



J. ELI ASARIAN
Aquatic Ecologist/Hydrologist

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PROFESSIONAL EXPERIENCE:

Riverbend Sciences (2008 – present)

Founder, owner, and principal scientist. Clients/projects include:

Yurok Tribe Fisheries Program/Trinity River Restoration Program (2018 – present): write Temperature Synthesis Report

Hoop Valley Tribe (2019): prepared grant application to Bureau of Reclamation for monitoring macroinvertebrates, pesticides, and streamflow on Hoopa Valley Indian Reservation creeks

Paradigm Environmental/California State Water Resources Control Board (2017 – present): stream temperature modeling and supporting hydrological modeling of the South Fork Eel River and Shasta River

Eel River Recovery Project (2017 – 2018): wrote report summarizing spatial and interannual patterns in Eel River cyanobacterial toxins

Quartz Valley Indian Reservation (2017): Developed water quality control plan.

Salmon River Restoration Council (2016 – 2019): Salmon River Basin stream temperature analysis including assessment of spatial patterns, long-term trends, and causes of trends.

Yurok Tribe Environmental Program (2016 – 2017): Stream temperature modeling of Yurok Ancestral Territory using spatial stream-network models.

Eel River Recovery Project/California State Water Resources Control Board (2015 – 2018): Eel River Basin stream temperature analysis including spatial patterns and long-term trends.

Watershed Research and Training Center/California Department of Fish and Wildlife (2015 – 2016): South Fork Trinity River Stream Temperature Analysis.

Aquatic Ecosystem Sciences/Klamath Tribes/U.S. Bureau of Reclamation (2014 – 2015): Seasonal and long-term trends in 23-years of Upper Klamath Lake phytoplankton and zooplankton data.

California Trout (2014 – present): Projects include refining framework for determining instream flow needs and allowable diversions in North Coast California streams, development of online spreadsheet to determine instream flow requirements for the Potter Valley Project on the Eel River, and estimating upper Eel River unimpaired natural flows.

Friends of the Eel River (2014 – 2015): Precipitation and streamflow trends in the Eel River Basin.

Occidental Arts and Ecology Center/The Nature Conservancy (2013 – 2014): GIS maps of historical evidence of beaver presence on the northern California coast

Karuk Tribe (2012 – 2013): Revised Karuk Tribe's water quality control plan.

Stillwater Sciences/California Coastal Conservancy/PacifiCorp (2012 – 2013): Member of consulting team preparing technical documents for Klamath River Pollutant Reduction Feasibility Study to assess the potential for large-scale nutrient reduction projects in the Upper Klamath Basin.

Humboldt Baykeeper (2013): GIS maps for Humboldt Baykeeper project: Sea Level Rise Vulnerability Assessment for Contaminated Sites near Humboldt Bay.

Healthy Humboldt Coalition (2011): GIS maps and analyses comparing the development potential of alternatives in the Humboldt County General Plan.

California Beaver Working Group (2011– present): Created interactive web-based GIS map of the distribution of beavers in California and Oregon (www.riverbendsci.com/projects/beavers), using Google Maps and Google Fusion Tables.

Aquatic Ecosystem Sciences/Klamath Tribes/U.S. Bureau of Reclamation (2008 – 2019): Compiled and analyzed nutrient, phytoplankton, and zooplankton data for Upper Klamath Lake and its tributaries.

Karuk Tribe (2008 – 2009): Developed nutrient budgets for Iron Gate and Copco Reservoirs.

American Rivers (2008): Developed study plans regarding the effects of dam removal on Klamath River water quality.

Ocean Associates/NOAA Fisheries Affiliate/Contractor (2012 – 2014)

Data analysis, writing, and editing to support the development of a recovery plan for coho salmon in northwestern California and southwestern Oregon. Main project: hydrologic analysis of long-term trends in summer flow and precipitation.

