

M7- M12 Integration Project Environment Protection Licence – Environmental Monitoring Data Report

January 2026



Document Control

| | |
|---------------------|--|
| Date | 10 February 2026 |
| Document No. | M7M12UDC-JHGRP-M7A-EN-RPT-000047 |
| Title | Environment Protection Licence – Environmental Monitoring Data Report January 2026 |

Document History and Status

| Rev | Rev Date | Description | Author | Checked | Reviewed | Approved |
|-----|------------|-----------------|--------------|-----------------|----------|--------------------|
| 01 | 05/02/2026 | For publication | K. Hernandez | D. Windnagel | A. Major | For publication |

Contents

| | | |
|------------|--|-----------|
| 1 | Project summary | 2 |
| 2 | Environmental Protection Licence and Reporting Requirements | 4 |
| 3 | Noise and vibration monitoring | 5 |
| 3.1 | Noise monitoring | 5 |
| 3.2 | Vibration monitoring | 9 |
| 4 | Discharge Water Quality Monitoring | 11 |

Figures

| | | |
|------------|---------------------------------|---|
| Figure 1-1 | M7-M12 Integration Project..... | 3 |
|------------|---------------------------------|---|

Tables

| | | |
|-----------|---|----|
| Table 3-1 | Noise monitoring data | 6 |
| Table 3-2 | Vibration monitoring data | 10 |
| Table 4-1 | Sediment basin discharge monitoring data for January 2026 | 12 |

