

FINAL Minutes

WestConnex M4-M5 Link Tunnels AQCCC Meeting #8

Date	19/07/2022		
Time	6.00pm – 7.15pm		
Venue	Videoconference		
Independent Chair	Abigail Goldberg	Chair and Director	GoldbergBlaise
Attendees	Peter Bridge	Community representative	Haberfield
	Brian Smyth King	Community representative	Haberfield
	Karyn Hemming	Community representative	St Peters
	Alistair Wardrope	Community representative	St Peters
	Terry Chapman	Project Director	WestConnex
	Matthew Callander	Fire Life Safety and Integration	WestConnex
	Karina Wilson	Community Engagement Advisor	WestConnex
	Nick Francesconi	Environment and Planning Manager	WestConnex
	Kris Hincks	Operations and Maintenance	WestConnex
	Peter Redwin	Head of Operations and Maintenance	WestConnex
	Kendall Banfield	Senior Transport Planner	Inner West Council
	Martin Howe	Environment Manager	ASBJV (Contractor)
	Courtney Moran	Senior Environment Officer	Transport for NSW (observer)
	Rob Sherry	Team Leader Compliance	DPE (observer)
	Julian Thompson	A/Director Regulatory Operations Metro	EPA (observer)
	Katherine Purdy	Operations Officer Regulatory Metro	EPA (observer)
Guest presenter	Aleks Todorovski	Air Quality Consultant	Todoroski Air Sciences
Apologies	Steve O'Brien Manod Wickramasinghe Dr Ian Longley	Community representative Traffic and Transport Planning Manager Independent Air Quality Specialist	Haberfield Inner West Council NIWA NZ

Agenda Items		Action
1.0	Welcome and actions from previous meeting: The Chair welcomed participants and noted apologies. She advised that the following actions from the previous meeting have been carried forward as agenda items: <ul style="list-style-type: none"> • Landscaping and local area maintenance coordination See Item 3.0 • Analysis of ambient air quality monitoring data – implications of power outage at Ramsay Street See Item 4.0 	
2.0	Community items No additional items were raised by community representatives, noting that representatives had been consulted regarding the draft agenda.	

Agenda Items	Action
<p>3.0 Landscaping and local area maintenance coordination</p> <p>Kris Hinks presented slides including maps attributing maintenance responsibilities to Council, WestConnex and Transport for NSW for project-related surface locations. Kris also detailed the frequency of timing for inspections and maintenance activities.</p> <p>Kendall Banfield expressed his support of the allocations of responsibility. He noted that Council was struggling at present to keep up maintenance activities due to a combination of staff requiring sick-leave and unusually wet weather conditions.</p> <p>Community representatives thanked the WestConnex team for their efforts, and acknowledged that maintenance has improved at Haberfield locations.</p> <p>Community representatives sought clarity as to who to contact when maintenance issues arise. Agreed that the maintenance allocation maps would be placed online, ideally on websites for all three parties, and ideally linked. Kendall Banfield, Kris Hinks and Courtney Moran indicated that they were happy to be key contacts, however both the project and Council's websites offer a front-door for complaints if needed.</p> <p>Community representatives raised concerns regarding:</p> <ul style="list-style-type: none"> • The project site for worker parking on Parramatta Road between Bland and Alt Streets, where litter is frequently deposited that then blows out into community areas. Nick Francesconi and Martin Howe undertook to inspect this site this week. • Footpaths in Haberfield, which have not been repaired despite funding being provided for this. Kris Hincks advised that a Heads of Agreement with Council was in the process of being finalised to address this matter. Once finalised, the money for repairs will be transferred, enabling the footpath condition to be addressed. <p>The Chair thanked the project team for actioning these items, noting that they fall outside the scope of the AQCCC, but that no other forum for addressing such community concerns has been established.</p>	<p>WestConnex, Council and Transport for NSW to place maintenance allocation maps online, ideally linked.</p> <p>Kendall Banfield, Kris Hinks and Courtney Moran to be key contacts for community complaints, however both the project and Council's websites offer a front-door for complaints if needed.</p> <p>WestConnex to inspect the site of worker parking in relation to litter and general cleanliness.</p> <p>WestConnex and Council to progress finalisation of the Heads of Agreement that will enable funding to be transferred between the groups and footpaths to be repaired.</p>
<p>4.0 Analysis of ambient air quality monitoring data – implications of power outage at Ramsay Street</p> <p>Martin Howe introduced Aleks Todorovski, who confirmed his credentials as an independent air quality expert. Martin explained that Aleks had been engaged to investigate the data implications of the loss of two months of air quality data at the Ramsay Street Air Quality Monitoring Station (AQMS), as notified at the preceding meeting.</p> <p>Aleks presented a slide deck explaining his approach to the matter, noting also the potential for data substitutes. Overall Aleks reported that whilst missing two months of data at one of the sites is not ideal, there is no likely significant effect on the veracity of any conclusions and analyses that can be made using the available data.</p>	

