

Protos Energy Recovery Facility Project

Noise Monitoring During Piling Works – July to October 2021

The attached document provides a summary of continuous noise monitoring undertaken during the period July – October 2021 in relation to the Protos ERF project (Protos Plot 8). During this period precast concrete piling works were ongoing alongside other civil construction works.

The noise limits and working hours applicable to the works on Plot 8 are defined as follows:

Noise arising from on-site construction activities shall not exceed 65 dB LAeq, 1h when measured at any residential receptors except for:

- Limited construction works: Monday – Saturday, 19:00 – 23:00 – 45 dB LAeq (5 minutes)
- Limited construction works: Monday – Saturday, 23:00 – 07:00 – 42 dB LAeq (5 minutes)
- Limited construction works: Sundays, Public and Bank Holidays, 07:00- 07:00 – Receptor R2, R7, R8 and R10 (ES 2016) – 42dB LAeq(5mins); Receptor R1(ES 2016) – 45dB LAeq(5mins)

Piling shall be limited to the following hours Monday to Friday – 07.30 – 18.00 and Saturday, 08.00 – 13.30. No piling works shall occur on Sundays, public and Bank Holidays.

For all other construction works: Monday – Saturday, 07:00 – 19:00

Limited construction works only are permitted outside these hours.

The charts in the attached document show the average daytime (07:00 – 19:00) measured noise levels for days when work has been carried out at the site. The horizontal red line on the charts shows the applicable noise limit of 65dBA.

One noise monitor is located at the construction site and two monitors are located at two of the residential receptors (Holme Farm, Ince and Redwood Drive, Elton), which are applicable to the above noise limits.

On occasions where the average measured noise level at the receptor locations is higher than at the construction site, this indicates that there was another source of noise closer to the receptor and therefore not attributable to the Plot 8 construction works.

 MYTILINEOS METKA SUSTAINABLE ENGINEERING SOLUTIONS	INSPECTION & TEST REPORT	 JFE Engineering Group Standardkessel Baumgarte
	GENERAL INSPECTION REPORT SITE	112001-00- YG-QFM-MET-001_01



Report No:	112001-00- YG-QFM-MET-001_01	Date of inspection:	10/11/2021
KKS/System	Sound monitoring	Drawing/PID	n/a
Participants:	Nefeli Apostolidou Georgios Apostolidis		
Description of activity:	Monitoring sound levels on three locations in and around PROTOS site at PLOT 8, Grinsome road using Sonitus systems monitors, models: EM2010, EM2030-A, EM2030.		
Summary:	<p>All monitors are calibrated by Sonitus systems and valid for the period of monitoring Monitors are recording since 09.07.2021 on a 24h/7 days per week basis. Attached are monthly graphs with the average noise level per day for each location in comparison. Following the management recommendation this report records data collected Monday to Saturday between 07:00 and 19:00hours.</p> <p style="text-align: center;">Locations of monitoring devises:</p> <ol style="list-style-type: none"> 1. Protos site, plot 8 2. Holmes Farm, Ince 3. Redwood drive, Elton <p>Site working hours for the operation of pilling rigs are 07:30-18:00 Monday to Friday and 08:00 to 13:30 on Saturdays. No operation on Sundays nor Public or Bank holidays. During 09.07.2021 to 22.10.2021 the noise level can be seen in the attachments</p>		
Attachments:	Graphs for July, August, September, October 2021		

Prepared by (signature-date): Apostolidou Nefeli 10.11.2021	QA/QC (signature-date): Reviewed 10.11.2021 Apostolidis Georgios	METKA (signature-date):
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INSPECTION & TEST REPORT



GENERAL SHOP INSPECTION REPORT

112001-00- YG-QFM-MET-001_01



Green Investment Group

Inspection photos:



Pic. 1 Click or tap here to enter text.



