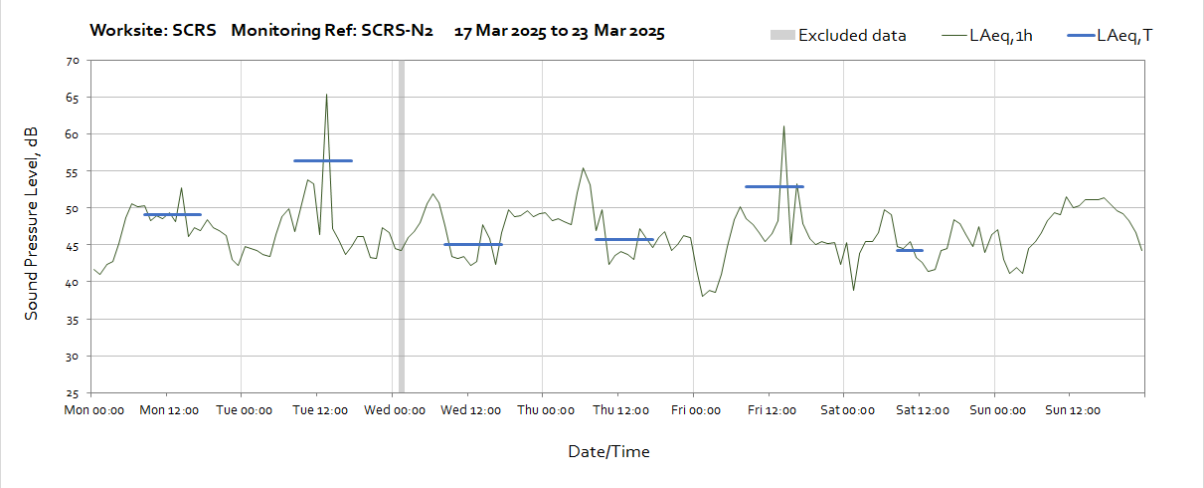
Date/Time

Worksite: SCRS – Monitoring Ref: SCRS-N2








Worksite: SCRS Monitoring Ref: SCRS-N2 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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50
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35
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25
Mon 00:00
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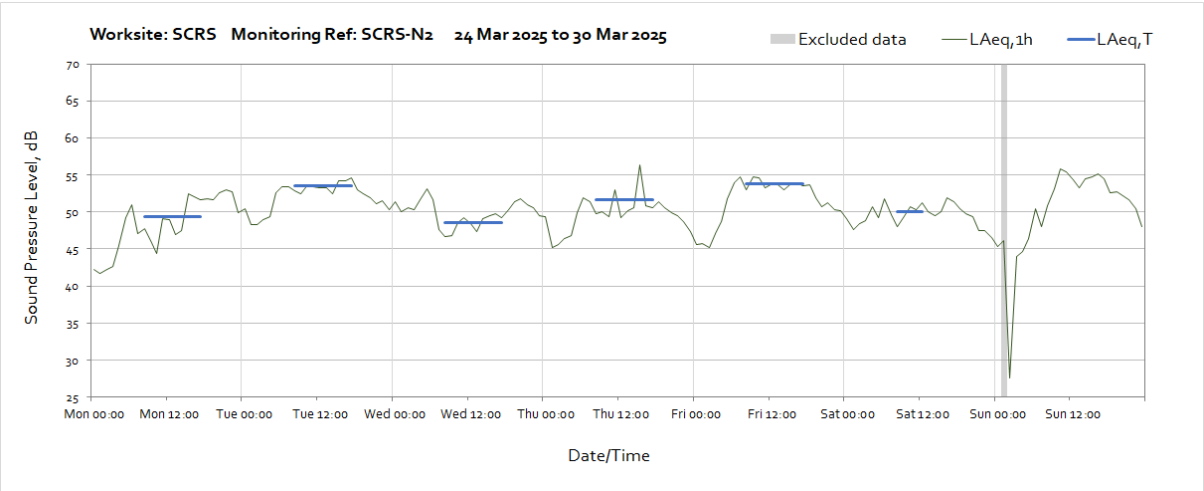
Date/Time


Worksite: SCRS Monitoring Ref: SCRS-N2 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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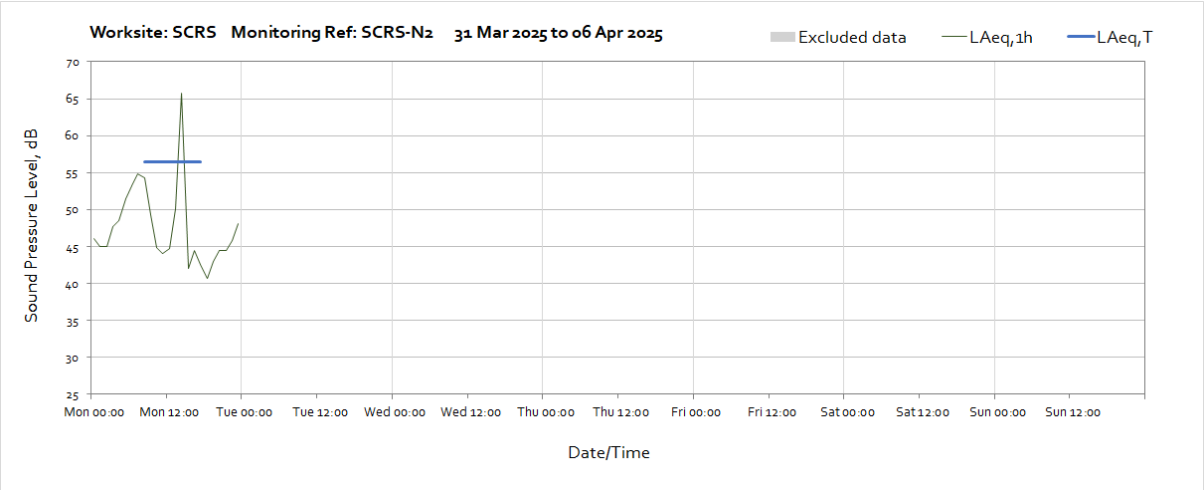
Date/Time


Worksite: SCRS Monitoring Ref: SCRS-N2 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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60
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Mon 00:00
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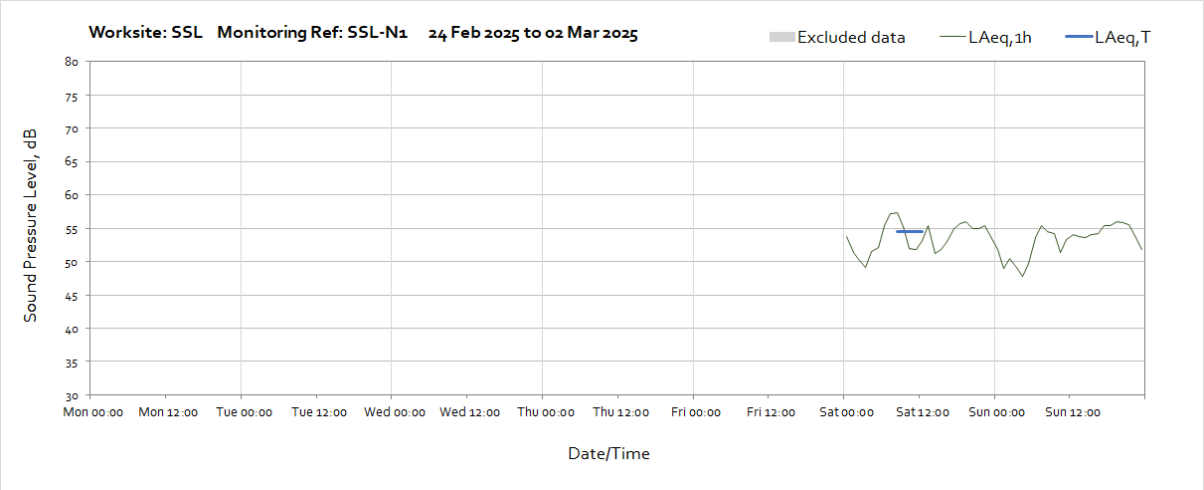
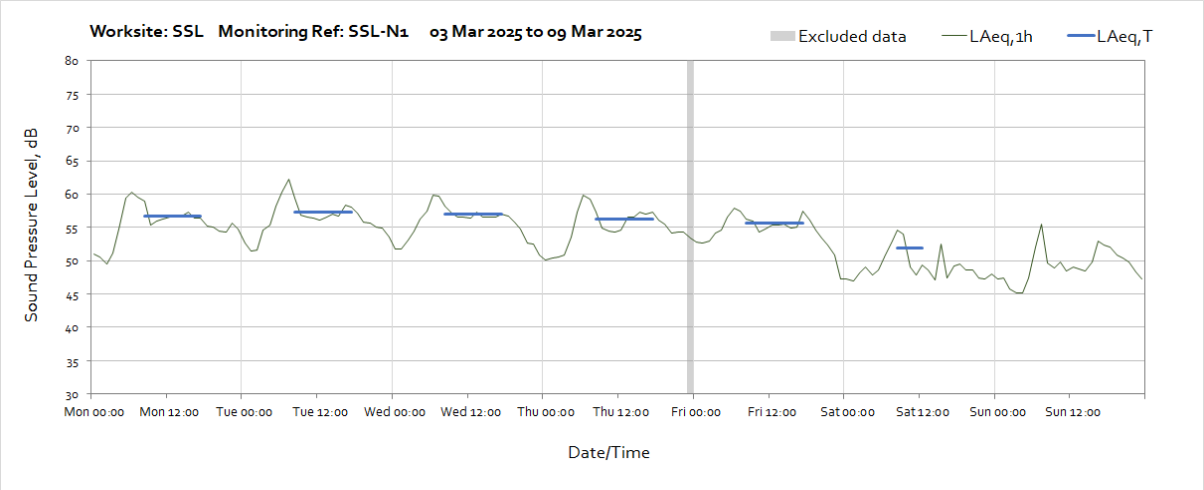
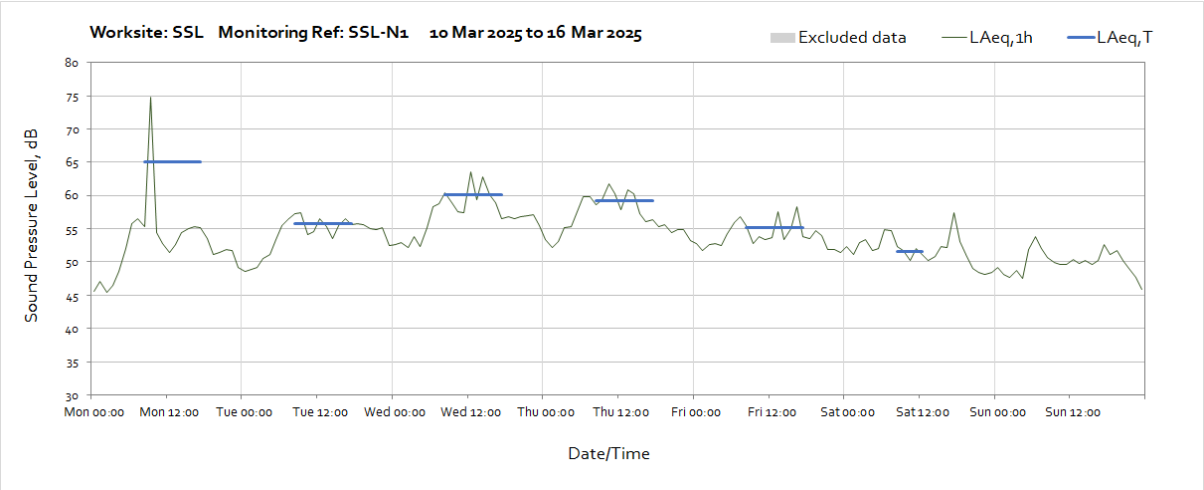
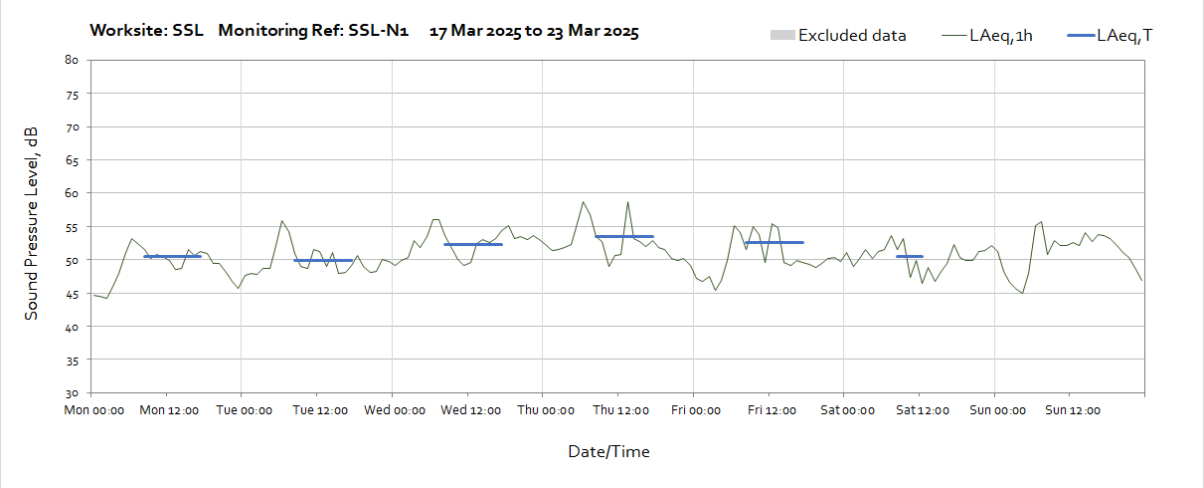
Date/Time

Worksite: SSL – Monitoring Ref: SSL-N1








Worksite: SSL Monitoring Ref: SSL-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
80
75
70
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Mon 00:00
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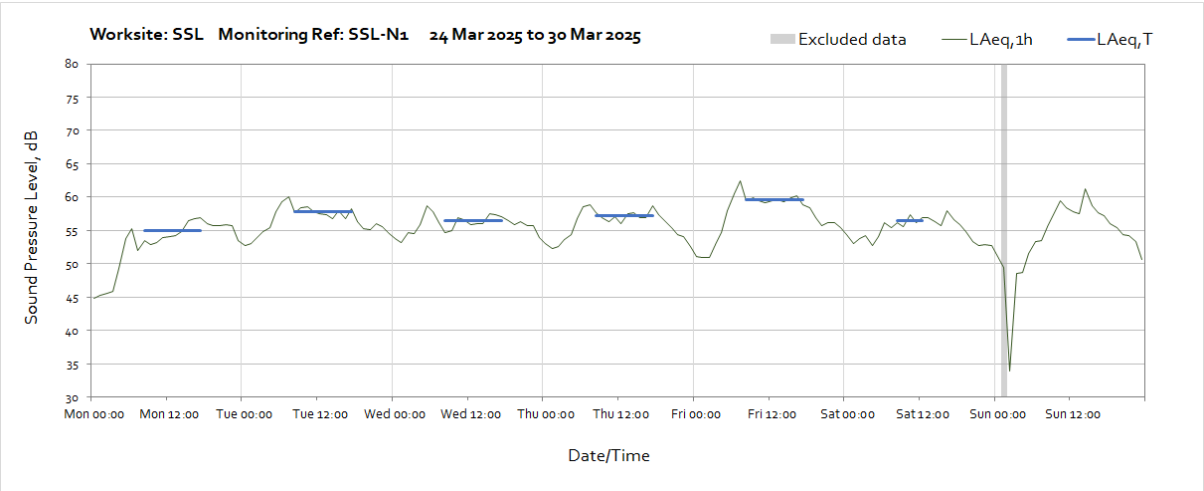
Date/Time


Worksite: SSL Monitoring Ref: SSL-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
80
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65
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45
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35
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Mon 00:00
Mon 12:00
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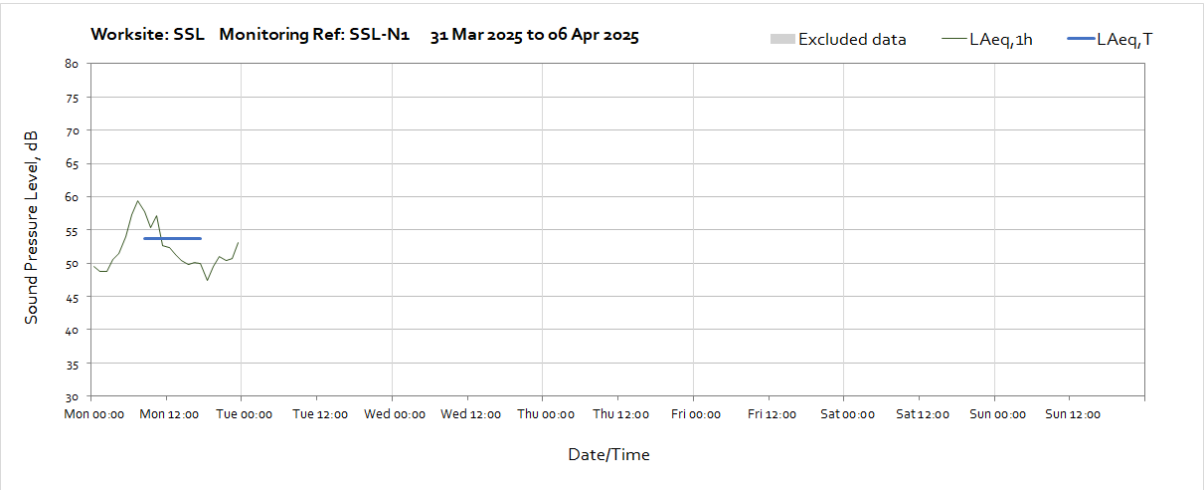
Date/Time


Worksite: SSL Monitoring Ref: SSL-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
80
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Mon 00:00
Mon 12:00
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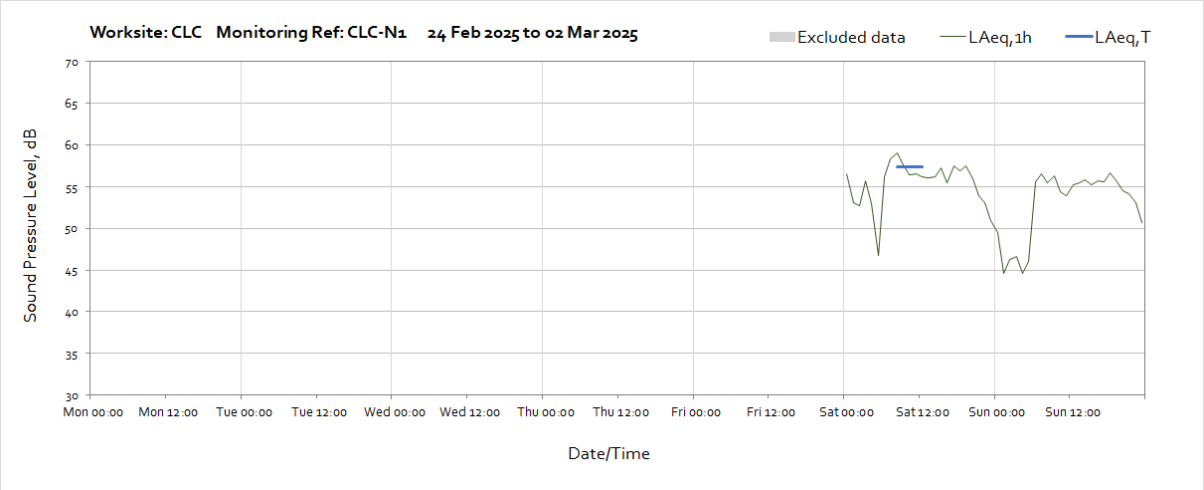
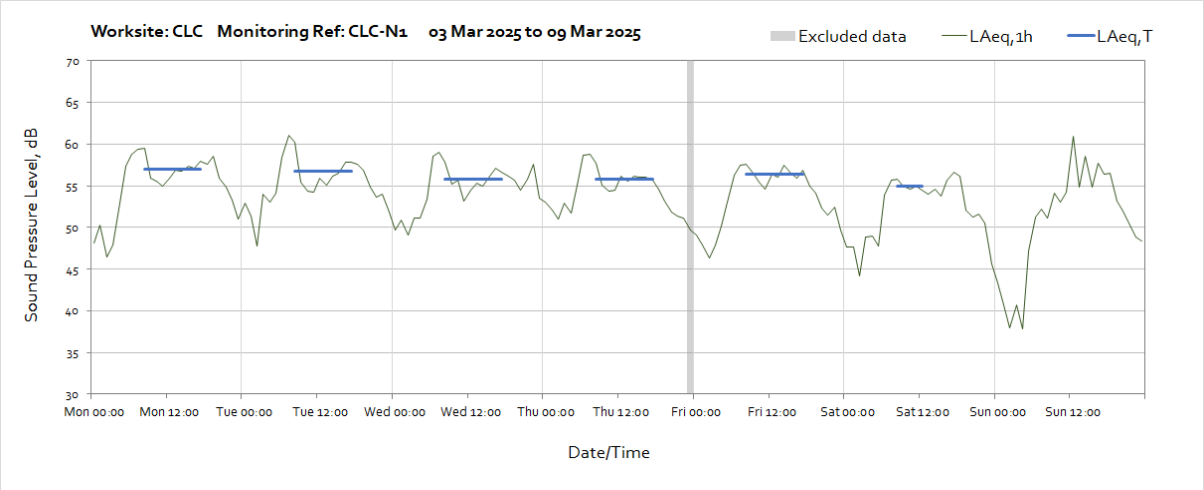
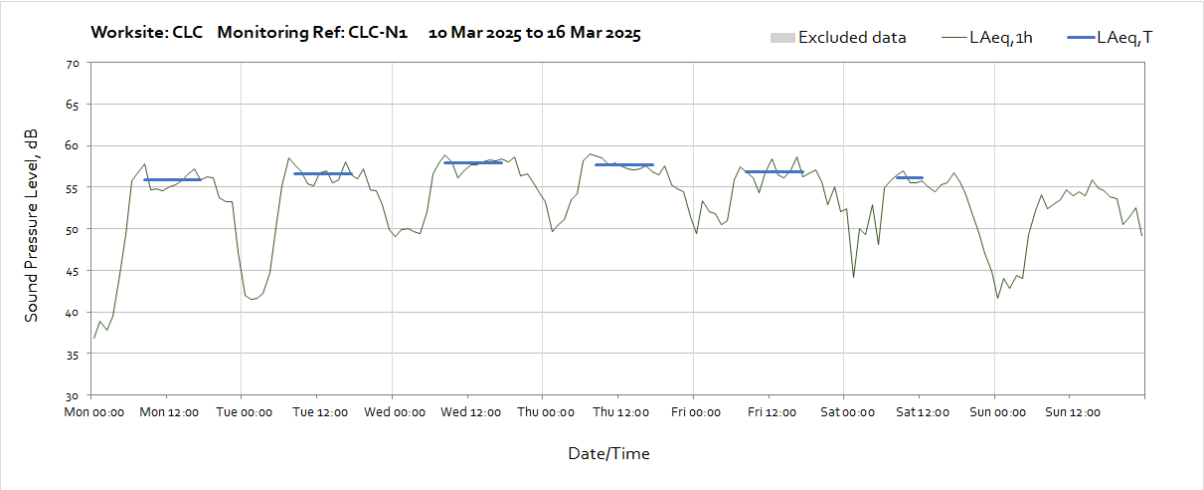
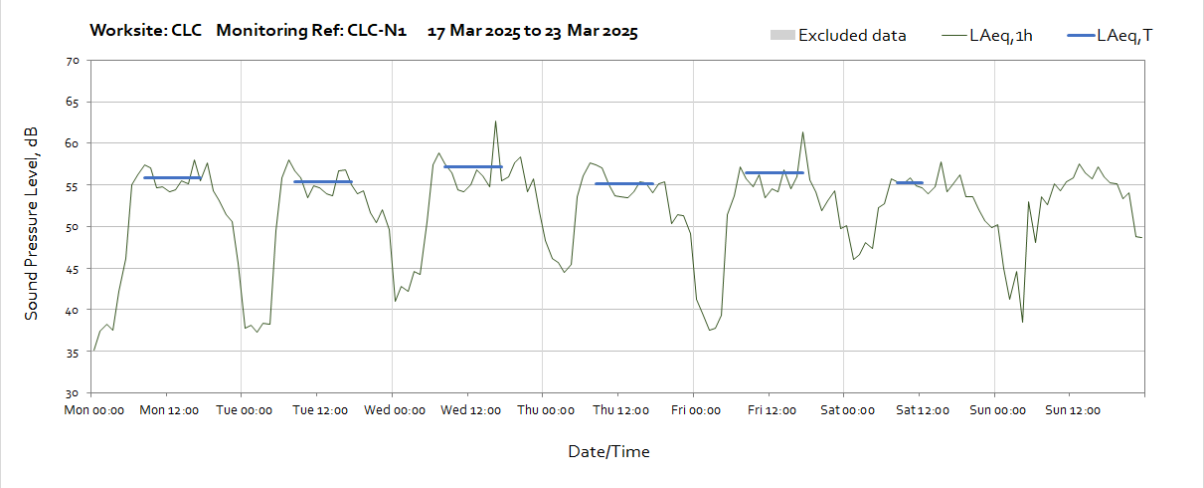
Date/Time

Worksite: CLC – Monitoring Ref: CLC-N1








Worksite: CLC Monitoring Ref: CLC-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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50
45
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35
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Mon 00:00
Mon 12:00
Tue 00:00
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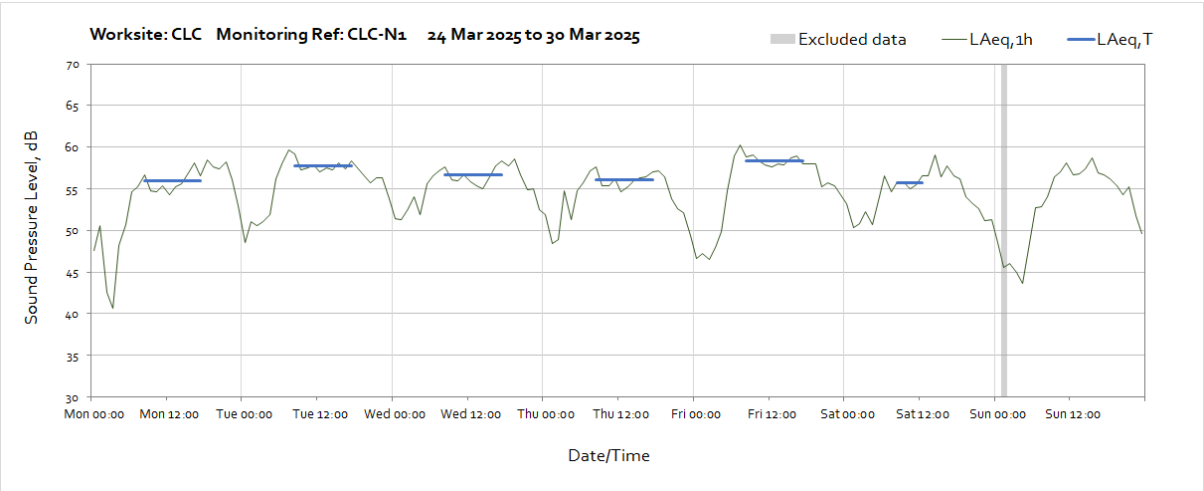
Sun 12:00
Date/Time


