

13 February 2025 LWC Reference – QI-01

Regina Flugge Environment Lead Leichhardt Salt Pty Ltd Suite A7, 435 Roberts Rd, Subiaco, Western Australia 6008

RE: Response to Independent Reviewer Comments for the July 2024 Groundwater and Surface Water Monitoring Event and Logger Install Report

Dear Regina,

Please refer to Table 1-1 which presents Land & Water Consulting's response to the comments provided in the following document:

■ Hydro Geo (2025) Eramurra Salt – July 2024 Groundwater Monitoring Event And Logger Data Collection: Review Prepared for Leichhardt Salt Pty Ltd by Hydro Geo Enviro Pty Ltd on 10 February 2025

Please note that only comments considered to require actions/ amendments in the report have been copied into the table below.

Table 1-1 – Response to Comments

Comment Requiring Action	Response	
Responses to general comments – where considered necessary		
As of January 2024, an additional 10 groundwater monitoring wells were installed across the site, providing a total of 21 groundwater wells within the monitoring well network. The current well network is considered predominantly suitable to establish both a baseline understanding of the system and ongoing monitoring assessments during operations. The network would benefit from several additional groundwater monitoring bore sites; these were recommended previously (HE 2023) and are also discussed herein. We acknowledge that our suggestions for additional sites may not be suitable based on land tenure or ground conditions etc. and are happy to discuss a compromise as required by Leichhardt.t	It is understood that the GMMP will be updated in future and discussion of new groundwater monitoring well locations can be undertaken at such time.	
We also note that while many of our recommendations have been addressed, some of the comments on related documents (HydroGeoEnviro GW modelling and previous monitoring event reviews) are again not reflected as addressed in the December 2024 report. Examples include revising the filtering regime of water sampling and quarterly manual groundwater measurements and logger downloads. Revisiting previous reviews and incorporating the recommendations is encouraged.	The filtering regime was amended for the subsequent February 2025 monitoring event (i.e. groundwater samples were field filtered with a 0.22 um filter as well as separately with a 0.45 um filter). The results will be reviewed and discussed as part of the February 2025 monitoring event. Quarterly manual logger downloads are being undertaken by Leichhardt. LWC is able to undertake these data logger download events as well as collect water levels/ field parameters at such time or, alternatively, LWC can train or provide advice to Leichhardt for the collection of the additional field data. Please advise preferred approach.	
Responses to recommendations		
Increased accuracy of manual groundwater level measurements The matches between logger data and manual water level measurements are often poor. This needs to be rectified for future monitoring periods and commentary on individual groundwater monitoring bore hydrographs is provided at the end of this document. Deploying loggers on marine grade stainless steel wires (316SS) and attaching wires to the inner PVC of bores is recommended. Manual groundwater levels should be recorded along with a date and time. This time should be synchronised to the time on the corresponding data logger. Whenever a data logger is removed for download a manual level should be taken before, and again after the logger has been redeployed. Removing data loggers before any sampling occurs is also recommended to prevent various field equipment getting entangled downhole and to remove any possible sample pumping interference. HydroGeoEnviro has extensive field experience with installation and conducting monitoring using dataloggers in similar settings and can provide further advice if requested.	The recommendations are noted. LWC can provide a quote for the purchase and installation of marine grade stainless steel at all logger locations. In the next fortnight LWC will review the accuracy of the data logger data retrieved during the February 2025 monitoring event for accuracy issues. Further, following the completion of Leichhardt's next manual data logger retrieval (and gauging, as per HydroGeo's recommendations), LWC can assist Leichhardt with the review of the data. Please advise the preferred approach.	
Groundwater levels should be manually monitored more frequently than biannually, especially given the issues which are occurring. Quarterly manual groundwater level monitoring and logger downloads are recommended for at least the first 5 years of the project. A more regular logger download schedule will: - minimise the impact of any equipment failure (or equipment loss); - allow manual measurements at the logger sites to be collected to help with correcting any instrument/measurement drift; and - ensure the data from these sites is as continuous and accurate as possible. This will ensure suitable data are captured to provide an understanding of groundwater level fluctuations that are important for groundwater recharge and discharge dynamics, and groundwater model calibration. Detailed water quality (laboratory analysis) biannually is appropriate and basic field water quality parameters should be collected as frequently as is feasible (i.e. during manual water level measurements).	Noted. Quarterly manual logger downloads are being undertaken by Leichhardt. LWC is able to undertake these data logger download events as well as collect water levels/ field parameters at such time or, alternatively, LWC can train or provide advice to Leichhardt for the collection of the additional field data. Please advise preferred approach.	



