1. Line 25. Expression "timing and magnitude further modulated" should be corrected, possibly by adding "are" after "magnitude".
2. Lines 30 & 31. Sentence "Concurrently, the effective connectivity between the stream channel and adjacent hillslopes increases in the vertical dimension" is very unclear to me.
3. Line 31. Expression "At higher GWL thresholds" is unclear: non threshold has been mentioned so far.
4. Line 36. Is "volume" the right word? May be, "discharge"?
5. Lines 58 & 59. Remark "a delayed peak only occurred when watershed storage reached a critical threshold of 113 mm" is given here as a result of general validity everywhere. I am afraid that it refers to a specific study area.
6. Line 112. Word "at" should be erased, shouldn't it?
7. Line 113. Measurement units "m" should be added after "676".
8. Lines 127 & 132. The same measurement units for hydraulic conductivity should be used throughout the paper. I would prefer the use of SI units, so m/s.
9. Line 139. Measurement units "m" should be added after "5".
10. Lines 140 & 141. "2.3 Meteorological and streamflow 140 data collection" is the title of the next subsection.
11. Line 142. Expression "spanning 2013-2023" should be rephrased, possibly as "spanning eleven years, from 2013 to 2023,".
12. Line 143. Measurement units "m" should be added after "700", "900", and "1000".
13. Lines 145 & 155. Which kind of average? Space or time average? In the latter case, which time interval has been considered for the averaging?
14. Lines 161 & 162. Sentence "Groundwater levels were normalized following the method described by Detty and McGuire 161 (2010)" repeats what was written at lines 158 & 159.
15. Lines 162 & 163. If I understood correctly, "the lowest recordable depth of the instrument" depends on the sensor position, so it is a factor related to the experimental setup, not a physical property of the subsurface.
16. Lines 172 & 173. The definition of "event" should be better rephrased. In particular, the rainwater intensity is considered as the hourly averaged value or the value measured at the sampling period (10 minutes)?
17. Line 177. ", HESS" should be erased.
18. Line 181. "&" should be substituted with "and" to be consistent throughout the whole paper.
19. Lines 184 & 185. Erase these lines, they repeat lines 180 & 181.
20. Lines 182 & 183, 186 & 187. These sentences basically repeat the same concepts and should be merged.
21. Line 187.
22. Line 189. Is "was" correct? May be, "were"?
23. Line 191. Lowercase should be used for "the".
24. Lines 253 & 254. A standard deviation of 0.01158, for 14 data, corresponds to a standard error on the average value of $0.01158/14^{1/2}=0.004$. Therefore, it would be better to write "a mean value of 0.197 ± 0.004 and...".
25. Line 257. The caption should explain what is represented by the blue strip.
26. Line 288. Pronoun "that" should be added before "represents".
27. Line 289. "Analysis revealed that" can be erased.

28. Line 335. "0.13-0.26" should be substituted as "from 0.13 to 0.26".
29. Lines 349 to 351. Expressions "0-2 h" and similar should be substituted, possibly as "less than 2 hours".
30. Lines 364 & 365. Expression "a markedly faster rates (0.03 to 0.98/day, mean: 0.38/day) compared to the second peak 364 (0.01 to 0.31/day, mean: 0.07/day)" should be rephrased, possibly as "a markedly faster rate (from 0.03 d^{-1} to 0.98 d^{-1}, with a mean of 0.38 d^{-1}) than the second peak (from 0.01 d^{-1} to 0.31 d^{-1}, with a mean of 0.07 d^{-1})."
31. Figure 11. The notation of the measurement units of the principal vertical axis should be corrected (see previous comment).
32. Line 379. "pace. pressure-driven" should be corrected. May be, "Pressure" should start with uppercase.
33. Lines 398 & 399. Expression "of 10-30 meters" should be substituted with "varying from 10 m to 30 m".
34. Figure 12. Figure caption must be rephrased in a more clear way. Why is this figure drawn with the I_G axis increasing downwards? I found this choice confusing, when I was reading the comments about what happens for high and low values of I_G.
35. Lines 453 & 455. Isn't it better to give values in hours rather than in days?