

1 **Anonymous referee #2**

2 **Comment:** The revised manuscript addresses several initial concerns, particularly in clarifying
3 the study's scope and clarity with methodological decisions.

4 **Acknowledgment of Limitations:** The absence of field-based validation should be clearly stated
5 as a limitation. This would lend transparency to the results while aligning expectations about
6 the study's scope. This could be framed as limitations more explicitly in the discussion.

7 **Author's Response:** Thank you for providing this valuable feedback on our manuscript. We
8 added the limitations of this study's scope in a section of Discussion 5.1.

9 **Please refer to Page No: 25 & Line No: 505-511**

10 “The present study of estimating stream power driven by anomalous precipitation identifies
11 regions across the Upper Indus catchment with high erosive potential during the 2022 flood
12 event. However, field validation or high-resolution pre- and post-event DEMs are required to
13 quantify the rate of erosion and patterns triggered by this extreme flood event. Our analysis
14 primarily draws upon pre- and post-observations from remote sensing-based indices, and
15 topographic analysis to spatially correlate estimated stream power with channel metrics”.