Kier Associates (2002 – present)

Principal water quality analyst, water quality science support team, Klamath Basin Tribal Water Quality Work Group, Kier Associates. Review documents and prepare comments to assist tribal involvement in processes such as Klamath Hydroelectric Project relicensing/decommissioning, and Total Maximum Daily Loads (TMDLs) development, Klamath Basin Restoration Agreement, Klamath Hydropower Settlement Agreement, and the Klamath Basin Monitoring Program. (2004 – present)

Project manager, provide science support in the development of Recovery Plans for three Pacific Coast salmon species, National Marine Fisheries Service (NMFS), Southwest Region. Services include data compilation, data analysis, GIS mapping, research, and writing. (2006 – 2017)

Project manager, development of the West Coast Salmon Recovery Actions Tracking System, an interactive GIS-based Internet portal that allows NMFS and stakeholders to update and track the implementation of salmon recovery plans for the West Coast of the U.S. (2010 – 2011).

Conducted water quality analyses and authored technical memoranda for various Klamath Basin Tribes (see list of reports and presentations below)

Klamath Resource Information System (KRIS) (2002 – 2006)

Assisted Institute for Fisheries Resources and Kier Associates in the development of Klamath Resources Information Systems (KRIS, www.krisweb.com) projects. Specialized in the analysis and technical review of fisheries, water quality, and GIS data. Performed watershed data synthesis and salmonid limiting factor analysis. Project locations extend from San Francisco Bay north to the Klamath River, also in Maine.

Scientific Aid, California Department of Fish and Game (2001 – 2002)

Synthesized historical reports, analyzed data, and wrote reports on fish and water quality in Mendocino County streams. Set up Access databases and created GIS maps. Conducted electrofishing surveys, spawner surveys, and operated fyke net traps.

Field Research Assistant, Sierra Nevada Aquatic Research Lab (2000, 2001)

Surveyed remote lakes, ponds, marshes and streams in Yosemite and Sequoia National Parks to map distribution of fish, amphibians, reptiles, zooplankton and benthic invertebrates.

Field Research Assistant, UC Santa Cruz (2000)

Conducted field surveys of vegetation in California coastal grasslands using a variety of techniques. Mapped transect locations with GIS/GPS.

EDUCATION:

University of California, Santa Cruz, B.A., Biology and Environmental Studies, 2000.

REPORTS AND PUBLICATIONS:

(# denotes a peer-reviewed publication)

Asarian, J.E., L. Cressey, B. Bennett, J. Grunbaum, L. Cyr, T. Soto, C. Robinson. 2020. Influence of Snowpack, Streamflow, Air Temperature, and Wildfire Smoke on Klamath Basin Stream Temperatures, 1995-2017. Prepared for the Klamath Tribal Water Quality Consortium by Riverbend Sciences with assistance from the Salmon River Restoration Council, Klamath National Forest, Six Rivers National Forest, Karuk Tribe Department of Natural Resources, and Quartz Valley Indian Reservation. 44p. + appendices.

Asarian, J.E., C. Robinson. 2020. Relationships Between Water Temperature, Air Temperature, and River Flows in the Scott River near Fort Jones, California. Prepared by Riverbend Sciences and Quartz Valley Indian Reservation for Klamath Tribal Water Quality Consortium. 16 p. + appendices.

Asarian, J.E., L. Cressey, B. Bennett, J. Grunbaum, L. Cyr, T. Soto. 2019. Evidence of Climate-Driven Increases in Salmon River Water Temperatures. Prepared for the Salmon River Restoration Council by Riverbend Sciences with assistance from the Salmon River Restoration Council, Klamath National Forest, Six Rivers National Forest, and Karuk Tribe Department of Natural Resources. 53 p. + appendices.

Asarian, J.E. 2019. Analysis of Flow-Water Quality Relationships at Scott River Gage. Prepared by Riverbend Sciences for the Klamath Tribal Water Quality Consortium. 14p. + appendices.

Genzoli, L, **J.E. Asarian** and J. Kann. 2018. State of the Basin: Klamath River Water Quality 2017, Background and Methods to Accompany 2017 Klamath Water Quality Flyers. Prepared by for the Klamath Tribal Water Quality Consortium. 14 p. + appendices.

David, A.T., **J.E. Asarian**, and F.K. Lake. 2018. Wildfire Smoke Cools Summer River and Stream Water Temperatures. *Water Resources Research*. 54:7273–7290. doi: 10.1029/2018WR022964 #

Asarian, J.E. and P. Higgins. 2018. Eel River Cooperative Cyanotoxin Analysis Summary 2013-2017. Prepared for the Eel River Recovery Project.

