

VITAE

John M. Bartholow

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EXPERIENCE

2011 – now	Poudre Runs Through It	Steering Committee
2007 – 2014	Save The Poudre	Board of Directors
2007 – 2012	Big Thompson Watershed Forum Loveland, CO, and	Board of Directors

Through Save the Poudre and the Poudre Runs Through It group, I have worked and continue to work to protect and partially restore the Cache la Poudre River through Fort Collins. Through the Big Thompson Watershed Forum I worked to protect and improve water quality in the Big Thompson Watershed through collaborative monitoring, assessment, education and restoration; fostering stakeholder teamwork in conducting watershed assessment, identifying priority protection measures, educating affected interests, and promoting voluntary practices that protect the Big Thompson Watershed and the quality of its waters. I am on the Fort Collins Natural Resource Advisory Board. I also volunteer as a photographer for the Legacy Land Trust, Colorado Coalition of Land Trusts, and other non-profit organizations.

1983 – 2/2007	U.S. Geological Survey/BRD Fort Collins Science Center Fort Collins, CO	Ecologist
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Designed, developed, tested, and transferred methods to assess the impacts of water development activities on aquatic ecosystems nationwide. Specific responsibilities included: developing a decision support system for the Klamath River, development of a fish population model for evaluating water management decisions, development of stream habitat time series analysis models, enhancement of stream temperature models, reservoir water quality modeling, teaching classes in appropriate analytical techniques, and providing expert advice to field personnel. Recent work also included an economic analysis of alternative contraceptive programs for Bureau of Land Management wild horse populations

Involved in many peer review activities, including professional journal review; EPA water temperature standards; TMDL margin of safety requirements; and review of several modeling projects, particularly on the Stanislaus River, California. Agency representative on the steering committee for the San Francisco Bay-Sacramento/San Joaquin Delta Modeling Forum. Faculty Affiliate at Colorado State University for a portion of this time.

1976 - 1983 U.S. Fish and Wildlife Service Biologist
Western Energy and Land Use Team
Fort Collins, CO

Designed, developed, and tested geographic information systems for the analysis of energy development/wildlife conflicts. I applied planning systems to resource prioritization and budget allocation. Implemented Kenai National Wildlife Refuge Timber Management System, designed northern Great Plains coal lease ranking methodology, directed development of hydro-peaking analysis model, designed Colorado Dept. of Natural Resources information system, developed Great Lakes Winter Navigation Extension analysis system.

1973 - 1976 Colorado Cooperative Research Unit Biologist
Colorado State University
Fort Collins, CO

Tested, documented and applied big game population model, in cooperation with others. Developed and applied oil shale simulation model.

1971 University of Denver Adjunct Instructor
Dept. of Math and Computer Science
Denver, CO

PROFESSIONAL ACTIVITIES AND SPECIAL SKILLS

Expert in stream temperature, and applied wildlife and fish population modeling
Stream and reservoir ecosystem water quality analysis

Peer reviewer for refereed journals and other processes:

ASCE Journal of Water Resources Planning and Management

CalFed

Canadian Journal of Fisheries and Aquatic Sciences

Desalinization and Water Treatment

Ecological Applications

Environmental Management

Environmental Science and Policy
EPA Region 10 Thermal Standards
Hydro Review
Journal of Environmental Management
Journal of Environmental Quality
Journal of Range Management
Journal of the American Water Resources Association
National Science Foundation
New Zealand J. of Marine and Freshwater Research
North American Journal of Fisheries Management
River Research & Applications
Rivers
Fluent in a variety of computer languages and data analysis techniques.

EDUCATIONAL INSTITUTIONS

Faculty Affiliate, Colorado State University, 1996-01, Fort Collins, CO
M.S., Colorado State University, Natural Resource Mgt., 1976, Fort Collins, CO
B.E., Vanderbilt University, Computer Science, 1970, *Cum Laude*, Nashville, TN

PROFESSIONAL ORGANIZATIONS AND GROUP AFFILIATIONS

American Fisheries Society (Water quality user groups)
Bay-Delta Modeling Forum Ad Hoc Peer Review Committee
EPA Region 10 Water Temperature Standards Peer Review Committee
USGS Surface-water Quality and Flow Modeling Interest Group