Agenda Items	Action
<p>Aleks' report (slide deck) regarding his investigations into and findings related to the data gap will be made public by being posted on the project website as part of the record of meeting proceedings.</p> <p>Matt Callander provided a report for participants as agreed at the preceding meeting as follows:</p> <ul style="list-style-type: none"> • The implications of the data gap have been addressed by Aleks Todorovski, as above. • Nevertheless, Matt reiterated the seriousness of the failure in protocols and acknowledged the concerns community representatives have expressed regarding both the gap in data and the failure of protocols. • He reported on investigations into how and why the problem occurred, advising that these have indicated that a combination of human error and administrative error, compounded by faults in communications between relative organisations, led to the issue. • Matt noted that a number of measures have been put in place to prevent such an issue recurring, including: <ul style="list-style-type: none"> ○ Introduction of an hourly automated fault notification process to provide early warning of any emerging issues as well as oversight of EcoTech's response. ○ Daily data reconciliation by EcoTech, monitored by the WestConnex team. • Nick Francesconi advised that weekly site inspections of the AQMS have also been introduced to mitigate against such an issue recurring. <p>Community representatives observed that the response provided was rigorous overall. It was repeated that the incident had affected the community's trust and level of confidence in the project, however the report as outlined above had confirmed for community representatives that the matter had been appropriately addressed.</p>	
<p>5.0 Overview of air quality complaints received</p> <p>Karina Wilson advised that no operational complaints regarding air quality had been received since the last meeting.</p> <p>She provided an update on a site visit by the Hon. Minister Ben Franklin, Minister for Aboriginal Affairs, who had visited the Campbell Road ventilation facility artwork with the artist's daughter, Marilyn Russell. Community representatives observed that the artwork had improved the reflection of light to buildings facing it.</p>	
<p>6.0 Appointment of independent operational air quality monitoring auditor (paper provided inter-session)</p> <p>Kris Hincks confirmed the nomination of Northstar Air Quality, specifically Gary Graham, to undertake the role of independent operational air quality monitoring auditor in accordance with the Minister for Planning's M4-M5 Link Condition of Approval E37. He</p>	

Agenda Items	Action
<p>noted that Gary's credentials and experience were suitable for the role, and that Gary had confirmed his independence.</p> <p>The Chair observed that she had queried why a single nominee had been provided. Kris advised that the availability of appropriately qualified and experienced, independent auditors was challenging, but that Gary provided the right skills as well as independence.</p> <p>AQCCC members acknowledged the receipt of the paperwork, including Gary's CV, provided inter-session as well as the small pool of appropriate auditors, and supported the proposed auditor. Consultation with the AQCCC was agreed to have been appropriately undertaken.</p>	
<p>7.0 Project update</p> <p>Nick Francesconi provided a project update, noting that the road pavement grinding had commenced to remove imperfections and line marking had also commenced. Mechanical and engineering works at Haberfield were well underway and nearing completion.</p> <p>Dismantling of acoustic sheds had commenced and was being progressed without issue.</p>	
<p>8.0 Administrative items:</p> <p>The meeting schedule going forward was confirmed as:</p> <ul style="list-style-type: none"> • Q4, Meeting 9: 8 November 2022 	
<p>9.0 Questions / Other business</p> <p>Martin Howe advised that planned maintenance of the AQMS was scheduled for Thursday 21 July.</p> <p>The Chair thanked Nick Francesconi for his efforts on behalf of the AQCCC, as well as for always being responsive to matters raised. Nick advised that Verity Turner would be returning from maternity leave this month.</p>	
<p>10.0 Thanks and close</p> <p>The Chair thanked members for their participation. The meeting closed at 7:15pm.</p>	