- Klamath Tribal Water Quality Consortium. 2018. Upper Klamath Basin Nonpoint Source Pollution Assessment and Management Program Plan. 78p.
- David, A.T., **J.E. Asarian**, and F.K. Lake. 2017. Can summer wildfire smoke reduce peak water temperatures in the Salmon River, potentially benefiting cold-water fishes? A preliminary analysis. Prepared for the Klamath Tribal Water Quality Consortium by Riverbend Sciences with assistance from the U.S. Fish and Wildlife Service Arcata Office and the U.S. Forest Service Pacific Southwest Research Station. 25p.
- Asarian, J.E.** 2017. GIS Stream Temperature Modeling of Yurok Ancestral Territory. Prepared by Riverbend Sciences for the Yurok Tribe Environmental Program, Klamath, CA. 39 p.
- Asarian, J.E.** 2016. Stream Temperatures in the South Fork Trinity River Watershed 1989-2015. Prepared by Riverbend Sciences for The Watershed Research and Training Center, Hayfork, CA. 61p. + appendices.
- Asarian, J.E.**, P. Higgins, P. Trichilo. 2016. Stream Temperatures in the Eel River Basin 1980-2015, Phase 1: Compilation and Preliminary Analysis. Prepared by Riverbend Sciences and the Eel River Recovery Project for State Water Resources Control Board, Sacramento, CA. 73p. + appendices
- Asarian, J.E.** and J. Walker. 2016. Long-Term Trends in Streamflow and Precipitation in Northwest California and Southwest Oregon, 1953-2012. *Journal of the American Water Resources Association*. 52: 241-261. #
- Gillett, N.D., Y. Pan, **J.E. Asarian**, and J. Kann. 2016. Spatial and temporal variability of river periphyton below a hypereutrophic lake and a series of dams. *Science of the Total Environment* 541: 1382–1392. #
- Genzoli, L., R.O. Hall, **J.E. Asarian**, and J. Kann. 2015. Variation and Environmental Association of Ecosystem Metabolism in the Lower Klamath River: 2007-2014. Prepared by the University of Wyoming, Riverbend Sciences, and Aquatic Ecosystem Sciences LLC. for the Klamath Tribal Water Quality Consortium. 44p. + appendices.
- Asarian, J.E.** 2015. Long-Term Streamflow and Precipitation Trends in the Eel River Basin. Prepared by Riverbend Sciences for Friends of the Eel River, Arcata, CA. 30p. + appendices
- Asarian, J.E.**, Y. Pan, N.D. Gillett, and J. Kann. 2015. Periphyton Assemblages and Associated Environmental Conditions in the Klamath River 2004-2013. Prepared by Riverbend Sciences, Portland State University, and Aquatic Ecosystem Sciences LLC. for the Klamath Basin Tribal Water Quality Work Group. 48p. + appendices.
- Kann, J., **J.E. Asarian**, A. St. Amand. 2015. Initial Analysis of 1990-2013 Phytoplankton and Zooplankton Data for Upper Klamath Lake (Phase I). Prepared by Aquatic Ecosystem Sciences LLC. for the Klamath Tribes Natural Resources Department. 100p. + appendices.
- Genzoli, L., C. Robinson, and **J.E. Asarian**. 2015. Patterns of Fecal Indicator Bacteria in the Scott River Watershed, 2007-2014. Prepared by Kier Associates and Quartz Valley Indian Reservation. Prepared for the Quartz Valley Indian Reservation, Fort Jones, CA. 47 p. + appendices.
- Asarian, E.** 2015. Assessment of altered hydrologic function, dams, and diversions within the Southern Oregon/Northern California Coast evolutionarily significant unit of coho salmon, Version 2. Prepared for NOAA Fisheries, Arcata, CA. 72 p. + appendices.
- Asarian, J.E.**, Y. Pan, N.D. Gillett, and J. Kann. 2014. Spatial and Temporal Variation of Periphyton Assemblages in the Klamath River, 2004-2012. Prepared by Kier Associates, Portland State

