ALBION PARK RAIL BYPASS
STAGE 2: PRINCES MOTORWAY BETWEEN YALLAH AND OAK FLATS

ENVIRONMENTAL REPRESENTATIVE’S MONTHLY REPORT – MAY 2019

Date of Issue: 07 June 2019
Job Reference: AL17-274-2
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Environmental Representative: __________________
Toby Hobbs – Principal

Report No.: AL17-274 ER May 2019 Report

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### GLOSSARY OF TERMS AND ABBREVIATIONS

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<th>Term</th>
<th>Definition</th>
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</thead>
<tbody>
<tr>
<td>APRb</td>
<td>Albion Park Rail bypass</td>
</tr>
<tr>
<td>CAR</td>
<td>Corrective Action Request</td>
</tr>
<tr>
<td>CCS</td>
<td>Community Communication Strategy</td>
</tr>
<tr>
<td>CEMP</td>
<td>Construction environmental management plan</td>
</tr>
<tr>
<td>CoA</td>
<td>The Planning Minister’s conditions of approval</td>
</tr>
<tr>
<td>CRSC</td>
<td>Croom Regional Sporting Complex</td>
</tr>
<tr>
<td>CRM</td>
<td>Community Relations Manager</td>
</tr>
<tr>
<td>dB(A)</td>
<td>Decibel: unit of sound pressure level</td>
</tr>
<tr>
<td>DP&amp;E</td>
<td>Department of Planning and Environment</td>
</tr>
<tr>
<td>EIR</td>
<td>Environmental Inspection Report</td>
</tr>
<tr>
<td>EIS</td>
<td>Environmental Impact Statement</td>
</tr>
<tr>
<td>ER</td>
<td>Independent Environmental Representative nominated by Roads and Maritime and approved by DP&amp;E</td>
</tr>
<tr>
<td>EMS</td>
<td>Environmental management system</td>
</tr>
<tr>
<td>EPA</td>
<td>NSW Environment Protection Authority</td>
</tr>
<tr>
<td>EPL</td>
<td>Environment Protection Licence</td>
</tr>
<tr>
<td>ENMM</td>
<td>Environmental Noise Management Manual (RTA 2001)</td>
</tr>
<tr>
<td>EP&amp;A Act</td>
<td>Environmental Planning and Assessment Act 1979</td>
</tr>
<tr>
<td>EPBC Act</td>
<td>Commonwealth Environment Protection and Biodiversity Conservation Act 1999</td>
</tr>
<tr>
<td>ESCP</td>
<td>Erosion and Sedimentation Control Plan</td>
</tr>
<tr>
<td>ESM</td>
<td>Environment and Sustainability Manager</td>
</tr>
<tr>
<td>EWMS</td>
<td>Environmental Work Method Statement</td>
</tr>
<tr>
<td>NOW</td>
<td>NSW Office Of Water</td>
</tr>
<tr>
<td>OEH</td>
<td>Office of Environment &amp; Heritage</td>
</tr>
<tr>
<td>OEMP</td>
<td>Operational environmental management plan</td>
</tr>
<tr>
<td>OOHW</td>
<td>Our of hours works</td>
</tr>
<tr>
<td>PESCP</td>
<td>Progressive erosion and sediment control plan</td>
</tr>
<tr>
<td>(the) Project</td>
<td>Albion Park Rail bypass Stage 2 (Princes Motorway between Yallah and Oak Flats)</td>
</tr>
<tr>
<td>Roads and Maritime</td>
<td>Roads and Maritime Services</td>
</tr>
<tr>
<td>Term</td>
<td>Definition</td>
</tr>
<tr>
<td>--------</td>
<td>---------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Secretary</td>
<td>Secretary of DP&amp;E</td>
</tr>
<tr>
<td>Stage 1</td>
<td>Stage 1 of the Albion Park Rail bypass (Croom Regional Sporting Complex</td>
</tr>
<tr>
<td></td>
<td>Reconfiguration)</td>
</tr>
<tr>
<td>Stage 2</td>
<td>Stage 2 of the Albion Park Rail bypass (Princes Motorway between Yallah</td>
</tr>
<tr>
<td></td>
<td>and Oak Flats)</td>
</tr>
<tr>
<td>Stage 3</td>
<td>Stage 3 of the Albion Park Rail bypass (Yallah Interchange)</td>
</tr>
<tr>
<td>SPIR</td>
<td>Submissions and preferred infrastructure report</td>
</tr>
<tr>
<td>SSI</td>
<td>State Significant Infrastructure</td>
</tr>
<tr>
<td>UDLCS</td>
<td>Urban Design and Landscape Character Strategy</td>
</tr>
</tbody>
</table>
1 INTRODUCTION

This document presents the Environmental Representative’s (ER) monthly report for 01 – 31 May 2019 for the works associated with Albion Park Rail bypass (APRb) Stage 2 (Princes Motorway between Yallah and Oak Flats), herein referred to as the “Project”.

The Albion Park Rail bypass will provide a 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats and key design features include:

- Two lanes in each direction divided by a median;
- Three interchanges provided at Yallah, Albion Park and Oak Flats connecting the local road network with the motorway;
- Bridges to carry the motorway over Duck Creek, Macquarie Rivulet, Frazers Creek, the Princes Highway, Tongarra Road and the South Coast Rail Line;
- Bridges to carry local roads and ramps over the motorway;
- Bridges to provide improved floodwater conveyance and flood immunity;
- Local road changes or upgrades, including Yallah Road between Larkins Lane and Princes Highway at Yallah, replacing the existing East West Link with the motorway and a new local service road which runs parallel to the motorway on the southern side, connecting the Oaks Flats interchange with Croome;
- Improved pedestrian and cycle connections; and
- Replacement of directly impacted sporting facilities at the Croom Regional Sporting Complex (CRSC), including sporting fields and associated amenities and changes to the southern access of the sporting complex.

