From: Wilkinson, Chris@DWR <Christopher.Wilkinson@water.ca.gov>
Sent: Friday, March 8, 2019 4:35 PM
To: Katrina Harrison (kharrison@usbr.gov); Halston, Armin A; Stuart, Jeff@NOAA; Byrne, Barbara@NOAA; 'Garwin.Yip@noaa.gov'; Kristin Begun - NOAA Affiliate
Cc: Jacobs, Brooke@Wildlife; Kollmar, Vanessa@Wildlife; Veldhuizen, Tanya@DWR; Pacheco, Victor@DWR; Ford, John@DWR; Affonso, Jana @FWS; Katherine Sun
Subject: FW: Clarification on BSSP and CCF Aquatic Weed Removal for ROC BA
Attachments: CCF AquaticWeedTreatment-Dec2018_rev03.05.2019.docx; NMFS comments-DWR Responses.docx

Importance: High

Good afternoon,

The following information is intended to provide clarification in response to comments in the spreadsheet "NMFS Comments on the Proposed Action," from our February 22, 2019 BA discussion.

Item #37 in the spreadsheet (Seasonal Operations) comments that "Minimal information is given regarding the Barker Slough Pumping Plant and its operations." Beside details on pumping rates, DWR would like to add clarification on sediment and aquatic weed removal activities that are part of operations at the facility. The information provided below further describes operations of the North Bay Aqueduct, and Barker Slough Pumping Plant (BSPP), in section 4.9.5.5 of the BA:

> Sediment Removal
>
> Sediment accumulates in the concrete apron sediment trap in front of the BSPP fish screens and within the pump wells behind the fish screens. Sediment removal from the sediment trap and the pump wells will be removed as needed.
>
> Aquatic Weed Removal
>
> Aquatic weeds will be removed, as needed, from in front of the fish screens at BSPP. Aquatic weeds accumulate on the fish screens, blocking water flow, and causing water levels to drop behind the screens in the pump wells. The low water level inside of the pump wells causes the pumps to automatically shut off to protect the pumps from cavitation. Aquatic weed removal system consists of grappling hooks attached by chains to an aluminum frame. A boom truck, staged on the platform in front of the BSPP pumps, will lower the grappling system into the water to retrieve the accumulated aquatic vegetation. The removed aquatic weeds will be transported to two aggregate base spoil sites located near the pumping plant.

Regarding comments in item #44 of the spreadsheet (Clifton Court Aquatic Week Removal), the attached documents provide clarification with (1) a revised description of the CCF Aquatic Weed Treatment and (2) respond directly to NMFS comments from the spreadsheet.

Tanya Veldhuizen in DWR's Division of O&M has provided the information on both the Barker Slough Pumping Plant and CCF Aquatic Weed Removal. If you have additional questions about the activities, please let us know.

Thanks,
Chris

Chris Wilkinson
o (916) 376-9704
c (916) 494-1490