Pic. 2: PROTOS

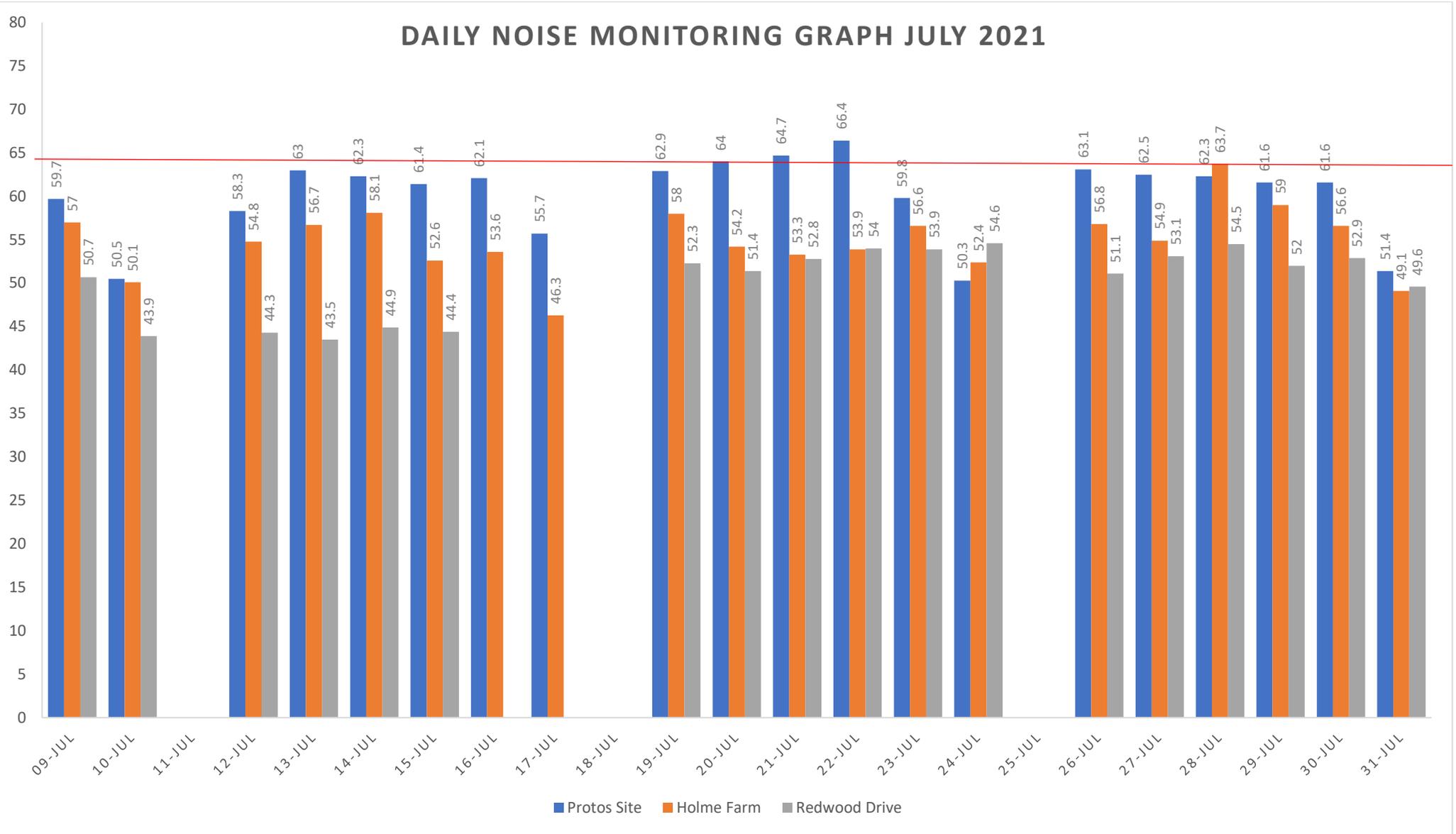


Pic. 3 HOLMES FARM

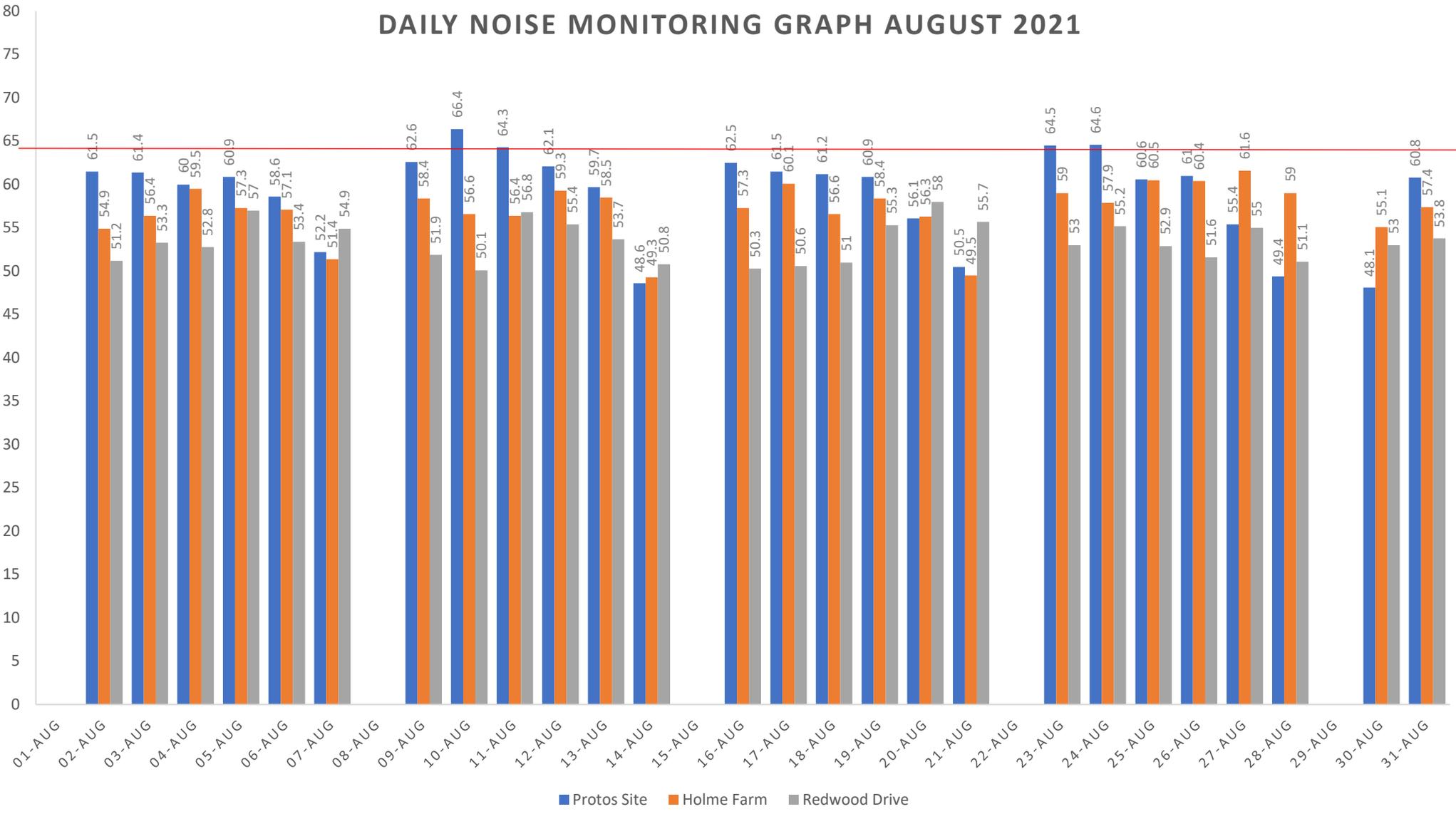