Minister’s Conditions of Approval (MCoA) were issued by the Minister for Planning, NSW Department of Planning and Environment under Section 115ZB of the Environmental Planning and Assessment Act 1979 on 30 January 2018. A modification (MOD 1) was approved by DP&E on 25 October 2018 which incorporated a definition of “Heavy vehicle” and replacement of Conditions E51 (Building and Condition Structure Surveys) and E75 (Road Dilapidation Reports).

In accordance with the Project Approval, the Albion Park Rail bypass Project will be delivered in the following three stages:

- Stage 1: Croom Regional Sporting Complex (CRSC) reconfiguration;
- Stage 2: Princes Motorway between Yallah and Oak Flats; and
- Stage 3: Yallah Interchange.

The key features of Stage 2 of the Project, and the subject of this report, include:

- A 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats bypassing Albion Park Rail;
- A central interchange at Albion Park;
- A southern interchange at Oak Flats;
• Thirteen new bridges;
• Pedestrian and cyclist facilities to improve connectivity; and
• Local road upgrades on Tongarra Road and Yallah Road.

Stage 2 construction works commenced on 07 January 2019 following DP&E’s approval of the Construction Environmental Management Plan (CEMP), inclusive of sub-plans, and the fulfillment of other pre-construction requirements.

Required Environmental Representative (ER) services are listed under the Minister for Planning’s Conditions of Approval applicable to the Project. In particular, Condition A22 provides for the appointment of the ER to be approved by the Secretary to provide a range of services related to management issues concerning the environmental performance of the Project.

Mr Toby Hobbs of Vantage Environmental Pty Ltd (Vantage) was appointed by Roads and Maritime Services (Roads and Maritime) as the Project ER and endorsed for this role by the Department of Planning and Environment on 08 February 2018. Mr Hobbs is an environmental scientist with approximately 20 years of experience and is accredited as a Principal Environmental Auditor by Global Exemplar.

2 SUMMARY OF SIGNIFICANT WORKS

During the current reporting of May 2019 the following program of site-based activities occurred including:

• Bulk earthworks including placement of fill materials (coal wash and quarry materials);
• Construction of the Green Meadows detention basin;
• Maintenance and installation of environmental controls including sediment basins, clean-water diversion drains and stabilised site access points;
• Dewatering of dams and fauna relocation;
• Management of potentially contaminated materials;
• Fencing;
• Clearing;
• Utility adjustments; and
• Survey and set-out.
3 STATUS OF ENVIRONMENTAL DOCUMENT REVIEW

The date of issue of ER endorsement on the Construction Environmental Management Plan (CEMP) and sub-plans associated with Stage 2 of the Project works is shown on Table 3.1, below. Approval of the noted plans was provided by DP&E between 07 and 21 December 2018.

<table>
<thead>
<tr>
<th>Plan Name and Details</th>
<th>Date of Issue of ERs Endorsement</th>
<th>Date of DP&amp;E Approval</th>
</tr>
</thead>
<tbody>
<tr>
<td>Waste and Energy Management (Appendix B7), Rev. 4, 12 October 2018</td>
<td>12 October 2018</td>
<td>N/A: Provided to DP&amp;E for information only</td>
</tr>
<tr>
<td>Contaminated Land Management Sub-plan (Appendix B9), Rev. 4, 10 December 2018</td>
<td>12 October 2018</td>
<td>N/A: Provided to DP&amp;E for information only</td>
</tr>
<tr>
<td>Flora and Fauna Management Sub-plan (Appendix B2), Rev. 9, 28 November 2018</td>
<td>27 November 2018</td>
<td>07 December 2018</td>
</tr>
<tr>
<td>Noise and Vibration Sub-plan (Appendix B3), Rev. 6, 12 November 2018 inclusive of Construction Noise and Vibration Monitoring Program</td>
<td>13 November 2018</td>
<td>07 December 2018</td>
</tr>
<tr>
<td>Construction Environmental Management Plan, Albion Park Rail bypass (Stage 2 – Princes Motorway between Yallah and Oak Flats), Rev. 9, 04 December 2018</td>
<td>05 December 2018</td>
<td>07 December 2018</td>
</tr>
<tr>
<td>Soil and Water Management Sub-plan (Appendix B4), Rev. 8, 03 December 2018 inclusive of Construction Groundwater Monitoring Program and Construction Surface Water Monitoring Program</td>
<td>05 December 2018</td>
<td>07 December 2018</td>
</tr>
<tr>
<td>Air Quality Management Sub-plan (Appendix B6), Rev. 7, 05 December 2018 inclusive of Construction Air Quality Monitoring Program (Approval of the monitoring program requirements only)</td>
<td>05 December 2018</td>
<td>07 December 2018</td>
</tr>
<tr>
<td>Heritage Management Sub-plan (Appendix B5), Rev. 8, 05 December 2018</td>
<td>05 December 2018</td>
<td>29 November 2018*</td>
</tr>
<tr>
<td>Traffic and Transport Management Sub-plan (Appendix B1), Rev. 11, 10 December 2018</td>
<td>10 December 2018</td>
<td>29 November 2018*</td>
</tr>
<tr>
<td>Flooding and Hydrology Management Sub-plan (Appendix B8), Rev. 11, 10 December 2018</td>
<td>10 December 2018</td>
<td>21 December 2018 (approved for first 6 months of construction then update required)</td>
</tr>
</tbody>
</table>

*DP&E approval was subject to further updates which was subsequently addressed
It is noted that during the current reporting period the review and update of the project Flooding and Hydrology Management sub-plan commenced.