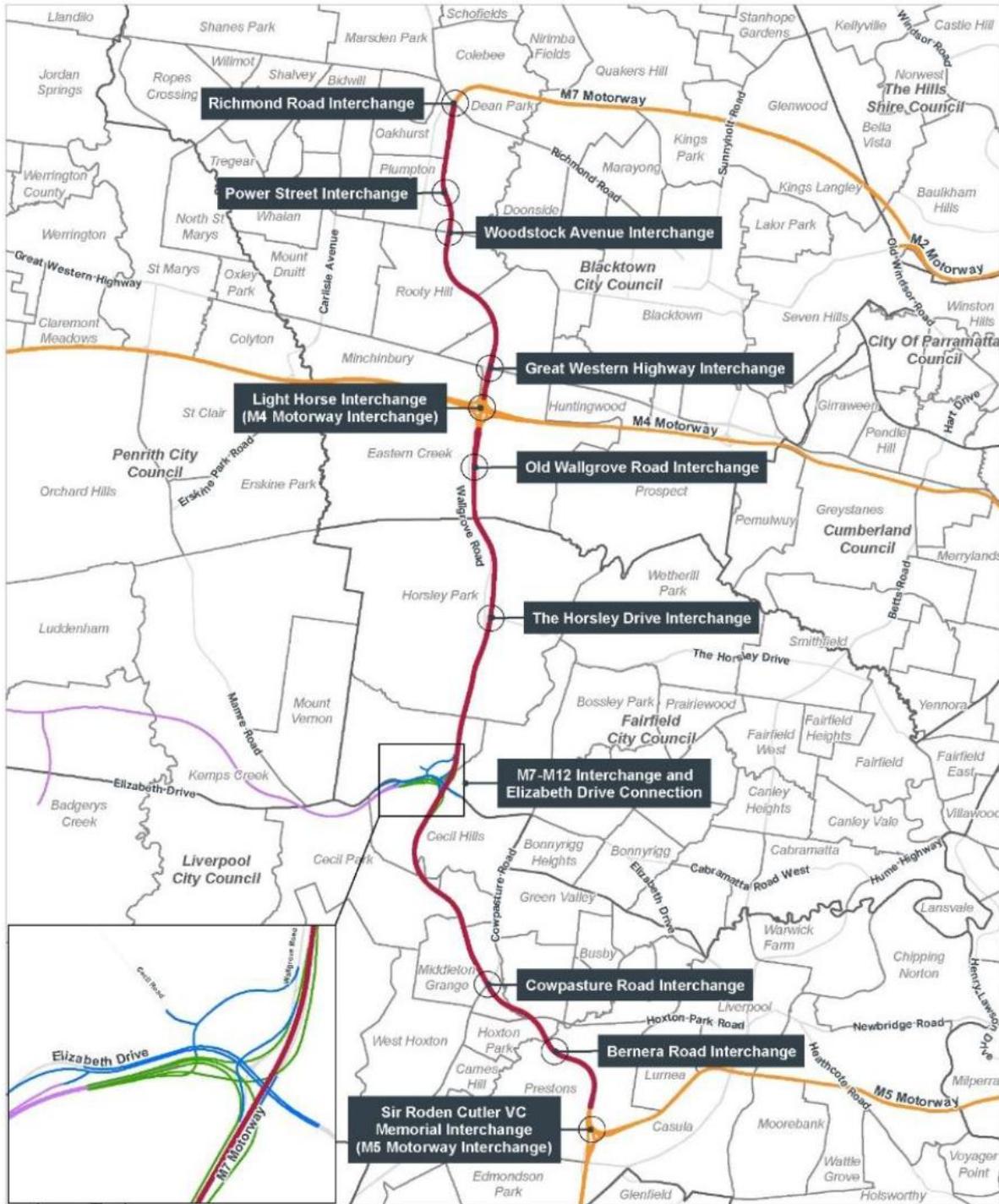
1 Project summary

The M7 Motorway (Modification 6 Widening; SSI-663-Mod-6) (M7 Widening) and the M12 East package of the M12 Motorway project (SSI 9364) will be delivered together under what is referred to as the M7-M12 Integration project (the Project) (refer to Figure 1-1) by John Holland.

The M12 Motorway extends between the M7 Motorway at Cecil Hills and The Northern Road at Luddenham, over a distance of about 16 km. It will be delivered in multiple packages including the M12 West package, M12 Central package and M12 East package (this package is part of the M7-M12 Integration project). The M12 East package involves two components of work:

- Connecting Elizabeth Drive to the M12 Motorway and the upgrade of approximately two kilometres of Elizabeth Drive from east of Duff Road to 300 metres east of the M7 Motorway
- Providing a grade separated motorway to motorway connection between the M7 Motorway and M12 Motorway.

The M7 Widening project will enable the construction and operation of an additional lane in both directions within the existing median of the Westlink M7 for approximately 26 kilometres (km). Works will occur from about 140 metres (m) south of the Kurrajong Road overhead bridge at Prestons (southern end) to the Richmond Road interchange at Oakhurst/Glendenning (northern end), excluding widening through the Westlink M7/M4 Motorway (Light Horse) Interchange.



M7-M12 INTEGRATION PROJECT
LOCATION OVERVIEW



Legend

- M7 Widening
- M7-M12 Interchange
- Elizabeth Drive Connection
- M12 Motorway
- Existing motorway
- Interchange
- LGA boundary
- Suburb boundary

Copyright © 2023 AECOM. All rights reserved. This document is the property of AECOM and is not to be distributed, copied, or reproduced in any form without the prior written consent of AECOM. AECOM and its employees, agents, and subcontractors shall not be held liable for any errors or omissions in this document. The information contained herein is for informational purposes only and does not constitute an offer of any financial product or service. For more information, please contact your AECOM account manager. Date: 15/08/2023

Figure 1-1 M7-M12 Integration Project

2 Environmental Protection Licence and Reporting Requirements

John Holland Pty Ltd obtained the Environment Protection Licence (EPL No. 21829) from the NSW Environment Protection Authority for the project. The licence is for road construction as defined under Schedule 1 of the *Protection of the Environment Operations Act 1997* (POEO Act).

The licence describes monitoring and reporting requirements for the Works. The following report details environmental monitoring undertaken during the January 2026 monitoring period conducted in accordance with the EPL.

The EPL can be found by following the link below to the EPA's website: epa.nsw.gov.au.

3 Noise and vibration monitoring

3.1 Noise monitoring

Noise monitoring was undertaken during the reporting period in accordance with the requirements of the M7M12 Construction Noise and Vibration Monitoring Program (M712UDC-JHGRP-M7A-EN-PLN-000074).

All works were deemed compliant as they complied with applicable criteria, monitoring was predominantly dominated by background noise sources such as local traffic and are detailed in Table 3-1.