Worksite: CLC Monitoring Ref: CLC-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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Mon 00:00
Mon 12:00
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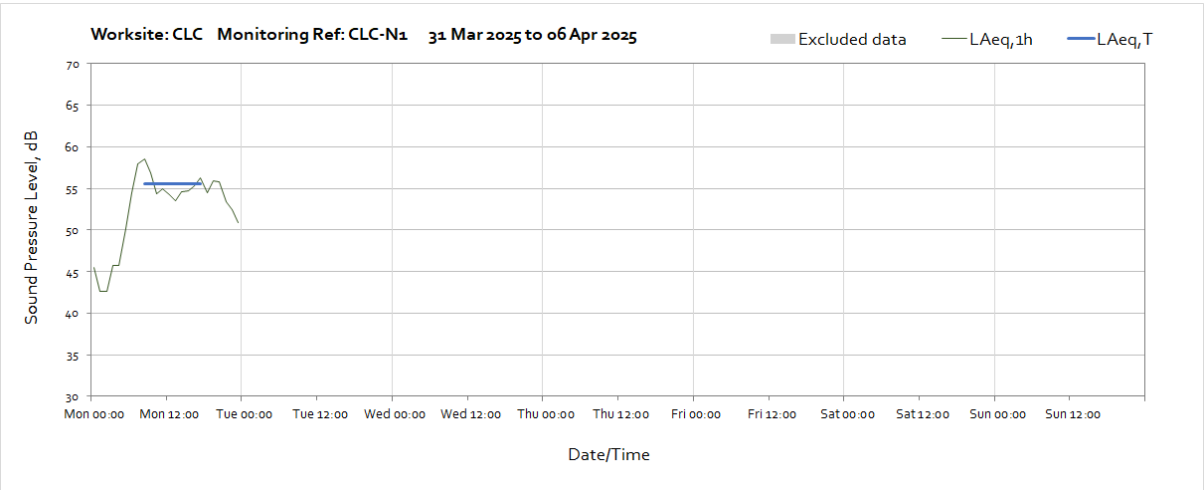
Date/Time


Worksite: CLC Monitoring Ref: CLC-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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Mon 00:00
Mon 12:00
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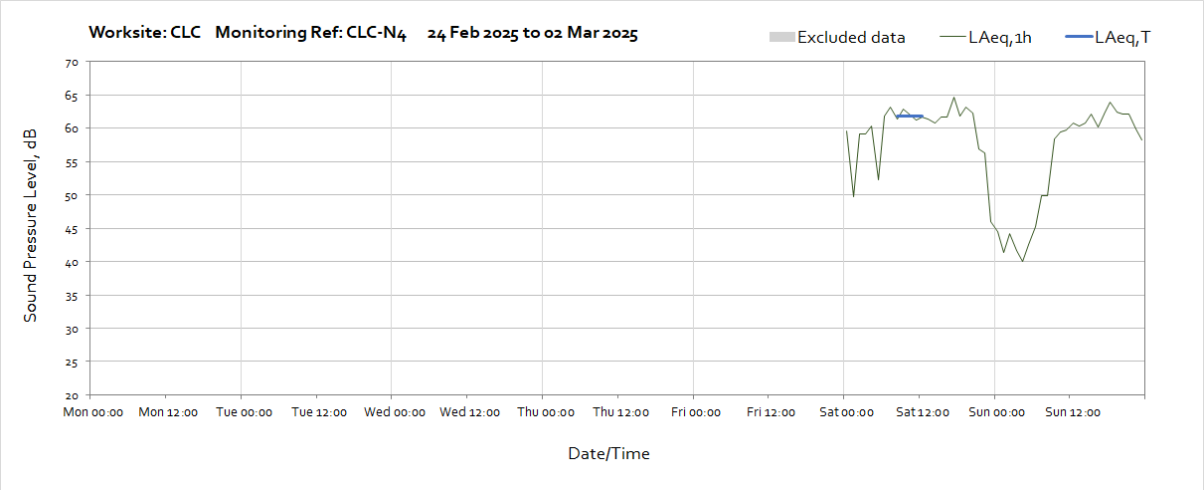
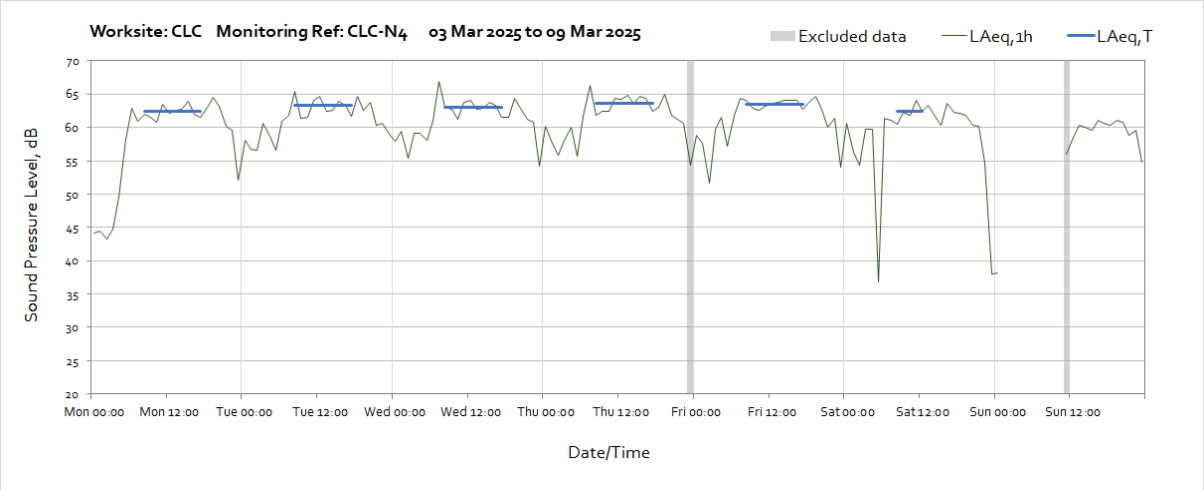
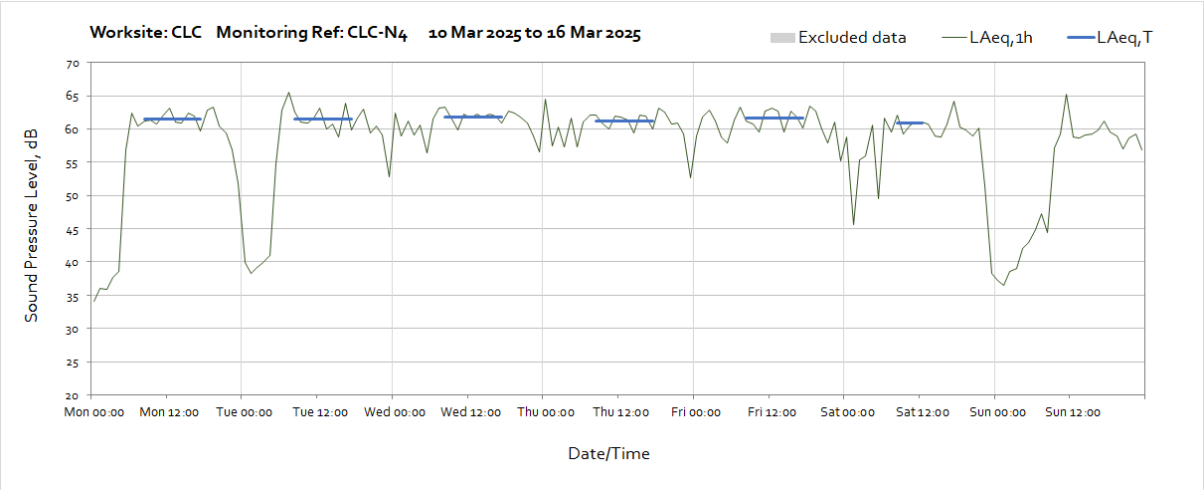
Date/Time

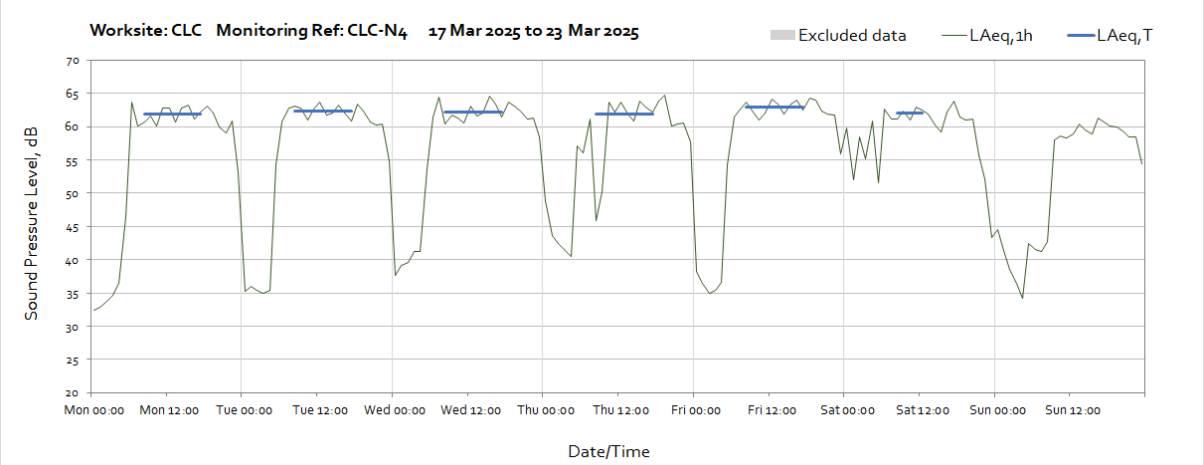
Worksite: CLC – Monitoring Ref: CLC-N4





Note: Missing data between 01:00 and 11:00 on Sunday 9th March was due to communication issues between the monitoring station and the server.




Worksite: CLC Monitoring Ref: CLC-N4 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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50
45
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25
20
Mon 00:00
Mon 12:00
Tue 00:00
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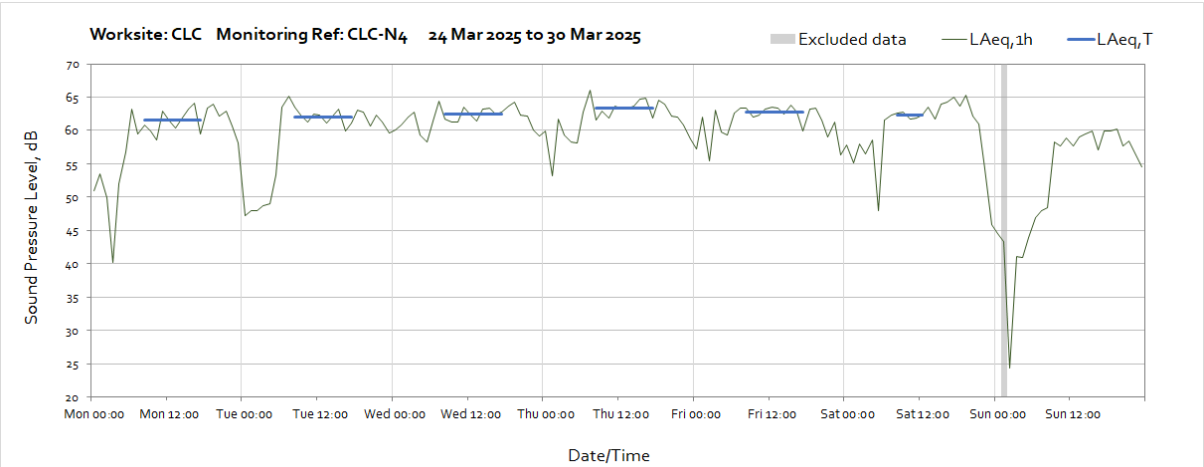
Date/Time


Worksite: CLC Monitoring Ref: CLC-N4 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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Mon 00:00
Mon 12:00
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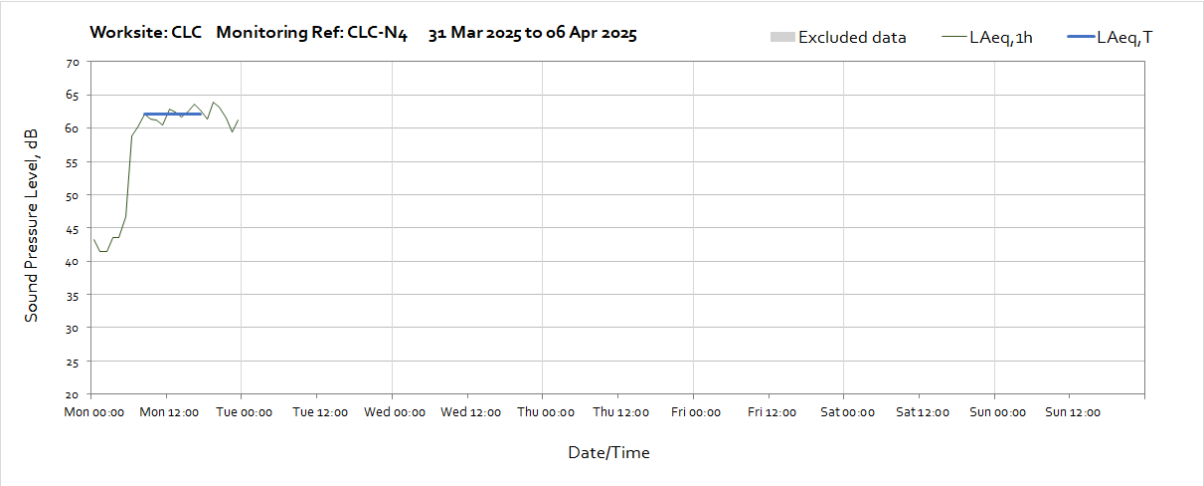
Sun 12:00
Date/Time


Worksite: CLC Monitoring Ref: CLC-N4 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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50
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20
Mon 00:00
Mon 12:00
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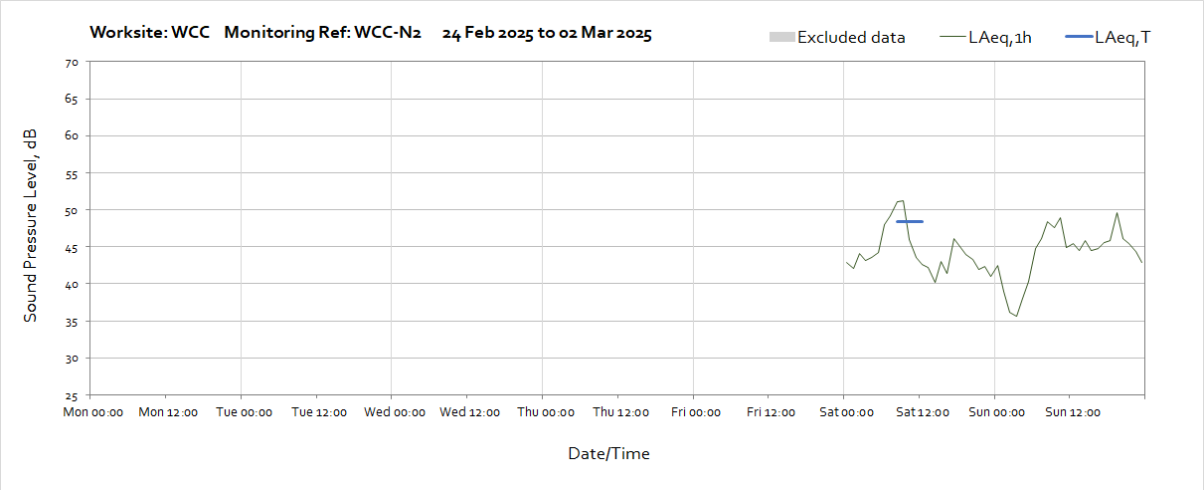
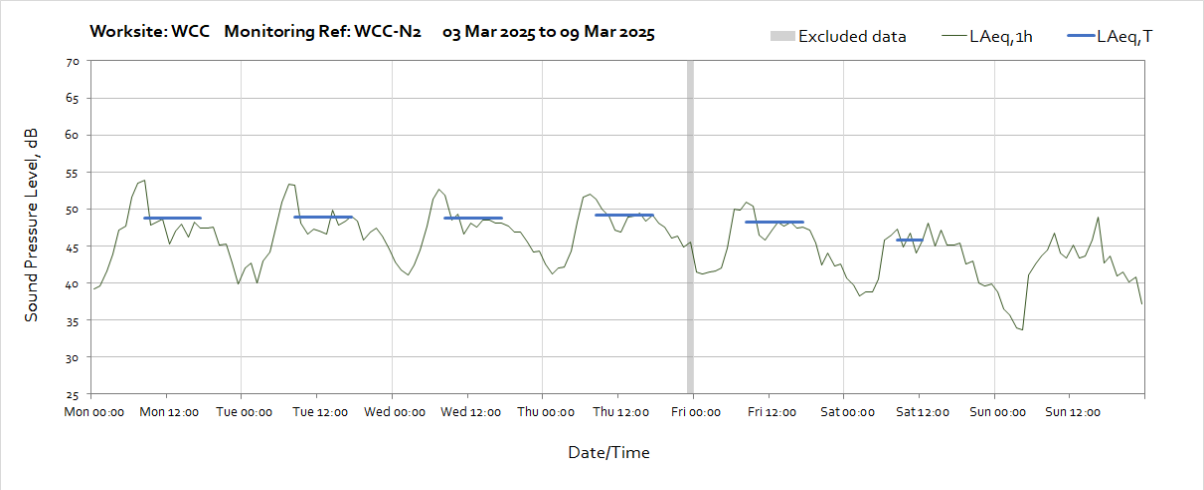
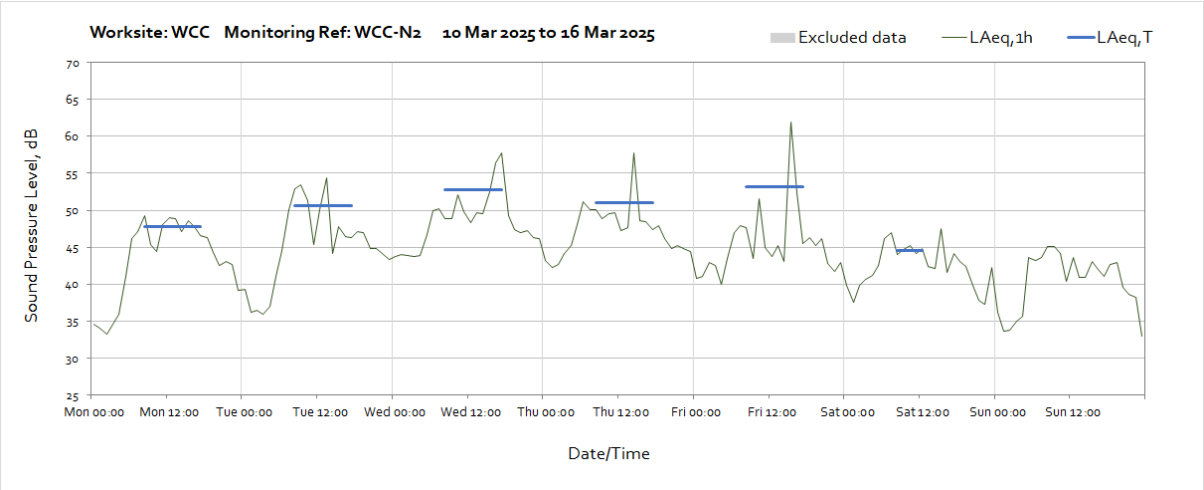
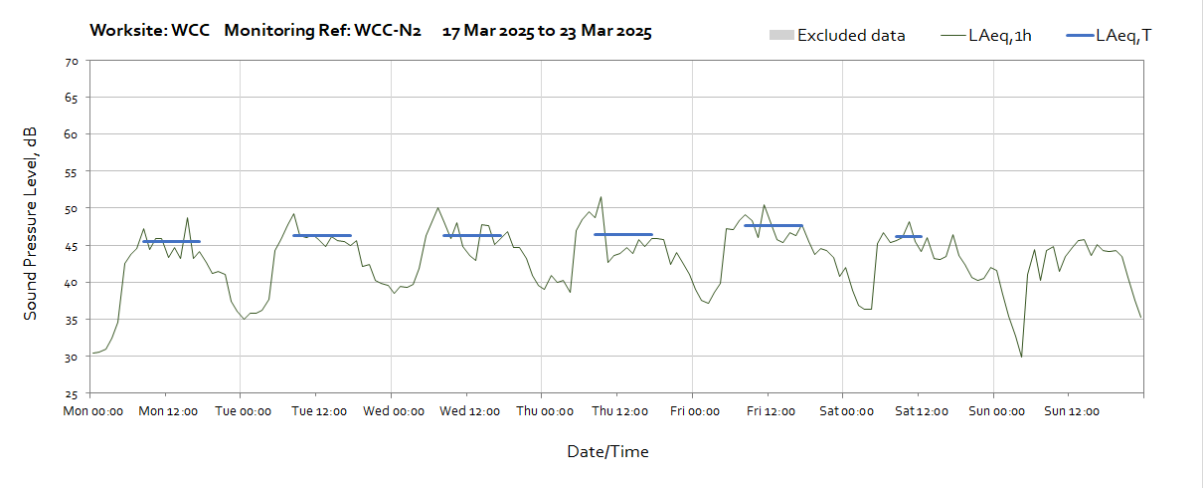
Date/Time