### 4 EVALUATION OF CONSTRUCTION ACTIVITIES

#### 4.1 Site Monitoring

The ER completed two (2) site visits to view the Project works on 07 and 21 May 2019. The site visits involved an inspection of on-site works as well as an assessment of general compliance with associated Project Approval conditions.

Copies of the Environmental Inspection Reports (EIR) that were used to record site observations are presented as Appendix A. The EIRs contain an on-site checklist developed by Roads and Maritime that allow for the systematic recording of on-site environmental issues, observations of concerns and/or potential non-conformities.

The personnel who attended the site visit are listed below.

<table>
<thead>
<tr>
<th>Date of Site Visit</th>
<th>Personnel Present</th>
</tr>
</thead>
</table>
| 07 May 2019       | Peter Chudleigh, Roads and Maritime Services  
Kamlesh Prajapati, Roads and Maritime Services  
Shannon Chisholm, Fulton Hogan  
James Diamond, Fulton Hogan  
Toby Hobbs, Vantage  
Senior construction representatives present for relevant areas of responsibility during site visit. |
| 21 May 2019       | Peter Chudleigh, Roads and Maritime Services  
Kamlesh Prajapati, Roads and Maritime Services  
James Diamond, Fulton Hogan  
Toby Hobbs, Vantage |

Key items discussed and viewed during the site visits of May 2019 included:

- Stabilisation of disturbed areas and preparation for rainfall events;
- Maintenance of erosion/sedimentation controls;
- Mitigation for potential dust emissions;
- Management of site access points to prevent potential mud/materials-tracking;
- Site boundary and exclusion zone fencing/signage;
- Management of works within/adjacent to waterways;
- Progress of creek realignment works; and
- Community consultation and complaints handling.
4.2 Site Issues

Overall, the standard of environmental management associated with the construction activities that were in progress during May 2019 was generally satisfactory. No significant environmental issues or risks were identified during the site visits.

A total of 7.0mm of rainfall was recorded at the Albion Park (Wollongong Airport) Bureau of Meteorology weather station during May 2019, which was lower than the average reported rainfall for May of 53.3mm for the same weather station.

Given the persistent dry and windy conditions during the reporting period it was apparent that additional focus had been placed on management of potential dust emissions from the Project site. These measures included the stabilisation of site access points, retention of groundcover where possible, deployment of additional water carts and street-sweepers and in some instances the cessation of works that could generate dust during high-wind events.

Following the site visits of 07 and 21 May 2019, the Environmental Inspection Checklist status of the site was reported as “green” because environmental controls in those areas of the site that were reviewed were deemed to be appropriate and consistent with regulatory and Project Approval requirements.

There were no (0) non-conformities identified with respect to the Infrastructure Approval and Environment Protection Licence (EPL) requirements during May 2019.

4.3 Community Consultation and Complaints Register

To assess the outcome of the Project community consultation and complaints registration process, the ER held periodic discussions with Roads and Maritime and Fulton Hogan personnel and completed review of the content of the Project complaints register system, known as “Consultation Manager”, which is in use during construction of the Project. The system is used to record and manage issues related to community consultation and feedback, inclusive of complaints related to the environmental performance during construction works. The system has been designed to log standardised details of any complaints associated with the Project with a rapid response mechanism to provide further information to potential complainants.

There was one (1) complaint received by the Project community liaison team during the current reporting period that related to environmental management matters. The complaint related to parking of trucks in the vicinity of a childcare facility and concerns were raised that this was an unsafe practice. Upon review of the complaint it was determined that the trucks were not associated with the Project.

The community liaison team and Project Environmental Manager consulted with the complainant following receipt of the complaint and, based on the information provided by the Project team, it is considered that the complaint was handled appropriately.

Out of Hours Works (OOHW) were conducted in accordance with the Infrastructure Approval and Environmental Protection Licence during the current reporting period to facilitate utility relocations and the placement of safety barriers. There were no (0) reported complaints associated with the OOHW.

On-going consultation with stakeholder groups, agency representatives and residents within the area of the Project corridor regarding upcoming works were also completed by Roads and Maritime and Fulton Hogan during the current reporting period. This correspondence was noted within the Consultation Manager database.

Web-based Project information is available at the following web address:
Routine consultation with stakeholders within the Project works area regarding current and future construction works was completed by the Community Liaison team during May 2019 and a public community information session is scheduled for 13 June 2019. It is also noted that Fulton Hogan and Roads and Maritime personnel were available to consult with the public at a project display during the Wings Over Illawarra air show.

4.4 Implementation, Effectiveness and Level of Compliance with Project CEMP and Approval Conditions

Based on the ER’s review, and consultation that was undertaken in May 2019, it is apparent that site works and management practices were generally consistent with CEMP commitments and Approval Conditions associated with the Project.

There were no (0) reportable environmental incidents in accordance with Infrastructure Approval Condition A38 during the current reporting period.

It is noted that during the current reporting period the review and update of the project Flooding and Hydrology Management sub-plan commenced. In addition, the Project team commenced a review of the progress of installation of at-house noise mitigation measures for priority properties in accordance with Infrastructure Approval Condition E47.

