Review PeerJ:
Effects of a natural precipitation gradient on fish and macroinvertebrate assemblages

Title: it is in stream? Lake? Ponds? Maybe add something about the climate (arid streams or semiarid streams).

Line 18: environmental conditions?

Line 25: no numbers in abstract (let it to the results section)

Line 36: maybe a more recent reference is necessary here.

Line 43-45: A reference is necessary.

Line 104 : there is no need to speak of the places' name only as landscapes they identify. makes the text more scientific.

Line 112 a 119: authors who approach work done with fish and invertebrates in the region. they mention only here in the forecasts. to make the reader understand why these predictions, the authors need to deepen the introduction by providing more examples of how these communities reflect changes in precipitation.

Line 148: for how long the person who collected did this process?

Line: 153: why 300 individuals? based on any reference?

Line 191: Why Shannon? Simpson could be better

Line 186-188: in that part the letters are in uppercase and in this in lowercase. standardize.

Line 201: NMDS. Did the authors perform any randomization tests to verify whether the distribution is significant?

Line 209: Based on any reference?

Line 221: write out and in lowercase. Soil org.

Line 243: “mesic” is the first time it appears in the manuscript. The classification is not explicit in the methodology.

Line 278: write out “16”.

Line 317: if the information is not ideal I suggest that it is not used.

Line 322: did de authors do an analysis about turnover? Authors did not mention prediction about the process on introduction.

Line 397: With the data collected by the authors and the way they were analyzed; I think that it is not possible to draw this conclusion.

Figure 1 with wrong legend, also Figure 2.

Figure 2:

I think that some of the regressions in figure two must be correlations as they do not directly infer cause and effect. Why not use the axes of a PCA? because some returns seem to me to be correlations.

Figure 3. The images in the figure are from which source?