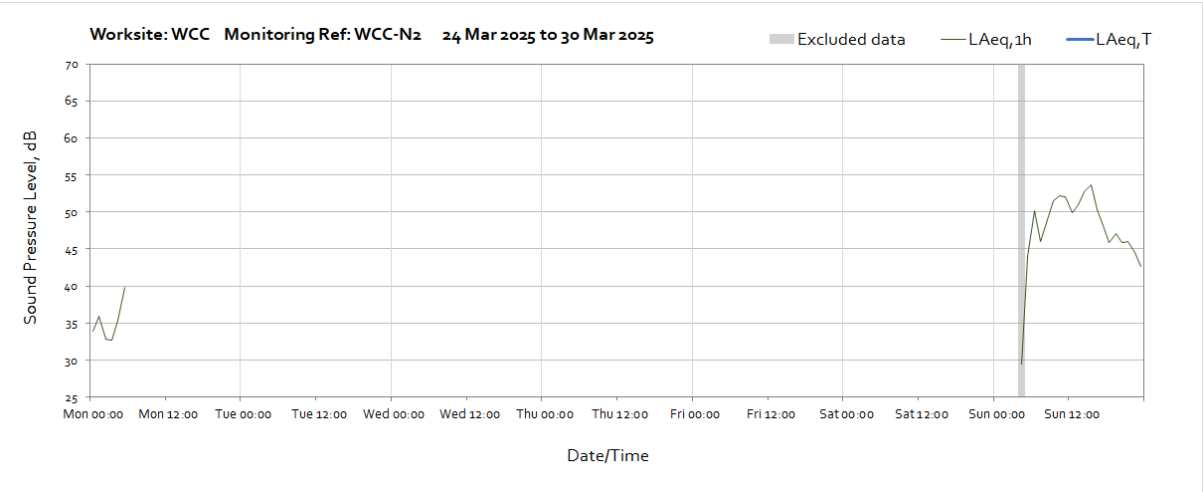
Worksite: WCC – Monitoring Ref: WCC-N2



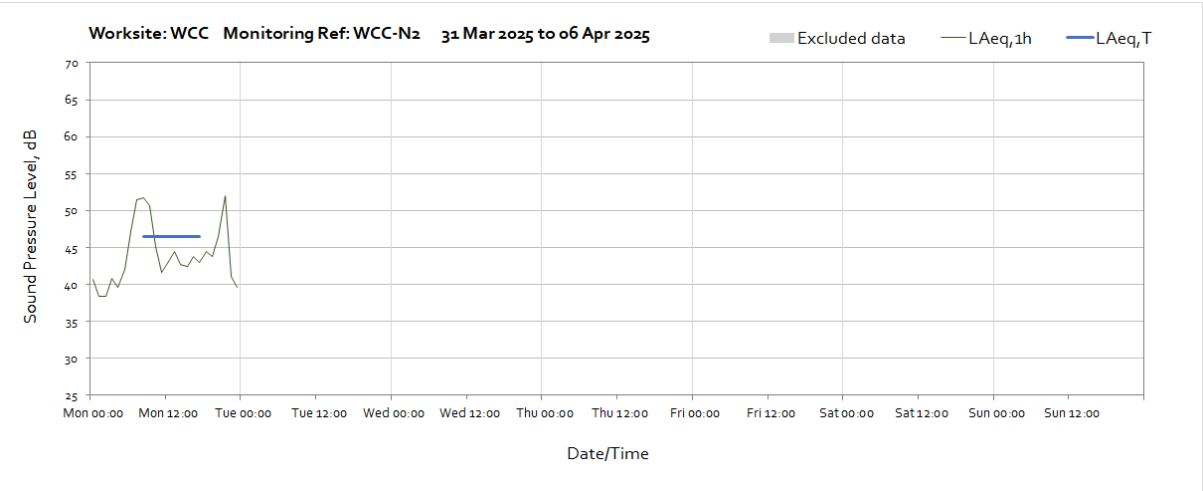




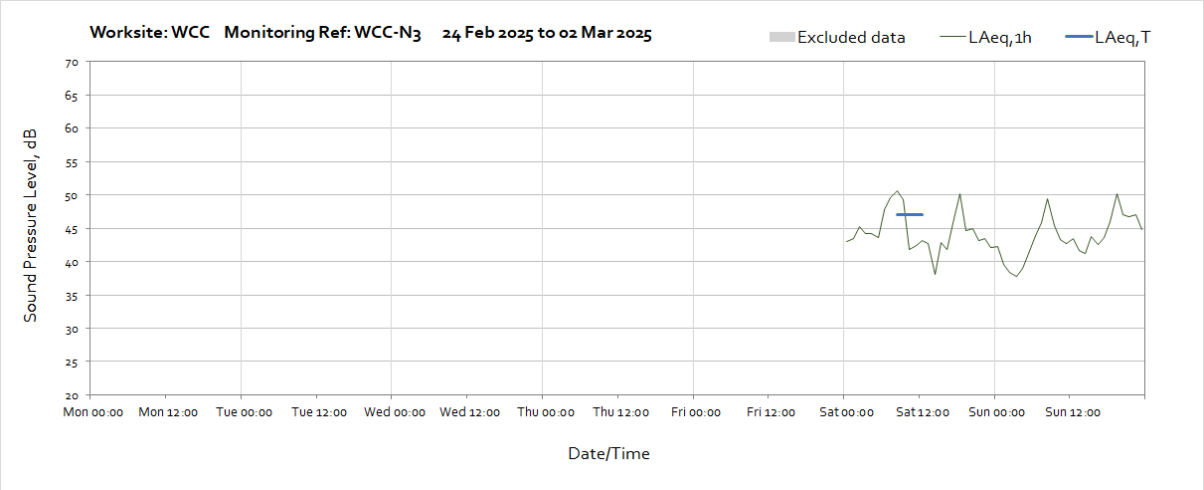


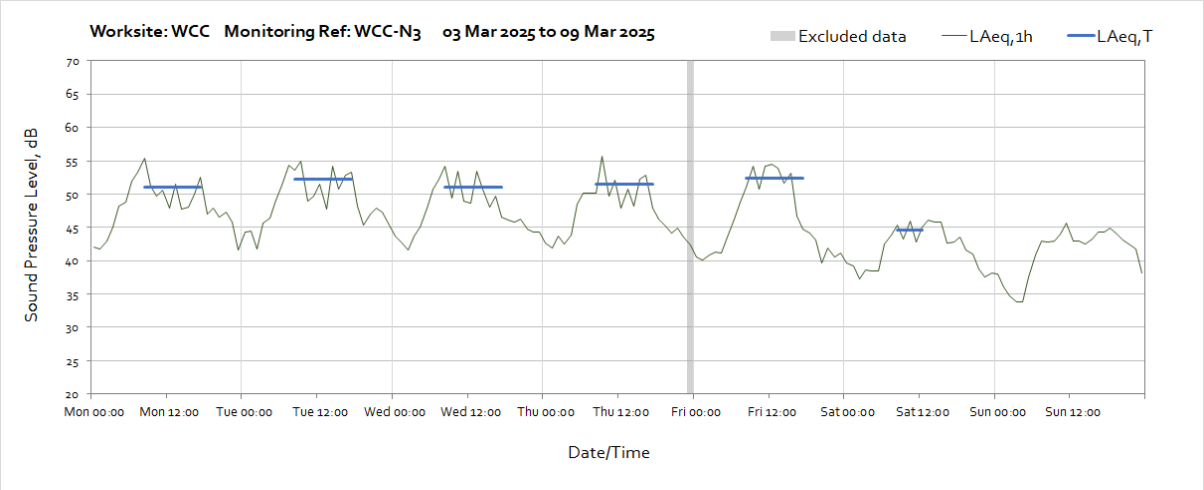


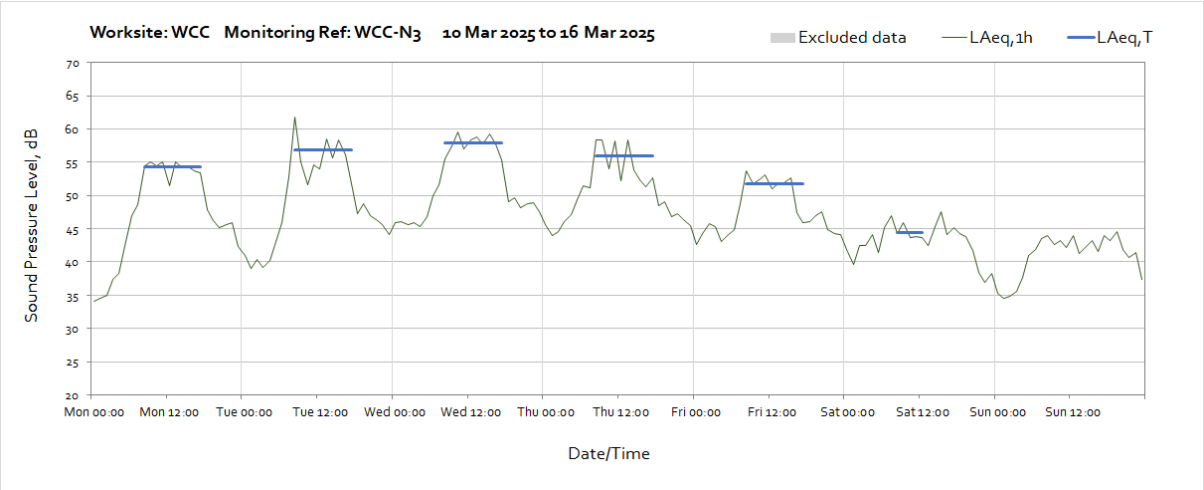
Note: Missing data between 06:00 on Monday 24th March and 03:00 on Sunday 30th March was due to a system error at the monitoring station.

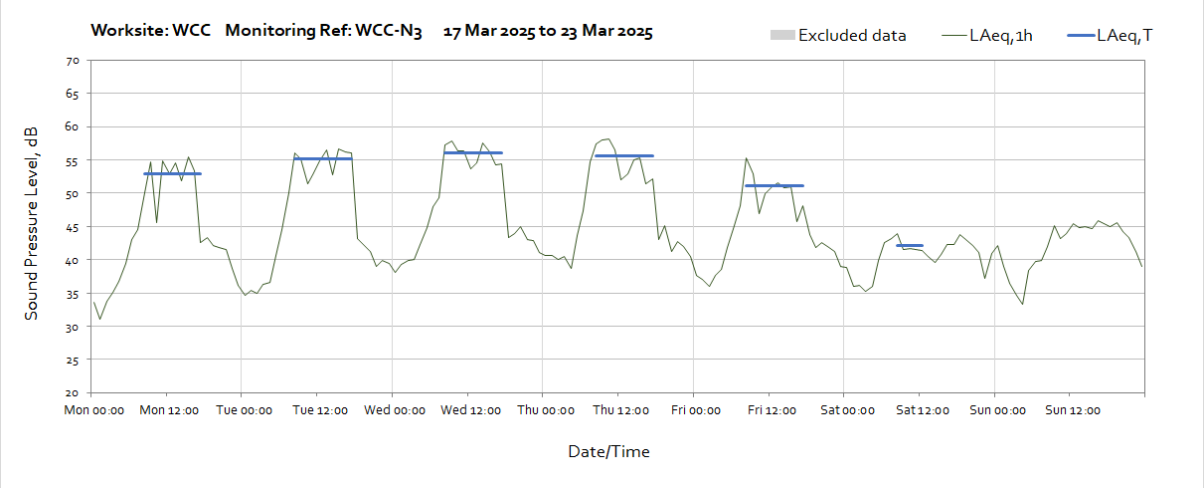


Worksite: WCC – Monitoring Ref: WCC-N3








Worksite: WCC Monitoring Ref: WCC-N3 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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Mon 00:00
Mon 12:00
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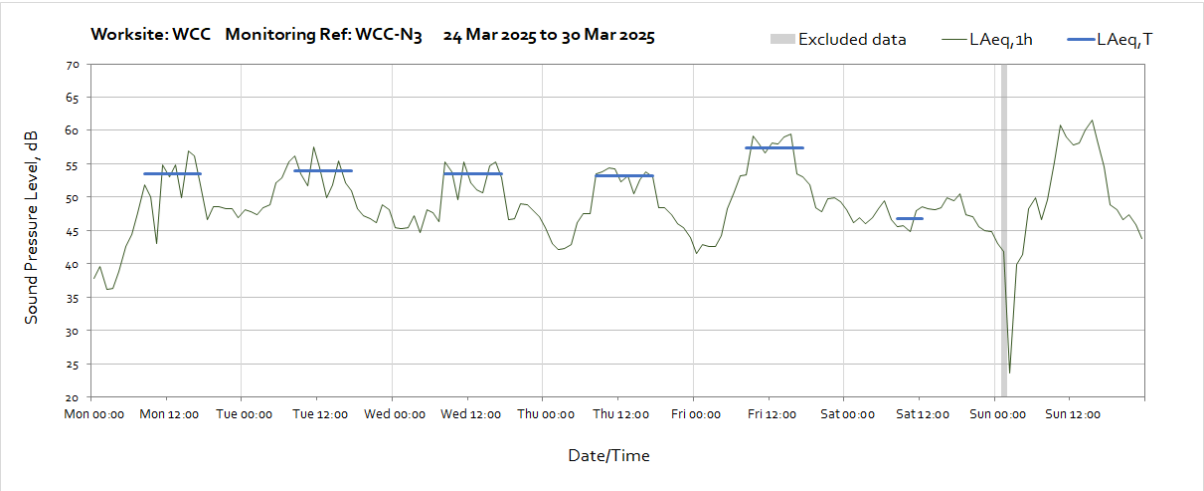
Date/Time


Worksite: WCC Monitoring Ref: WCC-N3 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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50
45
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Mon 00:00
Mon 12:00
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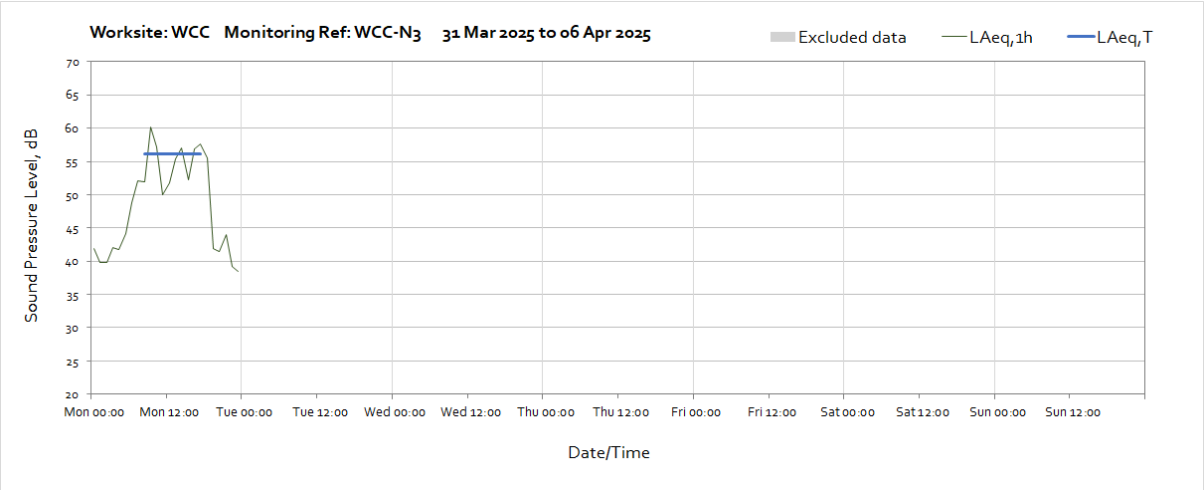
Date/Time


Worksite: WCC Monitoring Ref: WCC-N3 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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Mon 00:00
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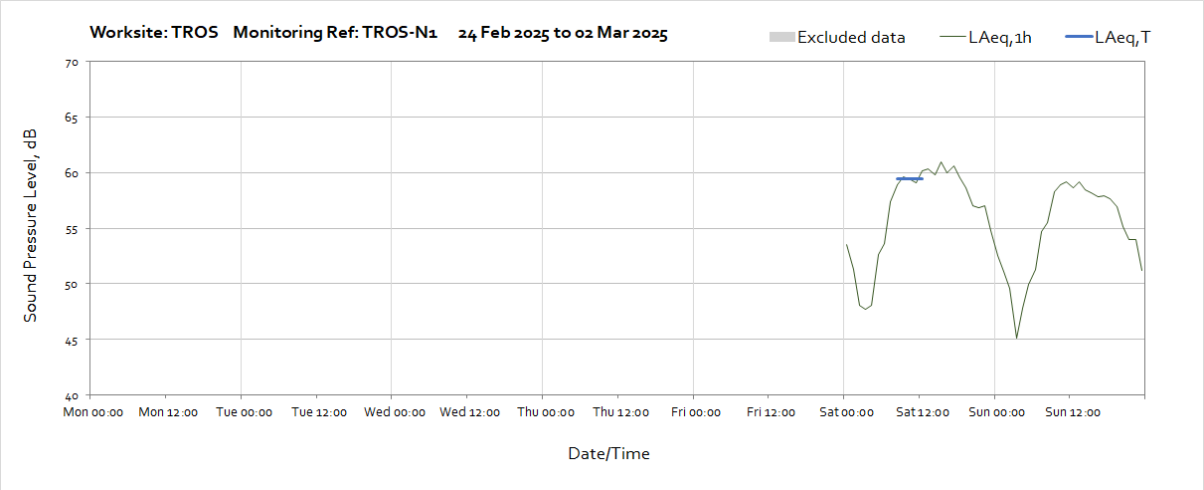
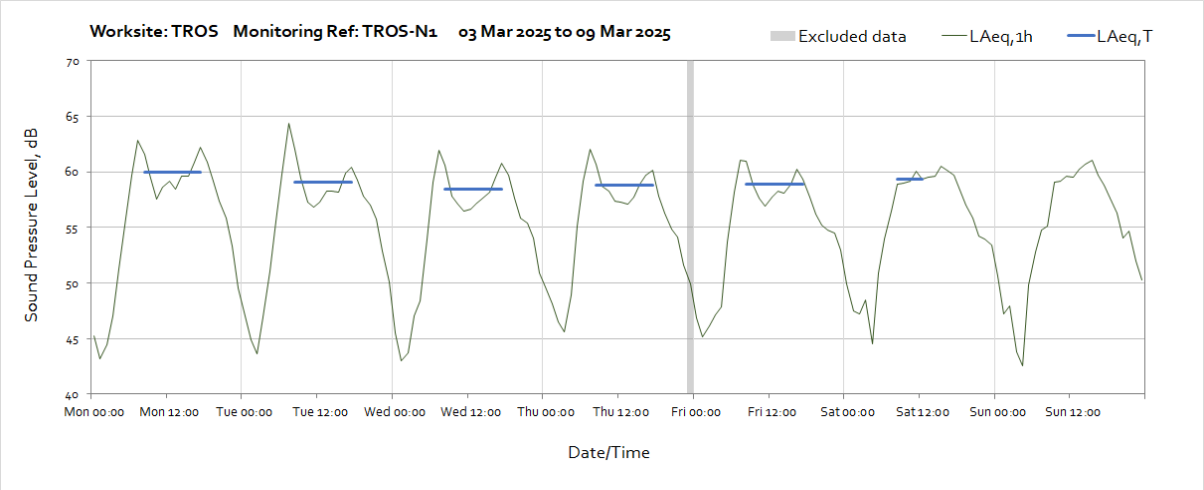
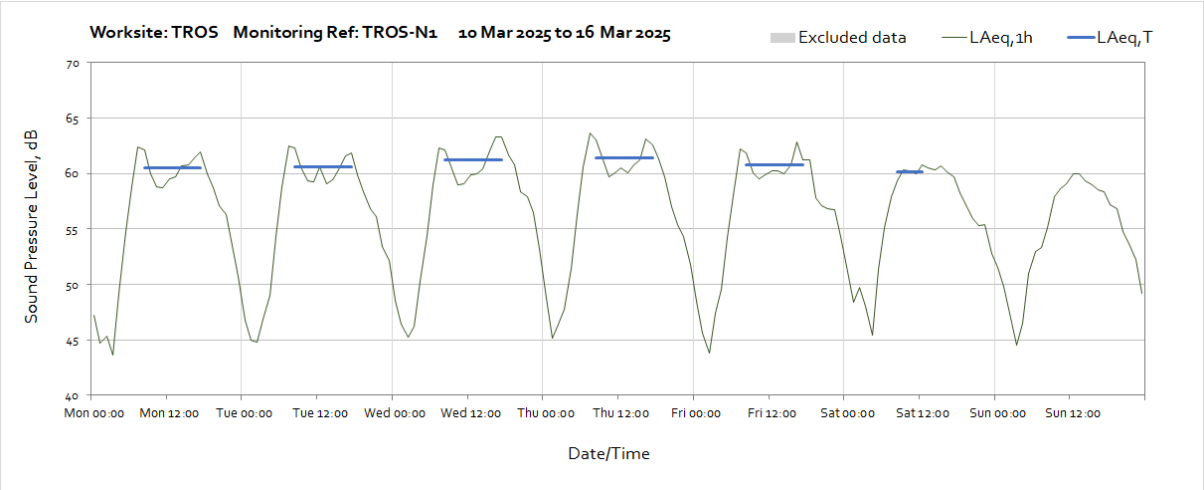
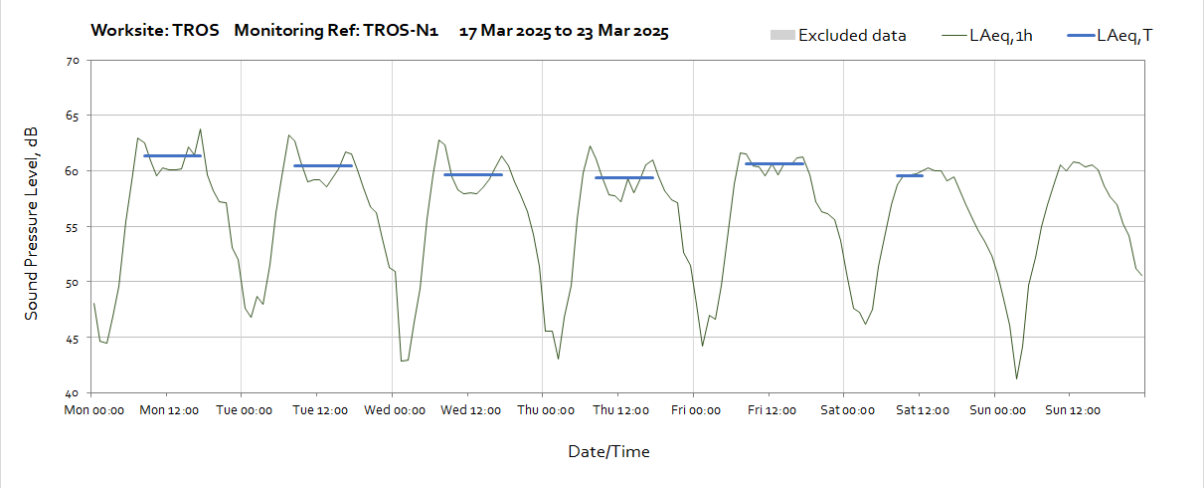
Sun 12:00
Date/Time

Worksite: TROS – Monitoring Ref: TROS-N1








Worksite: TROS Monitoring Ref: TROS-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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Mon 00:00
Mon 12:00
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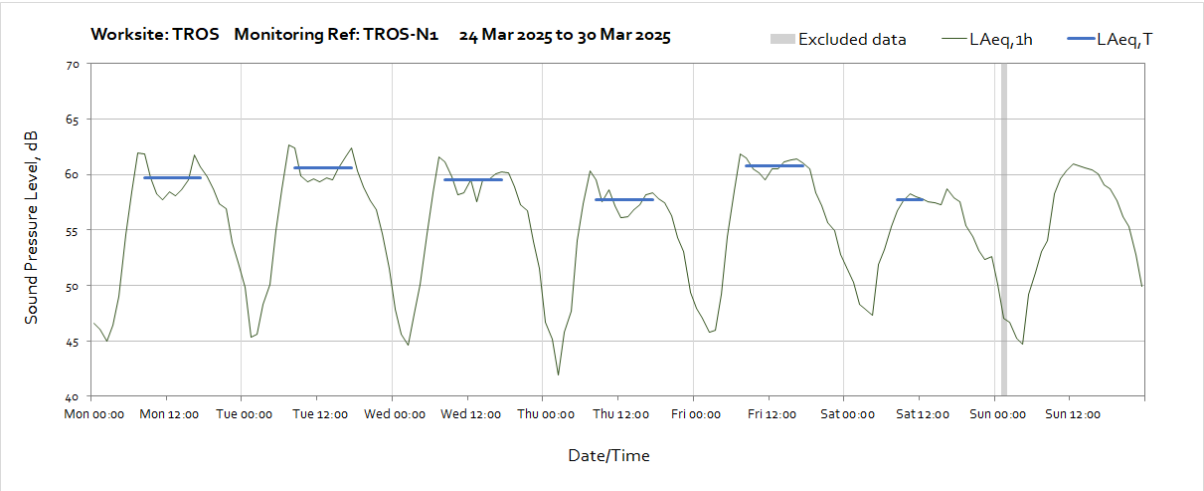
Date/Time


Worksite: TROS Monitoring Ref: TROS-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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Mon 00:00
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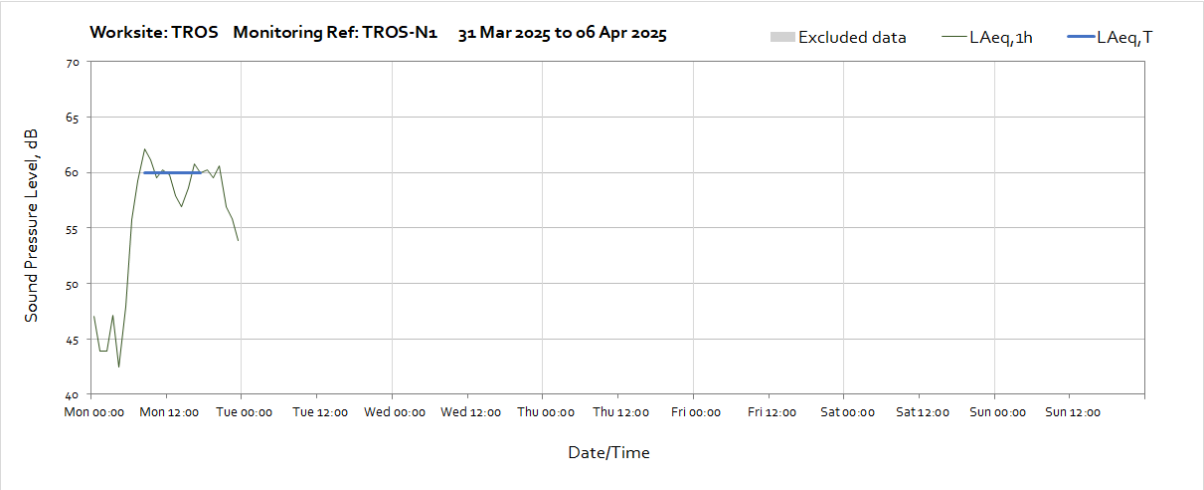
Date/Time


Worksite: TROS Monitoring Ref: TROS-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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Mon 00:00
Mon 12:00
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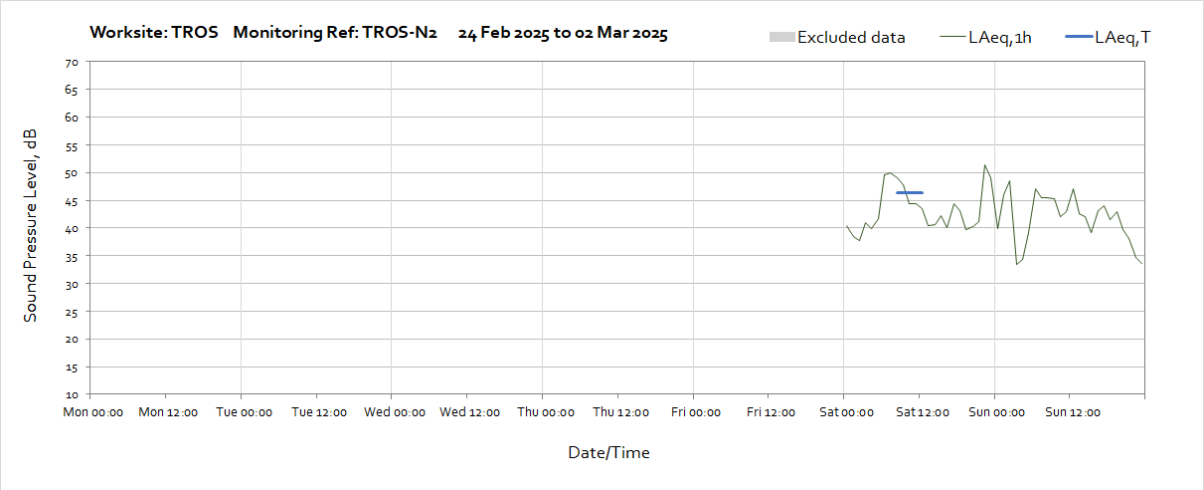
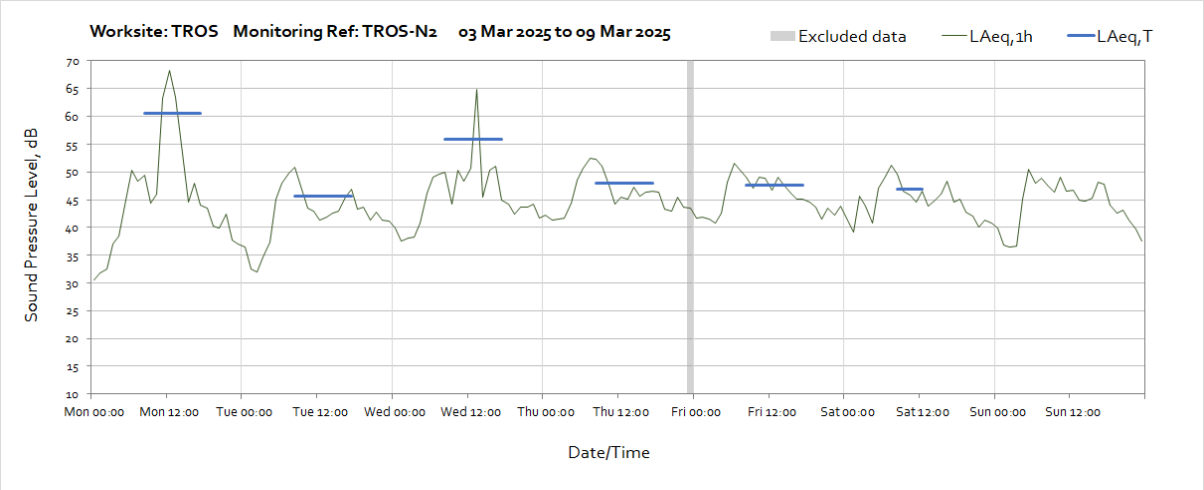
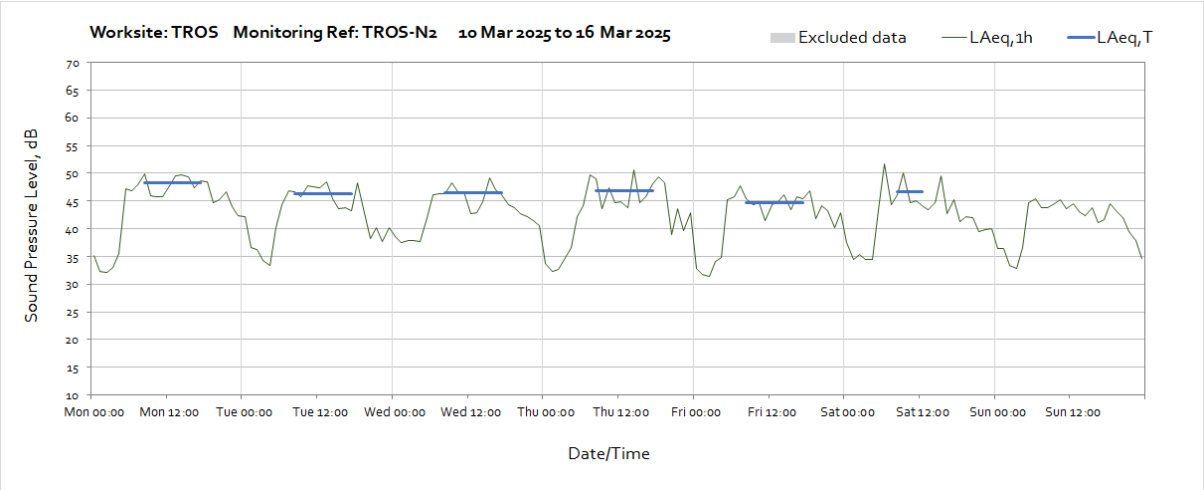
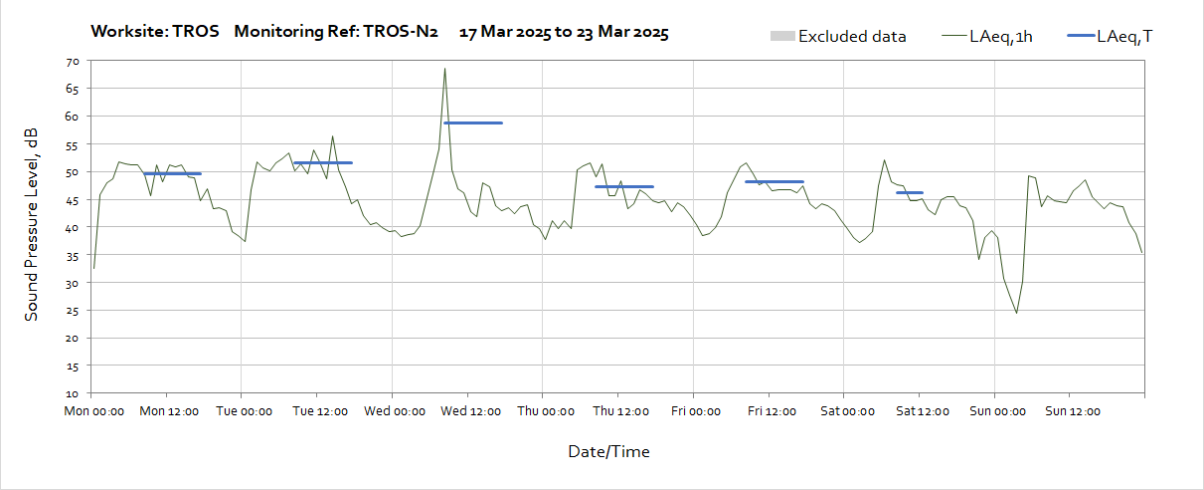
Date/Time

