**Southern California Steelhead: DIDSON deployments to date and implications for future research and management**

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Abstract

Dual Frequency Identification Sonar (DIDSON) cameras are being used to monitor endangered southern California steelhead trout (*Oncorhynchus mykiss*) in high priority watersheds, designated “Core 1” by the National Marine Fisheries Service (2012). DIDSON allows for the passive collection of data, which avoids altering steelhead behavior or causing harm to a listed species. DIDSON deployments by Pacific States Marine Fisheries Commission, the Santa Monica Mountains Resource Conservation District and United Water in Santa Barbara, Ventura and Los Angeles Counties did not definitively detect any migrating steelhead during deployments through the 2014-2015 water year; the majority of these deployments coincide with one of California’s most severe droughts on record. This presentation will explore DIDSON deployments to date including preliminary results from the 2015-2016 season and implications for future research and management priorities.