- University, and Aquatic Ecosystem Sciences LLC. for the Klamath Basin Tribal Water Quality Work Group. 50p. + appendices.
- Lanman CW, Lundquist K, Perryman H, **Asarian JE**, Dolman B, Lanman RB, and Pollock MP. 2013. The historical range of beaver (*Castor canadensis*) in coastal California and the San Francisco Bay Area: An updated review of the evidence. *California Fish and Game Journal* 99(4): 193-221. #
- Asarian, E.** and J. Kann. 2013. Synthesis of Continuous Water Quality Data for the Lower and Middle Klamath River, 2001-2011. Prepared by Kier Associates and Aquatic Ecosystem Sciences for the Klamath Basin Tribal Water Quality Work Group. 50p. + appendices.
- Hoopa Tribal Environmental Protection Agency. 2013. Water Quality Monitoring by the Hoopa Tribal Environmental Protection Agency 2008–2012. Prepared by the Hoopa Tribal Environmental Protection Agency in cooperation with Kier Associates. 21p.
- Stillwater Sciences, Jones & Trimiew Design, Atkins, Tetra Tech, **Riverbend Sciences**, Aquatic Ecosystem Sciences, and NSI/Biohabitats. 2013. Water Quality Improvement Techniques for the Upper Klamath Basin: A Technical Workshop and Project Conceptual Designs. Prepared for California State Coastal Conservancy, Oakland, California.
- Stillwater Sciences, **Riverbend Sciences**, Aquatic Ecosystem Sciences, Atkins, Tetra Tech, NSI/Biohabitats, and Jones & Trimiew Design. 2012. Klamath River pollutant reduction workshop—information packet. Revised. Prepared for California State Coastal Conservancy, Oakland, California.
- Asarian, E.** and J. Kann. 2011. Phytoplankton and Nutrient Dynamics in Iron Gate and Copco Reservoirs 2005-2010. Prepared by Kier Associates and Aquatic Ecosystem Sciences for the Klamath Basin Tribal Water Quality Work Group. 60p + appendices.
- Stanford, J., W. Duffy, **E. Asarian**, B. Cluer, P. Detrich, L. Eberle, S. Edmondson, S. Foott, M. Hampton, J. Kann, K. Malone, and P. Moyle. 2011. Conceptual Model for Restoration of the Klamath River. *Pages 151-184 in Thorsteinson, Lyman, VanderKooi, Scott, and Duffy, Walter, eds: 2011. Proceedings of the Klamath Basin Science Conference. Medford, Oregon, February 1–5, 2010: U.S. Geological Survey Open-File Report 2011-1196, 312 p. #*
- Asarian, E.**, J. Kann, and W. Walker. 2010. Klamath River Nutrient Loading and Retention Dynamics in Free-Flowing Reaches, 2005-2008. Final Technical Report to the Yurok Tribe Environmental Program, Klamath, CA. 59pp + appendices.
- Asarian, E.**, J. Kann, and W. Walker, 2009. Multi-year Nutrient Budget Dynamics for Iron Gate and Copco Reservoirs, California. Prepared by Riverbend Sciences, Kier Associates, Aquatic Ecosystem Sciences, and William Walker for the Karuk Tribe Department of Natural Resources, Orleans, CA. 55pp + appendices.
- Asarian, E.**, and J. Kann. 2008. Study Plans Regarding the Effects of Dam Removal on Nutrient-Related Aspects of Water Quality in the Klamath River. Prepared for the Decommissioning Investigations Group (DIG) and American Rivers, Nevada City, California. 12pp + attachments.
- Kier Associates and National Marine Fisheries Service (NMFS). 2008. Updated Guide to Reference Values used in the Southern Oregon/Northern California Coho Salmon Recovery Conservation Action Planning (CAP) Workbook. Kier Associates, Blue Lake, CA and National Marine Fisheries Service, Arcata, CA. 31 pp.
- Kann, J and **E. Asarian**. 2007. Nutrient Budgets and Phytoplankton Trends in Iron Gate and Copco Reservoirs, California, May 2005 - May 2006. Final Technical Report to the State Water Resources Control Board, Sacramento, California. 81pp + appendices.