Worksite: TROS – Monitoring Ref: TROS-N2








Worksite: TROS Monitoring Ref: TROS-N2 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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Mon 00:00
Mon 12:00
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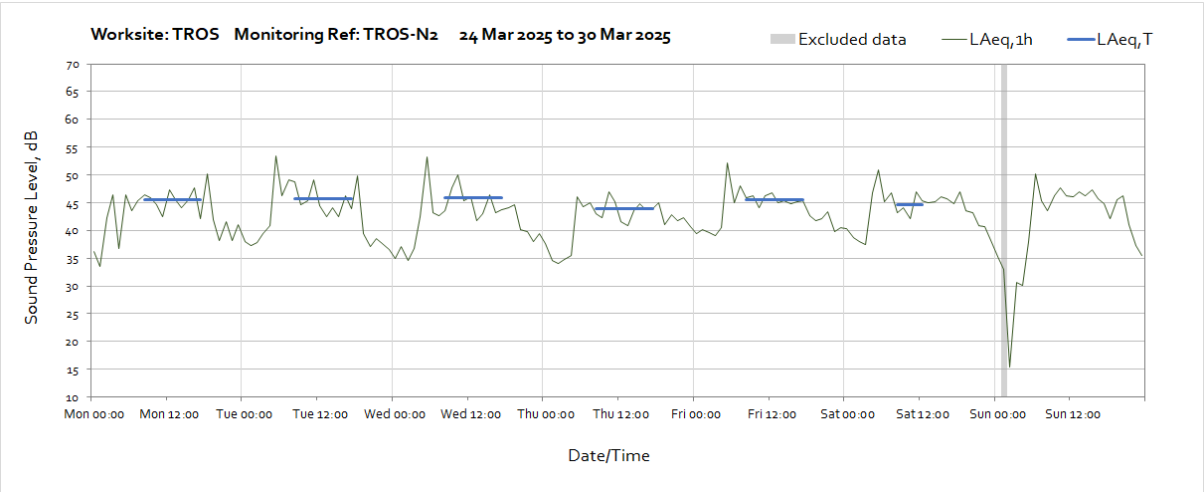
Date/Time


Worksite: TROS Monitoring Ref: TROS-N2 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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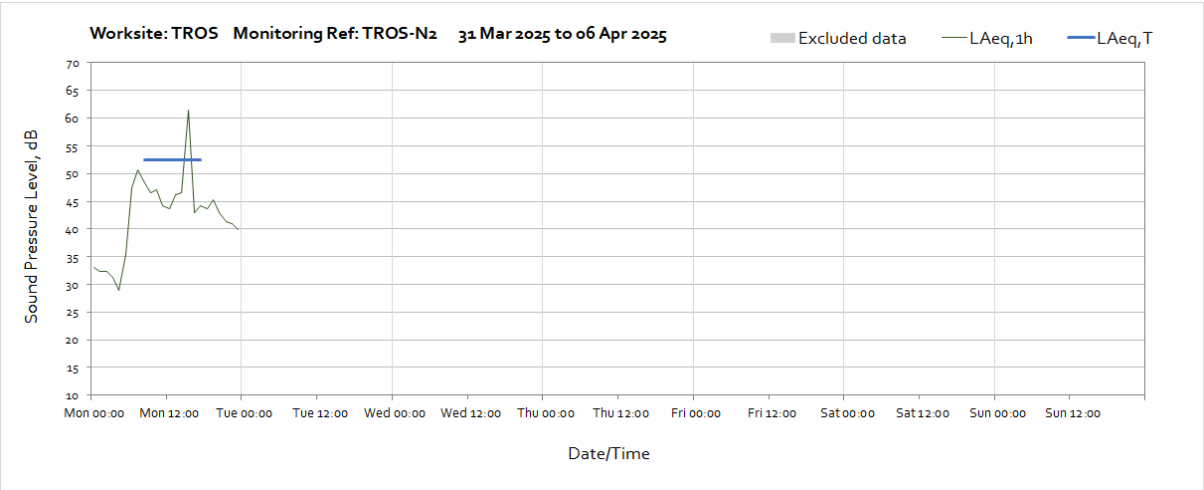
Date/Time


Worksite: TROS Monitoring Ref: TROS-N2 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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Mon 00:00
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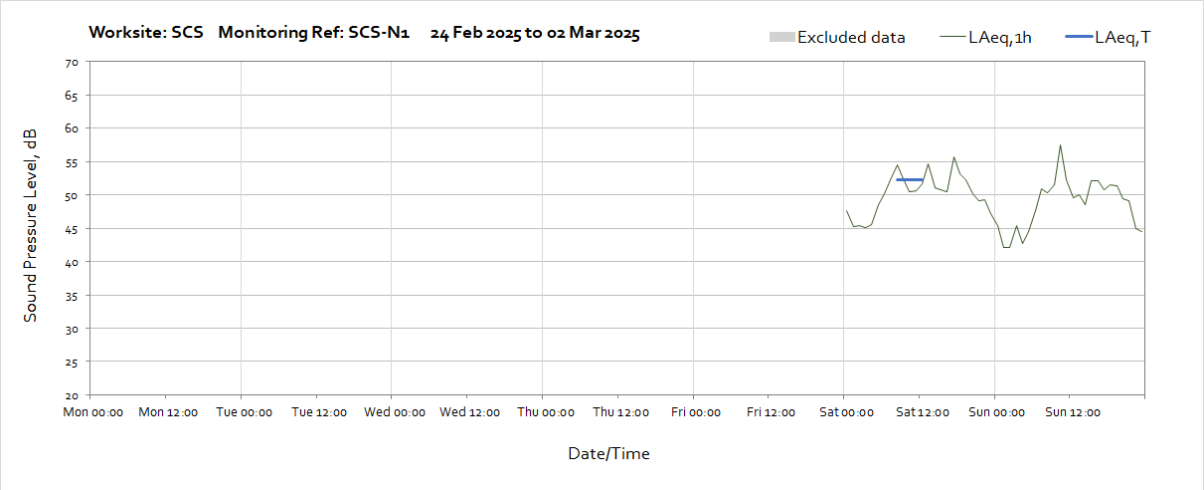
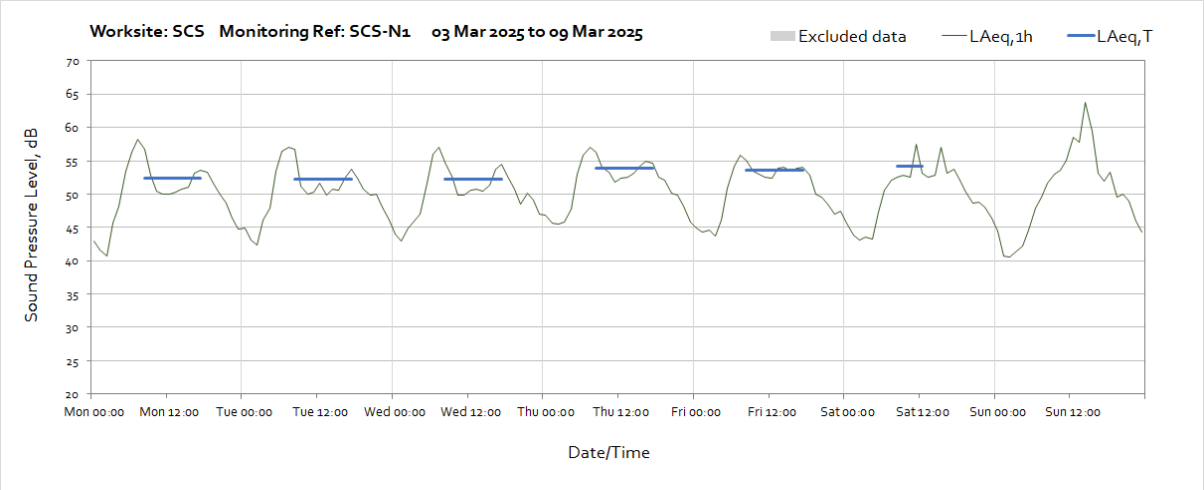
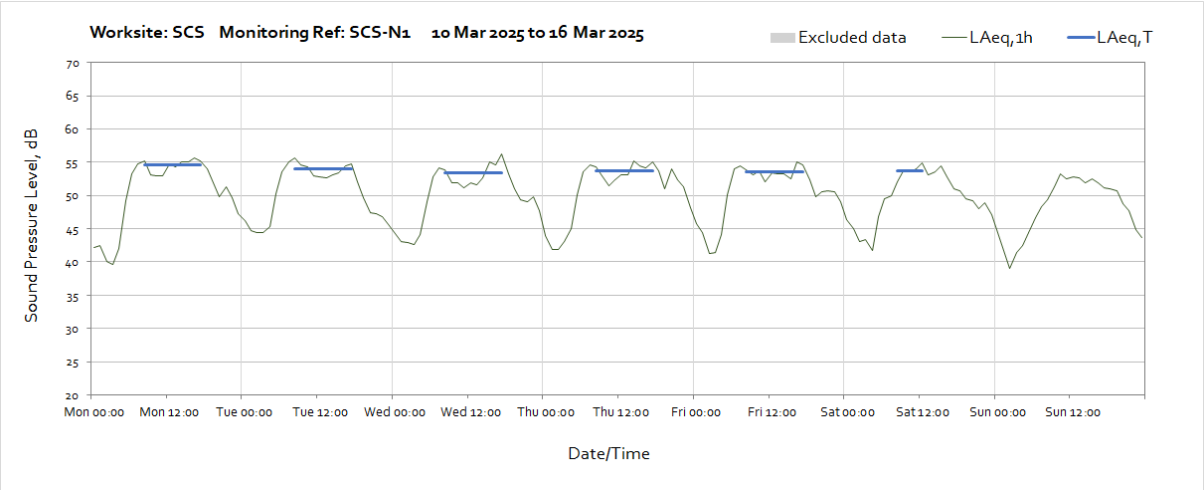
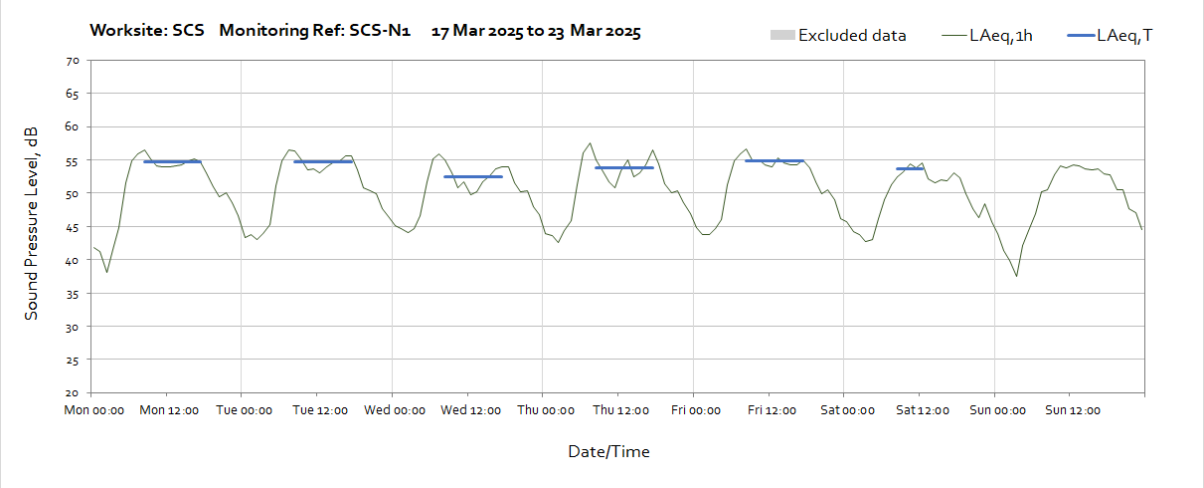
Date/Time

Worksite: SCS – Monitoring Ref: SCS-N1








Worksite: SCS Monitoring Ref: SCS-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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Mon 00:00
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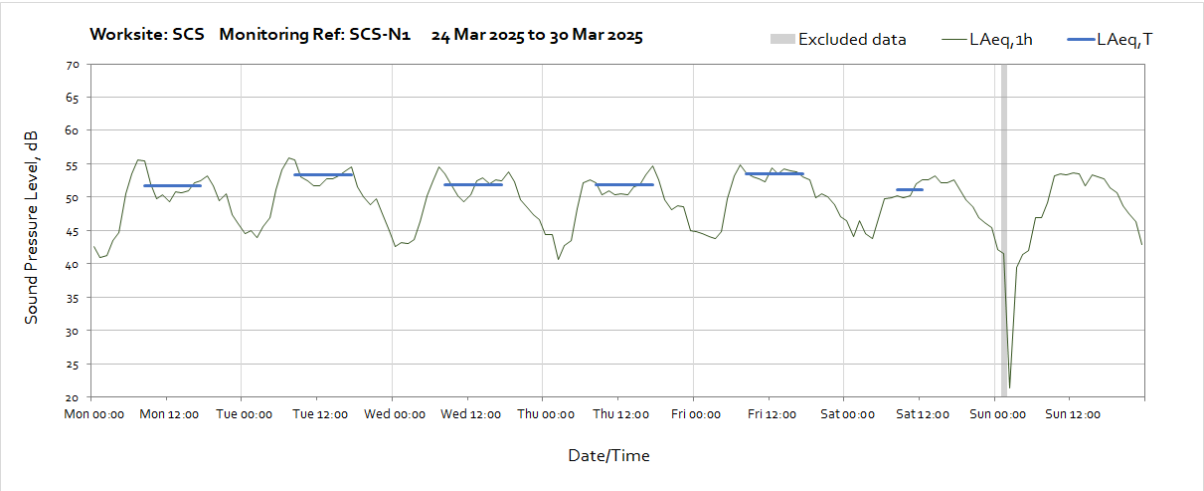
Date/Time


Worksite: SCS Monitoring Ref: SCS-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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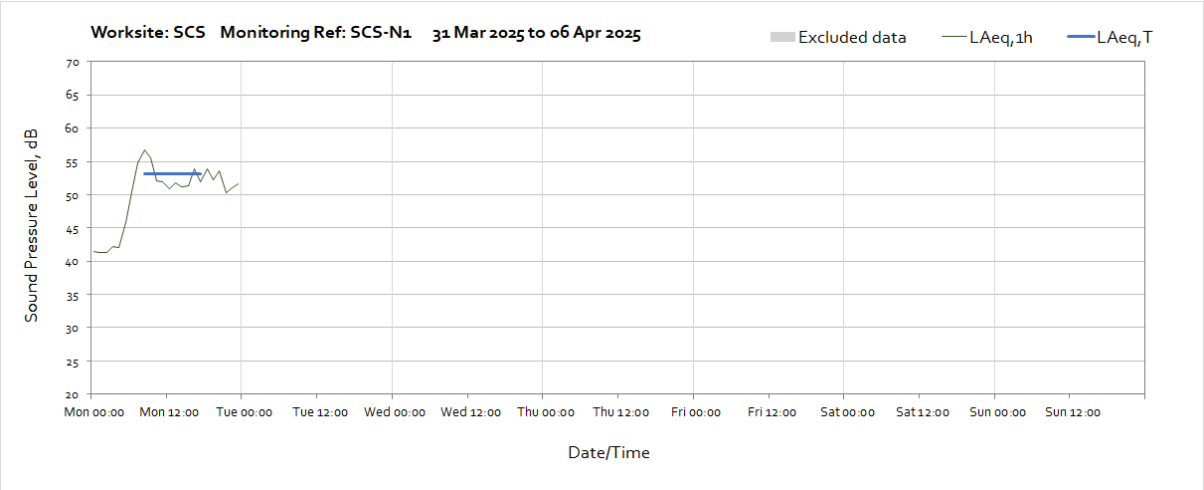
Date/Time


Worksite: SCS Monitoring Ref: SCS-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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Mon 00:00
Mon 12:00
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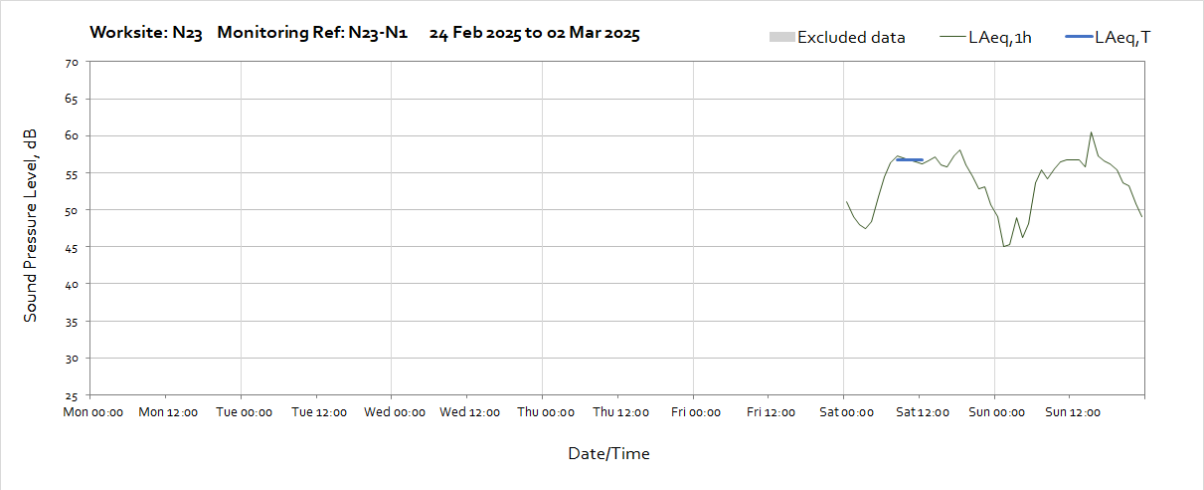
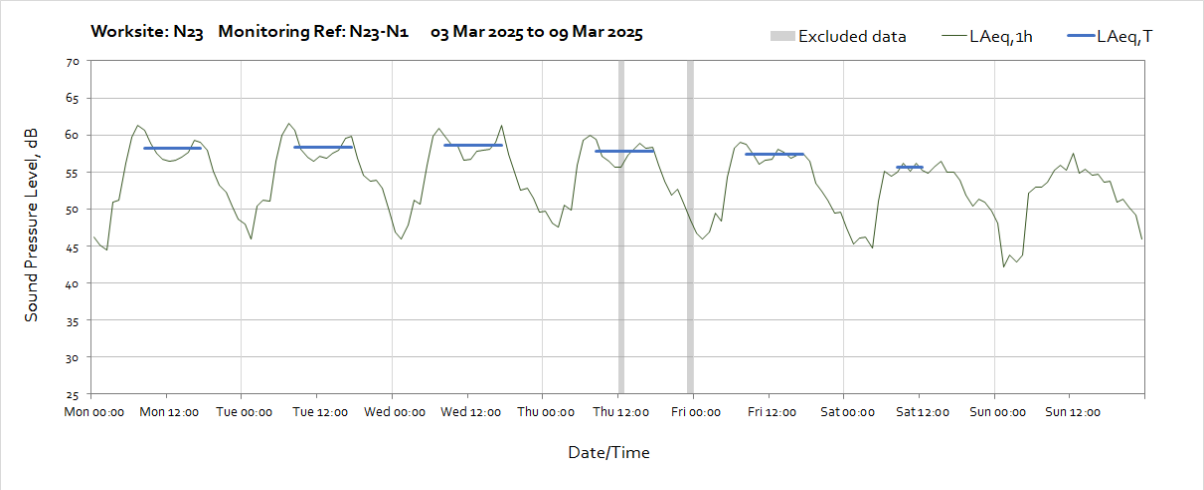
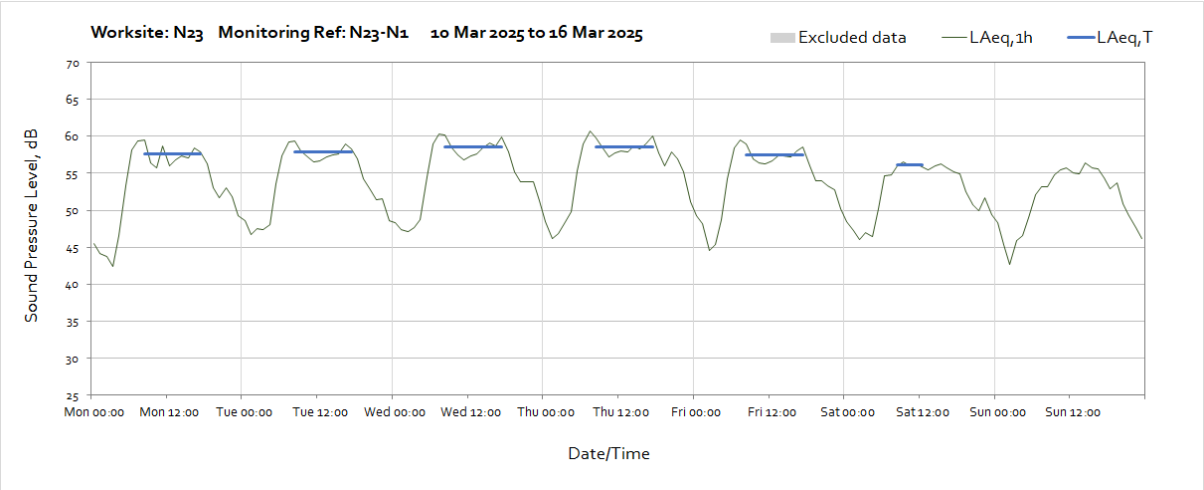
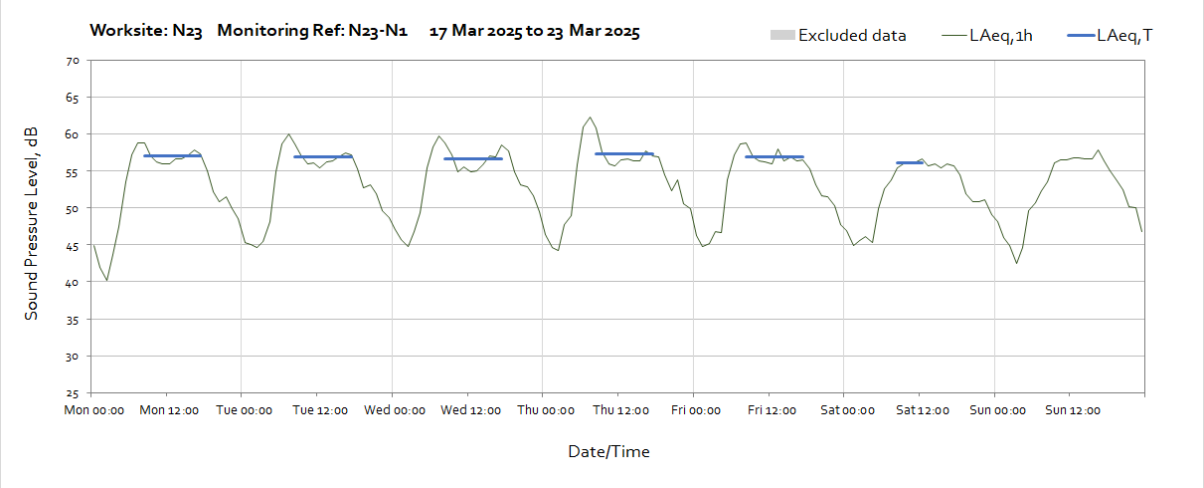
Date/Time

