Supporting Information for "Evaluating the effects of burn severity and precipitation on post-fire watershed responses using distributed hydrologic models"

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1. Figures S1 to S3.

Introduction

The Supporting Information includes supplemental figures that help visualize the model inputs (S1), climate regimes of the study sites (S2), and model outputs (S3).

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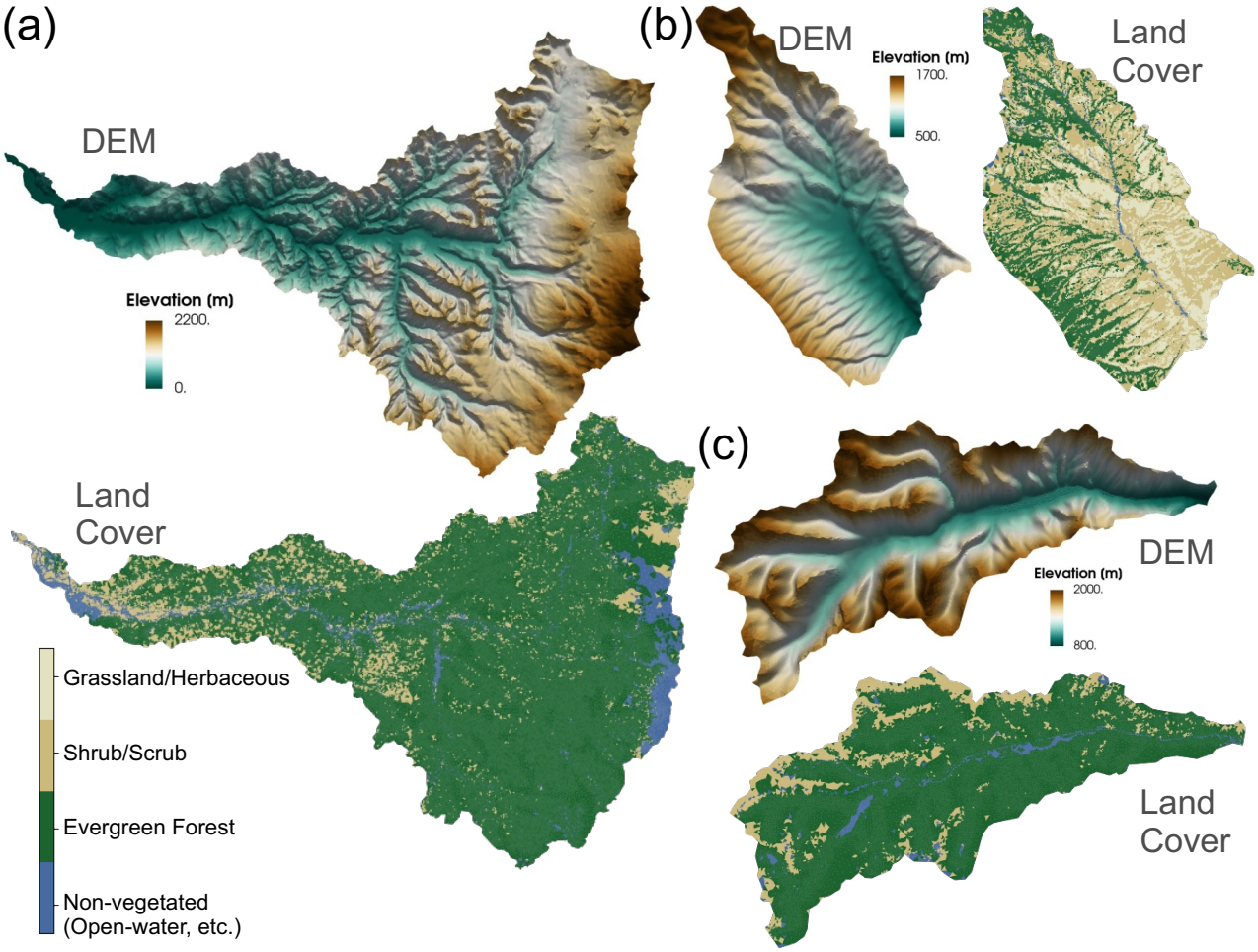

Figure S1. DEM and land cover types in the (a) Mckenzie River Watershed, (b) Wenas Creek Watershed, and (c) American River Watershed.