Preliminary meetings and reporting associated with issue of the first Construction Compliance Report (CCR) was also undertaken in May 2019. This first CCR will cover the first six (6) months of construction from the commencement of construction on 07 January 2019.

4.4.1 Aviation Management Plan

During the current reporting period information was provided by Fulton Hogan personnel regarding monitoring requirements within the Aviation Management Plan (including Method of Working Plan [MoWP]). In particular, weekly inspection checklists and examples of Notices to Airmen (NOTAMs) were provided.

4.5 Review of Corrective/Preventative Measures

There are currently no (0) ER-issued Corrective Action Requests (CARs) outstanding on the Project.

4.6 Requested Changes to Project CEMP

None currently requested.
5  SITE INDUCTION PROCESS

The ER conducted a detailed review of the content of the site induction for the Project works during January 2019. Based on the review it was deemed that the induction content placed an adequate emphasis on environmental management priorities and requirements for the Project.

The next induction review will be undertaken during July 2019.

6  MEETINGS

6.1  Environmental Review Group

The second Environmental Review Group (ERG) meeting for the Project (ERG Meeting No. 2) was held on 09 April 2019. The meeting involved a round table discussion with attending ERG Members as well as representatives of the Roads and Maritime and Fulton Hogan management, construction and environment teams.

The next ERG meeting is scheduled to be held on 16 July 2019.

6.2  Other Meetings

During the current reporting period the ER attended routine meetings associated with administrative matters such as development of management documents and planning for upcoming construction activities.

7  DOCUMENTATION ISSUED BY THE ER

7.1  Corrective Action Requests

No ER-issued Corrective Action Requests (CARs) were raised during the current reporting period.

7.2  Certifications and Endorsements

A summary of ER certifications and endorsements associated with the Project that have been issued since appointment on 08 February 2018 is provided within Appendix B of this report.

7.3  Directions/Advice/Requests

During May 2019, the ER provided written and verbal correspondence to Fulton Hogan and Roads and Maritime personnel regarding environmental management strategies associated with the Project.

8  ADDITIONAL SERVICES DIRECTED BY ROADS AND MARITIME SERVICES

There were no additional services directed during the current reporting period.
9 DOCUMENTATION RECEIVED FROM ROADS AND MARITIME SERVICES AND OTHER PARTIES

During May 2019, the ER received correspondence from Roads and Maritime and Fulton Hogan relating to the following:

- Incident management and reporting;
- Information associated with the close-out of issues identified during routine site visits as documented on the Environmental Inspection Reports (EIR);
- Community consultation and complaints handling information;
- Updates to post-approvals documentation and monitoring data associated with approval management plans and strategies; and
- Information related to on-going construction works and upcoming works associated with the broader Project area.

10 CLOSING COMMENTS

Based on the site visit completed during May 2019, review of Project documentation and discussions with Project personnel, the ER considers that relevant environmental management objectives were met and the current Project works were deemed to be generally consistent with Project Approval conditions.

It was apparent that additional focus had been placed on management of potential dust emissions from the Project site during the current reporting period due to persistent dry and windy conditions. Mitigation measures included the stabilisation of site access points, retention of groundcover where possible, deployment of additional water carts and street-sweepers and in some instances the cessation of works that could generate dust during high-wind events.

It is noted that the Project team commenced a review of the progress of installation of at-house noise mitigation measures for priority properties in accordance with Infrastructure Approval Condition E47 during the May 2019. The outcomes of this review will be discussed within the ER’s June 2019 report.
Appendix A

Environmental Inspection Reports:

07 May 2019
21 May 2019
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 07 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

<table>
<thead>
<tr>
<th>NO.</th>
<th>LOCATION</th>
<th>ISSUE/COMMENT</th>
<th>CODE</th>
<th>RISK</th>
<th>ACTION</th>
<th>CLOSE OUT DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Darcy Dunster Reserve</td>
<td>Boundary fencing and er/sed controls have been installed in advance of works. Suggest additional project boundary signage is posted to ensure personnel don’t enter reserve area. Bank protection will be required once vegetation is cleared. Silt curtain will also be required for Macquarie Rivulet.</td>
<td>ESC-CIS</td>
<td>Low-Medium</td>
<td>Additional signage installed. Bank vegetation cut stump to ensure bank stabilisation. For works within Macquarie Rivulet a dual silt curtain set-up will be implemented.</td>
<td>9/05/2019</td>
</tr>
</tbody>
</table>
**ENVIRONMENTAL INSPECTION REPORT**

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 07 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

<table>
<thead>
<tr>
<th>NO.</th>
<th>LOCATION</th>
<th>ISSUE/COMMENT</th>
<th>CODE</th>
<th>RISK</th>
<th>ACTION (Contractor or RMS)</th>
<th>CLOSE OUT DATE</th>
</tr>
</thead>
</table>

![Image of issue/COMMENT](image1.png)

![Image of issue/COMMENT](image2.png)
## ENVIRONMENTAL INSPECTION REPORT

**PROJECT**: Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION**: 07 May 2019

**WORKS UNDERTAKEN BY**: Contractor – Fulton Hogan

**ATTENDEES**: Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS**: Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC**: Yes