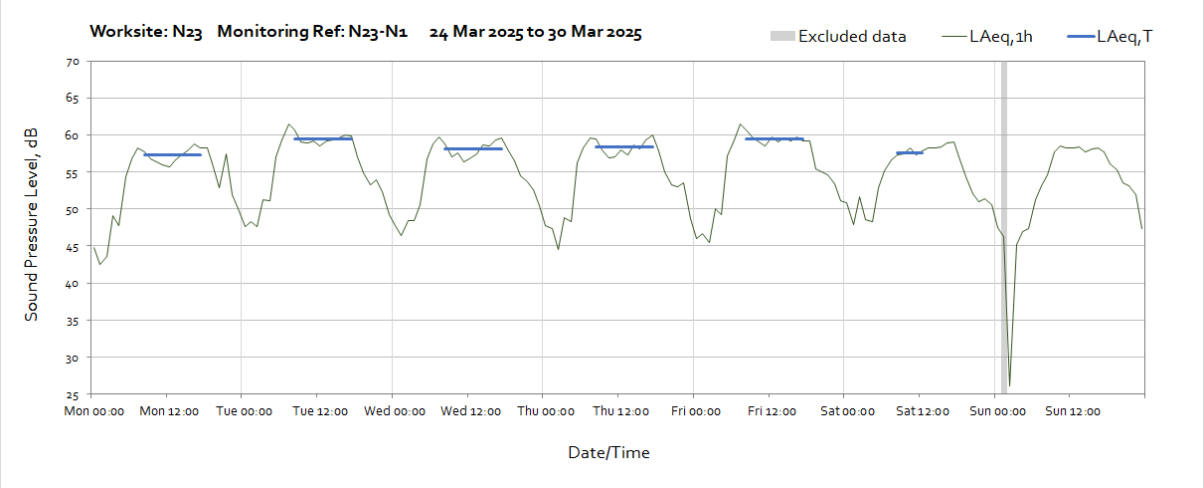
Worksite: N23 – Monitoring Ref: N23-N1

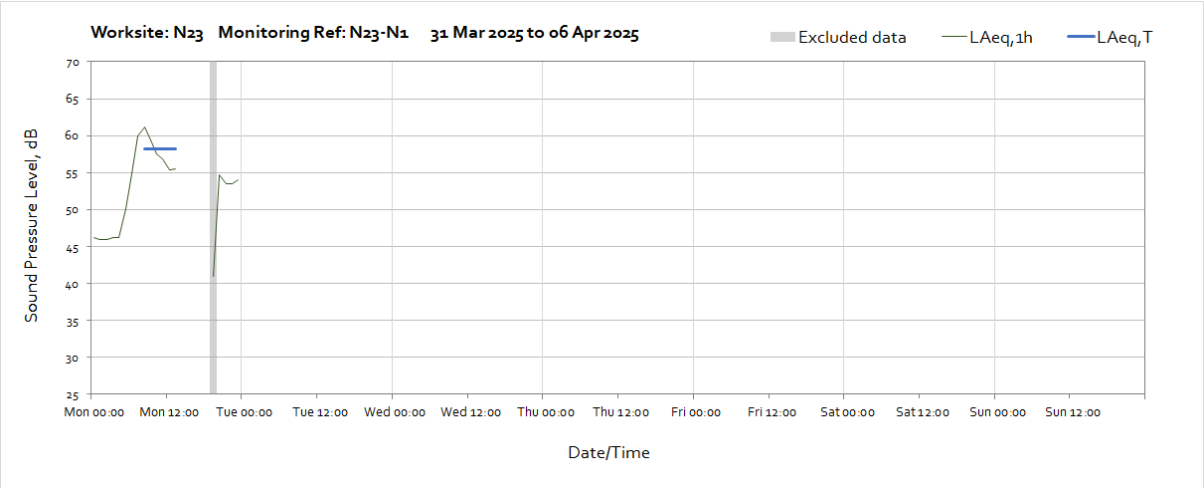






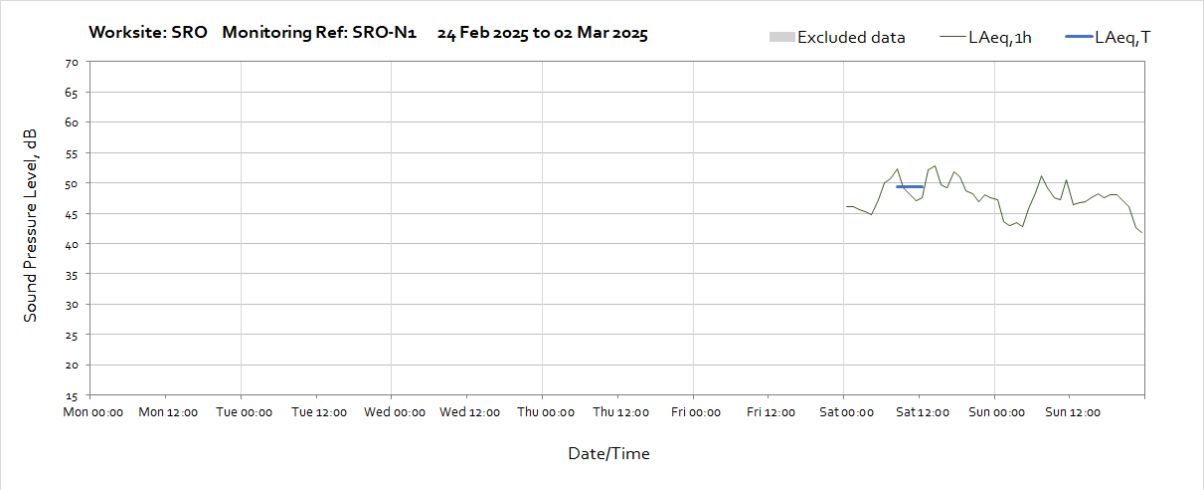


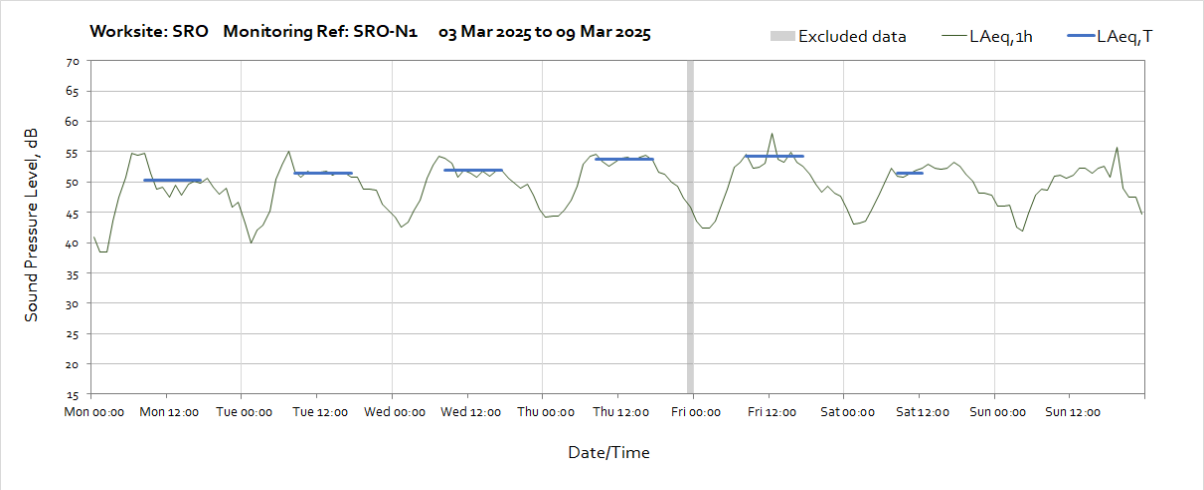


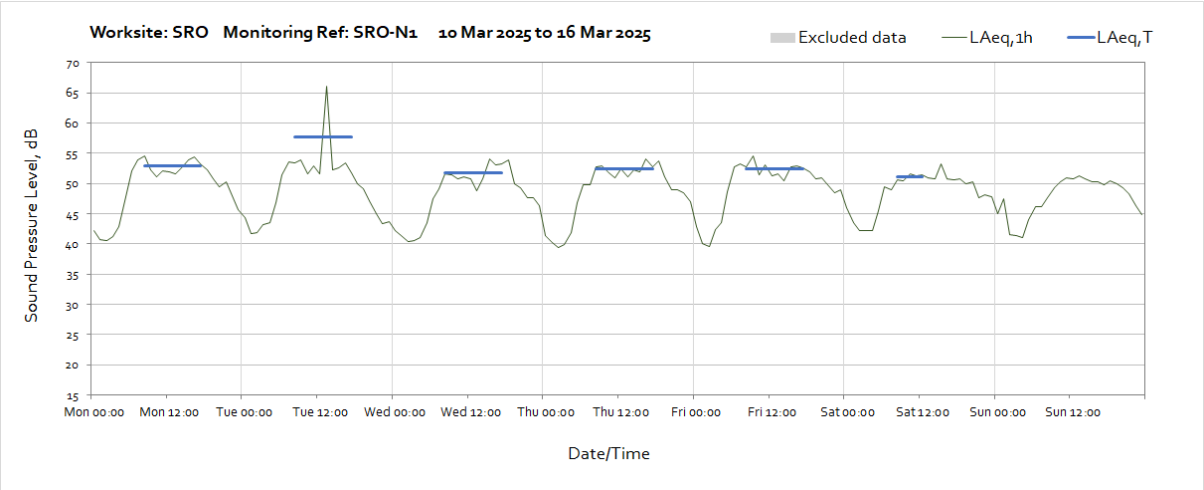


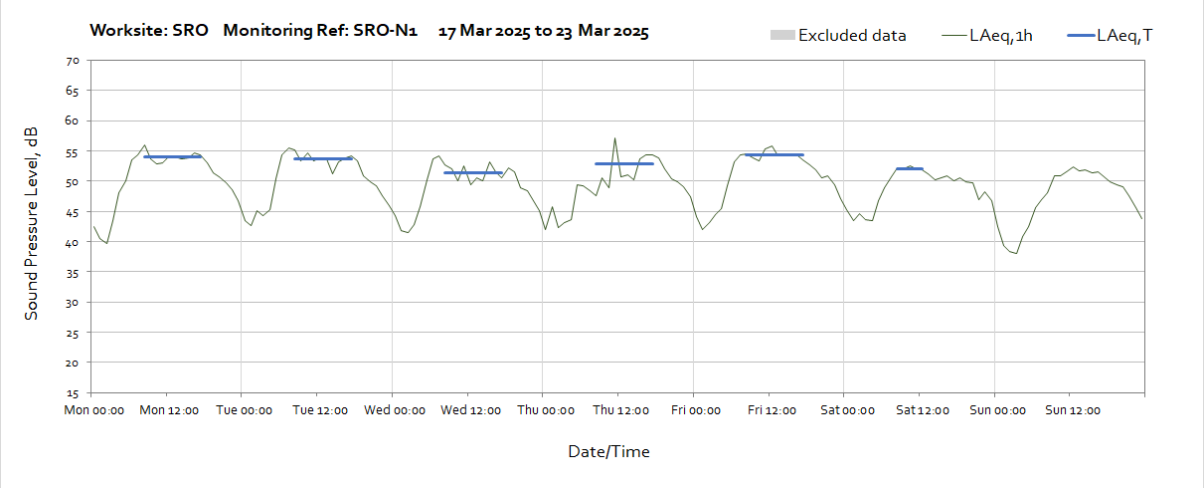
Note: Missing data between 14:00 and 19:00 on Monday 31st March was due to a communication error between the monitoring station and the server.

Worksite: SRO – Monitoring Ref: SRO-N1








Worksite: SRO Monitoring Ref: SRO-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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Mon 00:00
Mon 12:00
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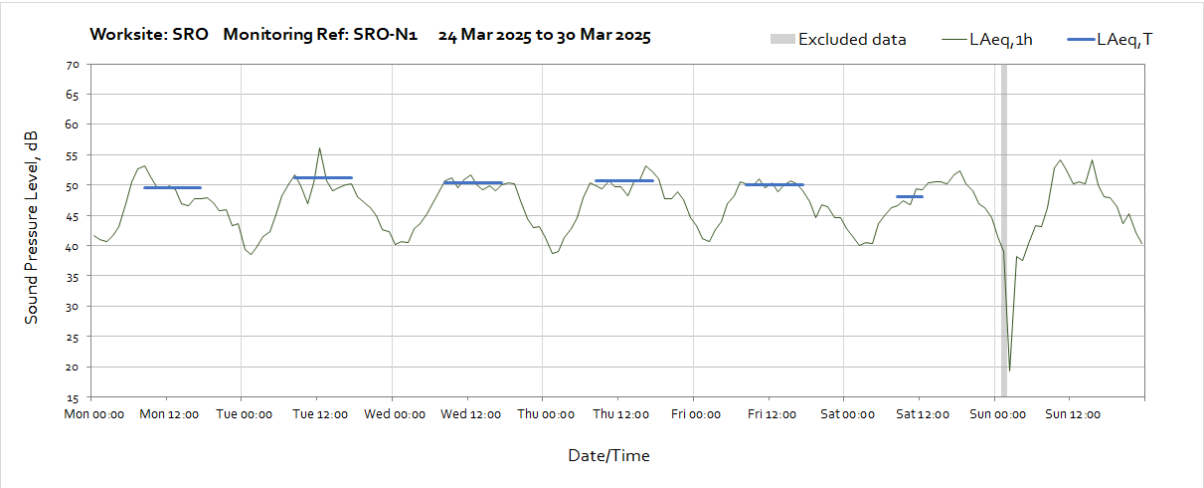
Sun 00:00
Sun 12:00
Date/Time


Worksite: SRO Monitoring Ref: SRO-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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Mon 12:00
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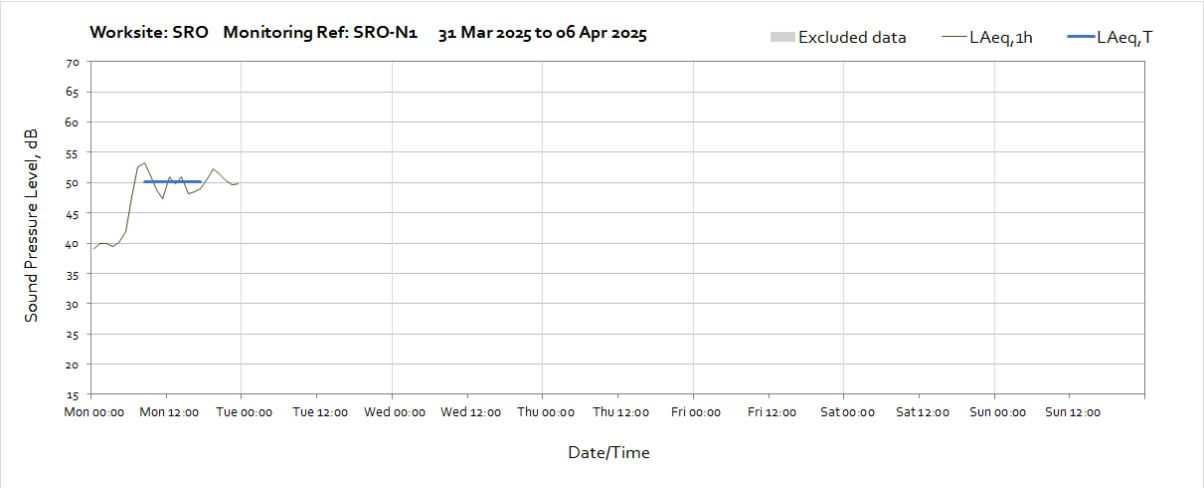
Sun 00:00
Sun 12:00
Date/Time


Worksite: SRO Monitoring Ref: SRO-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
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LAeq,T
Sound Pressure Level, dB
70
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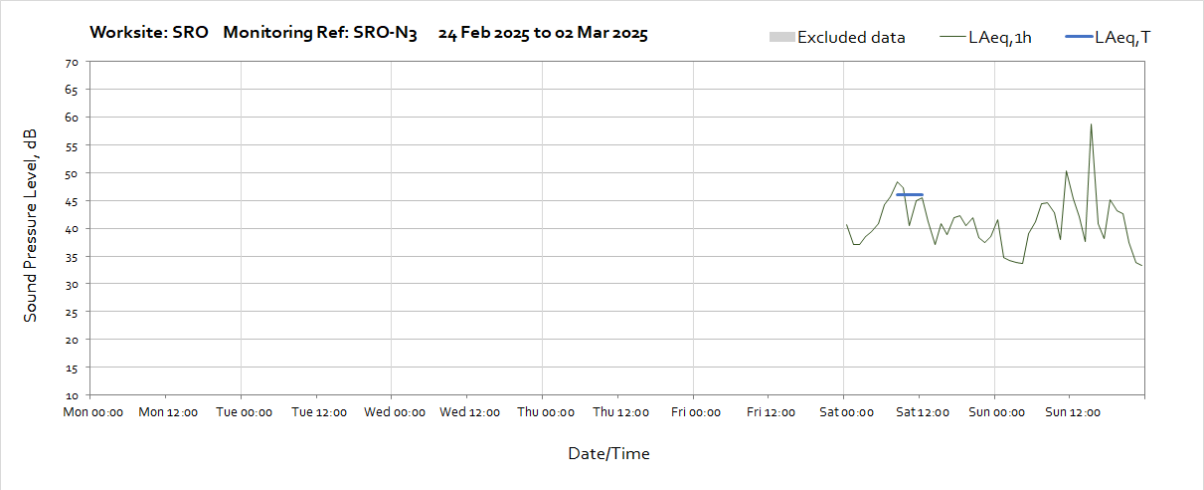
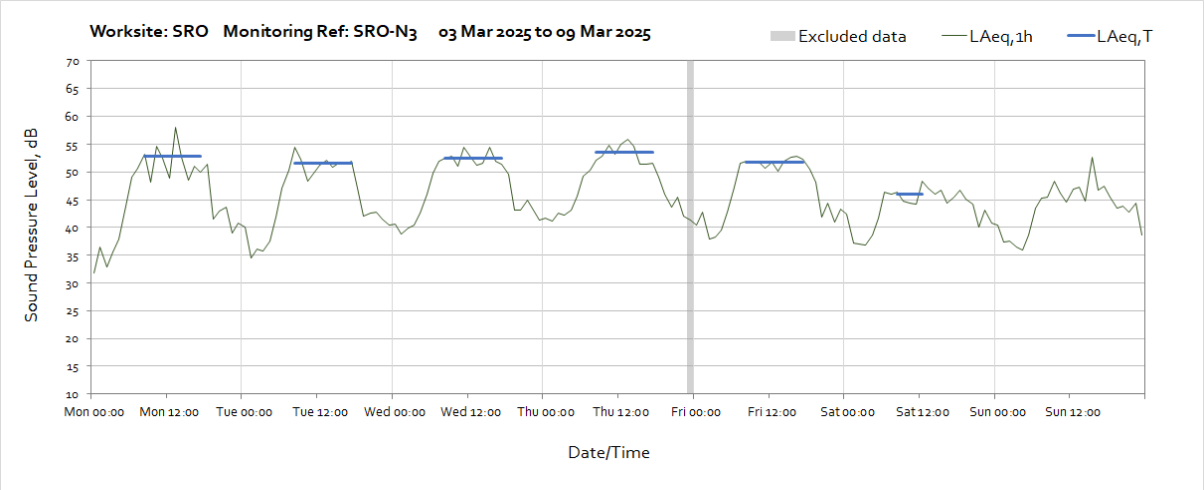
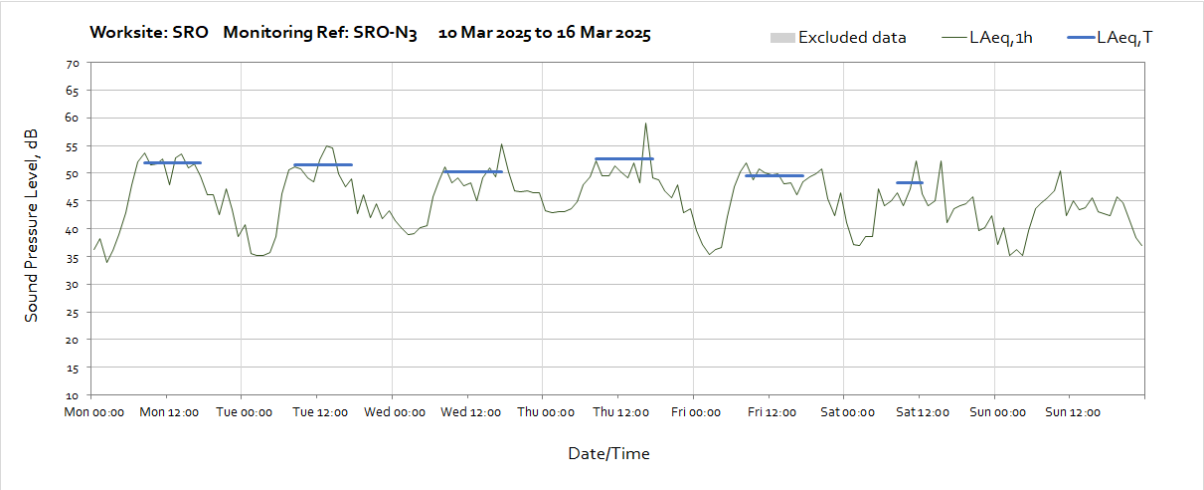
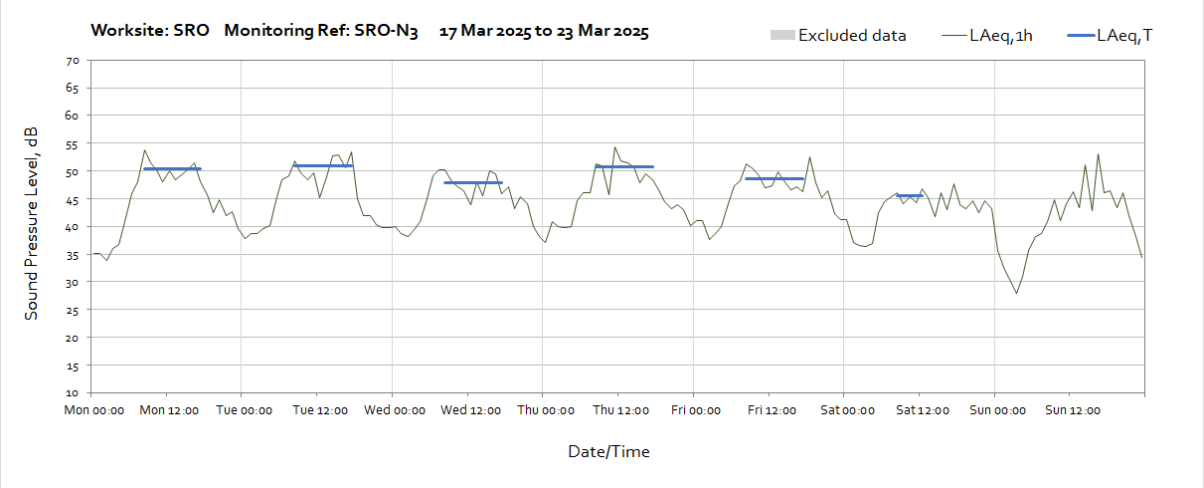
Sun 12:00
Date/Time

Worksite: SRO – Monitoring Ref: SRO-N3








Worksite: SRO Monitoring Ref: SRO-N3 17 Mar 2025 to 23 Mar 2025
Excluded data
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LAeq,T
Sound Pressure Level, dB
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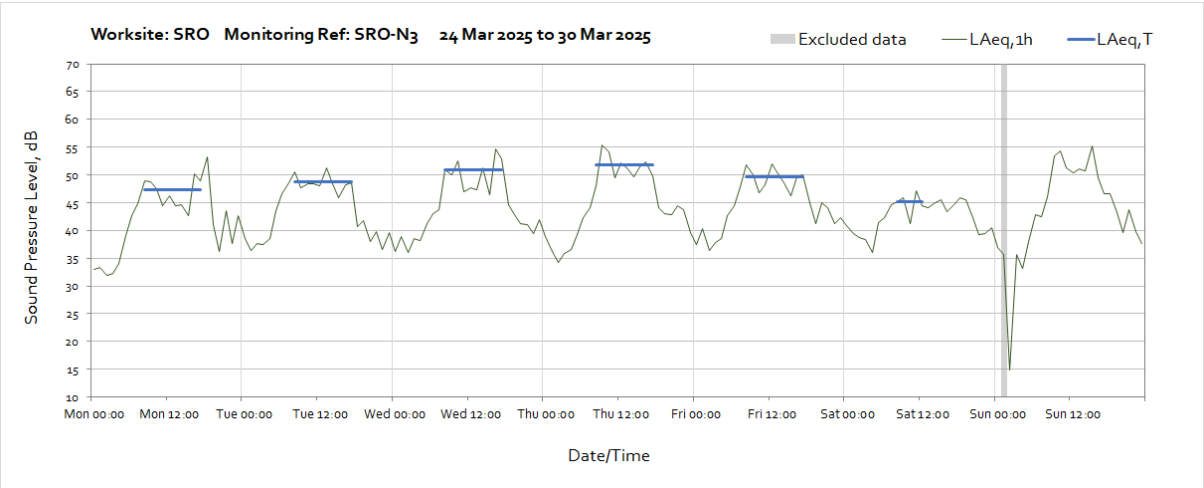
Date/Time


Worksite: SRO Monitoring Ref: SRO-N3 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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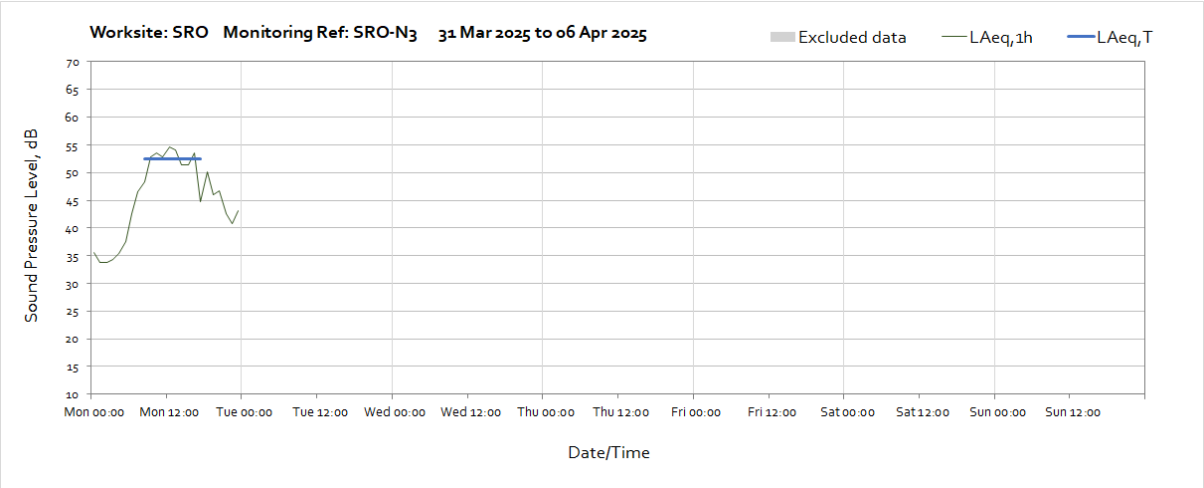
Sun 12:00
Date/Time