Pic. 4 REDWOOD DRIVE

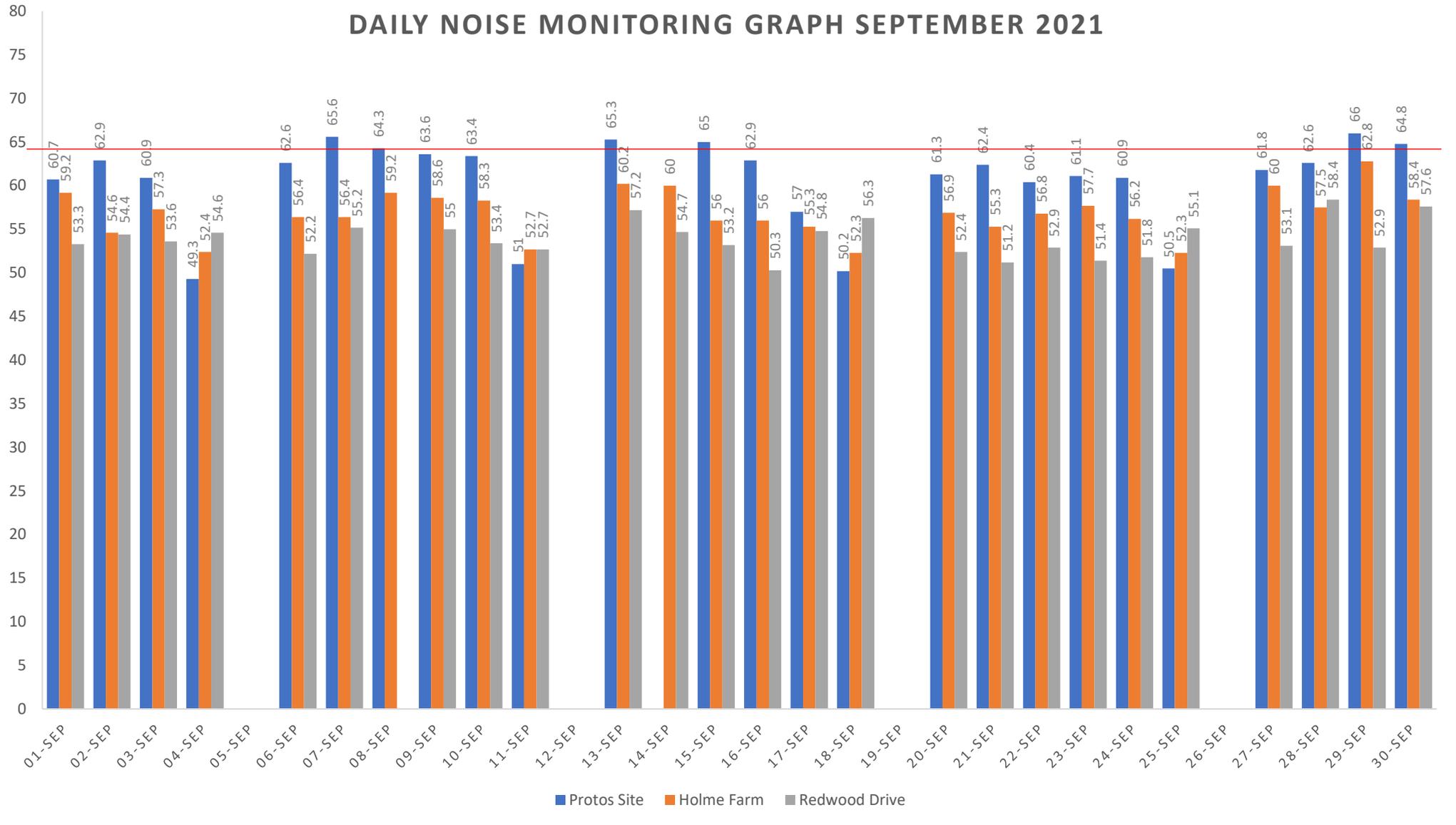
DAILY NOISE MONITORING GRAPH JULY 2021



DAILY NOISE MONITORING GRAPH AUGUST 2021



DAILY NOISE MONITORING GRAPH SEPTEMBER 2021



DAILY NOISE MONITORING GRAPH OCTOBER 2021

