

Title Professor Emeritus
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Research Fields

Specific Research Interests

- Atmospheric chemistry
- Biogeochemistry
- Carbon Footprint Analysis
- Climatology
- Community & Disaster Planning
- Data Analysis & Statistical Modeling
- Ecology & Ecosystem Management
- Economics
- Energy policy & technology
- Ethics
- Fire
- Forestry & Forest Management
- Geographic Information Systems
- Horticulture
- Human Impacts - economics
- Human Impacts - health
- Human Impacts - policy
- Hydrology
- Impacts - agriculture & horticulture
- Impacts - ecosystems, populations
- Impacts - physical
- Instrumentation
- Mitigation Policy
- Modeling Climate
- Modeling Ecosystems
- Modeling Socioeconomic Processes
- Natural Resource Policy & Planning
- Outreach & Engagement
- Paleoclimatology
- Paleoecology
- Physical Ecology
- Physiological Ecology
- Urban Ecology
- Water Policy & Planning
- Other...

ecology and evolution of freshwater fishes

Projects

Ecology of Upper Klamath Lake shortnose and Lost River Suckers
- effects of long-term weather patterns on growth and recruitment

Monitoring Umpqua chub

Selected Recent Publications

Markle, D. F., R. French, S. Naman, J. Demarest and M. Hatfield, 2002. Historical patterns of skeletal deformities in fishes from the Willamette River, Oregon. *Northwestern Naturalist*, 83:7-14.

Terwilliger, M., D. F. Markle and J. Kann. 2003. Associations between water quality and daily growth of juvenile shortnose and Lost River suckers in Upper Klamath Lake, Oregon. *Trans. Am. Fish. Soc.* 132:691-708.

Professional Activities

Independent Science Review Panel for Klamath suckers, 2004-2005.

Miller Lake Lamprey Technical Management Team, 2005-

USFWS Lost River and Shortnose Sucker Recovery Team, 2007 -