Worksite: SRO Monitoring Ref: SRO-N3 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
70
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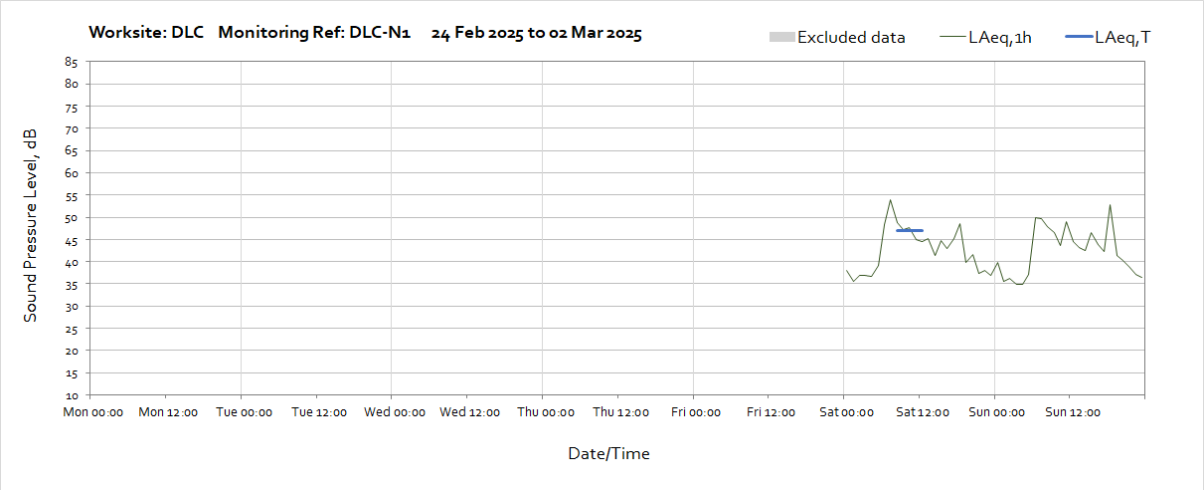
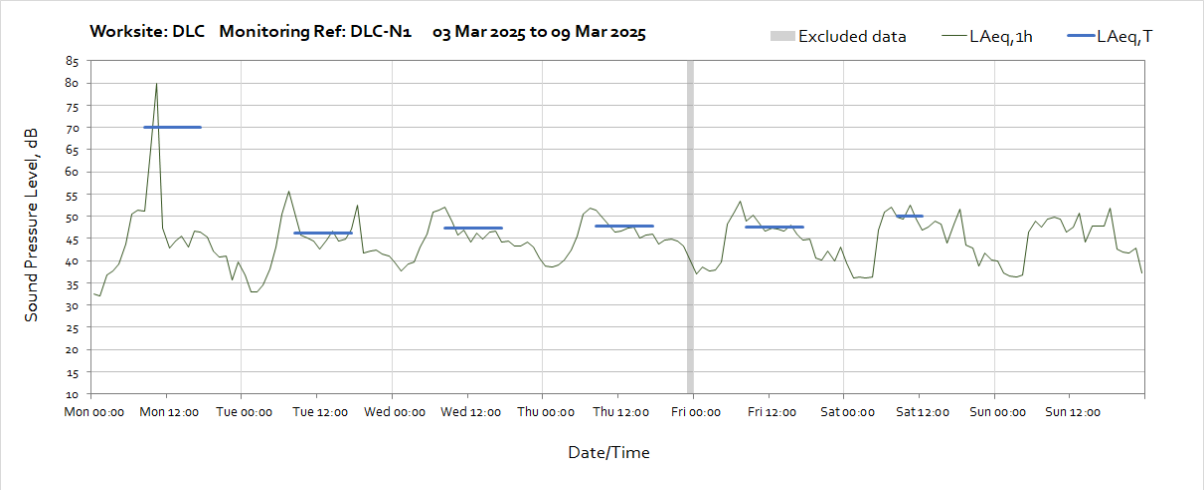
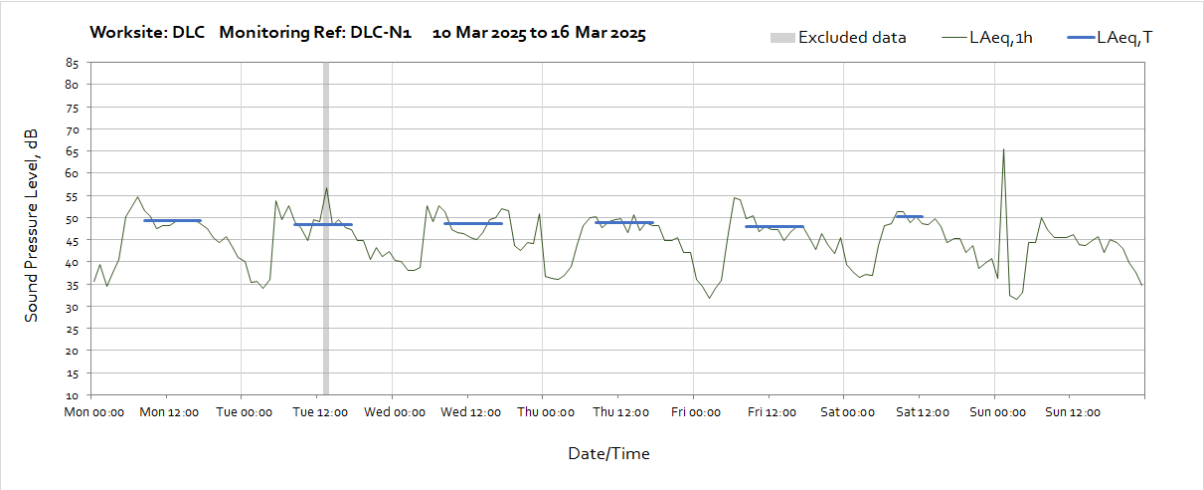
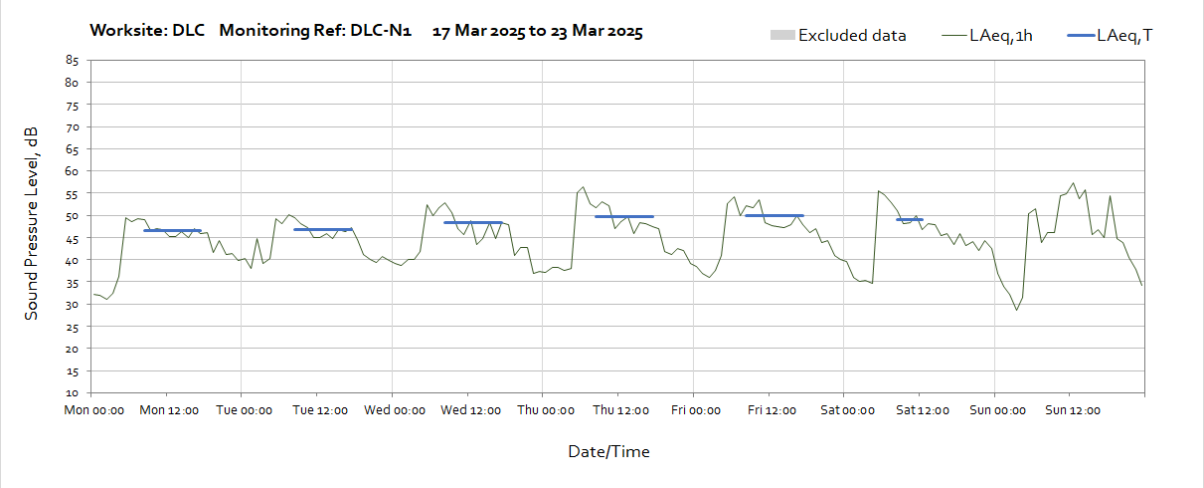
Date/Time

Worksite: DLC – Monitoring Ref: DLC-N1








Worksite: DLC Monitoring Ref: DLC-N1 17 Mar 2025 to 23 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
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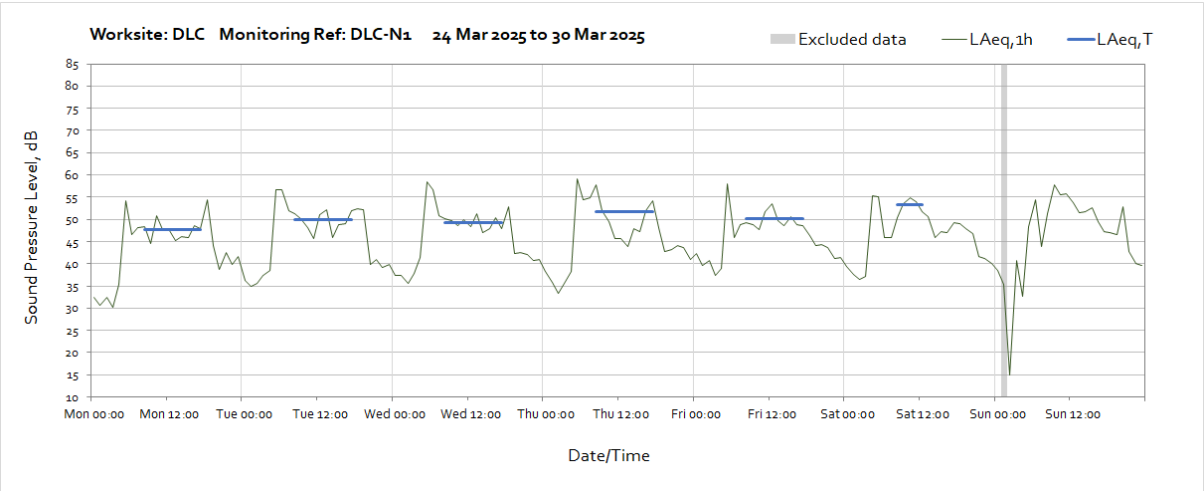
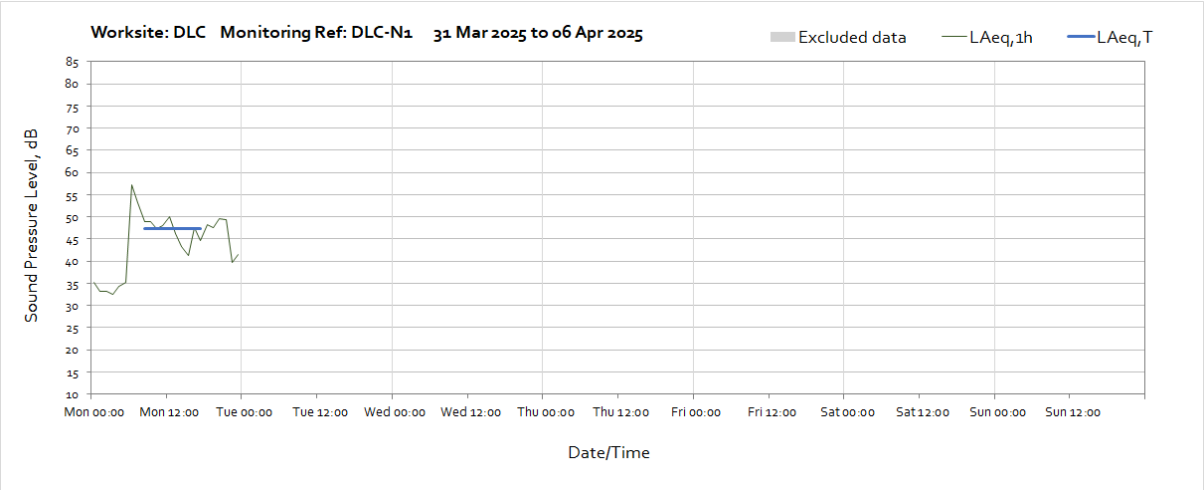
Sun 12:00
Date/Time

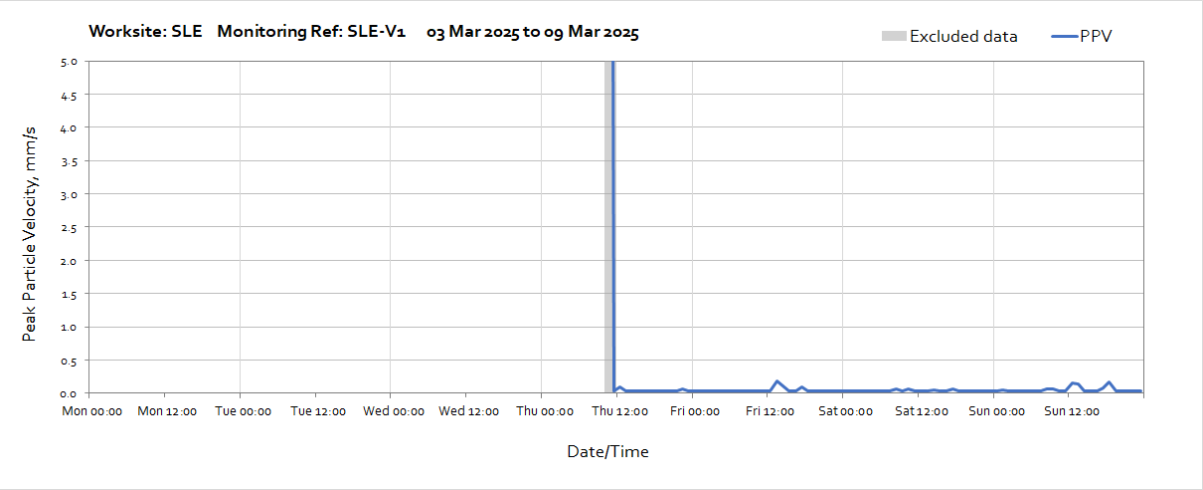

Worksite: DLC Monitoring Ref: DLC-N1 24 Mar 2025 to 30 Mar 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time


Worksite: DLC Monitoring Ref: DLC-N1 31 Mar 2025 to 06 Apr 2025
Excluded data
LAeq,1h
LAeq,T
Sound Pressure Level, dB
85
80
75
70
65
60
55
50
45
40
35
30
25
20
15
10
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

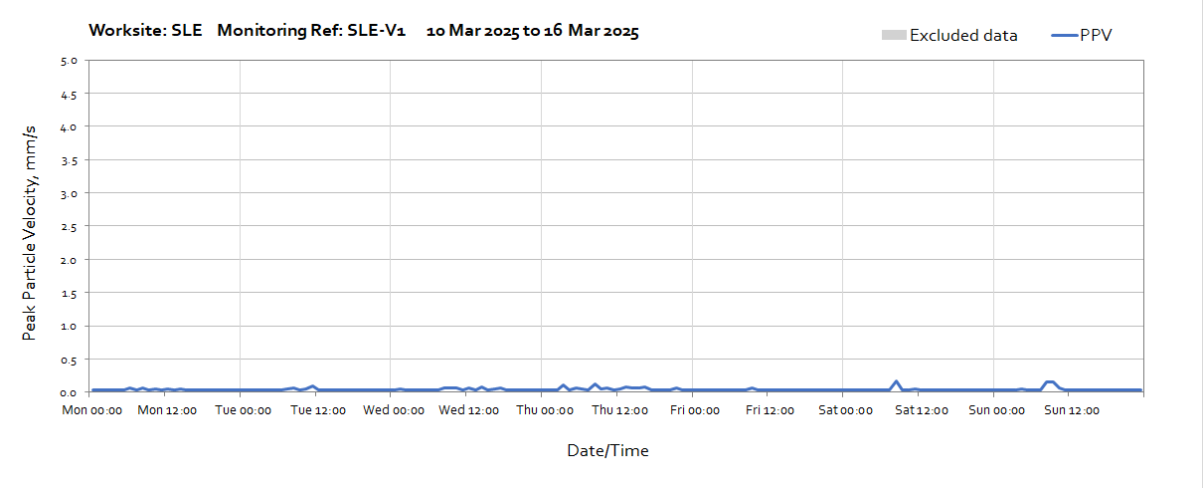
Vibration

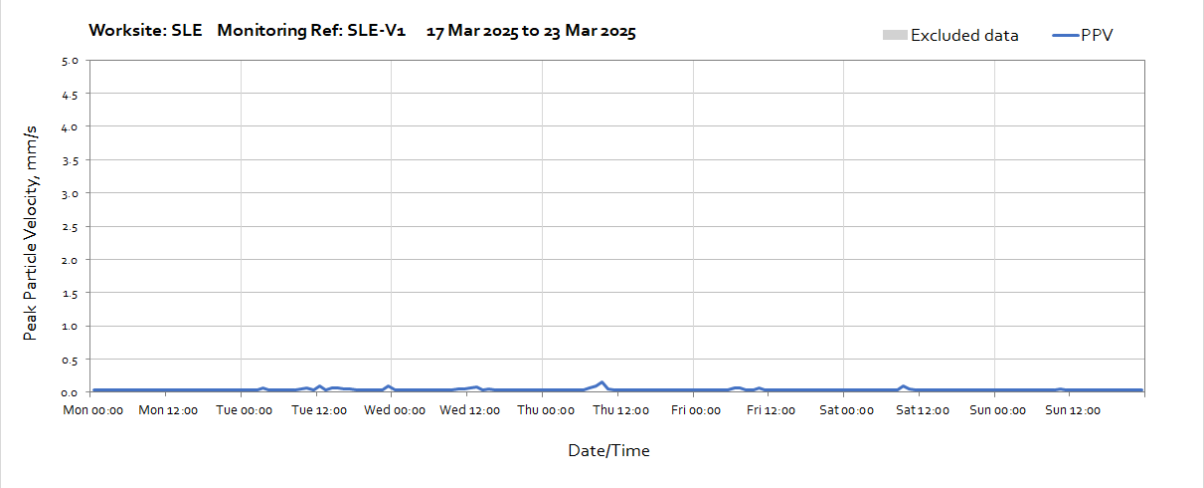
The following graphs show the hourly measured peak particle velocity PPV recorded during the monitoring period. The graphs show the highest PPV of the three orthogonal axes x, y and z. Periods where PPV values have been affected by local interference with the vibration monitor or only measured for part of the period, which are not representative of HS2 construction works, have been greyed out and excluded when calculating values in Table 4 of the main report.

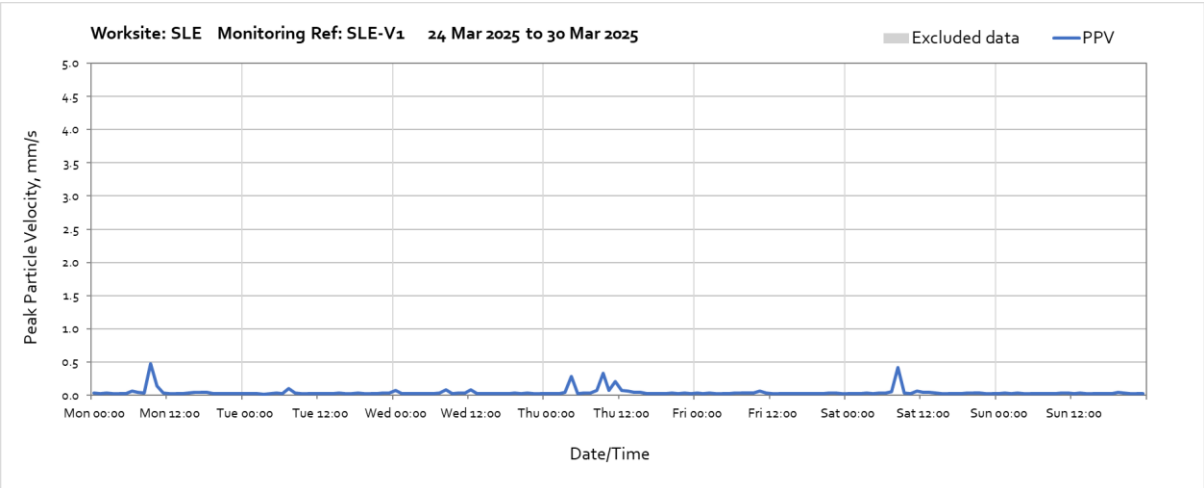
Worksite: SLE – Monitoring Ref: SLE-V1

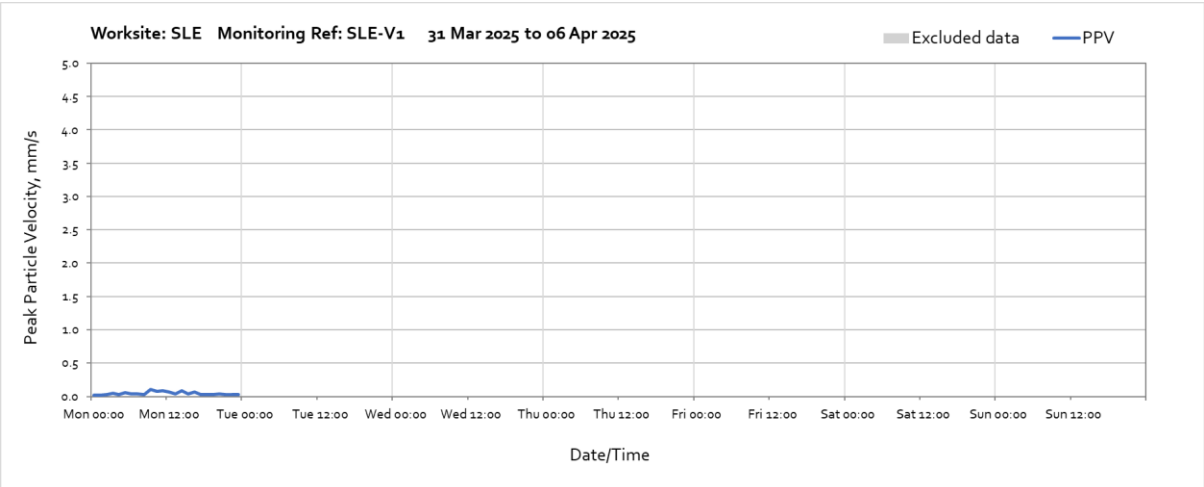


Note: Missing data between the start of the month and 09:00 on Thursday 6th March was due to a loss of power to the monitoring station caused by a solar panel controller issue.

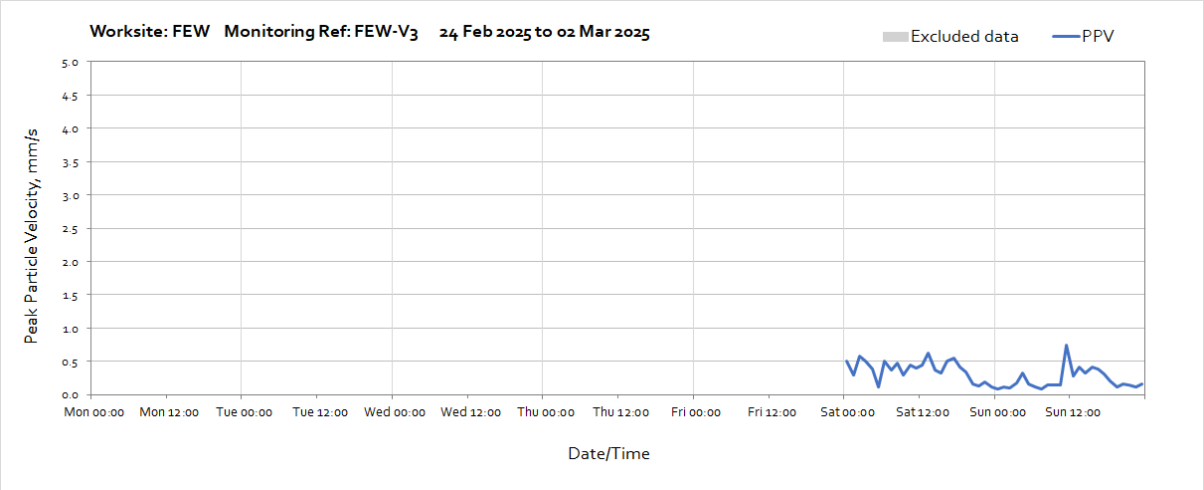


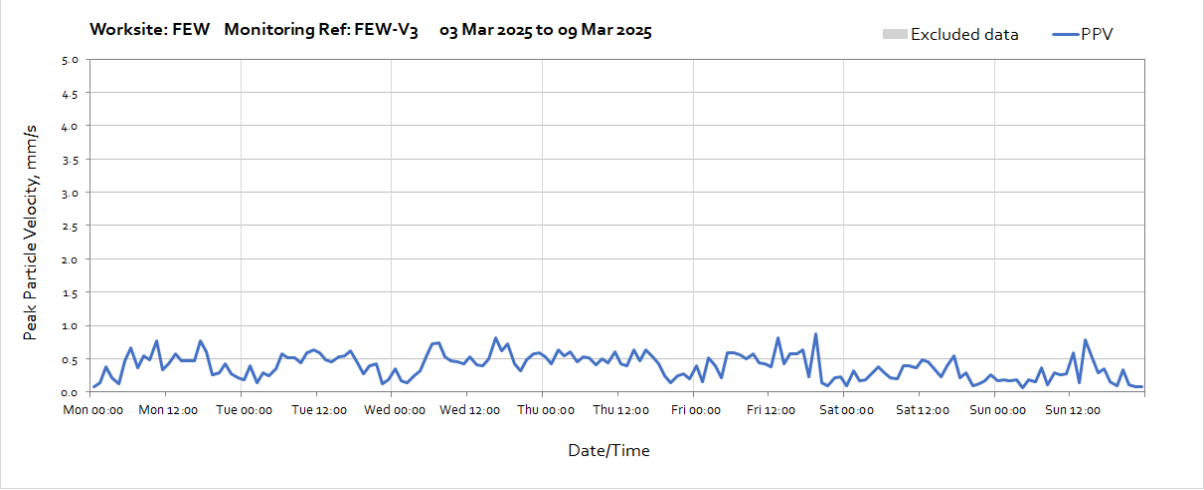

Worksite: SLE Monitoring Ref: SLE-V1 17 Mar 2025 to 23 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

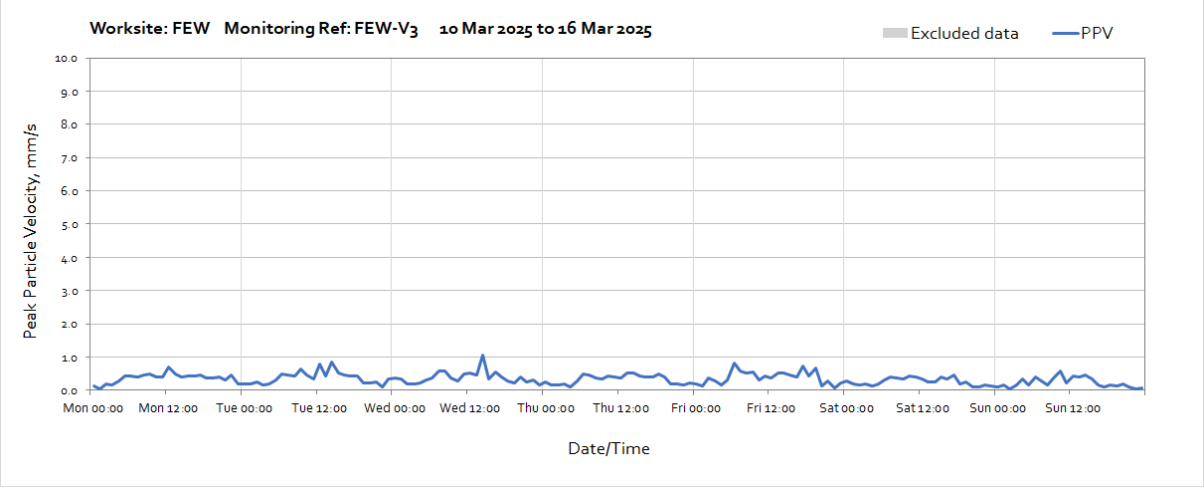

Worksite: SLE Monitoring Ref: SLE-V1 24 Mar 2025 to 30 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

