
From: Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>
Sent: Wednesday, May 1, 2019 2:37 PM
To: 'Maria.rea@noaa.gov; Howard Brown; Amanda Cranford
Cc: Sarah Gallagher
Subject: Fwd: [EXTERNAL] Winter run Chinook carcass

FYI

-Garwin-

Garwin Yip

Water Operations and Delta Consultations Branch Chief
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----- Forwarded message -----

From: **Smith, Jim** <jim_smith@fws.gov>
Date: Wed, May 1, 2019 at 2:29 PM
Subject: Re: [EXTERNAL] Winter run Chinook carcass
To: Garwin Yip - NOAA Federal <garwin.yip@noaa.gov>
Cc: Revnak, Ryan@Wildlife <Ryan.Revnak@wildlife.ca.gov>, Sarah Gallagher - NOAA Federal <sarah.gallagher@noaa.gov>, Harris, Michael R.@Wildlife <Michael.R.Harris@wildlife.ca.gov>, Roberts, Jason@Wildlife <Jason.Roberts@wildlife.ca.gov>, Kundargi, Kenneth@Wildlife <Kenneth.Kundargi@wildlife.ca.gov>

Breaking News!

My carcass survey crew just got back and another "suspected" spawned out winter run female was sampled today near the market street bridge by the CDFW crew. Genetic samples are being sent off post haste.

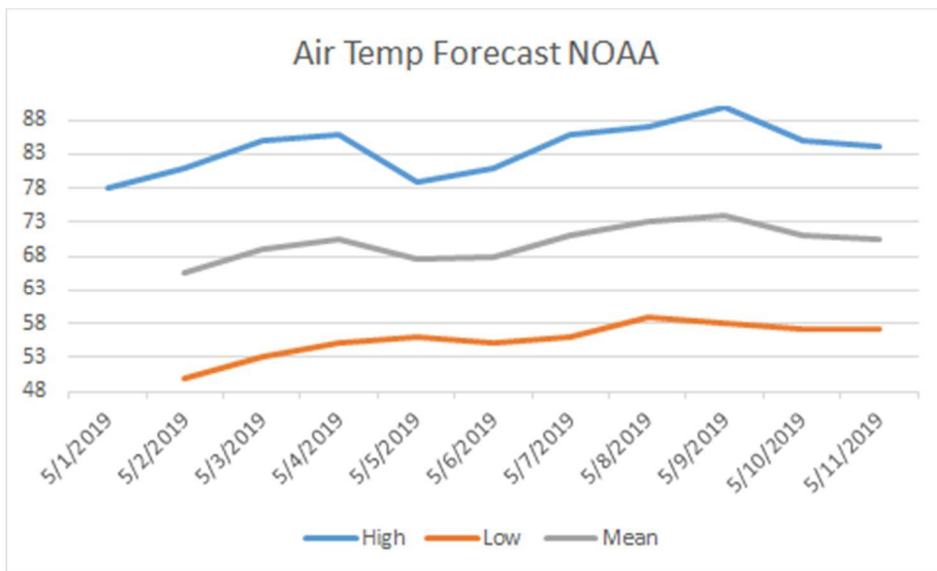
Jim

James G. Smith

Project Leader
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10950 Tyler Road
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On Wed, May 1, 2019 at 2:07 PM Smith, Jim <jim_smith@fws.gov> wrote:
FYI

Different Air temperature forecast. There's a pretty big difference between Accweather and the NOAA 10 day forecast with NOAA showing higher temperatures. So who you going pick? I would go with NOAA. <https://www.cnrfc.noaa.gov/awipsProducts/RNOHFSFTA.php>



