

# A detailed streamflow and groundwater salinity dataset for Muttama Creek Catchment, NSW, Australia

Reply to topic editor comments

Thank you for picking up several grammar issues and further unclear statements. We basically accepted all your comments.

L19 accepted replace “we analyse to see if” with “we investigate whether”

L61: suggestion accepted to insert comma

L65: suggestion accepted to remove “as all watersheds are unique in some way, it is hard to identify more exact matches to the watershed”

L66: suggestion accepted to remove “However”

L82: replace “This data is” with “These data are”

L136: insert “the” in “[..] using the high-performance liquid [..]”

L143: changed the sentence to clarify when the switch occurred to: “[..] which early on collected groundwater pressure levels at 15 min and from mid-2016 at 2 hour intervals[..]”

L154: suggestion accepted to remove: “This is slightly tricky:”

Figure 3: Accept: change y-axis title to “% Missing values all Piezometers”

L220: Accept: change sub section title to “Comparisons of the geochemistry of groundwater samples with Surface water samples”

L236 accept: inserted a reference to Figure 2 as well as Figure 7

L267 accept: changed sentence to: “There are surface water and groundwater geochemistry datasets from experimental small catchments [..]”

L273 accept: insert “global” in: “[..]with data from the global database from Thorslund and van Vliet [..]”

L284 accept: change “Using” to “using”

L286 accept: take out reference to Figure 5

L289 accept: Change sentence to “Despite the strengths of this dataset (i.e., the large spatial and temporal range and large range in hydrogeochemical parameters), there are also limitations.”

L293 accept: change sentences to: “The number of surface water sampling sites in the catchment is limited by the ephemeral nature of the stream network, with some creeks not flowing for long periods. The overall sampling is therefore limited in scope, as is clearly shown in the spatial maps[..]”

The actual distance from Sydney is about 4.5 hours driving, but this is probably not the greatest limitation.

L312 changed sentence to “[..], as was done for a more limited set of data in @Akter2018.”

L319 accept: changed sentence to “Detailed datasets for medium to large scale catchments (greater or equal than 1000 km<sup>2</sup>) are underrepresented in salinity research in Australia and worldwide, with very few public datasets identified for Australia.”