

JOINT COMMITTEE ON FISHERIES ENGINEERING AND SCIENCE



2016 Webinar Series



PRESENTER BIOGRAPHY

Michael Love is the principal engineer of Michael Love & Associates, Inc. in Arcata, California. He has designed a wide variety of fish passage facilities since starting his company in 1999. He was a lead developer of the US Forest Service FishXing software and learning system, and a co-author of numerous publications on fish passage at road-stream crossings, including the State of California's fish passage assessment and design manuals.

WEBINAR INFORMATION

Date: Tuesday, November 15, 2016

Time: 12:00p ET | 9:00a PT

Duration: 60 Minutes

Webinar Platform: Microsoft Lync (call in number will be provided to registrants)

Please RSVP and direct any questions or comments to Erin McCombs at fisheriesengineeringscience@gmail.com

ONE SIZE DOES NOT FIT ALL: CONTEMPORARY DESIGN APPROACHES TO ADDRESS FISH PASSAGE AT STREAM CROSSINGS

Michael Love
Michael Love & Associates, Inc.
Arcata, California

Part XII of the California Department of Fish and Wildlife's Salmonid Stream Habitat Restoration Manual summarizes contemporary design approaches and implementation techniques for providing fish passage at existing and replacement stream crossings, small dams, and other in-stream structures. This 60-minute presentation will provide an overview of the manual, including important steps in the pre-design and geomorphic evaluation phases, importance of assessing risk associated with incising channels, and the various approaches available to improve fish passage and their applicability. The presentation will provide an overview of the stream simulation approach, baffles for culvert retrofits, and grade control techniques, including boulder and log weirs, geomorphically-based roughened channels, and pool and chute fishways. The presentation will use project examples to illustrate the different approaches, while focusing on lessons learned.

Part XII can be downloaded at
<http://www.dfg.ca.gov/fish/resources/habitatmanual.asp>

The Joint Committee on Fisheries Engineering and Science is hosting a free webinar series as part of its mission to engage scientists and engineers on topics related to fish passage. The Committee consists of members of the American Fisheries Society Bioengineering Section (AFS-BES) and the American Society of Civil Engineers Environmental and Water Resources Institute (ASCE-EWRI). It was established in January 2011 to foster communication between the two groups, provide opportunities for engineers and biologists to share relevant knowledge and learn from one another, and to collaborate on projects related to fish passage.