

Jonathan Sam

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Merced, CA 95348

Education

University of California, Merced, Merced, CA

December 2022

Ph.D., Environmental Systems

University of California, Merced, Merced, CA

May 2018

B.S., Earth Systems Science

Publications

Sam, J.A., Westerling, A.L., Baldwin, W.J., (*In Preparation*). Projecting Wildfire Burn Severity in California.

Sam, J.A., Preisler, H.K., Westerling, A.L., Xu, Q., Baldwin, W.J., Sleeter, B.M., (*In Preparation*). Estimation of Burn Severity Fractions in California.

Sam, J.A., Thapa, S.B., Baldwin, W.J., Westerling, A.L., Preisler, H.K., Xu, Q., Sleeter, B.M., (*In Review*). Simulating burn severity classifications at 30 meters in two forested regions of California. Environmental Research Letters.

Xu, Q., Westerling, A.L., Notohamiprodjo, A., Wiedinmyer, C., Picotte, J.J., Parks, S.A., Hurteau, M.D., Marlier, M.E., Kolden, C.A., **Sam, J.A.**, Baldwin, W.J., Ade, C., (*In Review*). Wildfire Burn Severity and Emission Inventory: An example implementation over California. Environmental Research Letters.

Professional Experience

Researcher

Graduate Student Researcher

2018 – Present

University of California, Merced

Teaching

University of California, Merced

Philosophy 005: Introduction to Logic

2020

Biology 002L: Introduction to Molecular Biology Lab

2018

Consultant

Berkeley Group & CoreLogic

2021 – 2022

Bay Area, CA

Sierra Nevada Research Institute & Blue Forest

2021

Merced, CA

Grants and Fellowships

Professional Development Fellowship	\$1,000, 2022
Teaching Demo Fellowship	\$300, 2020
Environmental Systems Bobcat Fellowship	\$7,500, 2019

Presentations

American Geophysical Union – Fall Meeting, New Orleans, Louisiana

Estimating Burn Severity in California (Poster) 2021

UC Merced Research Week – SNRI, University of California, Merced

Modeling Burn Severity Fraction in California (Poster) 2020

Symposium: Climate Change and the Ecology of Sierra Nevada Forests, University of California, Merced

Modeling High Burn Severity in the Sierra Nevada (Poster) 2019