<table>
<thead>
<tr>
<th>NO.</th>
<th>LOCATION</th>
<th>ISSUE/COMMENT</th>
<th>CODE</th>
<th>RISK</th>
<th>ACTION</th>
<th>CLOSE OUT DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>Fill 4</td>
<td>De-watering of dam and recovery/relocation of fauna (turtles and eels) is in progress. Project ecologists were on site and works were programmed/managed in accordance with relevant Fisheries protocols. Installation of new drainage channels in progress; some additional stabilisation required prior to next rainfall. Excess spoil adjacent to drains and Macquarie Rivulet should be removed or stabilised to reduce er/sed risks.</td>
<td>FF-POS ESC-DAU</td>
<td>Low-Medium</td>
<td>Drain stabilised with permanent seed mix and excess spoil removed.</td>
<td></td>
</tr>
</tbody>
</table>
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 07 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:**

![Green](#)

### NO. | LOCATION | ISSUE/COMMENT | CODE | RISK | ACTION (Contractor or RMS) | CLOSE OUT DATE
--- | --- | --- | --- | --- | --- | ---

[Images of the site visit areas are provided here.]

1. **ENVIRONMENTAL INSPECTION REPORT**
## ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 07 May 2019

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

<table>
<thead>
<tr>
<th>NO.</th>
<th>LOCATION</th>
<th>ISSUE/COMMENT</th>
<th>CODE</th>
<th>RISK</th>
<th>ACTION (Contractor or RMS)</th>
<th>CLOSE OUT DATE</th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td>Fill 3</td>
<td>Placement of coal-wash fill has commenced. Controls appear appropriate and have been adopted from previously prepared EWMS for similar works. Recently spray-seeded areas are showing signs of good strike. Active dust supression in progress. Housekeeping is of a high standard.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
</tbody>
</table>
# ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 07 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

<table>
<thead>
<tr>
<th>NO.</th>
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<th>CODE</th>
<th>RISK</th>
<th>ACTION</th>
<th>CLOSE OUT DATE</th>
</tr>
</thead>
</table>

---

1. The report includes an inspection of the Albion Park Rail bypass project, focusing on Stage 2 from Yallah to Oak Flats. The inspection was conducted on 07 May 2019, with attendees from RMS, Fulton Hogan, and Vantage. Relevant construction representatives were present during the site visit. The weather conditions were clear with a temperature of 22°C. The project was identified as high risk for ESC. The status of the project is green.
**ENVIRONMENTAL INSPECTION REPORT**

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 07 May 2019

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

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</thead>
<tbody>
<tr>
<td>4</td>
<td>Fill 2</td>
<td>Clean water diversion has been constructed and fill placement is in progress. Housekeeping across works area is of a high standard.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
</tbody>
</table>
# ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)  
**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan  
**DATE OF INSPECTION:** 07 May 2019  
**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).  
Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C  
**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes  
**STATUS:** Green

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</thead>
<tbody>
<tr>
<td>5</td>
<td>Gate 1</td>
<td>Drainage works have commenced to manage Duck Creek catchment. All clearing is complete and utility relocations/repairs/upgrades in progress. Some unexpected finds of mixed waste have been identified and management options are currently being assessed.</td>
<td>WAS-IWS</td>
<td>Low</td>
<td>Management of mixed waste to be undertaken when options are agreed.</td>
<td>TBC</td>
</tr>
</tbody>
</table>
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 07 May 2019

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Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

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![Image 1](image1.png)

![Image 2](image2.png)
# Environmental Inspection Report

**Project:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**Works Undertaken By:** Contractor – Fulton Hogan

**Date of Inspection:** 07 May 2019

**Attendees:**
- Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).
- Senior construction representatives present for relevant areas of responsibility during site visit.

**Weather Conditions:** Clear, 22°C

**Project Identified as High Risk for ESC:** Yes

**Status:** Green

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<th>Risk</th>
<th>Action</th>
<th>Close Out Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>6</td>
<td>Cut 5</td>
<td>Good vegetation strike evident on recently seeded areas and rock drain construction progressing well. Topsoiling of 2nd cut bench has commenced and will be followed by hydro-seeding. This treatment is also required for the 1st bench as soon as practicable to assist in er/sed management. Please look to progressively stabilise other disturbed areas where possible and assess efficacy of drainage management at eastern end of works. Temporary controls have been installed at culvert 25,450 however on-going monitoring will be required to manage potential er/sed risk prior to completion.</td>
<td>ESC-DAU</td>
<td>Low-Medium</td>
<td>Culvert 25450 boxed out and stabilised with fabric awaiting blinding slab and commencement of culvert construction. Monitoring of works area ongoing.</td>
<td>14/05/2019</td>
</tr>
</tbody>
</table>

![Progressive stabilisation undertaken.](image1)

![Progressive stabilisation undertaken.](image2)
ENVIRONMENTAL INSPECTION REPORT

PROJECT: Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

DATE OF INSPECTION: 07 May 2019

WEATHER CONDITIONS: Clear, 22°C

PROJECT IDENTIFIED AS HIGH RISK FOR ESC: Yes

STATUS: Green

WORKS UNDERTAKEN BY: Contractor – Fulton Hogan

ATTENDEES: Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

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**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 07 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

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<tbody>
<tr>
<td>7</td>
<td>Fill 13</td>
<td>Bulk earthworks in progress. Culvert installation for adjacent property access nearing completion although some temporary controls may be required pending head-wall installation. While er/sed controls for entire site are somewhat limited, risk appear appropriately managed given site layout and forecast weather conditions.</td>
<td>ESC-DAU</td>
<td>Low</td>
<td>Culvert construction complete. Temporary headwall install and protected.</td>
<td>14/05/2019</td>
</tr>
</tbody>
</table>
## Environmental Inspection Report

**Project:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**Works Undertaken by:** Contractor – Fulton Hogan

**Date of Inspection:** 07 May 2019

**Attendees:**
- Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).
- Senior construction representatives present for relevant areas of responsibility during site visit.