Comment Requiring Action	Response
Visit all surface water sites in sampling event	Noted.
The July 2024 sampling event visited only accessible sites on route to surface water data logger locations. All sites should be visited (where accessible), and accessibility should be considered when planning fieldwork to maximise the number of sites able to be visited.	Given that the July 2024 monitoring event was a groundwater monitoring event and data logger download event only, this was outside of the scope of works. However, for future similar sampling events, LWC can allow additional time to visit all surface water sampling locations. This can be included in the proposal for such future works, as required.
Include rainfall event-based sampling A number of the surface water sampling sites have been predominately (in some cases always) dry. There could be some consideration of some rainfall event-based sampling (where mobilisation for sampling only occurs when a rainfall event sufficient to cause runoff is forecasted). This would improve the quality and baseline functionality of data collected. There could also be some consideration of using stage auto surface water samplers to collect rainfall event-based samples.	A targeted surface water sampling event was successfully undertaken in February 2025. Leichhardt have also been provided with costs for targeted surface water sampling events. In our experience with automatic surface water samplers, the following limitations should be considered: The units do require oversight i.e. someone will need to deploy the units close to a time of expected rainfall and then check that the units have been triggered when required i.e. that the samples were actually connected. The units can be temperamental depending on battery charge/ conditions The units can be quite large and difficult to conceal which may be an issue in accessible areas where theft may be of concern These units are best applied when assessing variations in water quality over a 24 hour period (i.e. collection of multiple samples over a short period) rather than collecting grab samples of water quality in a watercourse reflective of general quality.
Installation of additional monitoring bores The previous HydroGeoEnviro review of the GMMP (HGE 2023) recommended gathering greater information regarding groundwater inputs into McKay Creek, and Devils Creek/Pool. Little is known about the current connection to groundwater at Devils Pool. The newly installed groundwater monitoring bores (drilled Jan 2024) have filled some of these knowledge gaps (e.g. MB33S and D adjacent to McKay Creek) but several recommended sites from the HydroGeoEnviro GMMP review have not been addressed: 2 additional shallow bores upgradient of the concentrators, 1 near SW09 and one west of SW03 to help define inflowing groundwater quality and water table elevation. Shallow bore/s downstream of the crystalliser and recovery areas immediately north of SW12. It is likely that the site conditions here are challenging for drilling so possibly a shallow hand auger installed bore may be the best installation method.	It is understood that the GMMP will be updated in future and discussion of new groundwater monitoring well locations can be undertaken at such time.
 Data inclusion and presentation of figures Suggested inclusions for subsequent reporting periods include: A figure/s with the project's infrastructure and monitoring site locations (e.g. add sites on Figure 3 to Figure 1 and include as an additional figure). In Appendix E it is recommended rainfall be displayed as a bar graph (not as a line). 	A new Figure 3b has been included. The amendments to the hydrographs will be made during the February 2025 monitoring event reporting.
Responses to specific comments	
Comment - It is suggested rinsate screening samples have anions and cations included as metals are very low concentrations so cross contamination will be hard to detect based on metals alone. And The trip blank should be analysed for the entire analytical suite to ensure that any compounds detected in the sample were not the result of contamination during the handling/sampling process used for the samples prior to analysis. Both these updates were recommended in our previous review (HGE 2024).	Samples for the July 2024 monitoring have been disposed of. These recommendations have been adopted for the February 2025 monitoring event. No changes have been made to the report text.
Page 20 – "Note that during the July 2024 monitoring event only surface water monitoring locations that were enroute to data logger locations were inspected/ sampled. Of these locations, surface water was only present at two locations (SW01 and SW14)." Comment – Why were all SW monitoring locations not visited in July 2024? Recommendations regarding event-based sampling have been included herein.	Given that the July 2024 monitoring event was a groundwater monitoring event and data logger download event only, this was outside of the scope of works. However, for future similar sampling events, LWC can allow additional time to visit all surface water sampling locations. This can be included for the proposal for such future works, as required. No changes have been made to the report text.
 "1 dedicated barometric pressure logger were accessed and data downloaded." Comment – Table 4-7 shows two barometric sites that were accessed, both of these dataloggers were full and reset. Data is missing from Dec 2023 – July 2024. It appears two additional barometric loggers were installed (Table 4-8 and 4-9) but no installation data are listed in the table. These tables should be updated in future monitoring events and more details around barometric data compensation methods should be provided. It would be helpful to keep a record of when large low-pressure systems (e.g. cyclones) are present as this would provide a crude quality assurance check on the barometric logger dataset. 	The note at the bottom of Table 4-7 states that the Barro-Loggers installed as LOG_MBH10 and LOG_MBH19 were utilised within groundwater wells to record water levels and not atmospheric pressure. Similarly, the note at the bottom of Table 4-8 states that the Barro-Logger installed as LOG_MC04 – Pt1 was utilised to record water level rather than atmospheric pressure. These units deployed were those that were provided to LWC. Data is missing from Dec 2023 to July 2024 for MBH10 and MBH19 as the units were full of data and stopped recording during this time. During the recent data logger monitoring event, the units were able to be re-set to record data for a longer period to avoid this issue recurring. The details presented in Table 4-9 are those that were available to LWC at the time of reporting. New barro-loggers were installed during the February 2025 monitoring event and installation data will be included in the report. Future reports will include additional details about barometric data compensation methods as well as include details of large low pressure systems to assess that the units have captured these appropriately. The notes for Table 4-8 have been updated.