HONORS AND AWARDS RECEIVED

Winner (one of many), Colorado State Parks "Signs of Spring" photo contest, 4/08
US Fish and Wildlife Certificate of Appreciation, 2/07
USGS SSP Award, 12/06
USGS STAR Award, 12/05
USGS STAR Award, 8/04
USGS STAR Award, 12/03
USGS STAR Award, 8/02
USGS STAR Award, 9/00
American Fisheries Society *Conservation Achievement Award*, 10/98
BRD STAR Award, 10/97
On-the-Spot Award, 9/96
Superior Accomplishment Award, 9/95
Special Achievement Award, 7/95

Total Quality Management, Special Performance Award, 9/93
Equal Employment Opportunity, Special Performance Award, 10/90
Special Achievement Award, 10/90
Special Achievement Award, 1/85
Special Achievement Award, 12/78
Tau Beta Pi, Engineering Honor Society, Vanderbilt University
Honors in Information Engineering, Vanderbilt University
Best all-round Student, Junior High School

EXTRACURRICULAR ACTIVITIES AND FOREIGN TRAVEL

Volunteer Activities

City of Fort Collins Natural Resources Advisory Board, current board member
Big Thompson Watershed Forum, Board member
City of Fort Collins Water Board, former Vice Chair (1994-1998, 2002-2008)
Larimer County Environmental Advisory Board, former Chair (1999-2002)
Foothills Unitarian Church
President, Applewood Homeowners' Association (1985-1989)
Fort Collins Urban Growth Area Task Force
Equal Employment Opportunity Counselor, USFWS
Blood/platelet/plasma donor (9+ gallons and counting)

Hobbies - Photography, Exploring, Hiking, Biking

Travel - Argentina, Austria, Bolivia, Brazil, Canada, Chile, Columbia, Czech Republic, Ecuador, England, France, Germany, Italy, Jamaica, Mexico, New Zealand, Peru, Scotland, Switzerland, US Virgin Islands, and all 50 US states

REFERENCES

Rick Schroeder
107 N. Hollywood
Fort Collins, CO 80521
970-484-8337

Randy Fischer
Colorado House of Representatives, retired
3007 Moore Ln
Fort Collins, CO 80526
970-226-5383

Others available on request

FAMILY

Married: Janet Seeley, M.D., Ph.D.
Children: David Bartholow, Cleveland, OH
Lydia Bartholow, Portland, OR

PUBLICATIONS AND PRESENTATIONS

- Milhou, Robert T. and John M. Bartholow. 2010. Environmental Flow Issues in the Poudre River, Colorado, USA. In Proceedings, ISE 2010, 8th International Symposium on Ecohydraulics 2010. September 12-16, 2010 COEX, Seoul, Korea. Korea Water Resources Association (KWRA). pp 1469-1476. (CD- paper S7B-1). Available online at <http://fossilcreeksoft.com/S7B-1.pdf>
- Bartholow, J.M. 2010. Constructing an interdisciplinary flow regime recommendation. J. Am. Water Resources Association 1-15. DOI: 10.1111/j.1752-1688.2010.00461.x. Available online at <http://onlinelibrary.wiley.com/doi/10.1111/j.1752-1688.2010.00461.x/abstract>. Nearly identical preprint using English units is available at <http://sites.google.com/site/fossilcreeksoft2/poudreriverflowrecommendation>
- Campbell, S., Bartholow, J., and Heasley, J., 2010, Application of the Systems Impact Assessment Model (SIAM) to fishery resource issues in the Klamath River, California: U.S. Geological Survey Open-File Report 2009- 1265, 74 p.
- McCullough, Dale A., Bartholow, John M., Jager, Henriëtte I., Beschta, Robert L., Cheslak, Edward F., Deas, Michael L., Ebersole, Joseph L., Foott, J. Scott, Johnson, Sherri L., Marine, Keith R., Mesa, Matthew G., Petersen, James H., Souchon, Yves, Tiffan, Kenneth F. and Wurtsbaugh, Wayne A. 2009. Research in Thermal Biology: Burning Questions for Coldwater Stream Fishes. Reviews in Fisheries Science 17(1):90–115.
- Apt. A. 2008. Afoot & Afield Denver/ Boulder & Colorado's Front Range: A Comprehensive Hiking Guide. Wilderness Press. 348 pp. [I have several photographs published in this book.]
- Bovee, K.D., T.J. Waddle, J. Bartholow, and L. Burris. 2007. A decision support framework for water management in the upper Delaware River. USGS Open-File Report 2007-1172. : U.S. Geological Survey. 122 p.
- Bartholow, J. 2007. Economic benefit of fertility control in wild horse populations. Journal of Wildlife Management 71(8):2811–2819.
- Bartholow, J.M. and J. Heasley. 2006. Evaluation of Shasta Dam scenarios using a salmon Production Model. USGS Administrative Report, August 17, 2006, Fort Collins, Colo. 110 p.
- Milhou, R.T. and J.M. Bartholow. 2006. Two analytical approaches for quantifying physical habitat as a limit to aquatic ecosystems. Journal of River Basin Management 4(3):191-199. Available on the Internet at <http://www.jrbm.net/pages/>

