**Wild Central Valley steelhead still persist in Mill Creek: Results of Recent Adult Escapement and Run Timing Information Obtained Using a Video Monitoring System**

Matt Johnson California Department of Fish and Wildlife Matt.Johnson@Wildlife.ca.gov

 The California Department of Fish and Wildlife’s (CDFW) Red Bluff Fisheries Office has operated a year-round video fish counting station on lower Mill Creek (Tehama County) since fall of 2008. Located at Ward Dam, a small irrigation dam located at river mile 2.8, the video station records continuous fish passage data using overhead and underwater cameras trained on a fish ladder exit. A DIDSON unit replaces video cameras during turbid water periods to provide uninterrupted coverage. Data obtained at the station is used by CDFW to provide annual escapement estimates of fall, late-fall, and spring-run Chinook salmon and steelhead in Mill Creek. Prior to 2008 current population and run-timing data for Mill Creek steelhead was unavailable, with the most recent Mill Creek steelhead data going back to Clough Dam fish trap counts from the mid-1950’s to mid-1960’s. Mill Creek steelhead data obtained 2008 through fall 2015 will be presented, including population estimates and run-timing. A comparison of current population status and run-timing with 1950’s-1960’s Clough Dam counts will be discussed, along with a discussion on what may be limiting steelhead populations in Mill Creek, including habitat availability, hatchery influences, irrigation diversions in lower Mill Creek, and survival of steelhead smolts in the Sacramento River and Bay-Delta.