M4-M5 Link Air Quality Community Consultative Committee 19 July 2022



Agenda Items		Responsibility
1.0	<p>Welcome and actions from previous meeting:</p> <ul style="list-style-type: none"> Landscaping and local area maintenance coordination (<i>Kendall Banfield and WestConnex team to report back</i>) (see Item 3.0) Analysis of ambient air quality monitoring data – implications of power outage at Ramsay Street (<i>WestConnex to report back re:</i> <ul style="list-style-type: none"> <i>Implications of the data gap.</i> <i>Investigations into how and why the problem occurred, as well as measures that are to be put in place to prevent such an issue recurring.</i> <i>Progress with report preparation.</i>) (see Item 4.0) 	Abigail Goldberg
2.0	Community items	Community representatives, Inner West Council
3.0	Landscaping and local area maintenance coordination	Inner West Council, WestConnex team
4.0	Analysis of ambient air quality monitoring data – implications of power outage at Ramsay Street	WestConnex team
5.0	Overview of air quality complaints received	Karina Wilson
6.0	Appointment of independent operational air quality monitoring auditor	Kris Hinks
7.0	Project update	Terry Chapman
8.0	<p>Administrative items:</p> <ul style="list-style-type: none"> Meeting schedule going forward: <ul style="list-style-type: none"> Q4: 8 November 2022 	Nick Francesconi
9.0	Questions / Other business	Abigail Goldberg
10.0	Thanks and close	Abigail Goldberg

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2. Community Items

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|  **Transurban**

3. Landscape and local area maintenance

Responsibilities

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- Weekly inspections and monthly maintenance activities undertaken by the O&M contractor, Fulton Hogan Egis O&M. these works are tracked in the Asset Management System Maximo
- Maintenance activities are undertaken in accordance with TfNSW landscape specifications and the Scope of Work and Technical Criteria and the Code of Maintenance Standards
- To allow for greater oversight, WestConnex have implemented additional landscape inspections by WCX Asset Inspectors on a weekly basis
- If the Inspectors identify maintenance needs on Council or TfNSW land, this will be flagged with them respectively

4. Ramsay Street Ambient Air Quality Station

Martin Howe and Aleks Todoroski

WestConnex

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5. Overview of Air Quality Complaints

WestConnex

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No complaints received since 17 May 2022.

Indigenous public artwork in St Peters

Movement of Shells, Movement of Time

WestConnex

Transurban



6. Nomination of Independent Auditor

CoA E37 and E38

- Condition E37 and E38 states :

E37 The Proponent must engage a person independent from the design and construction of the CSSI, to audit the air quality monitoring (in-tunnel and ambient) for the CSSI at six (6) monthly intervals following commencement of operation of the CSSI, or at any longer interval if approved by the Secretary.

E38 The Proponent must consult with the EPA and **AQCCC** before nominating the proposed auditor to the Secretary. Operation of the CSSI must not commence until the auditor's appointment is approved by the Secretary.

- WestConnex would like to nominate **Northstar Air Quality**, specifically **Gary Graham** to undertake the role of independent expert.
- Gary Graham has extensive experience in completing air quality impact assessments on major infrastructure projects, and road tunnel projects. These include but are not limited to the following:
 - NorthConnex Peer Review, NSW
 - WestConnex, Stage 1 M4 East, Independent Auditor, (Conditions E8, E24) DPI&E, NSW
 - Sydney Harbour Bridge Lead Paint Removal Compliance and Verification, NSW
- Gary Graham has provided a declaration of independence and curriculum vitae (see attached) as required by the independent audit post approval requirements from the Department of Planning, Industry and Environment. In terms of involvement within the M4-M5 Link project, Northstar Air Quality have not performed other works for the O&M Contractor therefore we believe their independence is maintained.

7. Project Update

WestConnex

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St Peters ventilation building works completion June



Wattle Street Cut and Cover works

7. Project Update

WestConnex

Transurban




St Peters cavern line marking complete June 2022.



M&E works underway at Haberfield, May 2022.

8. Administrative items

WestConnex

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Meeting 9: 8th November 2022

Assessment of baseline air quality monitoring data, Ramsay Street

Aleks Todoroski

19 July 2022



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Introduction

- ✦ Aleks Todoroski, BE(Mech), >30 years experience in air quality, in government and private sectors.
- ✦ Independent review of various Motorway Projects.
- ✦ Asked to examine the effect of approximately 2 months of missing air quality data (7 March to 5 May 2022) at Ramsay Street, Haberfield.



What are the data for?

- ✦ To evaluate the significance of missing 2 months of data one needs to understand what the purpose of the data is/ how it is to be used.
- ✦ Conditions in the Project Approval (SSI 7485) require at least 12 months of data to be collected prior to operation, and for 2 years after operation. The conditions seek to assess whether the project performs as expected.
- ✦ In brief, at least a year of baseline data is needed to characterise air quality prior to operation.



