

LOGAN BERNER

DEFENSE: FRIDAY, MARCH 10TH AT 11:00AM IN RICHARDSON 107

FOREST RESPONSE TO WATER AVAILABILITY AND DISTURBANCE IN THE WESTERN UNITED STATES

Water availability and disturbance play important, interconnected roles in shaping forests in the western United States. Regional warming contributed to drier, more drought-prone conditions in some areas during recent decades and climate projections indicate hotter, drier in coming decades barring significant reductions in anthropogenic greenhouse gas emissions. Logan's dissertation focused on how recent water availability and tree mortality from fires, bark beetles, and timber harvest affected forests in the region. The research was based on forest inventory, tree-ring, remote sensing, and climate analyses that enabled assessment across a range of spatial, temporal, and biological scales.

Logan is a Ph.D. candidate in the Forest Ecosystems and Society program, advised by Dr. Beverly Law.