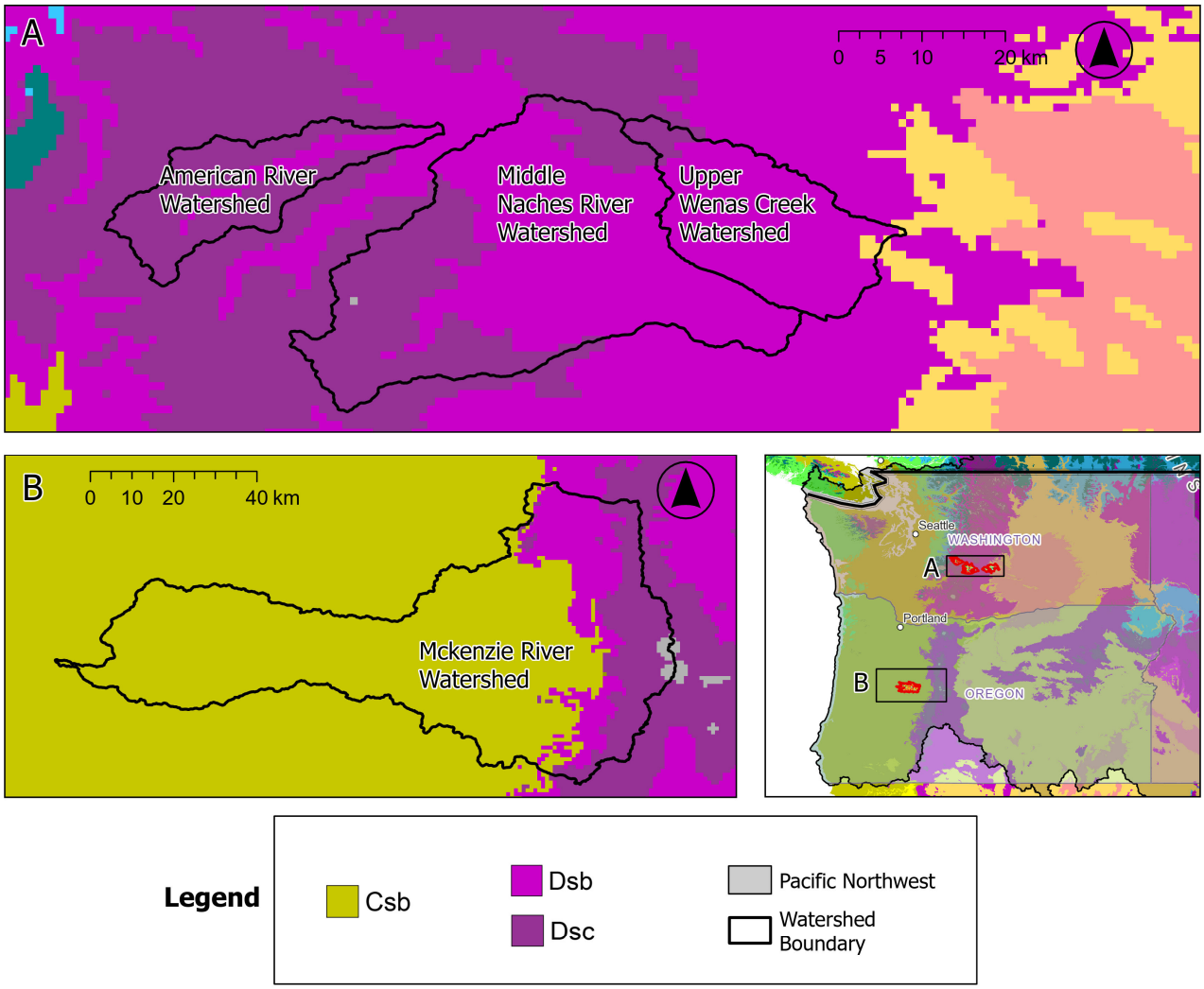

Figure S2. Köppen–Geiger climate classification in the study watersheds (Csb = temperate, dry & warm summer; Dsb = cold, dry & warm summer; Dsc = cold, dry & cold summer).

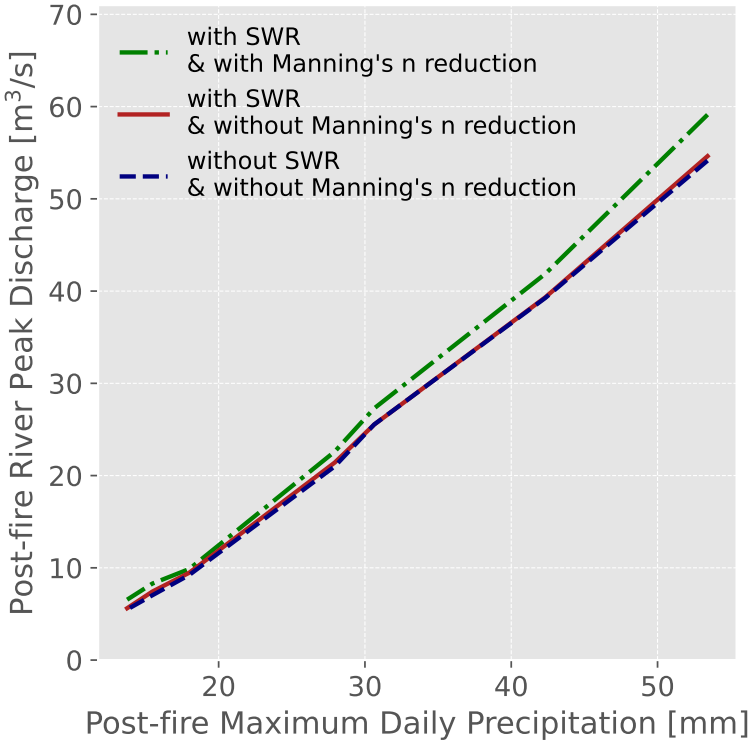

Figure S3. The relationships between the post-fire maximum daily precipitation and the river peak discharge in three scenarios: (1) without the SWR effect and without the Manning's n reduction (base case), (2) without the SWR effect and without the Manning'n reduction, and (3) with the SWR effect and with the Manning'n reduction.