Comment Requiring Action	Response
 Page 23 – "The difference or drift between the logger data water level and gauged water level upon retrieval was calculated. The difference between the two values was generally less than 0.5 m with the exception of MB33S, MB33D and MB35S." Comment – This drift needs to be reduced. Half a metre drift does meet industry expectation of the accuracy necessary for this monitoring in our opinion. This will hamper the utility of these data to be used for modelling or impact attribution. The position of the logger within the bore (e.g. reinstalled at a different depth) should be investigated to explore these drifts, this has been suggested for MB33D. A practical way to overcome this could be to attach a weight to the logger during installation to prevent the loggers line 'sticking' to the sides of the bore. It is also recommended loggers are deployed on marine grade stainless steel cable (and ubolts) to prevent sticking. Also, groundwater elevation should be corrected for salinity. It may be that the best way forward is to engage a hydrographer to assist for some monitoring rounds to help address these issues and improve field standard operating procedures. 	Noted. In the next fortnight LWC will review the accuracy of the data logger data retrieved during the February 2025 monitoring event and make recommendations for the amendment to the data logger management including support, or otherwise, for the recommendation of utilising marine grade wire and weights for the deployment of the loggers. Further, following the completion of Leichhardt's next manual data logger retrieval (and gauging, as per HydroGeo's recommendations), LWC can assist Leichhardt with the review of the data. LWC can provide a quote for the purchase and installation of marine grade stainless steel at all logger locations. Please advise the preferred approach. No changes have been made to the report text.
Page 23 — "It is noted that salinity corrected groundwater elevation has not been considered and may contribute to the observed differences in water level, principally for wells with elevated salinity" Comment — as noted in the previous comment, data should be corrected for salinity but we acknowledge the best way to do this is via a groundwater model. Some sites are highly saline and this correction may account for some of the large drifts in the hydrograph dataset but we believe that other factors as described herein are the dominant causes of this issue.	LWC is able to discuss this approach with CDM Smith to see if the existing model can be utilised in this way. No changes have been made to the report text.
Page 23 –	Refer to previous comment.
"In some instances, the cord may 'stick' to the well casing (predominantly in deep wells). The data logger cord could be replaced with dedicated, low stretch cord during the next GME." Comment – See recommendation above regarding deploying logger on marine grade stainless steel cable (with u-bolts) and/or adding a weight to prevent sticking.	No changes have been made to the report text.
Page 23 – "To facilitate Leichhardt's interim retrieval of data logger data (in between GMEs), following sampling, the dedicated well tubing could be removed from each well (and stored in dedicated containers to prevent cross contamination of tubing). This may reduce the occurrence of loggers becoming caught on tubing during retrieval and subsequent redeployment."	Following discussion with Leichhardt, it was determined that the removal of tubing within the well is not a significant issue when retrieving data logger data. Leichhardt advised that the re-deployment method is such that the loggers are hanging free upon re-deployment. Consequently, there are no current plans for the removal of tubing between monitoring events.
Comment – We currently understand that the tubing that is used to pump the groundwater sample is left within the bore. If this is correct, then yes it is a good idea to remove between sampling events. An alternative option, if practical, could be to have a decontaminant in the field (such as Decon-90) to use on tubing between individual bores to prevent contamination. The same reel of tubing could then be used for all samples, if decontaminated correctly between each site. This would require stringent decontamination procedures and we acknowledge that the use of individual tubes may be the most practical way to minimise cross contamination.	The use of a single reel of tubing followed by decontamination between locations is not considered practical for these works. The recommendation to remove tubing has been removed.
<u>Page 23 –</u>	New barometric loggers had been installed at the Site during the July
LOG_MC03 is the only barometric logger installed at the Site (central portion of the Project Area, adjacent McKay Creek). Additional barometric loggers could be installed across the Project Area for improved accuracy and redundancy (e.g. in monitoring wells MBH20 in the northeastern portion of the project area and MBH10 in the western portion of the project area). Currently all loggers have been compensated with a single barometric logger and barometric pressure is likely to fluctuate across the Site," Comment – A backup barometric logger is suggested in case the first barometric logger fails. In our opinion two barometric loggers are sufficient. The barometric pressure fluctuations across site are most likely negligible but this would be worth investigating.	2024 monitoring event. No changes have been made to the report text.
	This should have read "alear tidal influence was not shoomed for MPLICE
 Page 33 – "Based on review of the logger data within Appendix E, possible tidal fluctuation in groundwater elevation is apparent at monitoring locations MBH01, MBH03, MBH10, MBH19, MB26D and MB40D. Clear tidal influence was not observed for MBH03 and MBH08 which are also located in close proximity to the coast." Comment – It is agreed there is a tidal influence in some bores however this paragraph contradicts itself. Initially it comments tidal fluctuation is apparent in MBH03 but later comments no clear influence was observed in the same bore. Typo? Check data. 	This should have read "clear tidal influence was not observed for MBH08 and MBH20" Report text amended.
Page 33, Figure 5-1:	Noted.
 Comment – Data points are not yet frequent enough for establishing baseline trends. 	No changes have been made to the report text.
Page 34 − Table 5-1 and Figure 5-3: Comment - A groundwater pH above 10 is considered high and is typically not found naturally, indicating a potential contamination issue or unusual geological/ hydrogeochemical conditions. A normal groundwater pH usually falls between 6 and 8.5. This provides good data for establishing baseline pH values and ranges across the site. Further investigation to identify the cause of this highly alkaline chemistry is recommended. Some suggestions are it could relate to the development and/or dissolution of alkaline evaporite minerals, or the presence of urban waste water which can be high in alkalinity due to the presence of domestic bicarbonate chemicals.	We have undertaken downhole camera survey of the three groundwater wells that reported elevated pH. Further discussion of this will be included in the February 2025 monitoring event report. No changes have been made to the report text.



