



PROFILE

Dr. McGarigal is an experienced landscape ecologist with extensive skills in quantitative methods, including landscape simulation modeling, applied to forested landscapes in the western United States and elsewhere. He has developed several software tools for the analysis of landscape patterns (e.g., FRAGSTATS) and the simulation of landscape dynamics (e.g., RMLands, LDSim).

CONTACT

PHONE:
413.835.5354

WEBSITE:
www.vibrantplanet.net

EMAIL:
mcgarigalk@eco.umass.edu

PUBLICATIONS

"Modeling historical range of variability and alternative management scenarios in the upper Yuba River watershed, Tahoe National Forest, California" 2018. USDA Forest Service Gen. Tech. Rep RMRS-GTR-385.

"A landscape index of ecological integrity to inform landscape conservation." 2018 Landscape Ecology 33: 1029-1048.

"Modeling urban growth in the northeastern United States: the SPRAWL model and the ecological impacts of urban growth." 2018. Landscape and Urban Planning 177: 178-190.

"Multi-scale habitat selection modeling: A review and outlook." 2016. Landscape Ecology 31: 1161-1175.

"Wilderness shapes contemporary fire size distributions across landscapes of the western United States." 2013. Ecosphere 4: art15.

KEVIN MCGARIGAL

EXPERIENCE

Landscape Ecologist – Vibrant Planet
2021 to present
Incline Village, NV

Proprietor – LandEco Consulting
2019 to present
Dolores, CO

Professor (Landscape Ecology) – University of Massachusetts, Amherst
1997 to 2019
Amherst, MA

Research Consultant – Independent
1994 to 1997
Dolores, CO

Research Associate – Oregon State University
1993 to 1994
Corvallis, OR

Research Assistant – Oregon State University
1988, 1992-1993
Corvallis, OR

Interpreter Naturalist – Claytor Lake State Park
1983
Dublin, VA

Research Assistant – Frostburg State College
1981-1982
Frostburg, MD

Biological Aid – USFWS Patuxent Wildlife Research Center
1979-1981
Laurel, MD

EDUCATION

Oregon State University
1988 – 1993
Forest Science (PhD)

Oregon State University
1983 – 1988
Wildlife Science (MS)

Virginia Tech
1978 – 1983
Forestry & Wildlife (BS)