**Weather Conditions:** Clear, 22°C

**Project Identified as High Risk for ESC:** Yes

**Status:** Green

### Issue/Comment, Code, Risk, Action, Close Out Date

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</thead>
<tbody>
<tr>
<td>8</td>
<td>Fill 12 / Cut 4</td>
<td>Scrappers have commenced bulk earthworks. EPL basins are on-line and actively managed. Controls generally appropriate, however additional controls will be necessary as fill levels increase. In addition, management of waters from up-slope (and associated transfer across site) will be necessary due to size of catchment.</td>
<td>ESC-GEN</td>
<td>Low-Medium</td>
<td>Clean water diversion installed to divert off-site water through site. Maximisation of site runoff into sediment basins.</td>
<td>14/05/2019</td>
</tr>
</tbody>
</table>
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)  
**DATE OF INSPECTION:** 07 May 2019  
**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).  
Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C  
**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes  
**STATUS:** Green

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<tr>
<td>9</td>
<td>Gate 19 / Fraziers Ck</td>
<td>Diversion works have commenced. Aquatic flora will be retained for translocation where possible. Controls generally appropriate with good work evident in new diversion channel. Some additional controls for areas adjacent bank suggested; also, areas of fabric could benefit from further pinning.</td>
<td>GEN-POS ESC-CIS</td>
<td>Low</td>
<td>Additional controls and pinning installed. Retention and translocation of creek vegetation undertaken.</td>
<td>14/05/2019</td>
</tr>
</tbody>
</table>

Mulch bund installed
# ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 07 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

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[Images of inspection locations]
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 07 May 2019

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Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

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</thead>
<tbody>
<tr>
<td>10</td>
<td>Gate 16 / Tongarra Rd</td>
<td>Eastern Gas Line protection work and bulk earthworks/filling in progress. Please ensure concrete wash-outs continue to be maintained and assessments for potential ancillary sites occur and are documented in accordance with relevant Infrastructure Approval conditions (A16 – A20)</td>
<td>WAS-IWS DOC-WWA</td>
<td>Low-Medium</td>
<td>Concrete washout maintenance ongoing as required. Ancillary site assessed and compliant with A16</td>
<td>10/05/2019</td>
</tr>
</tbody>
</table>
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 07 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

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<td></td>
<td></td>
<td><img src="image1.jpg" alt="Image 1" /></td>
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<td></td>
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<td><img src="image2.jpg" alt="Image 2" /></td>
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**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), Shannon Chisholm (Fulton Hogan), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage). Senior construction representatives present for relevant areas of responsibility during site visit.

**WEATHER CONDITIONS:** Clear, 22°C  
**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes  
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<tbody>
<tr>
<td>11</td>
<td>Gate 12</td>
<td>Diversion and temporary crossing have been installed with good results evident. Well done.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
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**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

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**STATUS:** Green

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**Issued by:**
Toby Hobbs
Environmental Representative

**Phone:** 0420 922 955

**Issued to:**
Shannon Chisholm
Fulton Hogan

**Date:** 07 May 2019

**Copy to:**
Peter Hawkins (RMS), Warren Blacka (RMS), Steve Lappin (RMS), Mick LeCerf (RMS), David Ledlin (RMS), Kamlesh Prajapati (RMS) Peter Chudleigh (RMS), Nathan Russell (Fulton Hogan), James Diamond (Fulton Hogan), Jacob Cooper (Fulton Hogan) & Tom Dewhurst (Fulton Hogan).
LEGEND

<table>
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<tr>
<th>RECOMMENDED TIMEFRAMES FOR RISK RATING FOR COMPLETION OF ACTIONS</th>
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<tbody>
<tr>
<td>URGENT</td>
</tr>
<tr>
<td>HIGH</td>
</tr>
<tr>
<td>MEDIUM</td>
</tr>
<tr>
<td>LOW</td>
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* To be completed sooner if adverse weather conditions predicted

1 The format of this Environmental Inspection Report is based on the Roads & Maritime Services Guidance Note: Environmental Inspection Reporting (June 2015)

ENVIRONMENTAL STATUS

- **Red**
  - actions required to address urgent risk issues.
  - satisfactory actions not taken for high risk issues identified on the previous inspection.
  - a Category 1 incident has been identified during the inspection.

- **Amber**
  - actions required to address high and/or medium risk issues.
  - satisfactory actions not taken for previous medium or low risk issues on the previous inspection.

- **Green**
  - actions required to address low risk issues that will not directly cause environmental harm.
  - site demonstrates good environmental management with no action required to avoid environmental harm.
## ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 21 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**WEATHER CONDITIONS:** Sunny, 27°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

### NO. | LOCATION | ISSUE/COMMENT | CODE | RISK | ACTION (Contractor or RMS) | CLOSE OUT DATE
--- | --- | --- | --- | --- | --- | ---
1 | Cut 5/ Gate 24 | Upper benches of new cut have now been hydroseeded with ongoing stabilisation scheduled as progress of permanent works permit. Drainage works progressing well with temporary diversions in place for southern culvert works. Additional dust suppression measures required as conditions are dry and windy. Please ensure stockpiles adjacent to culvert works are managed appropriately if significant rainfall is forecast. Erosion/sedimentation plan has been developed for Gate 24/quarry access area, however plan is yet to be implemented in full, so ongoing monitoring of this site prior to and during rain events will be required. | AIR-US, SP-SPU, ESC-CIS | Low-Medium | Dust suppression ongoing during haulage operation | 21/05/19

| | | | | | Material reused as part of backfill. | 30/05/19

| | | | | | PESCP in place with final diversion drains through haul roads to be installed prior to rain events |
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 21 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**WEATHER CONDITIONS:** Sunny, 27°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

