JOINT COMMITTEE ON FISHERIES ENGINEERING AND SCIENCE

2016 Webinar Series

PRESENTER BIOGRAPHY

Steve Thomas has been a hydraulic engineer with the National Marine Fisheries Service in Santa Rosa, California since 1997. He leads a small team of SCUBA divers that monitors conditions of federally-funded fish screens on water diversions in California's Central Valley.

WEBINAR INFORMATION

Date: Thursday, April 7, 2016

Time: 12:00p EDT | 9:00a PDT

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

OBSERVATIONS OF CALIFORNIA FISH SCREENS: WHAT'S WORKING AND WHAT IS NOT

Steven Thomas, P.E.
National Marine Fisheries Service
Santa Rosa, California

Fish screens have been widely used to prevent entrainment of fish into water diversions for decades. For the past 20+ years, California's Central Valley Project Improvement Act made available multiple millions of dollars for the design and construction of fish screens on existing water diversions through the Anadromous Fish Screen Program (AFSP). A small team of National Marine Fisheries Service divers has monitored the performance of many of the screens funded through the AFSP and have used the information learned to improve fish screen designs over time.

This presentation will examine failures and successes in fish screen design and operation as observed directly through dive inspections and interviews with system operators. The goal of this presentation is to convey information to fish screen designers and project reviewers to consider the lessons learned from past projects to improve project designs in the future.

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.