

The Manuscript *Warming of the Willamette River: 1850–present: The effects of climate change and river system alterations* has undergone significant changes which have largely improved the readability and therefore impact of the manuscript. The introduction now gives the reader an understanding of why the data and models presented in the manuscript augment existing stream temperature modeling studies. It also provides clear context as to why the new pre-development data, which are not available in many other locations, can give valuable insight into how the river has changed with clear linkage to how these insights may be applicable to other study areas with similar properties.

The updated manuscript greatly simplifies the methods allowing the reader to better understand a) the description of the chosen statistical model itself b) the different data sources used to train 7 different models presented in the manuscript, and c) how these models are used for the interpretation of results. The results and conclusions sections, now more concise, give the reader a clear idea of the study's implications about how temperate streams respond to climate and stream alterations over time.

Finally, with archived observational and modeled data now publicly available under the listed DOI, the study presents a comprehensive package for understanding and studying long-term stream temperatures in the region. I now believe that this manuscript would provide a valuable contribution to the journal's readers.