Comment Requiring Action	Response
Page 34 – Table 5-1: "Converting these values to the Standard Hydrogen Electrode (e.g., addition of 199 mV), positive oxidation-reduction potentials (oxidising conditions) were observed at all locations. Refer to Figure 5-8." Comment –Figure 5-8 shows numerous bores with negative redox potentials, these haven't been converted as described above. Commenting that oxidising conditions were observed at all locations appears incorrect and needs confirmation.	Text amended to address this comment.
Page 35 – Table 5-2: Comment – MBH06 and MBH20 have large rises in pH in the June 2023 sampling event. Any explanation as to why? Typically other bores experience a fall in pH for the same monitoring event. Probe calibration error? Bad buffer solution?	Assume comment was meant to read MBH08 and MBH20. Field vs laboratory pH as follows: MBH08 – Field pH of 10.62 and laboratory pH of 7.5 MBH20 – Field pH of 10.63 and laboratory pH of 7.3 At the time of reporting for the June 2023 monitoring event, these pH values were noted as variations from the historical dataset. The report stated that further groundwater monitoring events would confirm this trend of elevated pH values reported from field instrumentation. The June 2023 field reported pH was not confirmed during the November 2023 or July 2024 monitoring events and so, the June 2023 field pH results at these locations were considered to be anomalous. A review of field vs laboratory pH at other locations was undertaken as follows considering the new data available from the November 2023 and July 2024 monitoring events.: MBH01 – Field pH of 5.22 and laboratory pH of 7.8. Field pH reduced compared to historical variation at this location. MBH03 – Field pH of 6.94 and laboratory pH of 7.1. Field pH reduced compared to historical variation at this location. MBH09 – Field pH of 5.27 and laboratory pH of 7.8. Field pH reduced compared to historical variation at this location. MBH10 – Field pH of 5.28 and laboratory pH of 7.9. Field pH reduced compared to historical variation at this location. MBH10 – Field pH of 5.8 and laboratory pH of 7.1. Field pH reduced compared to historical variation at this location. MBH17 – Field pH of 5.50 and laboratory pH of 7.6. MBH17 – Field pH of 5.50 and laboratory pH of 6.8. Field pH reduced compared to historical variation at this location. MBH17 – Field pH of 5.39 and laboratory pH of 6.8. Field pH appears to be similar to historical field values. Based on these results, it is considered possible that the June 2023 field pH readings for monitoring wells MBH01, MBH06. MBH08, MBH09, MBH10, MBH13, MBH17, and MBH20 may be anomalous.
Page 36 – Figures 5-4 to 5-7: Comment – It is advised the Y-axis units are changed to TDS (mg/L) to coincide with the title. If EC is quoted, then a temperature should also be noted e.g. EC (μs/cm) @ 25°C.	The graphs have been amended.
Page 38 – Figure 5-8: Comment – The negative redox potentials in bores MBH08, MBH12 and MBH20 seem to correlate with the alkaline pH values. These relationships should be further investigated.	Of these three wells, only MBH12 appears to have both a comparatively high pH and low redox. pH reported for MBH08 and MBH20 appear to be similar to other locations. No changes have been made to the report text.
Page 39 – "It is noted that alkalinity at MBH12, MB33D and MB40D is present as carbonate and hydroxide alkalinity as opposed to bicarbonate alkalinity (as reported elsewhere on Site)." Comment – These differences in chemistry need to be further explored as the baseline dataset becomes better established.	Noted. No changes have been made to the report text.
Page 39 – "it is unclear if the elevated pH is associated with damage to the internal well casings. Inspection of the internal condition of the wells with a down hole camera would assist in confirming the internal condition of the wells (i.e. to assess if the screen has been impacted by bentonite plug/ grout from above)." Comment – In our opinion, based on our experience, elevated pH are unlikely caused by deteriorating bore integrity. A down-hole camera survey is highly supported to investigate the condition of the bores. Further investigations into this chemical phenomenon are suggested and some suggestions have been made herein.	Noted. This will be discussed further in the February 2025 monitoring event report. No changes have been made to the report text.
Page 40 — "The difference observed for MB33D (3,900 mg/L in July 2024 compared to 17,000 mg/L in February 2024) is considered to be associated with the development of the well. Levels at this location appear to have stabilised following well installation and this will be confirmed at the time of the next monitoring event. The variation observed for MB26D is not well understood at this time (noting that well development at this location was noted to be adequate) and will be further explored with future monitoring." Comment — Exploring the chemistry differences in coming monitoring events is highly supported. These natural fluctuations in groundwater chemistry need to be established in the baseline data prior to project commencement.	Noted. This will be discussed further in the February 2025 monitoring event report. No changes have been made to the report text.
Page 41 – Section 5.3.3 Major Cation and Anions Alkalinity	Noted. No changes have been made to the report text.