Table 3-1 Noise monitoring data

| Location Description | Monitoring date | Monitoring period | NCA | Attended or Continuous | Parameter | Measured value dB(A) | Goals and targets dB(A) | Project OOHW Compliance | Comments/Field Observations |
|---------------------------------------|-----------------|-------------------|---------|------------------------|---------------|----------------------|-------------------------|-------------------------|---|
| 37 Rossini Drive, Hinchinbrook | 06/01/2026 | Night | NCA_07 | Attended | LAeq (15 min) | 49.1 | 62 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 40 Lightning Ridge Road, Hinchinbrook | 06/01/2026 | Night | NCA_07 | Attended | LAeq (15 min) | 45.8 | 63 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 3A Gregory Street, Glendenning | 07/01/2026 | Night | NCA_31 | Attended | LAeq (15 min) | 50.1 | 71 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 12 Sperring Avenue, Oakhurst | 07/01/2026 | Night | NCA_31 | Attended | LAeq (15 min) | 40.4 | 62 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 33 Isabel Street, Cecil Hills | 07/01/2026 | Night | NCA_16b | Attended | LAeq (15 min) | 50.3 | 56 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 137 Ash Road, Prestons | 08/01/2026 | Night | NCA_06 | Attended | LAeq (15 min) | 55.5 | 53 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 8A Skipton Lane, Prestons | 09/01/2026 | Night | NCA_06 | Attended | LAeq (15 min) | 66.5 | 65 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 489-499 Wallgrove Rd, Horsley Park | 09/01/2026 | Night | NCA_20 | Attended | LAeq (15 min) | 67 | 66 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 144 Rooty Hill Road, Eastern Creek | 12/01/2026 | Night | NCA_23 | Attended | LAeq (15 min) | 61.4 | 51 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were inaudible. JHG works compliant. |
| 40 Lightning Ridge Road, Hinchinbrook | 12/01/2026 | Night | NCA_07 | Attended | LAeq (15 min) | 44.8 | 60 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 37 Rossini Drive, Hinchinbrook | 12/01/2026 | Night | NCA_07 | Attended | LAeq (15 min) | 50.7 | 61 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 11 Mavis Street, Rooty Hill | 12/01/2026 | Night | NCA_22 | Attended | LAeq (15 min) | 48.1 | 61 | JH Works Compliant | Dominant noise source was traffic from local roads and works. Works were compliant with the PNL. JHG works compliant. |

| Location Description | Monitoring date | Monitoring period | NCA | Attended or Continuous | Parameter | Measured value dB(A) | Goals and targets dB(A) | Project OOHW Compliance | Comments/Field Observations |
|---------------------------------------|-----------------|-------------------|---------|------------------------|---------------|----------------------|-------------------------|-------------------------|---|
| 40 Lightning Ridge Road, Hinchinbrook | 12/01/2026 | Night | NCA_07 | Attended | LAeq (15 min) | 44.1 | 59 | JH Works Compliant | Dominant noise source was traffic from local roads and works. Works were compliant with the PNL. JHG works compliant. |
| 8A Skipton Lande, Prestons | 13/01/2026 | Night | NCA_06 | Attended | LAeq (15 min) | 56.6 | 72 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 137 Ash Road, Prestons | 13/01/2026 | Night | NCA_06 | Attended | LAeq (15 min) | 44.5 | 56 | JH Works Compliant | Dominant noise source was traffic from local roads and works. Works were compliant with the PNL. JHG works compliant. |
| 33 Isabel Street, Cecil Hills | 13/01/2026 | Evening | NCA_16b | Attended | LAeq (15 min) | 55.2 | 57 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 86 Station Street, Rooty Hill | 14/01/2026 | Night | NCA_26 | Attended | LAeq (15 min) | 55.3 | 63 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 6B Skipton Lande, Prestons | 14/01/2026 | Night | NCA_06 | Attended | LAeq (15 min) | 57.4 | 69 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 33 Isabel Street, Cecil Hills | 15/01/2026 | Night | NCA_16b | Attended | LAeq (15 min) | 54.4 | 57 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 8A Skipton Lande, Prestons | 20/01/2026 | Night | NCA_06 | Attended | LAeq (15 min) | 56 | 69 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |
| 137 Ash Road, Prestons | 20/01/2026 | Night | NCA_06 | Attended | LAeq (15 min) | 50.2 | 57 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 144 Rooty Hill Road, Eastern Creek | 21/01/2026 | Night | NCA_23 | Attended | LAeq (15 min) | 49.5 | 51 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 86 Station Street, Rooty Hill | 21/01/2026 | Night | NCA_26 | Attended | LAeq (15 min) | 54.8 | 65 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 33 Isabel Street, Cecil Hills | 22/01/2026 | Night | NCA_16b | Attended | LAeq (15 min) | 51.1 | 57 | JH Works Compliant | Dominant noise source was project works. Works were compliant with the PNL. JHG works compliant. |

| Location Description | Monitoring date | Monitoring period | NCA | Attended or Continuous | Parameter | Measured value dB(A) | Goals and targets dB(A) | Project OOHW Compliance | Comments/Field Observations |
|---------------------------------------|-----------------|-------------------|--------|------------------------|---------------|----------------------|-------------------------|-------------------------|---|
| 87 Hemsworth Avenue, Middleton Grange | 22/01/2026 | Night | NCA_10 | Attended | LAeq (15 min) | 52.7 | 64 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |
| 37 Rossini Drive, Hinchinbrook | 22/01/2026 | Night | NCA_07 | Attended | LAeq (15 min) | 48.5 | 62 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were inaudible. JHG works compliant. |
| 40 Lightning Ridge Road, Hinchinbrook | 23/01/2026 | Night | NCA_07 | Attended | LAeq (15 min) | 46.7 | 63 | JH Works Compliant | Dominant noise source was traffic from local roads. Works were compliant with the PNL. JHG works compliant. |

Note:

1. LAeq (15min) - The A-weighted equivalent continuous (energy average) A-weighted sound pressure level over a 15-minute period.
2. dBA - Decibels using the A-weighted scale measured according to the frequency of the human ear.