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**STATUS:** Green
# ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)  
**DATE OF INSPECTION:** 21 May 2019  
**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan  
**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).  
**WEATHER CONDITIONS:** Sunny, 27°C  
**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes  
**STATUS:** Green

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1. Insert images of construction sites.
# Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

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<tbody>
<tr>
<td>2</td>
<td>Fill 13/ Detention basin/ Gate 22</td>
<td>Bulk earthworks with scrapers in progress. Active dust suppression in progress and drainage diversions for up-slope in place. Additional stabilisation and controls required for clean water diversion at Gate 22.</td>
<td>ESC-CIS</td>
<td>Low-Medium</td>
<td>Additional stabilisation undertaken. Clean water drain installed and relined as earthworks have increased the height of the fill.</td>
</tr>
</tbody>
</table>

**DATE OF INSPECTION:** 21 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**WEATHER CONDITIONS:** Sunny, 27°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

**CLOSE OUT DATE:** 27/05/19 & 03/06/19
# ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 21 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**WEATHER CONDITIONS:** Sunny, 27°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:**
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1. Insert additional details or images as necessary.
## Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

### Works Undertaken by:
- Contractor – Fulton Hogan

### Attendance:
- Peter Chudleigh (RMS)
- Kamlesh Prajapati (RMS)
- James Diamond (Fulton Hogan)
- Toby Hobbs (Vantage)

### Date of Inspection:
21 May 2019

### Project Identified as High Risk for ESC:
Yes

### Weather Conditions:
Sunny, 27°C

### Status:
- Green

### No. Location | Issue/Comment | Code | Risk | Action | Close Out Date
--- | --- | --- | --- | --- | ---
3 | Gate 20 | Active dust suppression in progress at time of site visit. New diversion channel has been installed for managing up-slope water. Final scour-rock placement is still required at inlet and some minor areas of hydroseeding yet to be completed. Additional er/sed controls for batter adjacent to East-West link needed to ensure ongoing clean and dirt water segregation. | ESC-DAU | Low | Drain covered with fabric and awaiting permanent rock scour treatment | 24/05/19
|  |  |  |  | Batter hydromulched | 31/05/19
### ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 21 May 2019

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**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**WEATHER CONDITIONS:** Sunny, 27°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

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- [Photo 1](#)
- [Photo 2](#)
- [Photo 3](#)
# ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 21 May 2019

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**WEATHER CONDITIONS:** Sunny, 27°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

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<thead>
<tr>
<th>NO.</th>
<th>LOCATION</th>
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</thead>
<tbody>
<tr>
<td>4</td>
<td>Grevillea Street CEEC Reserve</td>
<td>Exclusion zone fencing and signage noted to be in place for retained EEC vegetation.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
</tbody>
</table>

**STATUS:** Green
**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**DATE OF INSPECTION:** 21 May 2019

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**WEATHER CONDITIONS:** Sunny, 27°C

**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes

**STATUS:** Green

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<tbody>
<tr>
<td>5</td>
<td>CRSC Stage 2 works</td>
<td>Remaining amenities buildings demolished and perimeter controls in place.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
</tbody>
</table>
**PROJECT:** Albion Park Rail bypass  
(Stage 2 - Yallah to Oak Flats)  

**DATE OF INSPECTION:** 21 May 2019  

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<tbody>
<tr>
<td>6</td>
<td>Frazers Creek diversion</td>
<td>Previously identified issues have been closed-out and works are progressing well. No evidence of water quality degradation observed.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
</tbody>
</table>
# ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)  
**DATE OF INSPECTION:** 21 May 2019  
**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan  
**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).  
**WEATHER CONDITIONS:** Sunny, 27°C  
**PROJECT IDENTIFIED AS HIGH RISK FOR ESC:** Yes  
**STATUS:** Green

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<tbody>
<tr>
<td>7</td>
<td>Fill 9</td>
<td>Working layer/drainage blanket has commenced. Fabric in place as perimeter control.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Macquarie Rivulet and Fill 4</td>
<td>Former dam has been de-watered and filling has commenced. Piling pads under construction. New drainage to Macquarie Rivulet has been stabilised. It is noted that a good effort is being made to maintain some pondage for habitat enhancement at site of former dam.</td>
<td>GEN-POS</td>
<td>N/A</td>
<td>Noted</td>
<td></td>
</tr>
</tbody>
</table>
### ENVIRONMENTAL INSPECTION REPORT

**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**DATE OF INSPECTION:** 21 May 2019

**WORKS UNDERTAKEN BY:** Contractor – Fulton Hogan

**ATTENDEES:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

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# Environmental Inspection Report

**Project:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)

**Works Undertaken by:** Contractor – Fulton Hogan

**Date of Inspection:** 21 May 2019

**Attendees:** Peter Chudleigh (RMS), Kamlesh Prajapati (RMS), James Diamond (Fulton Hogan) and Toby Hobbs (Vantage).

**Weather Conditions:** Sunny, 27°C

**Project Identified as High Risk for ESC:** Yes

**Status:**

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<th>Action (Contractor or RMS)</th>
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</tr>
</thead>
<tbody>
<tr>
<td>9</td>
<td>Gate 2 / Duck Creek</td>
<td>Controls to protect creek are in place. Batters have been stripped with sumps and mulch bunds in place. Some additional soil binder/re-shaping/sediment fence would be beneficial on western side of works.</td>
<td>ESC-DAU</td>
<td>Low</td>
<td>Haul road moved to the west and bund reinstated and stabilised.</td>
<td>03/06/19</td>
</tr>
</tbody>
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**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)  