- Bartholow, J.M. and J.A. Henriksen. 2006. Assessment of Factors Limiting Klamath River Fall Chinook Salmon Production Potential Using Historical Flows and Temperatures. USGS Open File Report 2006-1249. 111 p. Available on the Internet at <http://www.fort.usgs.gov/products/publications/21759/21759.pdf>
- Bartholow, J.M. and J. Heasley. April 28, 2005. Upper Delaware River Temperature Modeling: Phase I Final Report. 50 pp.
- Bartholow, J.M., and J. Heasley. 2005 Draft. JC Boyle Bypass Segment Temperature Analysis. USGS Administrative Report. Fort Collins Science Center, Fort Collins, Colorado. 24 pp.
- Bartholow, J.M. 2005. Recent Water Temperature Trends in the Lower Klamath River, California. North American Journal of Fisheries Management 25(1): 152-162. Available on the Internet at <http://afs.allenpress.com/afsonline/?request=get-abstract&issn=1548-8675&volume=25&issue=1&page=152>
- Bartholow, J.M. 2005. Modeling Chinook salmon with SALMOD on the Sacramento River, California. Hydroecol. Appl. 14(1):193-219.
- Bartholow, J.M., J. Heasley, R.B. Hanna, J. Sandelin, M. Flug, S. Campbell, J. Henriksen, and A. Douglas. 2005. Evaluating Water Management Strategies with the Systems Impact Assessment Model: SIAM Version 4. Revised March 2005. U.S. Geological Survey, Fort Collins Science Center Open File Report 03-82. Fort Collins, Colorado. March 2003. 133 pp. Available on the Internet at <http://www.fort.usgs.gov>
- Presentation. Bartholow, J.M. and S.G. Campbell. 2004. Lower Klamath Basin Warming and Salmon. Alaska Forum on the Environment 2004, Anchorage, AK, February 10, 2004.
- Bartholow, J. 2004. Detecting trends in water temperatures in the Lower Klamath River, California. Page 23 in Proceedings of the First National Conference on Ecosystem Restoration (NCER). December 6-10, 2004. Lake Buena Vista, Florida. 505 pp.
- Bartholow, J. 2004. Quantifying the effect of dam removal on water temperatures in the Lower Klamath River, California, and implications for salmon recovery. Page 24 in Proceedings of the First National Conference on Ecosystem Restoration (NCER). December 6-10, 2004. Lake Buena Vista, Florida. 505 pp.
- Bartholow, J.M., S. Campbell, and M. Flug. 2004. Predicting the thermal effects of dam removal on the Klamath River. *Environmental Management*, 34(6):856-874.