- Asarian, E.** and J. Kann. 2006. Klamath River Nitrogen Loading and Retention Dynamics, 1996-2004. Kier Associates Final Technical Report to the Yurok Tribe Environmental Program, Klamath, California. 56pp + appendices.
- Asarian, E.** and J. Kann. 2006. Technical Memorandum: Evaluation of PacifiCorp's Klamath River Water Quality Model Predictions for Selected Water Quality Parameters. Prepared by Kier Associates and Aquatic Ecosystem Sciences for the Yurok Tribe Environmental Program, Klamath, California. 32 pp.
- Kann, J and **E. Asarian**. 2006. Technical Memorandum: Longitudinal Analysis of Klamath River Phytoplankton Data 2001-2004. Prepared by Kier Associates and Aquatic Ecosystem Sciences for the Yurok Tribe Environmental Program, Klamath, California. 36 pp.
- Kier Associates. 2006. Nutrient Criteria for the Klamath River on the Hoopa Valley Indian Reservation. Prepared for the Hoopa Tribal EPA, Hoopa, CA. 82 pp.
- Kann, J., and **E. Asarian**. 2005. 2002 Nutrient and Hydrologic Loading to Iron Gate and Copco Reservoirs, California. Kier Associates Final Technical Report to the Karuk Tribe Department of Natural Resources, Orleans, California. 59pp + appendices.
- Peterson, G.D., B. Lydgate, **E. Asarian**, and T. Bolton. 2003. Final Report: Mattole Basin Channel Monitoring, 2002-2003, Baseline Channel Monitoring in 14 Tributary Reaches Associated with Sediment-Reduction Treatments. Prepared by the Mattole Salmon Group, Streamfellows, and Institute for Fisheries Resources under subcontract to the Mattole Restoration Council in fulfillment of State Water Resources Control Board Agreement Nos. 01-102-251-0 (Task 6.2) and 01-151-251-0 (Task 8.2). Mattole Salmon Group, Petrolia, CA.

PRESENTATIONS:

- Asarian, E.** 2020. Climate-driven Increases in Salmon River Water Temperatures: Implications for Spring-run Chinook. Presentation at the Spring Run Chinook Symposium, virtual, July 23, 2020. <https://vimeo.com/showcase/7398900/video/443165482>
- Asarian, E.** 2020. How does flow affect Scott River water temperatures? Presentation at the Klamath Basin Monitoring Program spring meeting. Virtual, May 27, 2020. http://www.kbmp.net/images/stories/pdf/Meeting_Materials/Meeting_25/Presentations/1_Asarian_ScottTemps_20200527_KBMP.pdf
- Asarian, E.**, L. Cressey, B. Bennett, J. Grunbaum, L. Cyr, T. Soto, C. Robinson 2020. Influence of Snowpack, Flow, Air Temperature, and Smoke on Klamath Basin Stream Temperatures Including Long-Term Trends. Poster at River Restoration Northwest conference, Skamania, WA, February 5, 2020.
- Asarian, E.** 2019. Long-Term Stream Temperature Trends in the Klamath Basin. Presentation at the Klamath Basin Monitoring Program fall meeting. Yreka, CA, Nov. 13, 2019.
- Asarian, E.** 2019. Long-Term Stream Temperature Trends in the Klamath Basin of Northern California and Southern Oregon. Presentation at American Fisheries Society Conference, Oct. 2, 2019.
- Asarian, E.**, A. David, F. Lake. 2019. Wildfire Smoke Cools Summer River and Stream Water Temperatures. Presentation at American Fisheries Society Conference, Sept. 30, 2019.
- Asarian, E.** 2019. Climate change effects on water temperatures and implications for Eel River salmonid populations. Presentation at the Eel River Forum. Willits, CA, Sept 25, 2019.

