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**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>  
**Sent:** Tuesday, March 26, 2019 8:57 AM  
**To:** John\_Wikert@fws.gov; Cathy Marcinkevage  
**Cc:** Kristin Begun - NOAA Affiliate  
**Subject:** Help with SIT floodplain modeling for Stan  
**Attachments:** Flood\_Habitat\_Tables\_and\_Plots\_Stanislaus 3.15.2019 - Copy.xlsx

*(Cathy, do you have some of this documentation from Reclamation?)*

J.D. -- I would like your help in interpreting some SIT-SDM model results for inundated habitat acres on the Stanislaus. Results received from Reclamation are attached.

Some questions (some of which may need to be directed back to Reclamation; hoping to get your sense based on your general SIT-SDM model expertise and Stan expertise):

1. (see "Decile Tables" tab) Table header starting in cell K2 is "Inundated Habitat (Acres), Stanislaus River at Goodwin Dam".

--Can you point me to SDM documentation describing Stan floodplain analysis?

--I assume that the "Goodwin Dam" refers to the driving flow info (the monthly CALSIM flow at Goodwin), and that habitat is estimated from Goodwin to the confluence. Is this correct?

2. See summary plots on "Steelhead Fry & Juveniles Plots" tab. Do the exceedance plots of floodplain habitat (in acres) seem reasonable to you, in terms of the scale of habitat created?

3. What is your opinion on the reliability of this SIT-SDM model output?

Thanks,  
Barb

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