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<tr>
<td>10</td>
<td>Gate 11 / Macquarie Rivulet</td>
<td>Perimeter controls (mulch bunds, sediment fencing, soil binder) adjacent to channel have been installed. Where possible, vegetation cover has been retained on banks. Some under-cut areas are present so banks should be monitored for potential instability/erosion.</td>
<td>ESC-DAU</td>
<td>Low-Medium</td>
<td>Fulton Hogan to monitor Rivulet bank for potential instability.</td>
<td></td>
</tr>
</tbody>
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**PROJECT:** Albion Park Rail bypass (Stage 2 - Yallah to Oak Flats)  

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</table>

![Image of the river bank with trees and a boat]
LEGEND

RECOMMENDED TIMEFRAMES FOR RISK RATING FOR COMPLETION OF ACTIONS

<table>
<thead>
<tr>
<th>Timeframe</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>URGENT</td>
<td>To be addressed straight away and closed out on the day of inspection</td>
</tr>
<tr>
<td>HIGH</td>
<td>Within 24hrs*</td>
</tr>
<tr>
<td>MEDIUM</td>
<td>Within 3 Working Days*</td>
</tr>
<tr>
<td>LOW</td>
<td>Within 5 Working Days*</td>
</tr>
</tbody>
</table>

* To be completed sooner if adverse weather conditions predicted

1 The format of this Environmental Inspection Report is based on the Roads & Maritime Services Guidance Note: Environmental Inspection Reporting (June 2015)

ENVIRONMENTAL STATUS

- **Red**
  - actions required to address urgent risk issues.
  - satisfactory actions not taken for high risk issues identified on the previous inspection.
  - a Category 1 incident has been identified during the inspection.

- **Amber**
  - actions required to address high and/or medium risk issues.
  - satisfactory actions not taken for previous medium or low risk issues on the previous inspection.

- **Green**
  - actions required to address low risk issues that will not directly cause environmental harm.
  - site demonstrates good environmental management with no action required to avoid environmental harm.
Appendix B

Summary of ER Certifications and Approvals
## APRB Stage 2 Infrastructure Approval Reporting Requirements

<table>
<thead>
<tr>
<th>Plan/Report Title</th>
<th>Date of Issue of ER Endorsement</th>
<th>Consistent with Infrastructure Approval Conditions?</th>
</tr>
</thead>
<tbody>
<tr>
<td>Staging Report, Rev. 0, 09 February 2018 (prepared for Stage 1 works)</td>
<td>15 February 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Compliance Tracking Program, Rev. 0, 09 February 2018</td>
<td>16 February 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Unexpected Heritage Items – Heritage Procedure 02, November 2015</td>
<td>29 June 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Complaints Management System, Rev. 3, 10 September 2018</td>
<td>17 September 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Environmental Audit Program, Rev. 4, 18 September 2018</td>
<td>20 September 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Pre-Construction Compliance Report, Rev. 5, 02 October 2018</td>
<td>02 October 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Sustainability Strategy, Rev. 1, 02 October 2018</td>
<td>08 October 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>EWMS 1: Geotechnical Investigation and Services Potholing, Rev. 10a, 29 October 2018</td>
<td>29 October 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Incident and Emergency Response Plan, Rev. 3, 07 November 2018</td>
<td>08 November 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Community Communication Strategy, Rev. 6, 13 November 2018</td>
<td>13 November 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Ancillary Facilities Management Plan, Rev. 7, 15 November 2018</td>
<td>15 November 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>EWMS 3: Site Compound AS06 Establishment, Rev. 2, 16 November 2018</td>
<td>22 November 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>EWMS 5: Aboriginal Artefact Salvage Works, Rev. 1, 03 December 2018</td>
<td>04 December 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>EWMS 4: Structural Demolition and Asbestos Removal Work, Rev. 1, 05 December 2018</td>
<td>05 December 2018</td>
<td>Yes</td>
</tr>
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<tr>
<td>---------------------------------------------------------------------------------</td>
<td>---------------------------------</td>
<td>---------------------------------------------------</td>
</tr>
<tr>
<td>Aviation Management Plan (incl. Method of Working Plan), Rev. 5, 17 December 2018</td>
<td>17 December 2018</td>
<td>Yes</td>
</tr>
<tr>
<td>Operational Noise Mitigation Report, Rev. 2, 11 December 2018</td>
<td>23 January 2019</td>
<td>Yes</td>
</tr>
<tr>
<td>Urban Design and Landscape Character Strategy, Rev. D, 20 December 2018</td>
<td>04 February 2019</td>
<td>Yes</td>
</tr>
<tr>
<td>Flood Mitigation Measures Review (Flooding and Scour Assessment, Rev. 3, 18 December 2018)</td>
<td>04 February 2019</td>
<td>Yes</td>
</tr>
<tr>
<td>Division 5.2 and EPBC Act Approval Consistency Assessment Report – Yallah Road Underpass (Rev. 3 May 2019)</td>
<td>03 May 2019</td>
<td>Yes</td>
</tr>
</tbody>
</table>