- Asarian, E.,** A. David, F. Lake. 2019. Wildfire Smoke Cools Summer River and Stream Water Temperatures. Presentation at River Restoration Northwest, Skamania, WA, Feb. 7, 2019.
- Asarian, E.** and L. Genzoli. 2018. Science simplified: 2017 Middle/ Lower Klamath "State of the Basin" water quality reports. Presentation at the Klamath Basin Monitoring Program fall meeting. Yreka, CA, Nov. 14, 2018.
- Asarian, E.** 2018. Predicted response of Salmon River stream temperatures to climate change. Presentation at the Klamath Basin Monitoring Program spring meeting. Yreka, CA, May 2, 2018.
- Asarian, E.** and J. Stallman. 2018. Potential Effects of Climate Change on Thermally Suitable Habitat for Salmonids in the Salmon River, California. Presentation at the Salmonid Restoration Federation annual conference. Fortuna, CA, April 14, 2018.
- Asarian, E.** and L. Cressey. 2017. Insights from the Salmon River's 20-year Water Temperature Monitoring Program. Presentation at the Klamath Basin Monitoring Program fall meeting. Klamath Falls, OR, Nov. 14, 2017.
- Asarian, E.** 2017. Wildfire smoke reduces peak summer water temperatures in Klamath Basin streams. Presentation at the Klamath Basin Monitoring Program fall meeting. Klamath Falls, OR, Nov. 14, 2017.
- Asarian, E.** 2017. Where to Stay Cool in a Warming Climate: Thermal Refugia Status and Trends from the Salmon River's 20-Year Monitoring Program. Presentation at the Spring Chinook Symposium. Forks of Salmon, CA, July 27, 2017.
- Asarian, E.** 2017. GIS Stream Temperature Modeling of Yurok Ancestral Territory. Presentation at the Klamath Basin Monitoring Program spring meeting. Klamath, CA, March 15, 2017.
- Asarian, E.** and J. Kann. 2017. Predicting Long-Term Effects of Dam Removal on Water Quality, Nutrients, and Primary Production in the Klamath River. Presentation at River Restoration Northwest, Skamania, WA, Feb. 8, 2017.
- Asarian, E.,** J. Kann, A. St. Amand. 2016. Standardization and Long-term Trends in a Multi-Decadal Phytoplankton Database for Upper Klamath Lake, Oregon. Presentation at the Society for Freshwater Science conference. Sacramento, CA, May 24, 2016.
- Asarian, E.** and C. Buxton. 2016. Klamath Tribal Water Quality Consortium's Non-point Source Pollution Management Plan for the Upper Klamath Basin. Presentation at the Klamath Basin Monitoring Program fall meeting. Yreka, CA, April, 2016.
- Asarian, E.** 2016. Long-term trends in streamflow in the Eel River basin and California's North Coast. Presentation at the Salmonid Restoration Federation annual conference. Fortuna, CA, April 2016.
- Asarian, E.,** J. Kann, A. St. Amand. 2015. Database Standardization and Long-term Trends in Upper Klamath Lake Plankton 1990-2013. Presentation at the Klamath Basin Monitoring Program fall meeting. Yreka, CA, November 2015.
- Asarian, E.** and T. Lisle. 2015. Long-term trends in streamflow in the Eel/Russian basins and California's North Coast. Presentation at the Salmonid Restoration Federation annual conference. Santa Rosa, CA, March 2015.
- Asarian, E.,** Y. Pan, N. Gillett, J. Kann. 2014. Effect of Nutrients, Streamflow, and Water Temperature on Klamath River Periphyton Community Composition, 2004-2013. Presentation at the Klamath Basin Monitoring Program fall meeting. Yreka, CA, November 2014.
- Asarian, E.,** Y. Pan, N. Gillett, J. Kann. 2014 Spatial and Temporal Variation of Periphyton Assemblages in the Klamath River 2004-2012. Presentation at the Klamath Basin Monitoring Program spring meeting. Yreka, CA, April 2014.