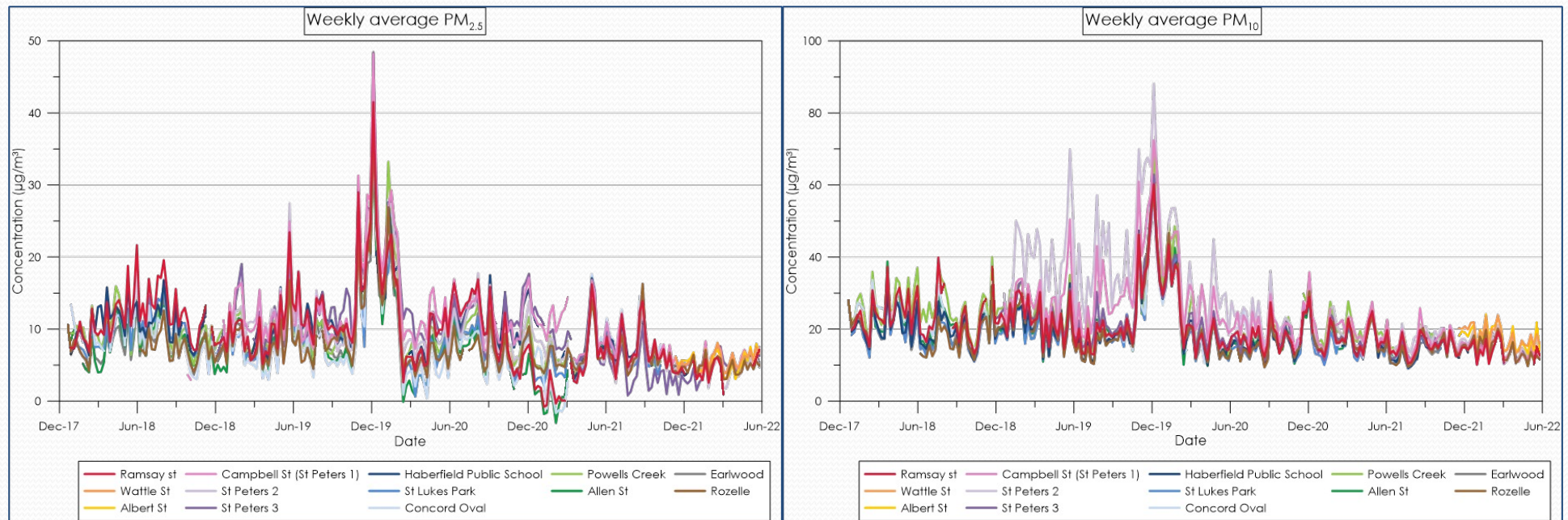
Are the condition requirements met?

There are several years of monitoring data available, which indicate:

- ✦ The data follow the expected trends, and respond to the environmental conditions, including drought, bushfires, dust-storms, reduced traffic activity during Covid lockdowns, and recent wet conditions. The data are sensible spatially, sites near roads have higher NO₂ levels than sites away from roads etc. Overall, there are several years of reliable data for the general area.
- ✦ There appear to be sufficient data available to meet the aims of the conditions.
- ✦ Some potential options for accounting for the missing data were examined, including using other years' data, or substituting other sites.