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Comment Requiring Action	Response
Comment - Major ion analysis is also important in understanding the mineralogy of the system however the halite/evaporite mineral precipitation dissolution will be more important for this site in the context of anion cation data. The balance of rainfall recharge/dilution, marine water recharge during high sea levels verses evaporation/concentration should also be explored during baseline studies. This work was recommended in our previous review (HE 2024); this should be investigated during the next review period. Some XRD data at key sites for surface sediments (crusts) to measure mineralogy may assist.	
Page 42 – Figures 5-10 and 5-11:	The pipe diagrams have been enlarged.
 Comment – It is recommended each piper plot be enlarged to an A4 size. This would help increase the clarity as the symbols for individual bores are hard to pick out at the current size. 	
Page 42 and 43 – Figure 5-10 to 5-14:	Noted.
Comment – The piper plots exhibit some water chemistry relationships that could use further analyses. For example, Figure 5-13 shows three bores (MBH012, MB33D and MB40D) that all have no carbonate or bicarbonate, but they have differing calcium concentrations. Carbonate chemistry and its implications on the source/origin of groundwater and water chemistry/mineralogy dynamics warrants more work as this baseline dataset is developed.	
 Page 50 – "The following should be noted for future consideration: Filtering of samples with a finer filter (0.22 μm, for example) might address the concentrations of dissolved aluminium in groundwater where exceedance of guideline criteria may be due to the presence of colloids (the larger filter size adopted as standard practice for field filtration does not remove colloids). This may also address concentrations of other analytes for which dissolved concentrations were in exceedance of guideline criteria for example zinc." Comment - This was noted in the previous two sampling event reports. As stated in our previous reviews; although the data is being used for a baseline it still warrants an 	The filtering regime was amended for the subsequent February 2025 monitoring event (i.e. groundwater samples were field filtered with a 0.22 um filter as well as separately with a 0.45 um filter). The results will be reviewed and discussed as part of the February 2025 monitoring event.
investigation with some duplicate samples (using 0.22 micron filters) to confirm if this is colloidal aluminium. After this filtering procedures may need to be slightly revised.	
Page 52 –	Noted.
"If TRH is identified at this location in future, TRH with silica gel cleanup analysis should be undertaken to determine if the identified TRH is biogenic in nature rather than petrogenic."	No changes have been made to the report text.
Comment - This work is supported	
<u>Page 59 – </u>	Noted.
"Recommendations have been made regarding the following" • Comments – All these recommendations are supported.	No changes have been made to the report text.
Appendix E – Hydrographs (starts on page 262)	Graphs will be amended for the February 2025 monitoring event.
 General Hydrograph Comments – It is recommended rainfall be displayed as a bar as opposed to a line graph. Manual water level measurements often poorly align with logger data. This needs to be rectified so datasets (manual and logger data) match more closely. The reasons for downward spikes that coincide with rainfall events in May 22 and Feb 23 needs further exploration. The following comments are made for each corresponding bore hydrograph: MBH01 – One of the manual groundwater levels is a poor match with logger data, water level dips in Feb 2023 should be investigated (i.e. look at the field data sheets) MBH03 & MBH08 – Poor match between one manual measurement with logger data MBH09 - Two of the manual groundwater levels are a poor match with logger data, water level dips in Feb 2023 should be investigated MBH10 - Several of the manual groundwater levels are a poor match with logger data, water level dips in May 2022 and Feb 2023 should be investigated MBH12 - Two of the manual groundwater levels are a poor match with logger data, water level dips in Feb 2023 and May 2024? should be investigated MBH13 - One of the manual groundwater levels are a poor match with logger data, water level dips in Feb 2023 should be investigated MBH19 - Manual groundwater levels are a poor match with logger data, water level dips in Feb 2023 should be investigated MBH19 - Manual groundwater levels are a poor match with logger data, water level dips in Feb 2023 should be investigated. The interference from April to May 2022 and Feb 2023 should be investigated. The interference from April to May 2024 should also be investigated. Inaccurate barometric compensation or nearby aquifer testing could explain data from this period. This interference inhibits the ability to process and analyse the dataset. MB215 - One of the manual groundwater levels is a poor match with logger data MB23S - One of the man	Refer to previous comments regarding improvements to the data logger program and review following the collection of the data in February 2025. Noted regarding the review comments for the data logger data. These will be incorporated in the next reporting round. We've opened up discussion with CDM Smith to discuss how the data logger data was used for any previous modelling.