- Asarian, E.** 2014. Does Fire Affect Long-Term Trends in Summer Streamflow in Southwest Oregon and Northwest California? Poster at Klamath Fire Ecology Symposium. Orleans, CA, April 2014.
- Asarian, E.** 2013. Long-Term Stream Flow Trends in the Eel River and Northern California Coast. Presentation at Eel River Symposium. Fortuna, CA, March 2014.
- Asarian, E.** 2014. Current Distribution of Beavers in California: Implications for Salmonids. Presentation at the Salmonid Restoration Federation annual conference. Santa Barbara, CA, March 2014.
- Asarian, E.** 2013. Hydrologic Analysis of Southern Oregon and Northern California Streams: Long-Term Trends in Summer Flow and Precipitation. Poster at the Salmonid Restoration Federation annual conference. Fortuna, CA, April 2013.
- Asarian, E.** 2013. Beaver Mapper: Web-based Collaborative Mapping of Beavers in California and Oregon. Presentation at the State of the Beaver biennial conference. Canyonville, OR, January 2013.
- Asarian, E.** and J. Kann. 2012. Using Monitoring Data and Empirical Analyses to Predict the Long-Term Effects of Dam Removal on Nutrients, Water Quality, and Periphyton in the Klamath River. Presentation at the National Water Quality Monitoring Conference. Portland, OR, May 2012.
- Asarian, E.** 2012. Beaver Mapper: An Interactive Web-based Tool to Collaboratively Map Beaver Distribution. Poster at the Salmonid Restoration Federation annual conference. Davis, CA, April 2012.
- Asarian, E.** and K. Lundquist. 2012. Working With Beaver to Benefit Salmonids: Non-Lethal Management Solutions. Poster at the Salmonid Restoration Federation annual conference. Davis, CA, April 2012.
- Asarian, E.** and J. Kann. 2011. Phytoplankton and Nutrient Dynamics in Iron Gate and Copco Reservoirs 2005-2010. Presentation at the Klamath Basin Monitoring Program fall meeting. Arcata, CA, April 2011.
- Asarian, E.** 2011. Options and Benefits of Developing a Digital Document Library for the KBMP. Presentation at the Klamath Basin Monitoring Program spring meeting. Yreka, CA, March 2011.
- Asarian, E., J. Kann, W. Walker.** 2010. Klamath River Nutrient Loading and Retention Dynamics in Free-Flowing Reaches. Poster at the USGS Klamath Basin Science Conference. Medford, Oregon, February 2010.
- Asarian, E., J. Kann, W. Walker.** 2010. Nutrient Budget Dynamics in Copco and Iron Gate Reservoirs, 2005-2007. Presentation at the USGS Klamath Basin Science Conference. Medford, Oregon, February 2010.
- Asarian, E., J. Kann, J. Kann, W. Walker.** 2010. Klamath River Nutrient Loading and Retention Dynamics in Free-Flowing Reaches 2005-2008. Presentation at the Klamath Basin Monitoring Program spring meeting. Arcata, CA, April 2010.
- Asarian, E.** and J. Kann. 2009. Preliminary Nutrient Budget Dynamics in Copco and Iron Gate Reservoirs, 2005-2007. Presentation at the Klamath Basin Monitoring Program spring meeting. Arcata, CA, March 2009.
- Asarian, E., J. Derksen, P. Higgins, G. Bryant, S. Flanigan, M. Capelli, P. Ruvelas.** 2008. Tools for Regional Analysis of Aquatic and Landscape Data to Support Salmonid Recovery Planning. Presentation and poster at the Salmonid Restoration Federation annual conference. Lodi, CA, March 2008.

Asarian, E. 2005. Klamath River Water Quality: an Issue in the Proposed Federal Relicensing of the Klamath Hydroelectric Project. Presentation at the Salmonid Restoration Federation Annual Conference. Fortuna, CA, May 2005.

PROFESSIONAL AFFILIATIONS AND OTHER EXPERIENCE:

Salmonid Restoration Federation: Board of Directors (2015 – present), Vice-President (2020 – present), member (2004 – present)

American Fisheries Society: member

Ecological Society of America: member

California Native Plant Society: member

Klamath Basin Monitoring Program: member (2005 – present).

Attended Humboldt State University's 4-day Workshops on the Use of Constructed Wetlands for Water Quality Management (2003 and 2004).

Attended U.S. Forest Service Rocky Mountain Research Station's 3-day workshop on Spatial Statistical Modeling on Stream Networks (2016).

City of Eureka's Energy Committee: advised city council on energy issues. Co-chair (2009 – 2010) and chair (2011 – 2014).