

MCINTIRE-STENNIS

Funded Research at Cal Poly Humboldt (2020-2025)



Cal Poly Humboldt's Department of Forestry, Fire, and Rangeland Management uses McIntire-Stennis capacity funding to support impactful work by numerous researchers. Our investigations of timely issues yield findings aimed to maximize resistance and resilience to natural disturbances as well as productivity in Californian forests. Our projects also provide valuable professional development opportunities to graduate and undergraduate students and scientific expertise to a diverse audience of landowners and stakeholders interested in sustainable stewardship of the state's natural resources.

ENVIRONMENTAL AND BROADER IMPACTS

McIntire-Stennis projects at Cal Poly Humboldt generally focus on forest, water, and fire issues important to California and have resulted in significant environmental and economic contributions. On average, we receive ~\$136,000 annually from McIntire-Stennis and we use these funds to support five research projects and administrative costs. Some highlights from projects occurring in 2020-2025 include:



40 Species

Projects study a diverse mix of tree and shrub species important to both timber production and ecosystem ecology.



42 Students

Projects provide professional development opportunities for a diverse mix of graduate and undergraduate students.



Diverse Topics

Projects study a diversity of topics ranging from silviculture to ecology.

About McIntire-Stennis



The McIntire-Stennis program, a unique federal-state partnership, cultivates and delivers forestry and natural resource innovations for a better future. By advancing research and education that increases the understanding of emerging challenges and fosters the development of relevant solutions, the McIntire-Stennis program has ensured healthy resilient forests and communities and an exceptional natural resources workforce since 1962.



36 Ownerships

Projects study a diverse mix of lands across California including National and State Parks and National and Demonstration Forests.



12 Collaborators

Projects involve diverse collaborators from numerous public, private, non-profit groups.

TRAINING PROFESSIONALS AND VOLUNTEERS

In addition to yielding high-impact science, Cal Poly Humboldt McIntire-Stennis projects also produce skilled natural resources professionals who go on to work in California and throughout the US. The professional training that undergraduate and graduate students gain through our capacity grants program provides needed workforce expertise to effectively and adaptively manage forests and natural resources. Additionally, we prioritize funding new faculty, to help launch their research programs. Findings from our projects offer novel and timely scientific insights to inform resource professionals' management decisions. Projects occurring in 2020-2025 have resulted in:

- 5 Master of Science degrees
- 27 Undergraduate research assistantships
- 12 Publications and reports
- 33 Public presentations and field tours

SUMMARY

Every dollar in McIntire-Stennis funding received by Cal Poly Humboldt is matched by at least one dollar gained through alternative funding sources. As evidenced by the above accomplishments, the McIntire-Stennis capacity grant program supports fundamental research that generates meaningful science and trained professionals. With these deliverables of informed science and skilled expertise, our program strengthens national efforts to effectively manage productive, sustainable, and resilient natural resources.