- Deas, M. 2004. Peer Review of Water Temperature Objectives Used as Evaluation Criteria for the Stanislaus – Lower San Joaquin River Water Temperature Modeling and Analysis: Task 9 - CBDA Project No.: ERP-02-P28. Report prepared for AD Consultants, Moraga, CA. Peer Review Panel: John Bartholow, Chuck Hanson, Chris Myrick. 54 pages.
- Bartholow, J.M. 2004. An economic analysis of alternative fertility control and associated management techniques for three BLM wild horse herds. USGS Open File Report 2004-1199. 33 pp. Available on the Internet at <http://www.fort.usgs.gov/products/publications/21290/21290.asp> (A related report is available at http://www.blm.gov/nhp/spotlight/state_info/planning/mt/pryor/PryorMtnContraceptiveEvaluationReport.pdf)
- Bartholow, J.M. and S.G. Campbell. 2004. Lower Klamath Basin Warming and Salmon. Alaska Forum on the Environment 2004, Anchorage, AK, February 10, 2004.
- Sedgwick, J. and J. Bartholow. 2004. Fox on a hot tin roof. *Western North American Naturalist* 64(3):406-408.
- Bartholow, John M., Joan G. Trial, Jim Terrell, Ken Beland, and Brandon Kulik. 2003. Modeling Atlantic Salmon Production on the Narraguagus River, Maine. Presented at Status of Atlantic salmon; populations and habitats. American Fisheries Society 2003. August 10-14, 2003. Quebec City, Quebec.
- Bartholow, John M. 2003. Modeling Chinook Salmon with SALMOD on the Sacramento River. Chapter 14 in B.L. Lamb, D. Garcia de Jalon, C. Sabaton, Y. Souchon, N. Tamai, H.R. Robinette, T.J. Waddle, and A. Brinson, Editors. Proceedings of the International IFIM Users' Workshop. Fort Collins, Colorado, USA: Colorado State University, Office of Conference Services. Abstract may be found at <http://www.fort.usgs.gov/conferences/ifimconf/Presentations.asp>, presentation at <http://www.fort.usgs.gov/conferences/ifimconf/IFIMGraphic.asp?PresID=2>, and paper at <http://www.fort.usgs.gov/products/publications/21009/21009.asp>.
- Bartholow, J. 2003. Fish Population Modeling: an Extension of the Habitat-based IFIM. Presentation at a workshop titled Instream Flow Science and Management: Developing a Comprehensive, Ecosystem-Based Approach, May 28-29, Seattle, WA
- Bartholow, J.M., J. Heasley, R.B. Hanna, J. Sandelin, M. Flug, S. Campbell, J. Henriksen, and A. Douglas. 2003. Evaluating Water Management Strategies with the Systems Impact Assessment Model: SIAM Version 3. U.S. Geological Survey,

Fort Collins Science Center Open File Report 03-82. Fort Collins, Colorado. March 2003. 128 pp. Available on the Internet at <http://www.fort.usgs.gov>

Bartholow, J.M. 2003. Modeling Uncertainty: Quicksand for Water Temperature Modeling. Pages 221 to 232 in Hydrological Science and Technology 19(1-4), Proceedings of American Institute of Hydrology conference on Hydrologic Extremes: Challenges for Science and Management. October 13-17, 2002, Portland, OR. Also available on the Internet at <http://www.fort.usgs.gov/products/pubs/11043/11043.asp>

Bartholow, J., J. Trial, K. Beland, J. Terrell, and B. Kulik. 2003. Modeling Atlantic Salmon Production on the Narraguagus River, Maine. *In* Status of Atlantic salmon; populations and habitats. American Fisheries Society 2003. Quebec City, Quebec.

Publication and Presentation: "Simulating Water Storage, Delivery, Temperature and Fish Production in the Klamath River." By Campbell, S.G., M. Flug and J. Bartholow. In: Second Federal Interagency Hydrologic Modeling Conference Proceedings, Subcommittee on Hydrology of the Interagency Advisory Committee on Water Data, July 28 - August 1, 2002, Las Vegas, NV. Proceedings in CD format; 12 pp; and published abstract.

Presentation: "Evaluating Water Allocations for Drought Management." Campbell, S.G., M. Flug and J. Bartholow. Second Federal Interagency Hydrologic Modeling Conference, Subcommittee on Hydrology of the Interagency Advisory Committee on Water Data, July 28 - August 1, 2002, Las Vegas, NV. Computer demonstration session and published abstract.

Bartholow, J. 2002. Modeling Chinook salmon with SALMOD on the Sacramento River, California. Project completion report. US Geological Survey. Revised 2002. 97 p. plus appendices.

Bartholow, J.M. 2002. SNTEMP (In)Frequently Asked Questions. Available on the Internet at <http://www.fort.usgs.gov/products/pubs/4037/4037.asp>

Bartholow, J., 2002, Stream Segment Temperature Model (SSTEMP) Version 2.0: Fort Collins, CO, U.S. Geological Survey, 29 p. Computer program and user documentation available at <http://www.fort.usgs.gov/>

Bartholow, J. and B. Milhous. 2002. What Records Have We Been Breaking? Colorado Climate 3(3):1-4.