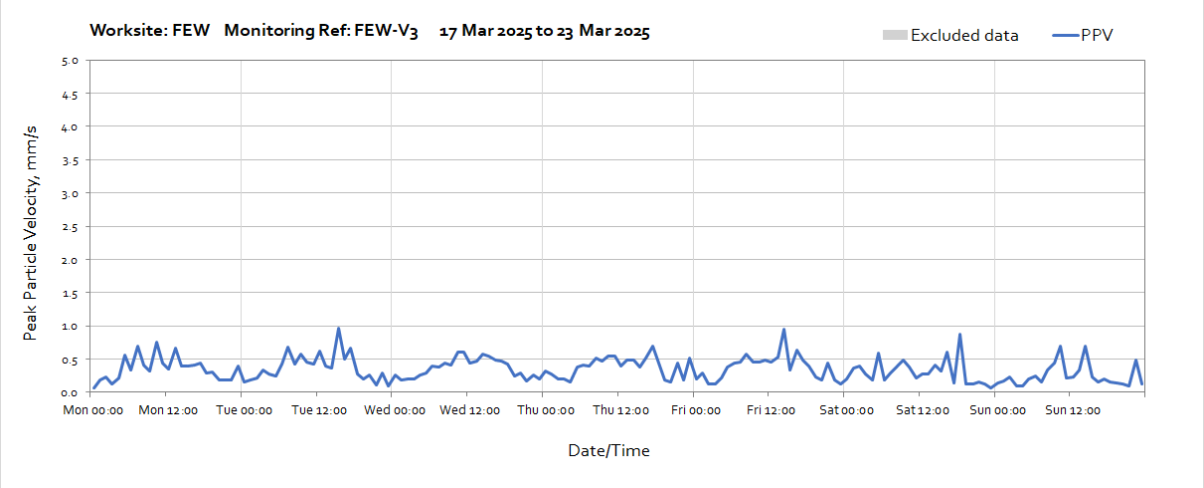

Worksite: SLE Monitoring Ref: SLE-V1 31 Mar 2025 to 06 Apr 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

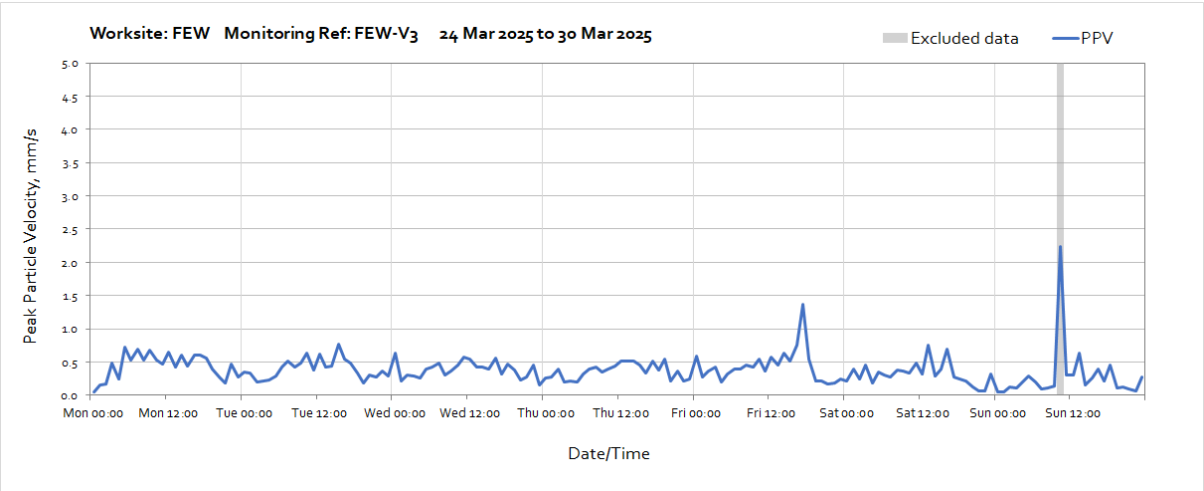
Worksite: FEW – Monitoring Ref: FEW-V3

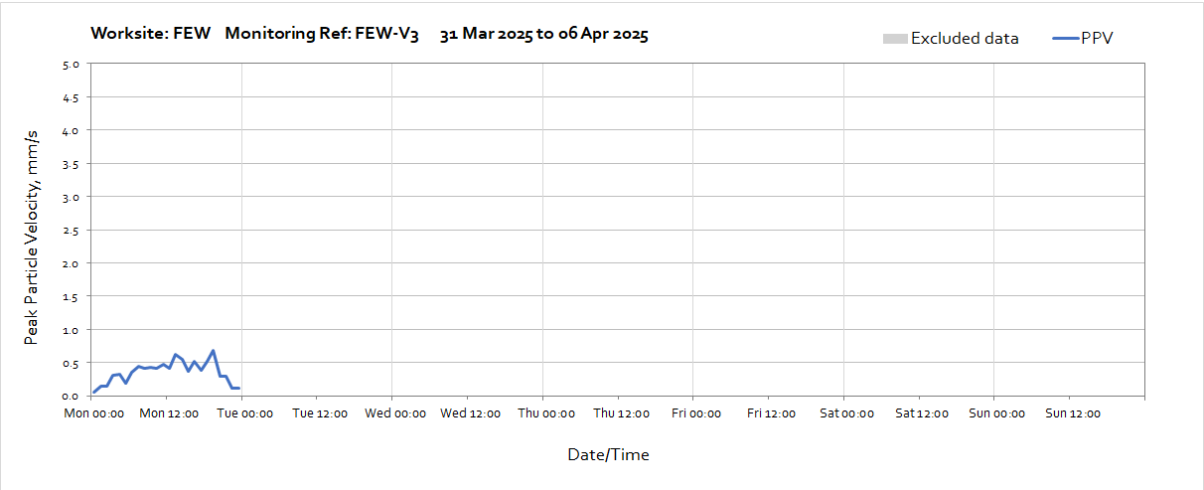




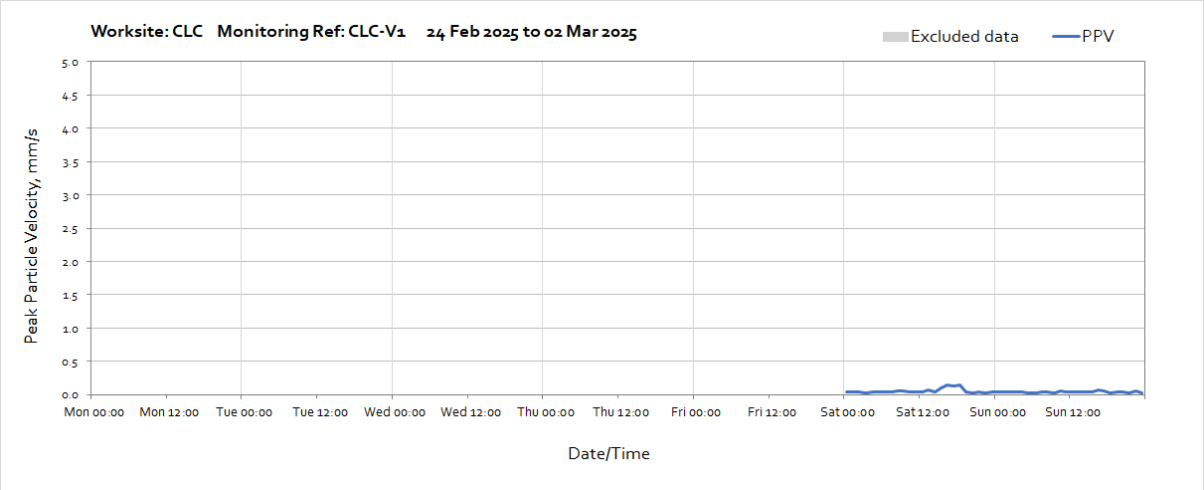


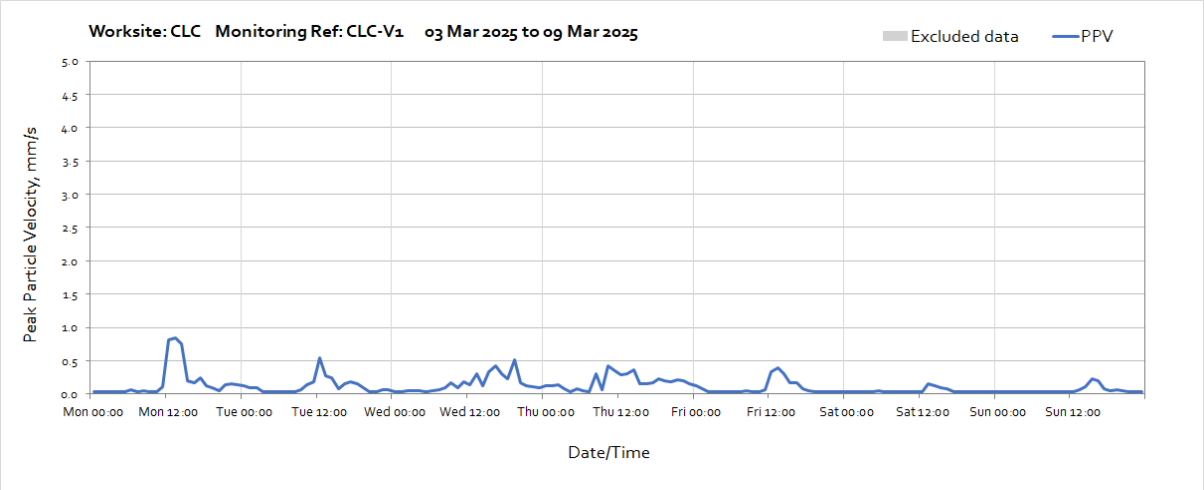

Worksite: FEW Monitoring Ref: FEW-V3 17 Mar 2025 to 23 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

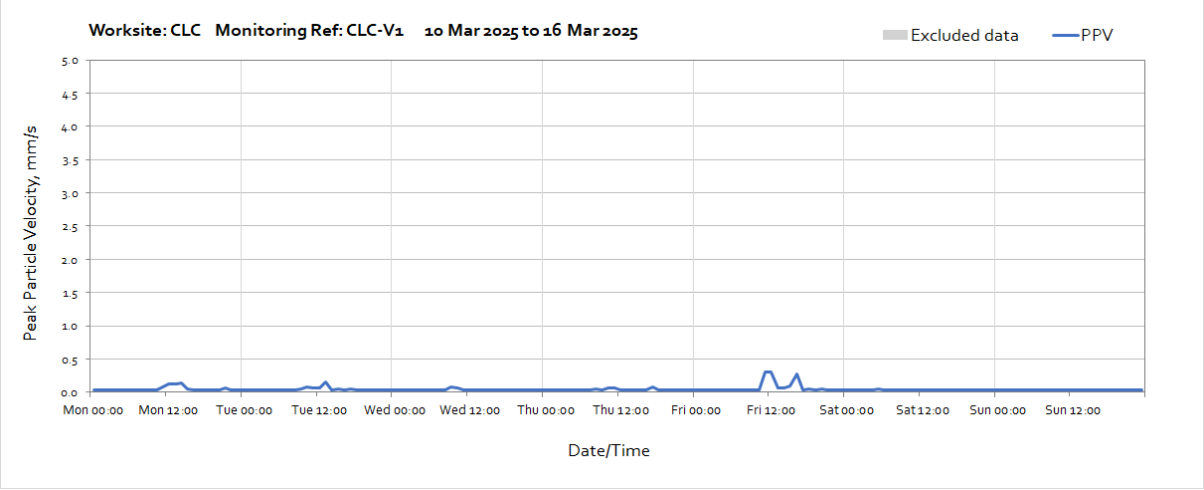

Worksite: FEW Monitoring Ref: FEW-V3 24 Mar 2025 to 30 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

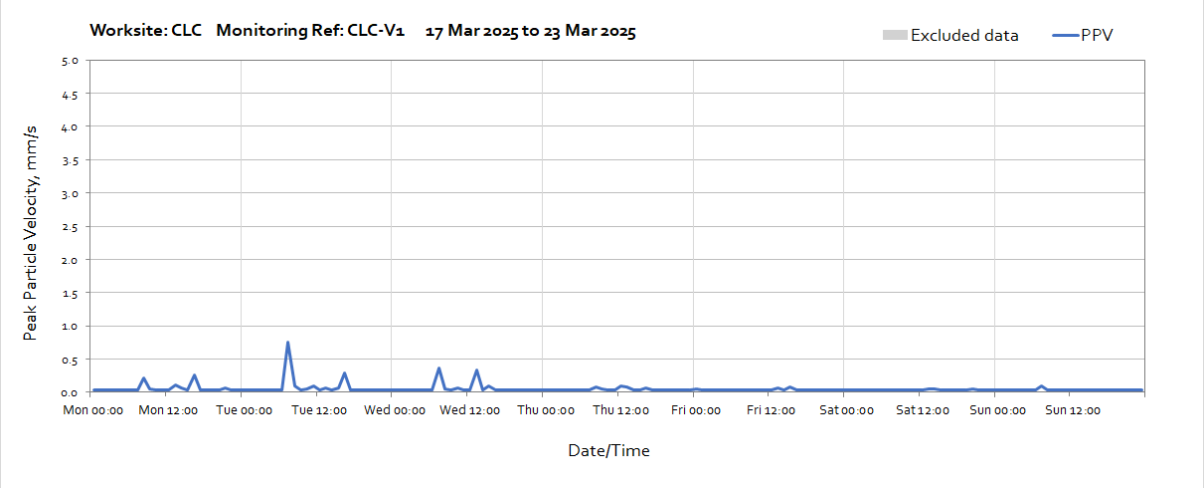

Worksite: FEW Monitoring Ref: FEW-V3 31 Mar 2025 to 06 Apr 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

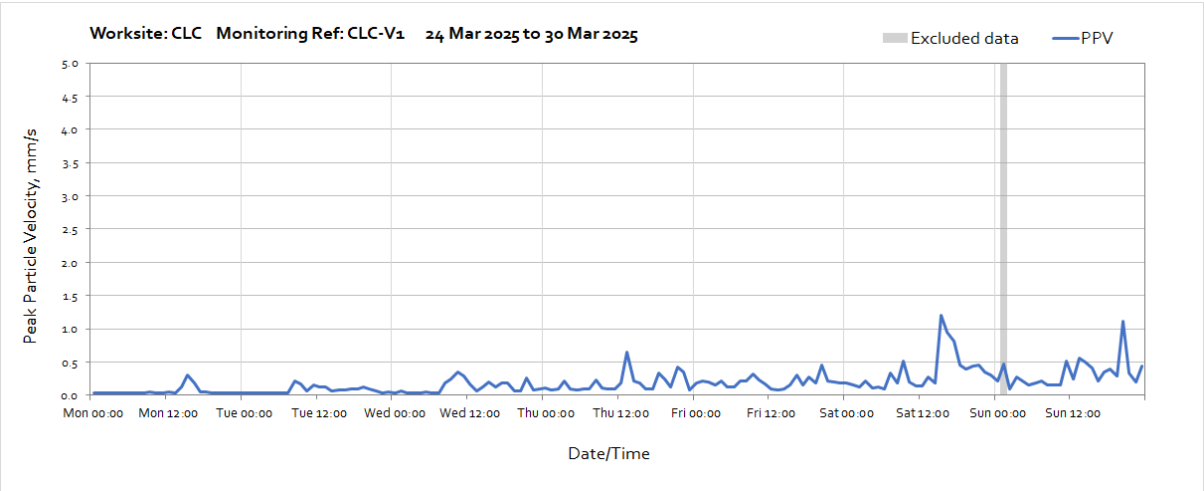
Worksite: CLC – Monitoring Ref: CLC-V1

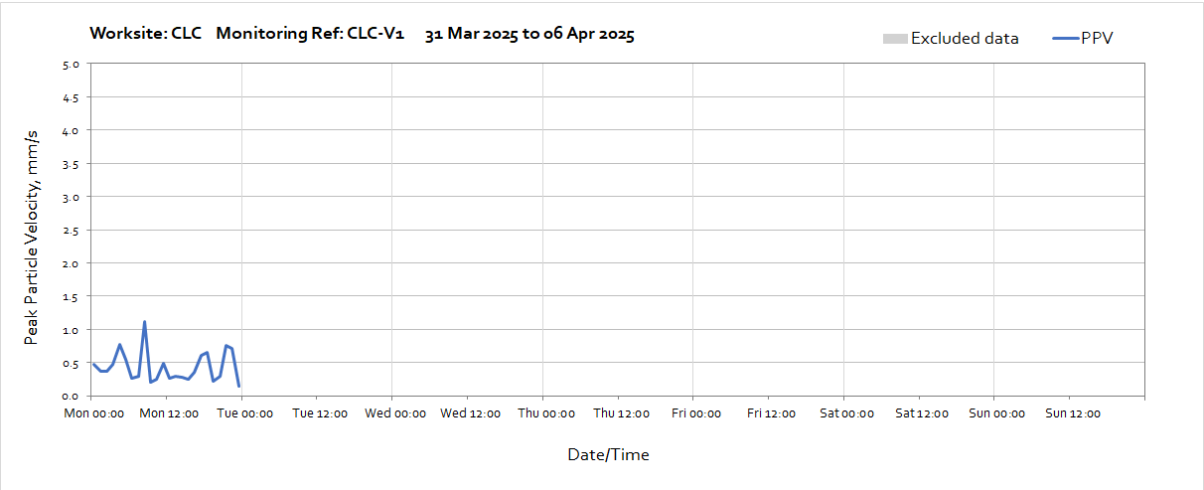




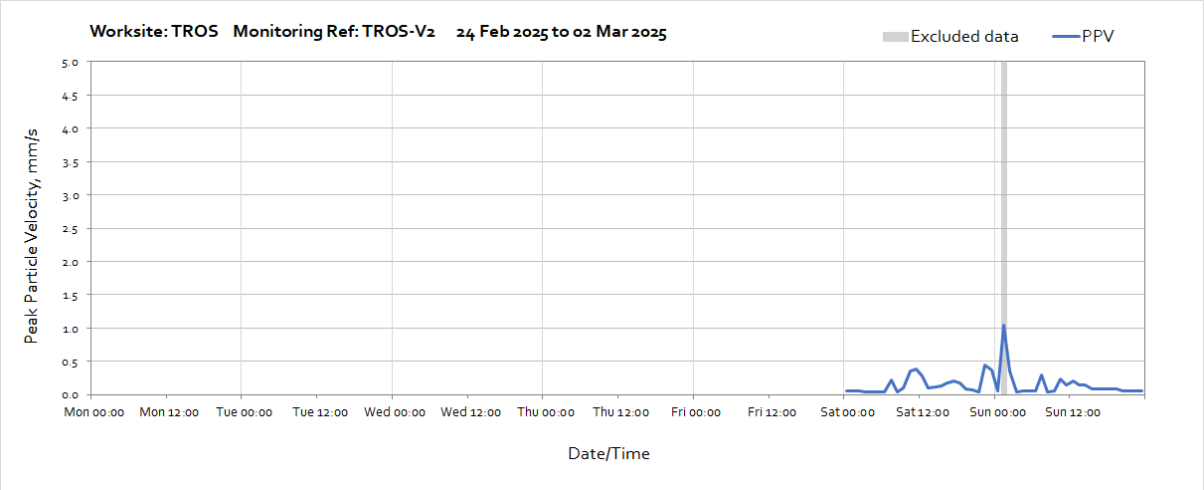


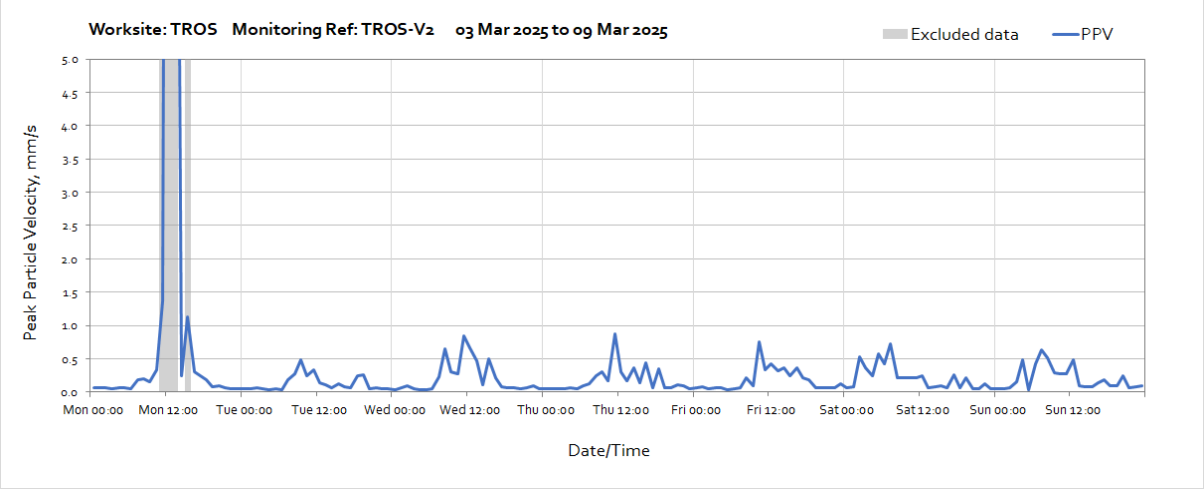

Worksite: CLC Monitoring Ref: CLC-V1 17 Mar 2025 to 23 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

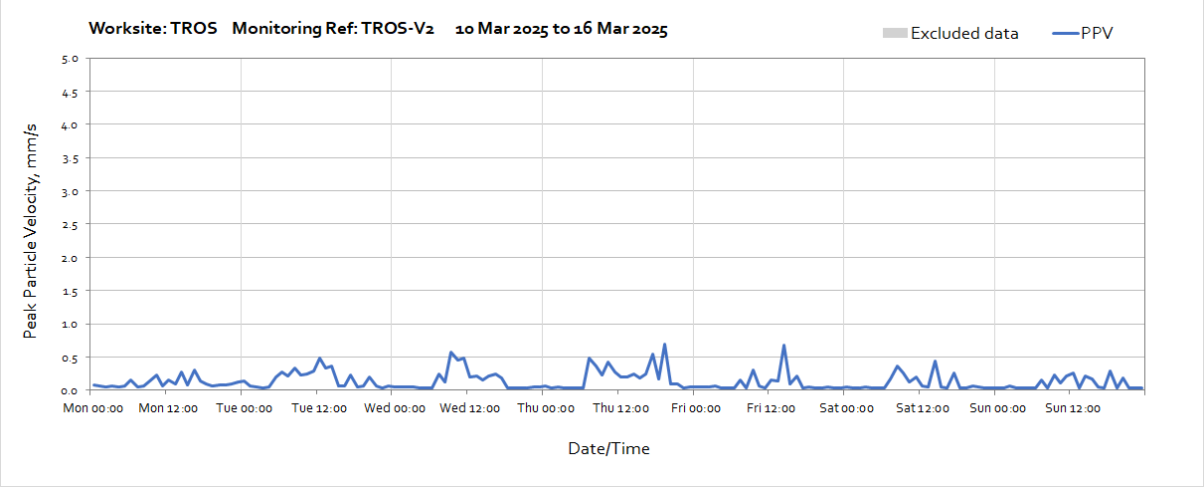

Worksite: CLC Monitoring Ref: CLC-V1 24 Mar 2025 to 30 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

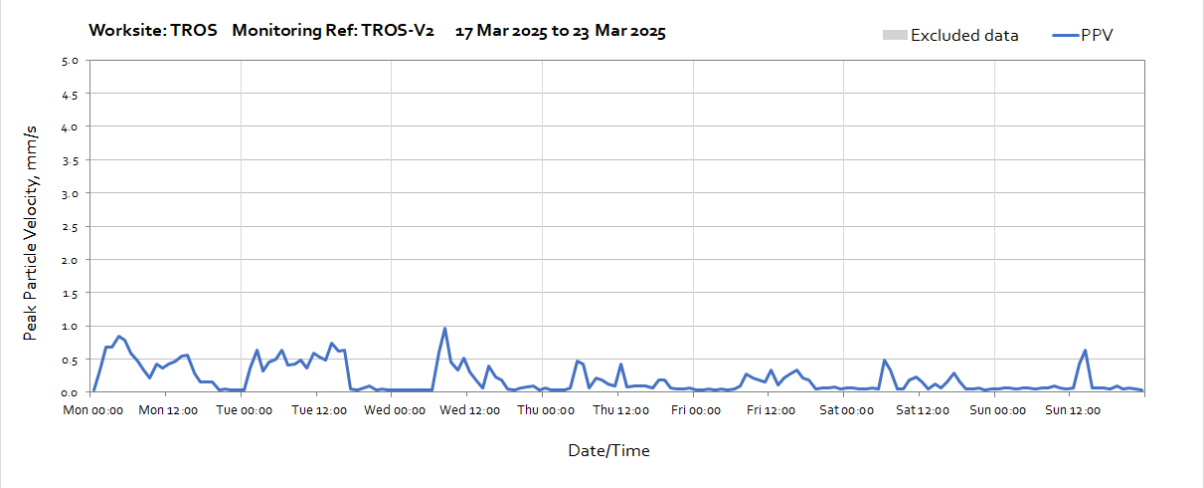

Worksite: CLC Monitoring Ref: CLC-V1 31 Mar 2025 to 06 Apr 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

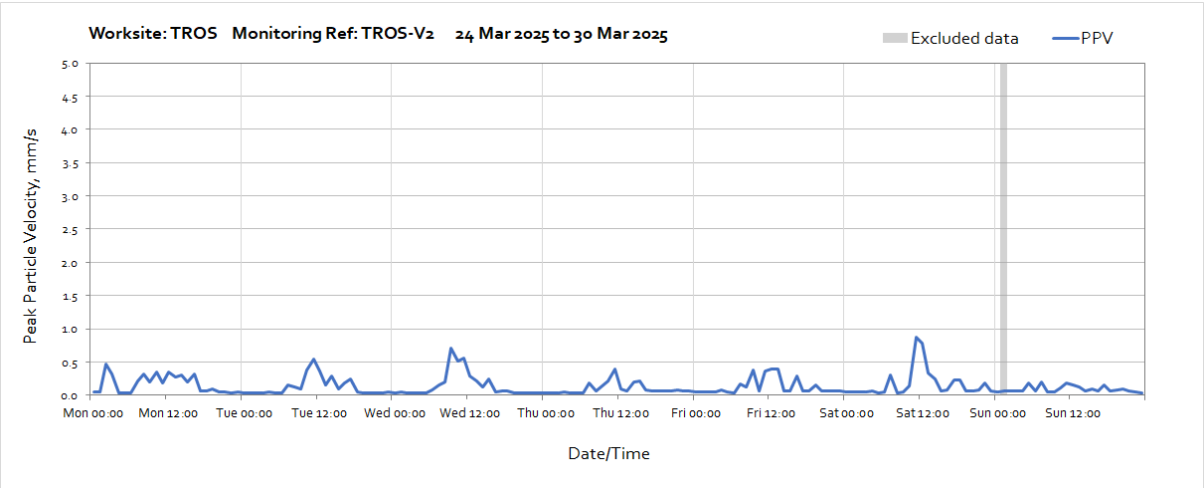
Worksite: TROS – Monitoring Ref: TROS-V2

