

Amanda Cranford - NOAA Federal

From: Amanda Cranford - NOAA Federal
Sent: Tuesday, April 30, 2019 9:54 AM
To: Naseem Alston - NOAA Federal
Subject: Re: Nimbus

Shortly after completing the genetic testing work, steelhead eggs were transferred from Coleman National Fish Hatchery to Nimbus Hatchery for rearing and release into the American River (2015 and 2016). The purpose of this effort was to determine whether CCV steelhead (that are part of the DPS) from a different hatchery facility could be successfully reared at Nimbus Fish Hatchery, released, and return to the American River as adults. Due to the increased prevalence of Bacterial Kidney Disease (BKD) in steelhead produced at Coleman National Fish Hatchery detected during 2017, transfers to Nimbus Fish Hatchery were discontinued and it was determined that these fish would not serve a good replacement for the current Nimbus steelhead broodstock. This finding emphasized the importance of the remaining *O. mykiss* upstream of Folsom Dam to serve as potential source for the broodstock replacement effort.

On Tue, Apr 30, 2019 at 8:55 AM Naseem Alston - NOAA Federal <naseem.alston@noaa.gov> wrote:

Hi Amanda,

do you know if there are any updates to this?:

Nimbus Fish Hatchery, located on the Lower American River adjacent to Nimbus Dam, produces the anadromous form of *O. mykiss*. However, steelhead from Nimbus Fish Hatchery are not included in the CCV steelhead DPS due to genetic integrity concerns from use of out-of-basin broodstock (71 FR 834; January 5, 2006). To specifically address this issue and in response to RPA Action II.6.1 contained in the NMFS (2009) biological opinion for long-term operations of the CVP/SWP, genetic testing of American River *O. mykiss* population was completed in 2014 to inform the planning for Nimbus Fish Hatchery broodstock replacement that will support the CCV steelhead DPS (NMFS 2016).

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