Presentation: "MODSIM/SIAM"; J. Bartholow, Workshop – Modeling and its Role in the Klamath Basin, May 21, 2001, Arcata, CA.

Presentation: "The Systems Impact Assessment Model (SIAM) Development and Application" J. Bartholow, M. Flug, S. Campbell, J. Heasley, and R. Hanna. Klamath Basin Fish and Water Management Symposium, May 22-25, 2001, Arcata, CA

Saito, L. B.M. Johnson, J. Bartholow, R. B. Hanna. 2001. Assessing Ecosystem Effects of Reservoir Operations Using Food Web-Energy Transfer and Water Quality Models. *Ecosystems* 4(2):105-125. Also available at <http://link.springer-ny.com/link/service/journals/10021/bibs/1004002/10040105.html>

Saito, L., B. Johnson, J. Bartholow, and Blair Hanna. 2001. Assessing Effects of Reservoir Operations on the Reservoir Ecosystem Using Food Web-Energy Transfer and Water Quality Models. 21st Annual American Geophysical Union Hydrology Days, April 2-5, 2001, Colorado State University, Fort Collins, Colorado, USA.

Bartholow, J., Heasley, J., Sandelin, J., Coughlan, B.A.K., Laake, J., and Moos, A. 2001. *Salmod: a population model for Salmonids: User's Manual*. Version 2.0. USGS/FORT Internal Publication. 89 pp. Available on the Internet at <http://www.fort.usgs.gov/products/Publications/4046/4046.asp>.

Bartholow, J.M. 2001. Book Review: A review and synthesis of effects of alterations to the water temperature regime on freshwater life stages of salmonids, with special reference to Chinook salmon. By D.A. McCullough. *Transactions of the American Fisheries Society* 130(2):350.

Bartholow, J.M., R.B. Hanna, L. Saito, D. Lieberman, and M. Horn. 2001. Simulated limnological effects of the Shasta Lake temperature control device. *Environmental Management* 27(4):609-627. Available for some domains on the Internet at http://smig.usgs.gov/SMIG/uo/features_0999/shasta_tcd.html or at <http://www.springerlink.com/>

Bartholow, J. 2000. Raising Shasta Dam: An annotated bibliography to support salmon production model revisions. Interim Draft, September 2000. Submitted to the Bureau of Reclamation. 85 pp.

Bartholow, J.M., 2000, Estimating cumulative effects of clearcutting on stream temperatures, *Rivers*, 7(4), 284-297. Also available on the Internet at http://smig.usgs.gov/SMIG/uo/features_0902/clearcut.html

Bartholow, J.M. 2000. The Stream Segment and Stream Network Temperature Models: A Self-Study Course, Version 2.0. U.S. Geological Survey Open File Report 99-112. 276 pp. Available on the Internet at <http://www.fort.usgs.gov/products/pubs/4090/4090.asp>

Saito, L., B. Johnson, J. Bartholow, and D. Fontane. 2000. Interdisciplinary modeling

to assess ecosystem effects of reservoir operations. International Symposium on Integrated Water Resources Management. Davis, CA. April 2000.

Bartholow, J., L. Saito, B. Hanna, B. Johnson, D. Lieberman, and M. Horn. 2000. Predicting the Effects of Shasta's Temperature Control Device on In-Reservoir Limnology and Fish. Bay Delta Modeling Forum/Interagency Ecological Program, Pacific Grove, California, February 29-March 3, 2000. Poster only.

Publication: Flug, M., J. Bartholow, and S. Campbell. 1999. Systems Impact Assessment Model for the Klamath-Trinity River. In: 26th Annual ASCE Water Resources Planning and Management Conference Proceedings, June 6-9, 1999, Tempe, AZ; in Erin M. Wilson (Ed.), WRPMD - 99 CD Proceedings: Preparing for the 21st Century, July 1, 1999.

Presentations: 9/2/1999; Bartholow, J. 1999. "SIAM: A Systems Impact Assessment Model for the Klamath River Basin". Campbell, SG and RB Hanna "Use of the HEC5Q Water Quality Model in SIAM"; DOI Briefing to USFWS Forensic Lab, Ashland, OR. 2 Sept. 1999.