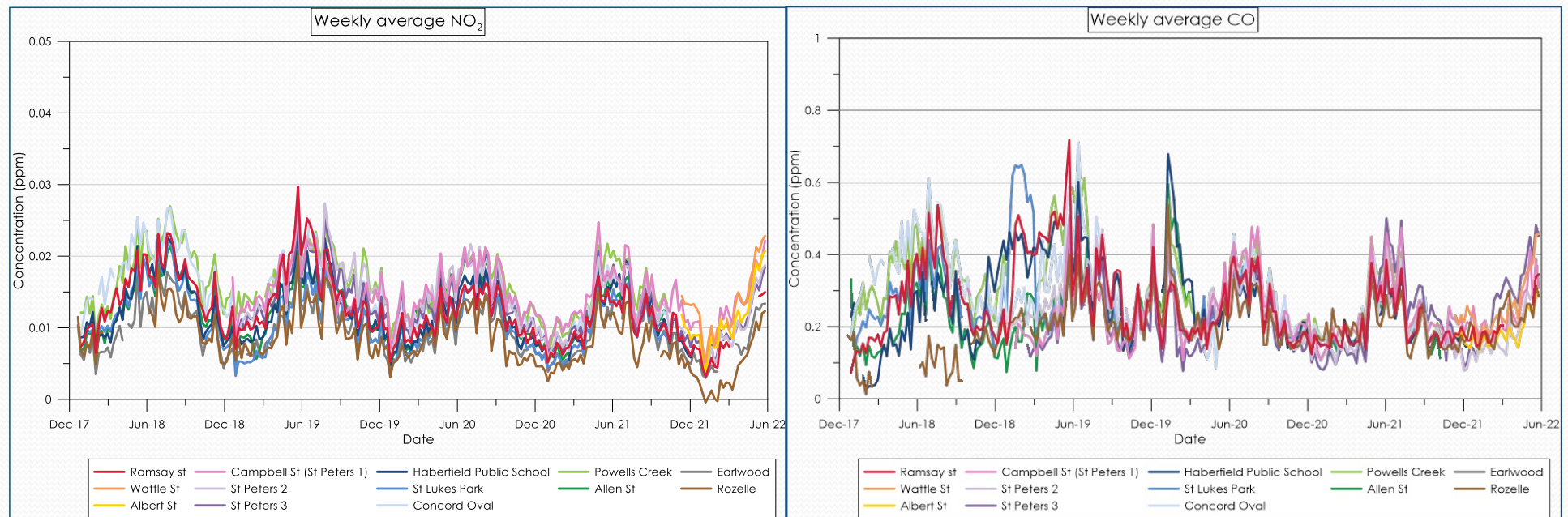


Data comparison example (one of many possible options)



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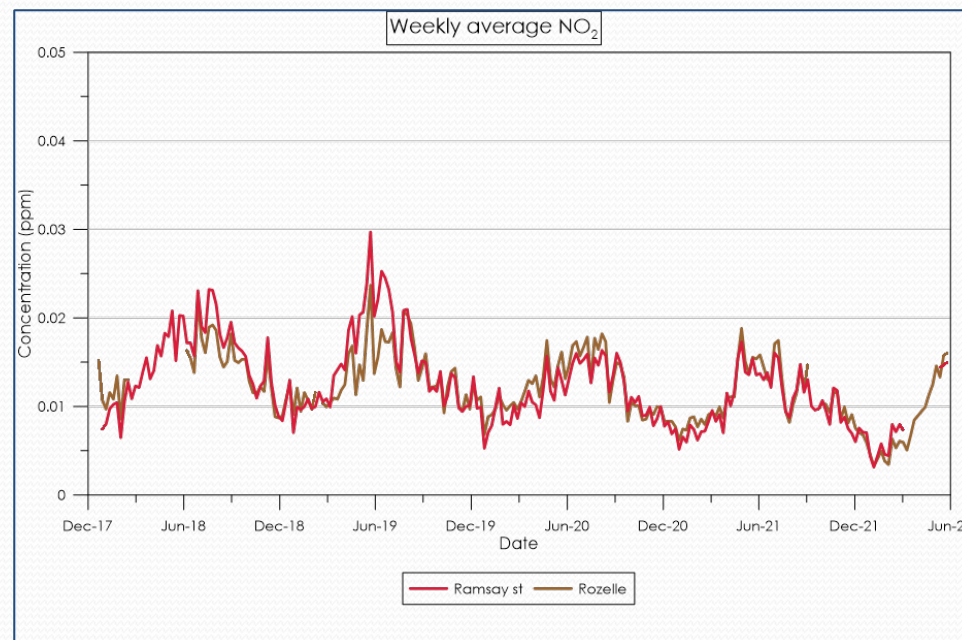
Data comparison example (one of many possible options)



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Data comparison example (one of many possible options)

- ✦ Rozelle vs. Ramsay street: analysis indicates no statistically significant difference for PM_{2.5} and PM₁₀, but not for NO₂ and CO data.
- ✦ Adding 0.0037ppm NO₂ to the Rozelle data shows close agreement.



Conclusions

- ✦ Several years of data at many locations adequately characterise baseline air quality, consistent with the aims of the Approval Conditions.
- ✦ The available data appear to be sensible and reliable; show expected trends at each site, and spatially.
- ✦ The available baseline data subjected to a detailed review when assessing project performance (after operations commence), per the Approval Conditions.
- ✦ Many potential options for analysing the data (i.e. noting 2 months missing for Ramsay Street in 2022), just one example is provided here.
- ✦ Overall, whilst missing two months of data at one of the sites is not ideal, there is no likely significant effect on the veracity of any conclusions and analyses that can be made using the available data.