Comment Requiring Action	Response	
 MB37D – Manual water levels match well with logger data, the spike in May 2024 should be investigated as the seems to correspond with the second rain event around April but not the first. MB38D – One of the manual groundwater levels is just an ok match with logger data MB39D - Manual water levels match well with logger data MB40D - Manual water levels match well with logger data, the rapid rise in water level initially should be kept in mind for future monitoring periods. 		
Response to Leichhardt Comments (where necessary)		
Various queries about references were made	The references in text and at the end of the report have been updated to address comments.	
Comment: Section 5.1 As per BoM station coordinates this is around 16 km SW of Mackay Ck, as proxy for "the site". Would still be the closest reference site. However, this site is very elusive on BoM. Is it really a relevant reference site?	Both weather stations are located quite a distance from the Site. Data from both are presented on the graphs to demonstrate regional rainfall surrounding the Site. Ideally, site specific data would be best utilised for interpretation of results, however, no such data exists. Distance of the Eramurra Pool weather station has been updated to reflect Alan's comment i.e. 16 km south wester of McKay Creek.	
Comment Table 5-4 I take it only exceedances are reported so if they are not exceeded then they don't appear here i.e. no mercury?	Correct, only analytes for which there were exceedances of criteria are included in the table. No exceedances were reported for mercury during this event.	
Comment Table 5-5 No Hg, Mn and Mo? SiO2?	Data is presented for Mn and Mo are in the table. We have added Hg and SiO2.	

If you require any further information, please do not hesitate to contact the undersigned.

Yours sincerely,

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