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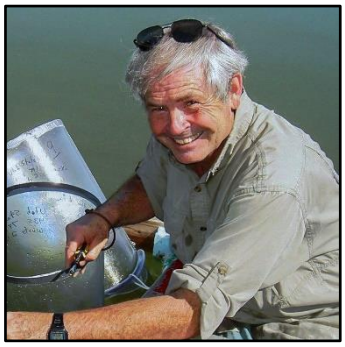

Education

Ph.D. University of California at Davis, in Ecology (1983) Dissertation: Internal and external controls on plankton abundance in a large eutrophic lake. https://hdl.handle.net/2027/uc1.x16458

M.S. Oregon State University, in Fisheries, with minor in Water Resources (1973). Thesis: Effects of temperature, ration level, and size on the growth of steelhead trout.

B.S. University of California at Davis, in Fisheries & Wildlife (1970). Thesis: Food and distribution of underyearling brook and rainbow trout in Castle Lake, California.

Professional experience

PROFESSOR Emeritus (July 2016 -), Watershed Sciences Department, Quinney College of Natural Resources, Utah State University, Logan, Utah.

PROFESSOR (July 1996 to June 2016), Watershed Sciences Department (Formerly Aquatic, Watershed & Earth Resources Department), Utah State University, Logan, Utah.

FULBRIGHT LECTURING/RESEARCH FELLOWSHIP (March-May 2011), Universidad de Cordoba, Argentina.

GASTPROFESSOR, (Sept 2005-Apr 2006), ETH University and Swiss Federal Institute for Environmental Science and Technology (EAWAG), Zurich, Switzerland.

ASSOCIATE PROFESSOR (July 1989-1996), Dept. of Fisheries and Wildlife, Utah State U. Logan, Utah.

ASSISTANT PROFESSOR (July 1983-1989), Department of Fisheries and Wildlife, Utah State University.

FULBRIGHT SENIOR RESEARCH SCHOLAR (Sep. 1997-Apr. 1998), Universidad de Valencia, Spain.

VISITING SCIENTIST (May-July 1991), Max-Planck-Institut fuer Limnologie, Ploen, Germany (sabbatical)

VISITING SCIENTIST (Oct. 1990-April 1991), Center for Limnology, Madison, Wisconsin. (sabbatical)

STAFF RESEARCH SCIENTIST (1980-1983), Div. of Environmental Studies, U. of California, Davis. Duty station: Lake Titicaca, Peru.

POST-GRADUATE RESEARCHER AND RA (1975-1980), Dept. of Wildlife and Fisheries/Inst. of Ecology, University of California, Davis.

BIOLOGIST (1973 and 1975), Clear Lake Algal Research Unit, Lakeport, California.

FISHERY BIOLOGIST (1973-1974), U.S. Peace Corps, Puno, Peru.

WATER POLLUTION TRAINEE (1970-1973), Department of Fisheries and Wildlife, Oregon State University. Corvallis, OR.

SEASONAL AIDE (1968-1969, summers), California Fish and Game. Sacramento, CA.
GEOLOGICAL FIELD ASSISTANT (1967, summer), U.S. Geological Survey. Menlo Park, CA.

Current research interests:
- Saline lake limnology
- Landscape limnology
- Mercury and selenium in aquatic food webs
- Biogeochemical controls on aquatic productivity
- Algal-nutrient relationships; N vs P limitation
- Ontogeny of temperature selection and bioenergetics of fishes
- Stable isotopes and food webs
- Ecology of endemic and threatened fishes

Five recent selected publications

Wurtsbaugh, W.A., J. Gardberg and C. Izdepski. 2011. Biostrome communities and mercury and selenium bioaccumulation in the Great Salt Lake (Utah, USA). Science of the Total Environment 409: 4425–4434.

Wurtsbaugh, W., C. Miller, S. Null, R. J. DeRose, P. Wilcock, M. Hahnenberger, F. Howe and J. Moore. 2017. Decline of the world's saline lakes. Nature Geoscience 10 (11): 816 – 821. doi:10.1038/ngeo3052.

Wurtsbaugh, W.A., Hans W. Paerl, W. Dodds. 2019. Nutrients, eutrophication, and harmful algal blooms along the freshwater to marine continuum. WIREs Water; 6:e1373. https://doi.org/10.1002/wat2.1373 .

Wurtsbaugh, W.A., K.A. Moser and P.R. Leavitt. 2020. Effects of a century of mining and industrial production on metal contamination of a model saline ecosystem, Great Salt Lake, Utah. Environmental Pollution 266: 115072. doi.org/10.1016/j.envpol.2020.115072.

Wurtsbaugh, W.A., Miracle, M.R., Camacho, A., Armengol, J. and E. Vicente. 2021. Limited importance of primary production in the deep chlorophyll layer for mac ro-zooplankton in an oligotrophic karst lake: A whole -lake ^{15N} experiment. Limnetica. DOI: 10.23818/limn.40.21

Candidate statement

I have been a member of ISSLR since 2005 and was previously a Board member from 2008-2012. In 2008 I was the program chairman for the Salt Lake City ISSLR meeting held in conjunction with the Friends of Great Salt Lake Forum. I've been actively involved in biological, contaminant, and hydrological research on Great Salt Lake since 1985. I have also worked on Argentina's Mar Chiquita and more recently on Iran's Lake Urmia. These experiences have shown what we all know—saline lakes worldwide are in trouble due to increasing demands for water. If elected as a Board member I will use my experience at Great Salt Lake and elsewhere to help make ISSLR a leader in solving the multiple problems facing terminal lakes.