

OFFICIAL



# **NOISE MONITORING MONTHLY MONITORING REPORT – SUMMARY**

## **CARNWATH ROAD RIVERSIDE (CARRR)**

**FEBRUARY 2018**

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## CARNWATH ROAD RIVERSIDE (CARRR)

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## 1 Executive summary

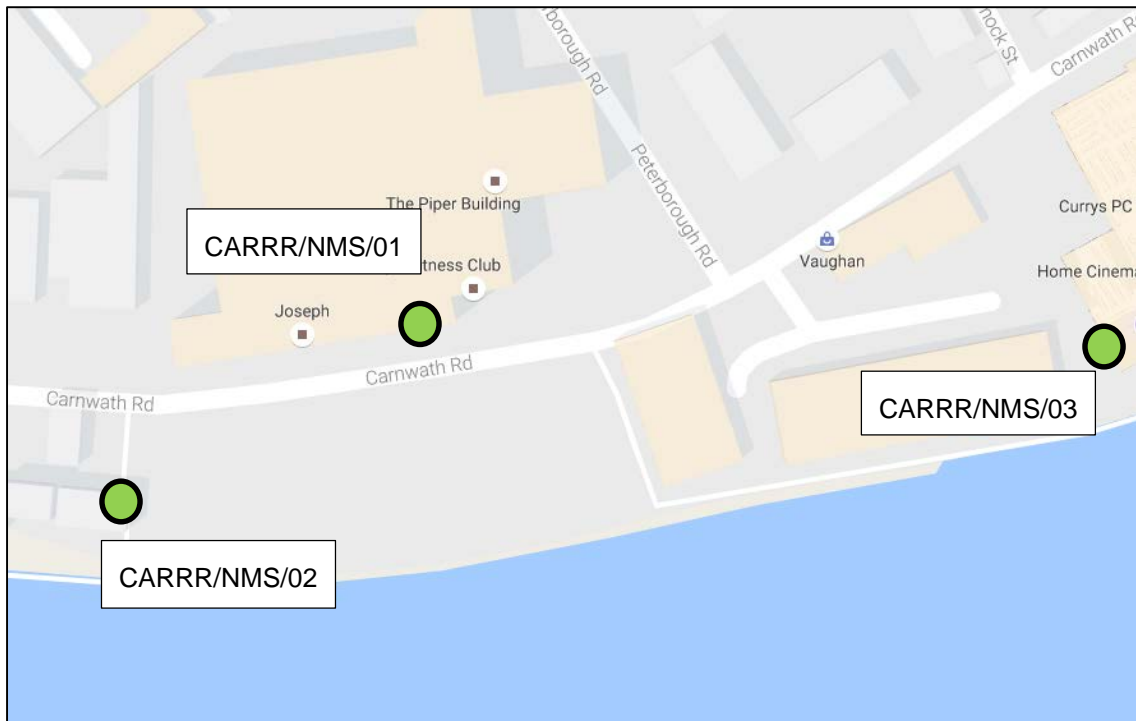
- 1.1.1 This report provides a summary of the monthly noise monitoring carried out during February 2018 at the Carnwath Road Riverside construction site.
- 1.1.2 The report covers the noise and vibration monitoring period between 07:00 hrs on the 1st February 2018 and 07:00 hrs on the 1st March 2018.
- 1.1.3 Some periods of noise monitoring data were excluded due to adverse weather conditions, i.e. high levels of wind and rain.
- 1.1.4 There were 0 exceedances of the construction thresholds during this month related to BMB/Tideway works.
- 1.1.5 Work taking place on-site during the month of February consisted of shaft excavation, river wall strengthening, concrete slab construction and office fit out.


## 2 Noise Monitoring Locations

### 2.1 Introduction

- 2.1.1 The monthly noise monitoring report presents continuous monitoring data undertaken at the monitoring locations detailed below around the Carnwath Road Riverside construction site.
- 2.1.2 The first noise monitor is located to the north of the site (CARRR/NMS/01), the second to the west (CARRR/NMS/02), and the third to the east (CARRR/NMS/03). A plan identifying the locations of all monitoring equipment is presented within Figure 2.1 below.

**Figure 2.1 Carnwath Road Noise Monitoring Locations**



Key	
	Unattended Noise Monitor

ID	Monitoring Location
-	CARRR/NMS/01
-	CARRR/NMS/02
-	CARRR/NMS/03

## 2.2 Noise Monitoring location, North of Site Noise Monitor CARRR/NMS/01

2.2.1 The noise monitor is installed on a lamppost to the north of the site approximately 4.1 m above local ground level, in a free-field position.

2.2.2 Existing ambient noise levels in the vicinity of the monitor was generally composed of the following sources:

- a. Road Traffic on Carnwath Road

2.2.3 Details of the monitoring equipment are presented within Table 2.1 below.

**Table 2.1 – Equipment Details CARRR/NM/1**

Equipment	Make & Model	Serial Number
Sound Level Meter	Rion NL-52	00464685

### Results

2.2.4 A summary of measured noise levels over the reporting period including the typical (mode) hourly level for weekdays, Saturday, Sunday and night-time are presented in Table 2.2 below.