Presentation: Flug, M., J. Bartholow, S. Campbell, A. Douglas, J. Henriksen, and S. Williamson. 1999. A Systems Impact Assessment Model to evaluate components of the Klamath River ecosystem. Presented at the 3rd Klamath Basin Watershed Restoration and Research Conference, Klamath Falls, OR. 9-11 March 1999.

Bartholow, J.M. 1999. Exploration of Factors Influencing Thermal Diversity in a River Reach: Template for a Study Design. Internet document available at <http://www.fort.usgs.gov/rsm/ifim%2Dchron/factors%5Fthermal/factors%5Fthermal.htm>

Bartholow, J.M., B. Hanna, L. Saito, D. Lieberman, and M. Horn. 1999. Simulated effects of a temperature control device on Shasta Lake. North American Lake Management Society Symposium '99. Reno, Nevada, December 1-4, 1999. Abstract only.

Bartholow, J.M. 1999. Using Fish Population Models to Extend IFIM in New Zealand; SALMOD Step By Step; and the Role of Salmon Population Modeling on the Trinity River. Presentations to the New Zealand National Institute of Water and Atmosphere and the New Zealand Fish and Game Commission, February and March, 1999. Hamilton and Christchurch, New Zealand.

Bartholow, J.M. 1999. SIAM: A Systems Impact Assessment Model for the Klamath River Basin. DOI Briefing, Ashland, OR, Sept 1-2, 1999

Bartholow, J.M., and J. Sandelin. 1999. Getting Results with SIAM, Version 1.1. USGS/MESC Internal Report. 60 pp. Also available with SIAM software over the

Internet at <http://www.fort.usgs.gov/>.

Poster Presentation; Completed; 4/12/1999; Lieberman, D., J. Bartholow, M. Horn, B. Hanna, and L. Saito. 1999. Effects of Dam Reoperation on Reservoir Limnology and Fishery Energetics. Poster presented at North American Lake Management Society Conference, Banff, Alberta, Canada.

Flug, M., J. Bartholow, and S. Campbell. 1999. Restoration and management of western river ecosystems: A Systems Impact Assessment Model for the Klamath-Trinity River. American Society of Civil Engineers. Tempe, AZ. June 6-9, 1999.

Flug, M., J. Bartholow, S. Campbell, A. Douglas, J. Henriksen, and S. Williamson. 1999. A Systems Impact Assessment Model to evaluate components of the Klamath River ecosystem. Presented at the 3rd Klamath Basin Watershed Restoration and Research Conference, March 9-11, 1999, Klamath Falls, OR.

Saito, L., R.B. Hanna, J. Bartholow, and B. Johnson. 1999. Linking hydrodynamic and ecological models at Shasta Lake. American Society of Civil Engineers. Phoenix AZ. June 1999.

Hanna, R.B., L. Saito, J.M. Bartholow, and J. Sandelin. 1999. Results of simulated temperature control device operations on in-reservoir and discharge water temperatures using CE-QUAL-W2. J. of Lake and Reservoir Management 15(2):87-102. Portions available over the Internet at <http://www.fort.usgs.gov/>

Poster: 8/11/1998; Flug, M., J. Bartholow, S. Campbell, A. Douglas, J. Henriksen, and S. Williamson. ; Integrating the Systems Impact Assessment Model for the Klamath-Trinity River Basin. The USGS-BRD National Program Review on Fisheries and Aquatic Resources Program; Madison, WI. August 10-14, 1998.

Bovee, K.D., B.L. Lamb, J.M. Bartholow, C.B. Stalnaker, J. Taylor and J. Henriksen. 1998, Stream habitat analysis using the instream flow incremental methodology. U.S. Geological Survey, Biological Resources Division Information and Technology Report USGS/BRD-1998-0004. Viii +131 pp. Available on the Internet at <http://www.fort.usgs.gov/products/pubs/3910/3910.asp>

Bartholow, J., and J. Sandelin. 1998. Getting results with SIAM for the Klamath River. USGS/BRD/MESC internal publication. 55 pages. [Also available along with the software on the Internet at <http://www.fort.usgs.gov/>

Bartholow, J., D. Lieberman, M. Horn, B. Hanna, and L. Saito. 1998. Effects of Dam Reoperation on Reservoir Limnology and Fishery Energetics. USGS/BRD Fisheries Research Coordination Meeting, Madison, WI, August 11-13, 1998. Poster presentation. Also presented at NALMS Conference in Banff, 9/9/98.

