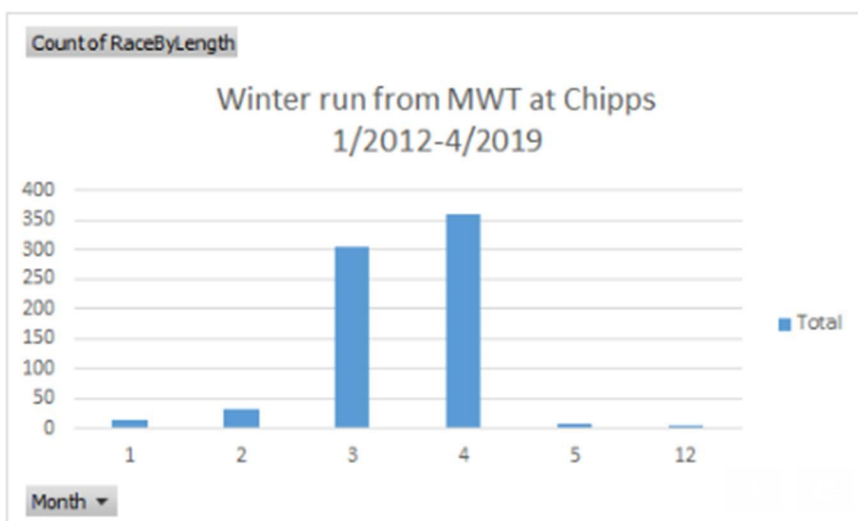

From: Brian Ellrott - NOAA Federal <brian.ellrott@noaa.gov>
Sent: Thursday, May 2, 2019 11:21 AM
To: Alston, Naseem; Cathy Marcinkevage - NOAA Federal; Brown, Howard; Yip, Garwin; Barbara Byrne - NOAA F... (Google Drive)
Subject: Fwd: spring run in delta, chipps Island

Hi all,
Rosalie is providing us with new data on winter- and spring-run juvenile timing in the Delta. A few thoughts and questions:

1. would be awesome to update with best available
2. do we need a qa/qc process to make sure it is best available (e.g., confidence in the data of w-r sized fish representing actual w-r timing; similar question for s-r)
3. assuming the data are solid, Naseem, do you have time to work with Rosalie on updating the Env Baseline and status of the species sections with this new data (and appropriate citation) - the shaded temporal occurrence tables appear in both, last I saw.
4. if Naseem doesn't have time, can we turn Rosalie loose on doing this? Sorry to veer into the team management lane, just concerned (freaked out) about the timing of this, and based on recent I&S experience, some efficiency could be gained by Rosalie making direct track changes rather than making comments with essentially track change edits in them.
5. talk to you all about this on our check-in call in 10 minutes.

Brian



----- Forwarded message -----

From: **Rosalie del Rosario - NOAA Federal** <rosalie.delrosario@noaa.gov>

Date: Thu, May 2, 2019 at 10:21 AM
 Subject: spring run in delta, chipps Island
 To: Brian Ellrott <brian.ellrott@noaa.gov>

For spring run analysis, here's relative distribution suggesting table in env baseline should be updated for Mar and May months in the Delta

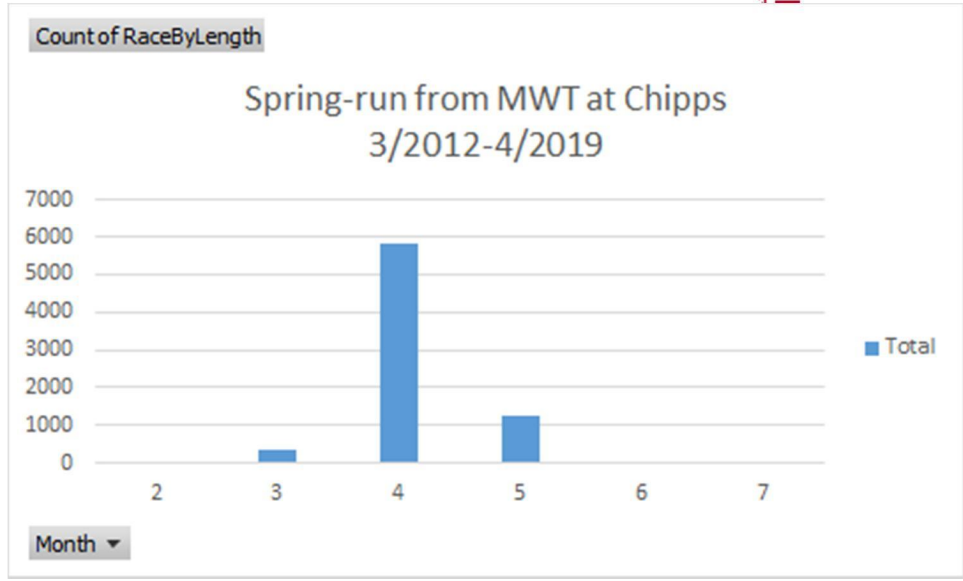
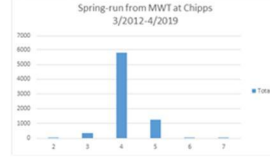
Table 2.4.4-1 The Temporal Occurrence of Adult (a) and Juvenile (b) Central Valley Spring-run Chinook Salmon in the Mainstem Sacramento River.

Relative Abundance	High			Medium			Low					
(a) Adult Migration												
Location	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Delta ^a												
San Joaquin Basin												
Sac. River Basin ^{b,c}												
Sac. River Mainstem ^{c,d}												
(b) Adult Holding^{b,c}												
(c) Adult Spawning^{b,c,d}												
(b) Juvenile Migration												
Location	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Sac. River at RBDD ^d												
Sac. River at KL ⁱ												
San Joaquin basin												
Delta ^j												

Sources: ^aCDFG (1998); ^bYoshiyama et al. (1998); ^cMoyle (2002); ^dMyers et al. (1998); ^eLindley et al. (2004); ^fCDFG (1998); ^gMcReynolds et al. (2007); ^hWard et al. (2003); ⁱSnider and Titus (2000); ^jSacTravi (2015)
 Note: Yearling spring-run Chinook salmon rear in their natal streams through the first summer following their birth. Downstream emigration generally occurs the following fall and winter. Most young-of-the-year spring-run Chinook salmon emigrate during the first spring after they hatch.

Rosalie del Rosario
 Update citations to annual reports on juvenile abundance and confirm relative abundance is accurate.

Rosalie del Rosario
 Here's relative abundance of spring run from MWT at Chipps from 3/2012-4/2019 showing that the Delta chart should be updated to reflect relative abundance: (i.e., higher in May, lesser in Mar). And update citation.



Rosalie B. del Rosario, Ph.D.
 Regional Endangered Species Act Advisor
 NOAA Fisheries West Coast Region
 U.S. Department of Commerce
 Office: (562) 980-4085
Rosalie.delRosario@noaa.gov
www.westcoast.fisheries.noaa.gov



--

Brian Ellrott

Central Valley Salmonid Recovery Coordinator

NOAA Fisheries West Coast Region

U.S. Department of Commerce

Mobile: 916-955-7628

Office: 916-930-3612

brian.ellrott@noaa.gov