2.2.5 There were 0 exceedances of the construction thresholds during this month related to BMB/Tideway works.

**Table 2.2 Monthly Noise Monitoring Summary**

Day	Time	Averaging period	L <sub>Aeq,T</sub> dB	L <sub>Amax</sub> dB	L <sub>A01</sub> dB	L <sub>A90</sub> dB
Monday to Friday	7am-8am	1 hour	70	88	-	-
	8am-6pm	10 hour	70	-	-	-
	6pm-7pm	1 hour	66	86	-	-
	7pm-10pm	1 hour	66	86	-	-
	Typical hourly level (day)	Mode	69	-	-	-
Saturday	7am-8am	1 hour	66	86	-	-
	8am-1pm	5 hour	70	-	-	-
	1pm-2pm	1 hour	70	88	-	-
	2pm-10pm	1 hour	68	87	-	-
	Typical hourly level (Saturday)	Mode	70	-	-	-
Sunday	7am-10 pm	1 hour	67	87	-	-
	Typical hourly level (Sunday)	Mode	68	-	-	-
All days	10pm-7am	1 hour	60	81	-	-
	Typical hourly level (night)	Mode	57	-	-	-

\* Denotes a range featuring two or more modal values where mean average has been used instead

\*\* Denotes a range in which all values are unique where mean average has been used instead

## 2.3 Noise Monitoring location, West of Site, Noise Monitor CARRR/NMS/02

2.3.1 The noise monitor is installed to the west of the site approximately 4.9 m above local ground level, approximately 3.6 m from the nearest facade, in a free-field position.

2.3.2 Existing ambient noise levels in the vicinity of the monitor was generally composed of the following sources:

- a. Road traffic on Carnwath Road
- b. Localised industrial noise

2.3.3 Details of the monitoring equipment are presented within Table 2.3 below.

**Table 2.3 – Equipment Details CARRR/NM/2**

Equipment	Make & Model	Serial Number
Sound Level Meter	Rion NL-52	00464686

### Results

2.3.4 A summary of measured noise levels over the reporting period including the typical (mode) hourly level for weekdays, Saturday, Sunday and night-time are presented in Table 2.4 below.

2.3.5 There were 0 exceedances of the construction thresholds during this month related to BMB/Tideway works.

**Table 2.4 Monthly Noise Monitoring Summary**

Day	Time	Averaging period	L <sub>Aeq,T</sub> dB	L <sub>Amax</sub> dB	L <sub>A01</sub> dB	L <sub>A90</sub> dB
Monday to Friday	7am-8am	1 hour	57	76	-	-
	8am-6pm	10 hour	65	-	-	-
	6pm-7pm	1 hour	55	73	-	-
	7pm-10pm	1 hour	55	73	-	-
	Typical hourly level (day)	Mode	60	-	-	-
Saturday	7am-8am	1 hour	57	77	-	-
	8am-1pm	5 hour	64	-	-	-
	1pm-2pm	1 hour	57	74	-	-
	2pm-10pm	1 hour	56	75	-	-
	Typical hourly level (Saturday)	Mode	64**	-	-	-
Sunday	7am-10 pm	1 hour	55	75	-	-
	Typical hourly level (Sunday)	Mode	56	-	-	-
All days	10pm-7am	1 hour	49	66	-	-
	Typical hourly level (night)	Mode	47	-	-	-

\* Denotes a range featuring two or more modal values where mean average has been used instead

\*\* Denotes a range in which all values are unique where mean average has been used instead



## 2.4 Noise Monitoring location, East of Site Noise Monitor CARRR/NMS/03

2.4.1 The noise monitor is installed to the east of the site approximately 7.5m above local ground level, in a free-field position.

2.4.2 Existing ambient noise levels in the vicinity of the monitor was generally composed of the following sources:

- a. Road traffic on Carnwath Road

2.4.3 Details of the monitoring equipment are presented within Table 2.5 below.

**Table 2.5 – Equipment Details CARRR/NM/3**

Equipment	Make & Model	Serial Number
Sound Level Meter	Rion NL-52	00464687

### Results

2.4.4 A summary of measured noise levels over the reporting period including the typical (mode) hourly level for weekdays, Saturday, Sunday and night-time are presented in Table 2.6 below.

2.4.5 There were 0 exceedances of the construction thresholds during this month related to BMB/Tideway works.

**Table 2.6 Monthly Noise Monitoring Summary**

Day	Time	Averaging period	L <sub>Aeq,T</sub> dB	L <sub>Amax</sub> dB	L <sub>A01</sub> dB	L <sub>A90</sub> dB
Monday to Friday	7am-8am	1 hour	58	77	-	-
	8am-6pm	10 hour	61	-	-	-
	6pm-7pm	1 hour	56	74	-	-
	7pm-10pm	1 hour	56	74	-	-
	Typical hourly level (day)	Mode	62	-	-	-
Saturday	7am-8am	1 hour	58	75	-	-
	8am-1pm	5 hour	60	-	-	-
	1pm-2pm	1 hour	59	77	-	-
	2pm-10pm	1 hour	57	75	-	-
	Typical hourly level (Saturday)	Mode	61	-	-	-
Sunday	7am-10 pm	1 hour	57	78	-	-
	Typical hourly level (Sunday)	Mode	58	-	-	-
All days	10pm-7am	1 hour	52	68	-	-
	Typical hourly level (night)	Mode	51	-	-	-

\* Denotes a range featuring two or more modal values where mean average has been used instead

\*\* Denotes a range in which all values are unique where mean average has been used instead