3.2 Vibration monitoring

Vibration monitoring was undertaken during the reporting period in accordance with the requirements of the M7M12 Construction Noise and Vibration Monitoring Program (M712UDC-JHGRP-M7A-EN-PLN-000074).

All works were deemed compliant as they complied with applicable criteria and are detailed in Table 3-2.

Table 3-2 Vibration monitoring data

| Monitoring Location | Monitoring Date | Attended or Continuous Monitoring | Measured VDV (m/s ^{1.75}) | VDV Target (m/s ^{1.75}) | VDV Compliant | Measured PPV (mm/s) | PPV Target (mm/s) | PPV Compliant | Comments/ Field Observations |
|--------------------------------------|-----------------|-----------------------------------|-------------------------------------|-----------------------------------|---------------|---------------------|-------------------|---------------|---|
| 489-499 Wallgrove Road, Horsley Park | 09/01/2026 | Attended | 0.07 | 0.4 | Compliant | 0.11 | 25 | Compliant | Works were monitored and found to be compliant with the associated criteria |
| 72 Station Street, Rooty Hill | 13/01/2026 | Attended | 0.07 | 0.4 | Compliant | 0.11 | 25 | Compliant | Works were monitored and found to be compliant with the associated criteria |
| 8A Skipton Lane, Prestons | 20/01/2026 | Attended | 0.09 | 0.4 | Compliant | 0.14 | 25 | Compliant | Works were monitored and found to be compliant with the associated criteria |
| 72 Station Street, Rooty Hill | 21/01/2026 | Attended | 0.09 | 0.4 | Compliant | 0.14 | 25 | Compliant | Works were monitored and found to be compliant with the associated criteria |
| 7 Donn Street, Middleton Grange | 22/01/2026 | Attended | 0.07 | 0.4 | Compliant | 0.11 | 25 | Compliant | Works were monitored and found to be compliant with the associated criteria |
| 42 Inverell Avenue, Hinchinbrook | 23/01/2026 | Attended | 0.08 | 0.4 | Compliant | 0.13 | 25 | Compliant | Works were monitored and found to be compliant with the associated criteria |

Note:

1. VDV – Vibration Dose Value
2. PPV – Peak Particle Velocity

4 Discharge Water Quality Monitoring

Offsite discharge occurred during January 2026 from sediment basins across the Project.

All discharges were compliant with the requirements of the Project EPL (#21829) and are outlined in Table 4-1.

Table 4-1 Sediment basin discharge monitoring data for January 2026

| Location | Date | Analyte | Units | Limit | Result | Comments |
|----------|------------|----------------|---------|-------------|--------------------|------------------------------------|
| SB02 | 06/01/2026 | pH | pH | 6.5-8.5 | 6.76 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 37.7 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB16 | 06/01/2026 | pH | pH | 6.5-8.5 | 8.11 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 38.4 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB13 | 06/01/2026 | pH | pH | 6.5-8.5 | 7.83 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 37.8 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB02 | 12/01/2026 | pH | pH | 6.5-8.5 | 7.19 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 36.6 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB02 | 21/01/2026 | pH | pH | 6.5-8.5 | 6.89 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 47.1 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB18 | 22/01/2026 | pH | pH | 6.5-8.5 | 8.38 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 39.5 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB16 | 27/01/2026 | pH | pH | 6.5-8.5 | 8.03 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 42.7 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB02 | 27/01/2026 | pH | pH | 6.5-8.5 | 7.98 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 26.7 | |

Environment Protection Licence Environment Monitoring Data

| | | | | | | |
|------|------------|----------------|---------|-------------|--------------------|------------------------------------|
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB01 | 24/01/2026 | pH | pH | 6.5-8.5 | 7.39 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 42 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB13 | 27/01/2026 | pH | pH | 6.5-8.5 | 7.05 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 30.6 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB06 | 27/01/2026 | pH | pH | 6.5-8.5 | 6.85 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 7.7 | |
| | | Oil and grease | Visible | Not visible | Not visible | |
| SB17 | 28/01/2026 | pH | pH | 6.5-8.5 | 6.93 | Compliant with discharge criteria. |
| | | Turbidity | NTU | 50 | 12.8 | |
| | | Oil and grease | Visible | Not visible | Not visible | |