Jim

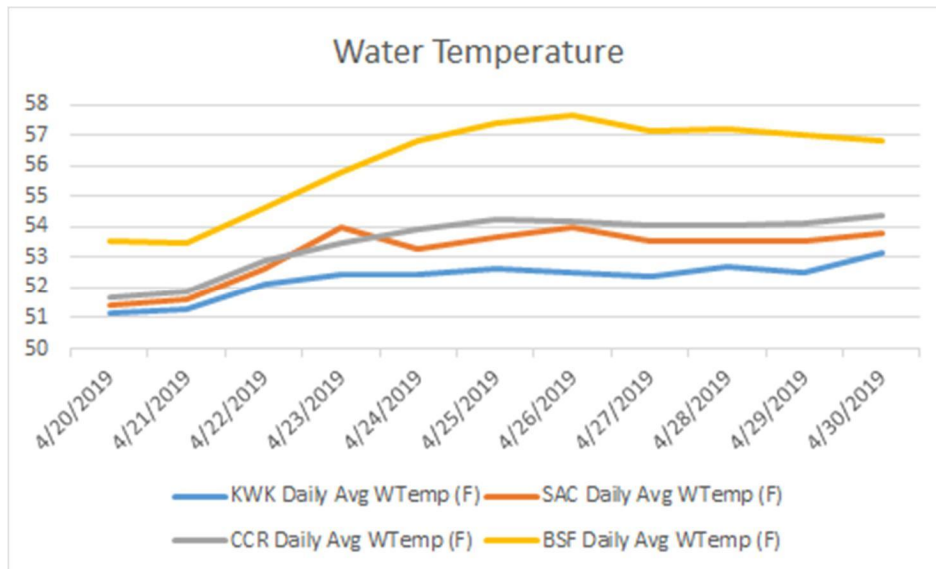
James G. Smith
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On Wed, May 1, 2019 at 1:40 PM Smith, Jim <jim_smith@fws.gov> wrote:
FYI

Below is a water temperature graph for the last 10 days. It appears that water temps are increasing at KWK. A Keswick flow increase from 5,500 cfs to 8,000 cfs scheduled for Friday may help a bit but if it's one thing we have learned since 2014 it's mostly about the input temperatures and not so much the flow.

Air temps at Redding are currently predicted in the next 15 days to slowly rise from 77 degrees (max daily) to 81 degrees over the next 15 days

<https://www.accuweather.com/en/us/redding-ca/96001/month/327134?view=table>



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On Wed, May 1, 2019 at 10:17 AM Garwin Yip - NOAA Federal <garwin.yip@noaa.gov> wrote:
Thanks,, Jim.

I think that:

- We should get on the horn and compare notes. Sarah and I are 'available" this afternoon, and tomorrow except for 10-12:30.
- per RPA, temperature management starts on May 15. That doesn't preclude Reclamation from managing above and beyond, but my guess is that they won't.
- if we are thinking of asking Reclamation to start temperature management now, we should ask for some modeling to see if that would compromise temperature management at the end of the season.

-- we should forward the alert of initial spawning to Reclamation, regardless of what action is taken.

Ryan, does CDFW have a sense on the strength of BY 2019?

-Garwin-

Garwin Yip

Water Operations and Delta Consultations Branch Chief

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On Wed, May 1, 2019 at 9:32 AM Smith, Jim <jim_smith@fws.gov> wrote:

I'd be happy to have a call to discuss.

Below is what I first WAS thinking.

Given that we are not going to be chasing short term exceedences at the Balls Ferry 56 degree control point due to warm tributary inflows from Clear Creek downstream and that USBR modeling shows that they should be able to make the 53.5 CCR criteria under the current operations plan, it does not seem like we should ask them to change anything at this time. I'm also assuming this fish spawned upstream of the location of where the carcass was found which would be above the CCR control point. We should inform USBR and the SRTTG that a spawned out winter run has be recovered but that the redd (unknown location) would appear to be at little risk given the current operations plan and modeling output **but if something changes prior to the next SRTTG meeting they should let us know ASAP.**

Now I'm thinking somewhat differently since when I checked CDEC (see link below) and the current water temps have been actually exceeding the 53.5 degree criteria by up to a 0.9 degrees for the last 7 days. **So perhaps we are already at ASAP?**

http://cdec.water.ca.gov/wquality/CCR_042019.html

Jim

James G. Smith

Project Leader

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On Tue, Apr 30, 2019 at 2:58 PM Revnak, Ryan@Wildlife <Ryan.Revnak@wildlife.ca.gov> wrote:
Hi Garwin and Jim,

I was informed that USFWS had received confirmation that the that the spawned female Chinook found on the carcass survey was in fact a winter run. The carcass was found near river-mile 292, upstream of the CCR gauge location. I would like to know the thoughts of the other fisheries agencies on how this may effect Reclamations operations at Shasta and/or other consideration to cold water pool conservation, etc. If you have time to discuss and share your thoughts, Michael Harris (copied) and myself would be happy to set a phone call sometime in the next couple of days.

Thank you.
Ryan

Ryan Revnak
Environmental Scientist
California Department of Fish and Wildlife
Upper Sacramento River Basin Fisheries Program
Red Bluff