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- Bartholow, J. 1998. Animation of "Age of Water" in Shasta Lake for 1995. Available on the Internet at <http://www.fort.usgs.gov/products/presentations/age%5Fof%5Fwater/age%5Fof%5Fwater.asp>
- Presentation: Bartholow, J.M. 1997. Review and analysis of Klamath River Basin water temperatures as a factor in the decline of anadromous salmonids. Klamath Basin Restoration and Management Conference, Yreka, CA, March 11-13, 1997.
- Hanna, B., L. Saito, J. Bartholow, and J. Sandelin. 1997. Results of Mock 1995 Shasta TCD Operations on In-Reservoir and Discharge water quality parameters using CE-QUAL-W2. Abstract only. 17th International Symposium of the North American Lake Management Society, Houston, TX. page 54. Updated version is available over the Internet at <http://www.fort.usgs.gov/products/pubs/4045/4045.asp>
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- Saito, L., and J. Bartholow. 1997. Summary of Water Temperature Calibration for a CE-QUAL-W2 Model of Shasta Lake, California. Reproduction of workshop proceedings. http://smig.usgs.gov/SMIG/features_0997/shasta_w2.html
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- Bartholow, J., A.J. Douglas, and J.G. Taylor. 1995. Balancing hydropower and environmental values: The resource management implications of the US Electric Consumers Protection Act and the AWARETM software. Environmental Values 4(3):257-270. Abstract available online at <http://www.ericademon.co.uk/EV/EV414.html>

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- Stalnaker, C., B.L. Lamb, J. Henriksen, K. Bovee, and J. Bartholow. 1995. The Instream Flow Incremental Methodology. A primer for IFIM. U.S. National Biological Service Biological Science Report 29. 44 pp. Available on the Internet at http://www.fort.usgs.gov/Products/Publications/pub_abstract.asp?PubID=2422
- Taylor, J.G., Bartholow, J.M., and A.J. Douglas. 1995. A review of ECPA and the AWARE™ software. Pages 643-652 in J.J. Cassidy, Ed. *WaterPower-95*, Proceedings of the International Conference on Hydropower, Volume 1. San Francisco, CA, July 25-28, 1995. American Society of Civil Engineers, New York.
- Taylor, J.G., Bartholow, J.M., and A.J. Douglas. 1995. Balancing hydropower and environmental values: A review of ECPA and the AWARE™ software. *Environmental Software* 10(2):109-115.
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- Bartholow, J.M. 1993. Sensitivity of the U.S. Fish and Wildlife Service's Stream Network Temperature Model. Pages 247-257 in Morel-Seytoux, ed., *Proceedings of the Thirteenth Annual American Geophysical Union Hydrology Days*. Fort Collins, CO.
- Bartholow, J.M., J.L. Laake, C.B. Stalnaker, and S.C. Williamson. 1993. A salmonid population model with emphasis on habitat limitations. *Rivers* 4(4):265-279.
- Williamson, S.C., J.M. Bartholow, and C.B. Stalnaker. 1993. Conceptual model for quantifying pre-smolt production from flow-dependent physical habitat and water temperature. *Regulated Rivers: Research & Management*. 8(1&2):15-28.
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TRAINING RECEIVED

- 2010 - AARP Defensive Driving
- 2006 - Seminar on Decision Analysis
- 2000 - First Aid and CPR
- 1999 - Aircraft safety
 - Introduction to USDA/NRCS Water Quality
 - Metadata Training
 - Lotus Notes and Calendar
- 1998 - Diversity Training
- 1997 - Interdisciplinary Aquatic Sciences Seminar at CSU
- 1996 - Internet
 - River Morphology
 - Practical Management for Technical People
- 1995 - Aviation Management Training for Supervisors
 - US Army Corps of Engineers: CE-QUAL-W2
- 1994 - TQM: Overview of Teams
 - Self-directed Work Teams
- 1993 - Mid-Career Retirement
 - Meteorology
 - TQM: Role of Facilitators
- 1992 - TQM: What and Why
 - TQM: Team Building
 - Training the Trainer
 - TQM
 - Career Development
 - Powerful Presentation Skills
- 1991 - Intro to Supervision
 - Aircraft Safety
 - Conflict Management
- 1990 - Boating Safety
 - Investment in Excellence