
From: Brycen Swart - NOAA Federal <brycen.swart@noaa.gov>
Sent: Thursday, April 27, 2017 12:05 PM
To: Eric Danner - NOAA Federal
Cc: Garwin Yip
Subject: Re: Upper Sacramento River temperature & biological models meeting, April 25

What does Sheila mean by "residual" survival? Is that just another word for background survival? If I'm following this correctly, why would you expect there to be a correlation between temperature/DO related survival and "background or other" survival? They are independent variables.

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On Thu, Apr 27, 2017 at 11:21 AM, Eric Danner - NOAA Federal <eric.danner@noaa.gov> wrote:
FYI

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

From: **Sheila Greene** <sgreene@westlandswater.org>
Date: Thu, Apr 27, 2017 at 10:55 AM
Subject: Upper Sacramento River temperature & biological models meeting, April 25
To: benjamin.martin@noaa.gov, eric.danner@noaa.gov, miles.daniels@noaa.gov
Cc: Hanson Chuck <chanson@hansonenv.com>, Azhderian Ara <ara.azhderian@sldmwa.org>

Hi all,

I thought I should send you the graph and data that I showed to you on Tuesday afternoon. It is the "residual" survival to Red Bluff after removing temperature and DO related mortality. I simply divided the egg to fry survival to Red Bluff estimates by the NMFS mortality model survival estimates. The NMFS egg survival is on the X axis the residual survival is on the y axis. The trend doesn't make sense to me. I would expect the 2014 residual survival to be lower as the temperature in the field were quite high in October, up to 65 at Clear Creek.

I have another request. I have read the 2016 report and 2017 paper and don't understand how you developed the background survival. Could you please send me a more detailed description please?

Thank you. The meeting was very informative and look forward to them in the future.

Sheila Greene

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