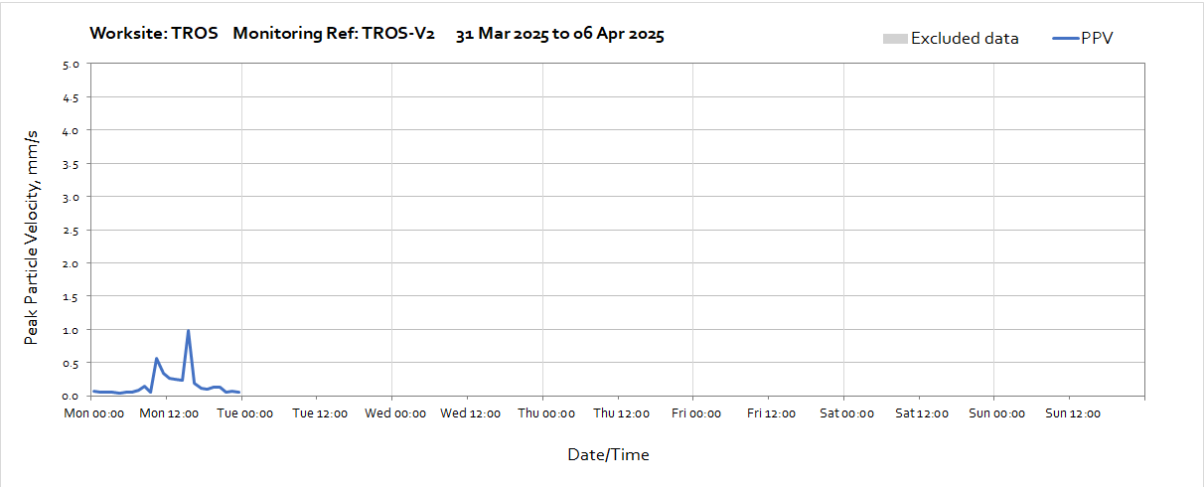




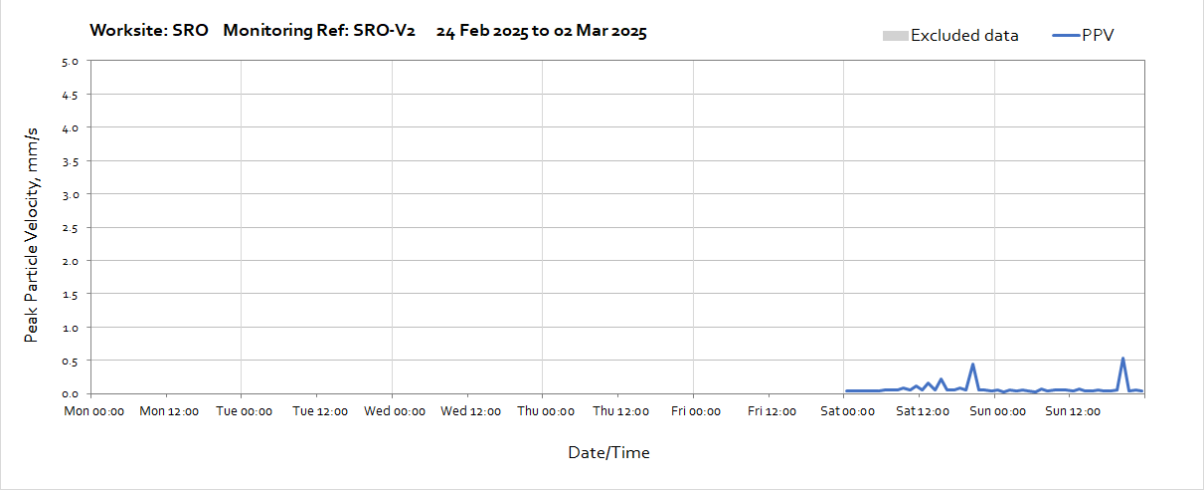


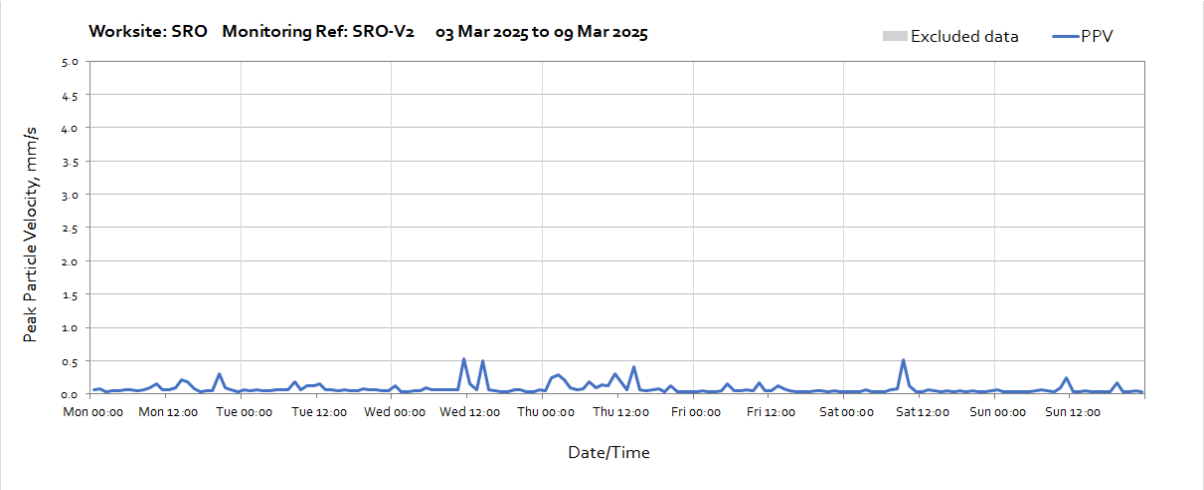

Worksite: TROS Monitoring Ref: TROS-V2 17 Mar 2025 to 23 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

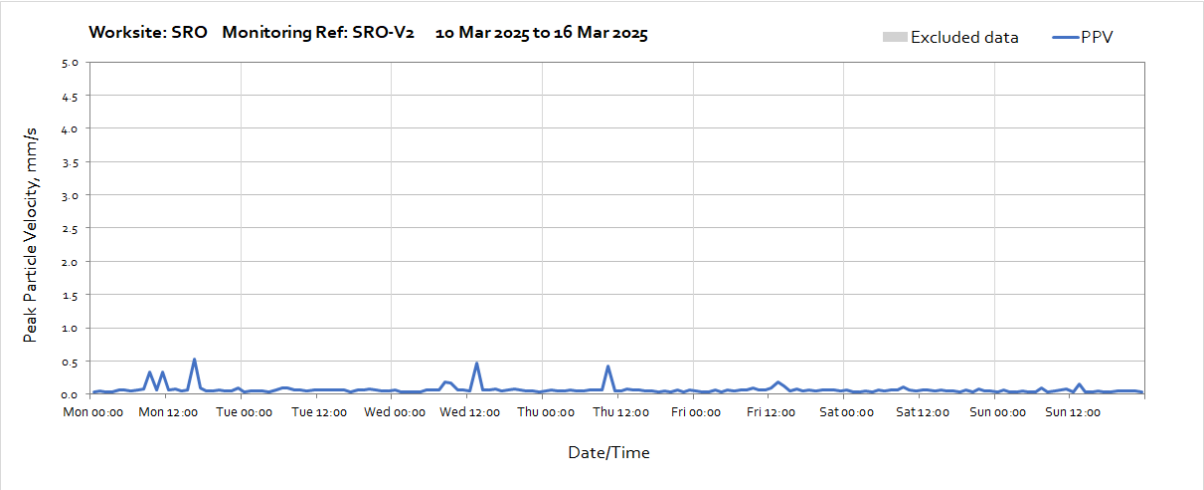

Worksite: TROS Monitoring Ref: TROS-V2 24 Mar 2025 to 30 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

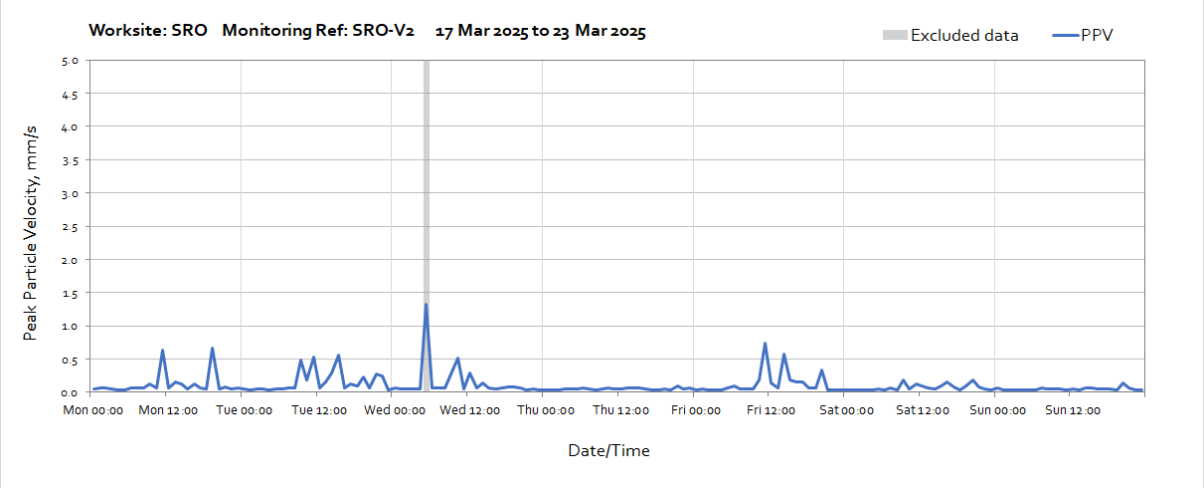

Worksite: TROS Monitoring Ref: TROS-V2 31 Mar 2025 to 06 Apr 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

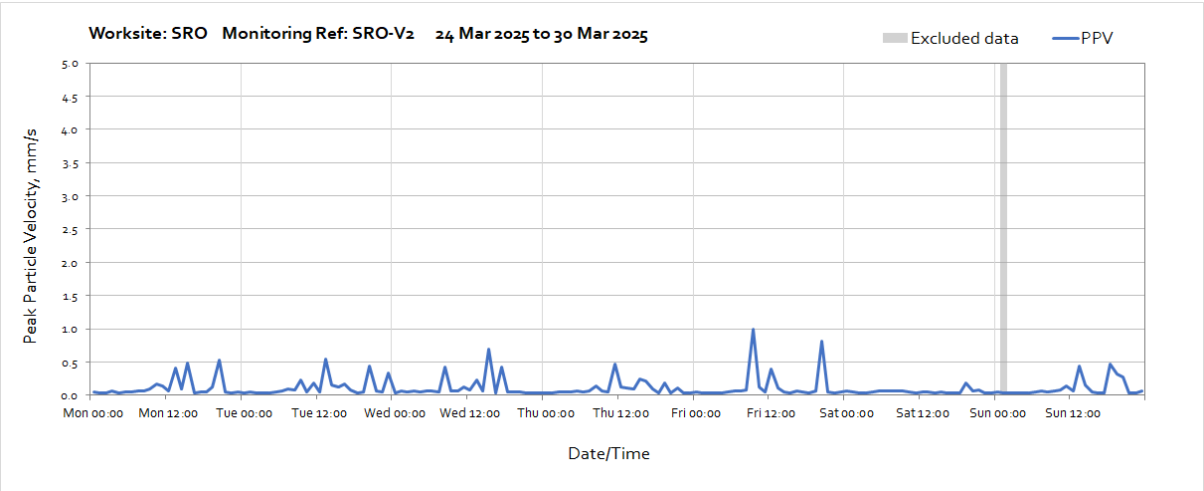
Worksite: SRO – Monitoring Ref: SRO-V2

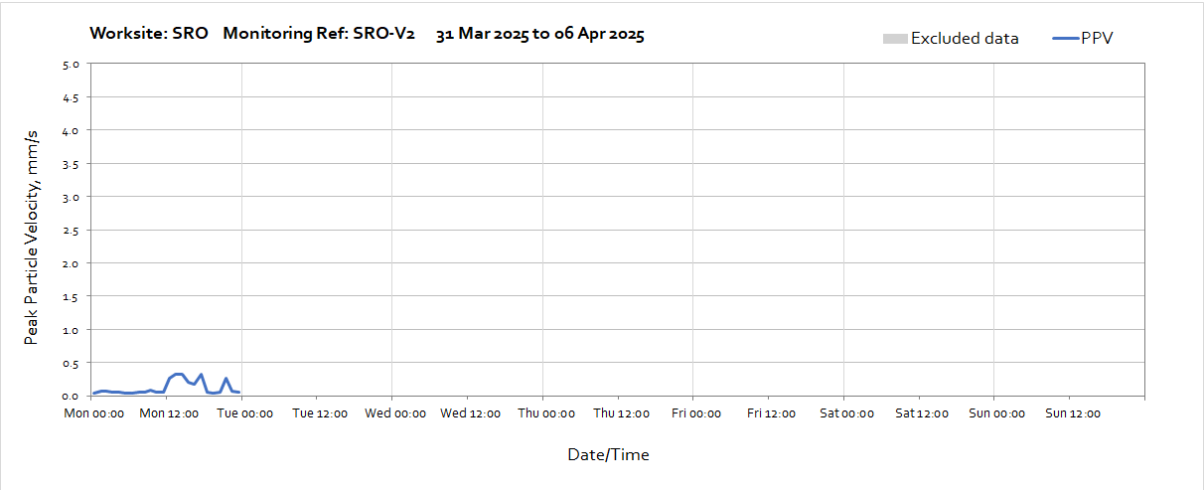




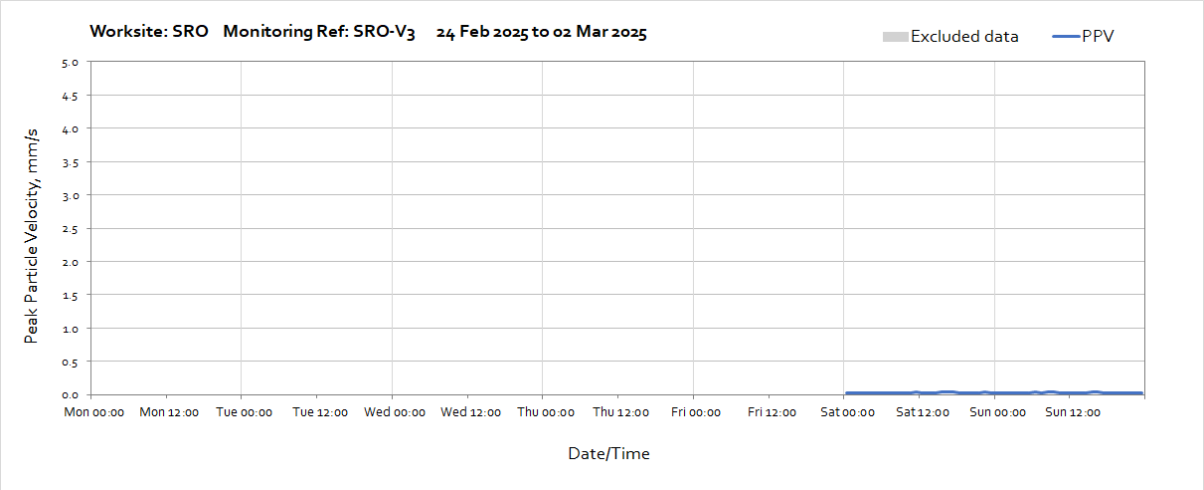


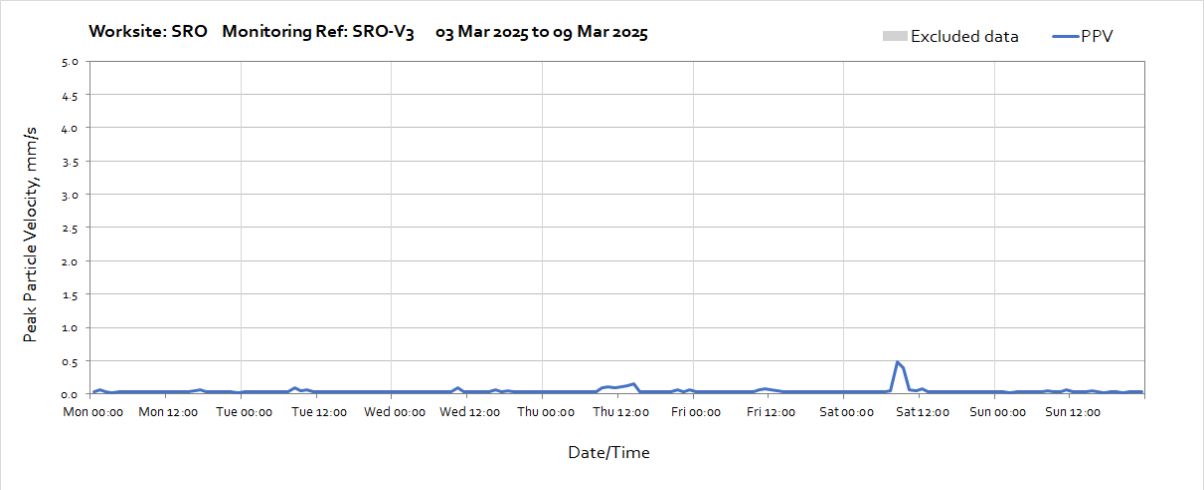

Worksite: SRO Monitoring Ref: SRO-V2 17 Mar 2025 to 23 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

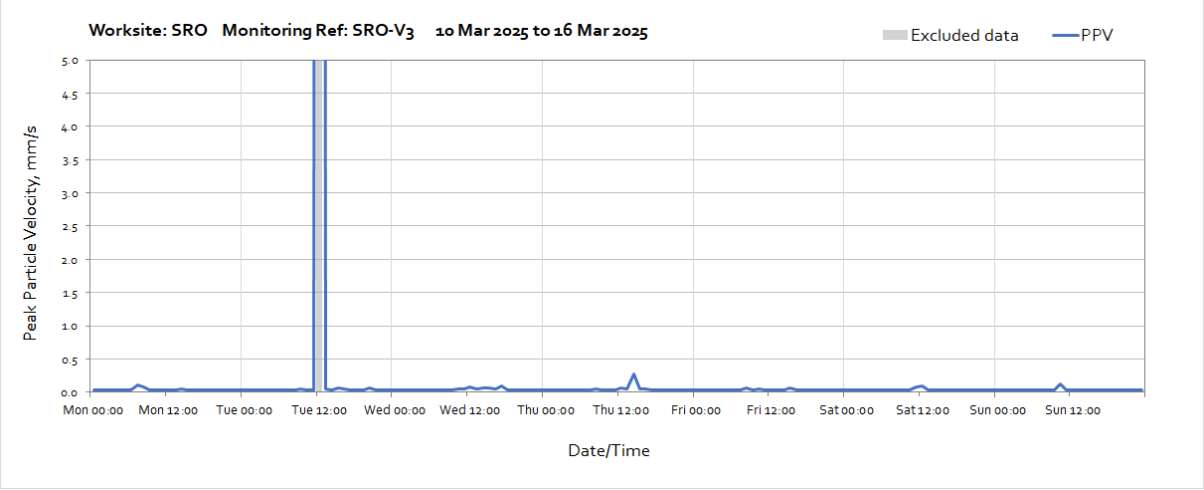

Worksite: SRO Monitoring Ref: SRO-V2 24 Mar 2025 to 30 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

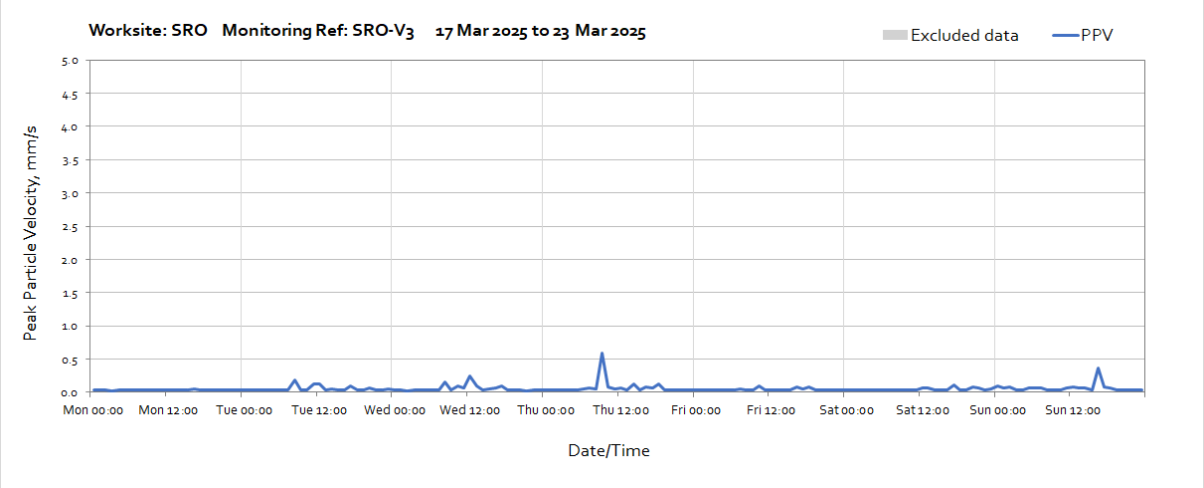

Worksite: SRO Monitoring Ref: SRO-V2 31 Mar 2025 to 06 Apr 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time

Worksite: SRO – Monitoring Ref: SRO-V3








Worksite: SRO Monitoring Ref: SRO-V3 17 Mar 2025 to 23 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
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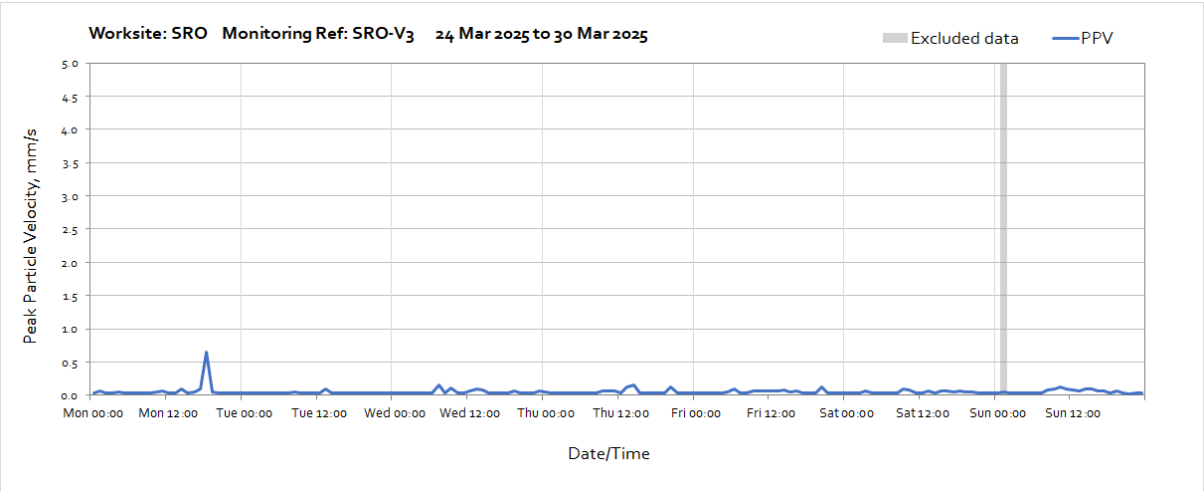
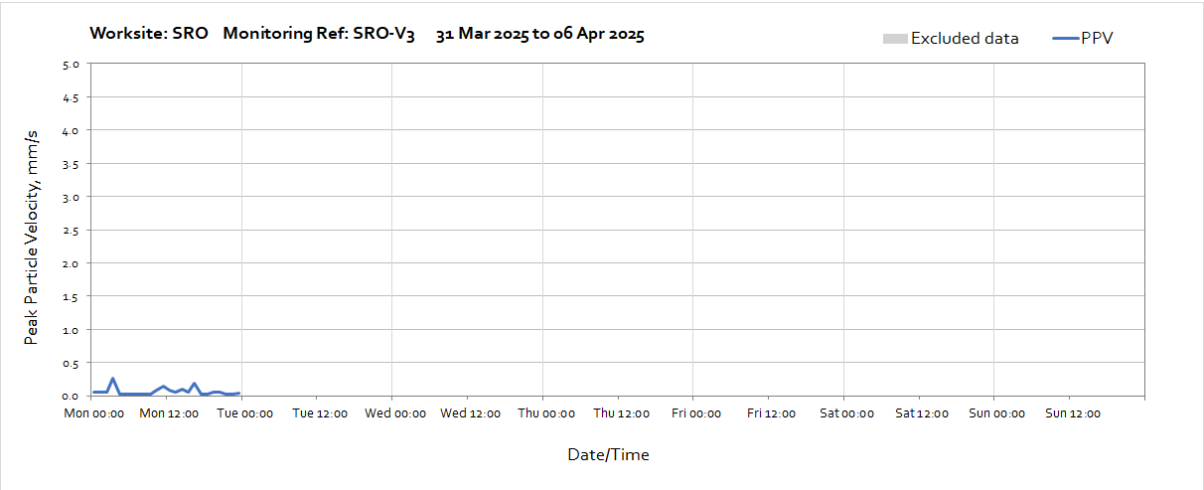
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time


Worksite: SRO Monitoring Ref: SRO-V3 24 Mar 2025 to 30 Mar 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
Thu 00:00
Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time


Worksite: SRO Monitoring Ref: SRO-V3 31 Mar 2025 to 06 Apr 2025
Excluded data
PPV
Peak Particle Velocity, mm/s
5.0
4.5
4.0
3.5
3.0
2.5
2.0
1.5
1.0
0.5
0.0
Mon 00:00
Mon 12:00
Tue 00:00
Tue 12:00
Wed 00:00
Wed 12:00
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Thu 12:00
Fri 00:00
Fri 12:00
Sat 00:00
Sat 12:00
Sun 00:00
Sun 12:00
Date/Time