

Dave Marmorek, 2021 ISAC Co-Chair

Areas of Expertise for the PRRIP: adaptive management, decision analysis, modeling

David Marmorek is an aquatic ecologist with 40 years of experience in predicting and assessing the potential impacts of human activities on ecosystems, and in designing strategies to rehabilitate damaged ecosystems and recover threatened biota. Over the last two decades, his primary focus has been on fish and wildlife species affected by dams and flow management, including river basins in California (Clear Creek, Trinity River, Russian River, Sacramento River, Klamath River), the Pacific Northwest (Columbia and Snake Rivers), the American Southwest (Rio Grande), the U.S. Midwest (Platte River, Missouri River) and British Columbia (Cheakamus, Okanagan, Canadian Columbia Basin, Peace). He has contributed to the development and implementation of effective approaches for maintaining and recovering fish and wildlife populations, combining his group leadership and facilitation skills with his knowledge of scientific methods (aquatic ecology, data analysis, modelling, experimental design, monitoring, adaptive management, decision analysis). His academic background includes an Honours B.E.S. (Environmental Studies and Mathematics) from the University of Waterloo, and an M.Sc. in Zoology from the University of British Columbia. David is the author of over 40 peer-reviewed publications and is an Adjunct Professor at the School of Resource and Environmental Management at Simon Fraser University. He has served on eight science advisory panels, including the Independent Science Advisory Committee (ISAC) for the Platte River Recovery Implementation Program from 2009 to present. He currently chairs the Fish Technical Team for the Missouri River Recovery Program. For his work on designing regional scale surveys of surface waters sensitive to acidification, he received the Bronze Medal for Commendable Service from the U.S. Environmental Protection Agency.