Christopher Enright
Senior Water Resources Engineer
California Department of Water Resources, Suisun Marsh Branch
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Education

University of California Davis Master of Science, Civil Engineering (Water resources planning and management, resources economics), 1989
Humboldt State University, Bachelor of Science, Environmental Resources Engineering (Hydrodynamics, sediment transport modeling), 1986
University of California Santa Barbara, Bachelor of Science, Environmental Studies, 1980

Positions and Employment

Senior Water Resources Engineer, California Department of Water Resources

- Chief, Suisun Marsh Planning Section, Division of Environmental Services- 1998-Present
- Chief, Suisun Marsh Branch, Division of Environmental Service, 1999-2000, 2001-2002

Water Resource Engineer

- Suisun Marsh Branch, Division of Environmental. Services, 1996-1998
- Delta Modeling, Division of Planning, 1990-1996

Hydraulic Engineer, Hydrologic Engineering Center, USACE, Davis CA. 1989-1990
Graduate Research Assistant, University of California Davis 1987 to 1989
Research Fellow Telonicher Marine Laboratory, Humboldt State University, 1986

Invited panel participant

- San Francisco Estuary Partnership Climate Ready Estuaries Program expert panel member, 2010
- Calfed Science Program Restoration workshop convener/presenter, November, 2009
- CASCaDE Project Team for development of indices of Bay-Delta responses to climate change review panel, April 2009)
- Calfed Science review of biological modeling expert panel, May 2009
- Delta Vision Blue Ribbon Task Force Expert Modeling Panel member, 2008
- Solano Land Trust Rush Ranch Science and Technical Advisory Team, 2008-present
- Freshwater and Brackish Intertidal panel- DRERIP coarse level evaluations 2008.
- Hydrodynamics conceptual model co-author, DRERIP conceptual model team, 2008.
- CALFED Technical Advisory Panel for estuary hydrodynamics/water quality issues 2007.
- Low resolution modeling for ERP Science Board decision support, 2006
- Humboldt State University Environmental Engineering Program Advisory Team (2006-present)
- CALFED Science Panel on the Environmental Water Account, 2004
- Chair, DWR Real Time Modeling Development Team, 2001
- Chair, IEP DSM2 Project Work Team: Lead Team development of inter-agency consensus based model calibration protocols 2000.

Publications / Proceedings

Enright, C., and Culberson, S. 2009. Salinity Trends, Variability, and Control in the Northern Reach of the San Francisco Estuary. San Francisco Estuary and Watershed Science, 7(2). Retrieved from: http://escholarship.org/uc/item/0d52737t

P. W. Lehman • S. Mayr • L. Mecum • C. Enright. The freshwater tidal wetland Liberty Island, CA was both a source and sink of inorganic and organic material to the San Francisco Estuary, Aquatic Ecology, Springer Science+Business Media B.V. 2009

Enright, C., 2008. Tidal slough geometry filters estuarine drivers, mediates transport processes, and controls variability of ecosystem gradients. Presented at the CALFED Science Conference 2008, October 22-24, 2008, Sacramento, CA.

Enright, C., Culberson, S.D., and Burau, J. 2006. Comparing natural and modified sloughs in Suisun Marsh: geometry determines variability. Presented at the CALFED Science Conference 2006, October 23-25, 2006, Sacramento, CA.

Enright, C., Miller A, Tom B. 2004. The estuary geometry is not static: natural and human influence on salinity trends. Presented at the CALFED Science Conference 2004, October 6-8, 2004, Sacramento, CA.

Culberson, S.D., Harrison, C.B., Enright, C., and Nobriga, M.L. 2004. Sensitivity of larval fish transport to location, timing, and behavior using a Particle Tracking Model in Suisun Marsh, California, USA. In: *Early Life History of Fishes in the San Francisco Estuary and Watershed*, Feyrer, F., Brown, L.R., Brown, R.L., and Orsi, J.J. (eds.). American Fisheries Society Publication. 296 pp.

Enright, C., 2002. Bay-Delta geometry: the shape of things and salinity mixing. Presented at the CALFED Science Conference 2002, October 23-25, 2006, Sacramento, CA.

"Hydrodynamics and Transport Mechanisms of Bay-Delta Levee Breaches," CALFED Science Conference Proceedings, Sacramento, 2000.

"Salinity Impacts of Suisun Marsh Levee Breaches", Interagency Ecological Program Newsletter, 11(4), fall 1998.

"Recalibration of DSM1 for the CALFED Bay Delta Program," Interagency Ecological Program Newsletter, 11(4), fall 1998.

"Simulation of Dormant Spray Pesticide and Dissolved Organic Carbon Transport During 1993: Verification of DWRDSM", Interagency Ecological Program Newsletter, 8(4), spring 1996.

"Simulation of THM Formulation Potential Using DWRDSM", with Paul Hutton; Proceedings of Hydraulic Engineering Conference, American Society of Civil Engineers, San Francisco CA, 1993.

"Alternative Water District Organization: Screening Level Analysis", with J.R. Lund; Journal of Water Resources Planning and Management, ASCE, 117(1), 1991

"Institutional Barriers to Marginal Cost Pricing of Water Supply", Proceedings of the Regional Science Association Conference, Santa Barbara, California, 1991.

"Water Allocation Economics of Mutual Stock Water Districts", Proceedings of the Water Resources Planning and Management Conference, ASCE, Sacramento, CA, 1990.

"A Numerical Model of Unsteady Flow and Sediment Transport in the Redwood Creek Estuary", Telonicher Marine Laboratory Technical Report Series (TML-115), Humboldt State University, 1988.

Professional License

Registered Civil Engineer, State of California, #C49028

Professional Awards/Honors

Professional Achievement and Sustained Superior Accomplishment Award, DWR 2009
Graduate research fellow, Telonicher Marine Laboratory, Humboldt State University 1988

Professional Development

DWR Management Development Program, 2001
Management Development Program, Sacramento State University Continuing Education, 1999:

Professional Affiliations

American Geophysical Union
American Society of Civil Engineers
California Estuarine Research Society