

---

**From:** Barbara Byrne - NOAA Federal <barbara.byrne@noaa.gov>  
**Sent:** Wednesday, February 6, 2019 1:18 PM  
**To:** Cathy Marcinkevage - NOAA Federal  
**Cc:** Brian Ellrott - NOAA Federal; Rachel Johnson - NOAA Affiliate  
**Subject:** Re: Possible uses of SIT model for ROConLTO?

What Cathy said, but I did wonder whether the SIT could be used to compare PA vs. current ops flow scenarios in terms of, e.g., extent and duration of floodplain inundation. Sounds like maybe the SIT model not really designed to evaluate water ops, so the potential utility might be in terms of assessing the various habitat/gravel aug elements of the project.

On Wed, Feb 6, 2019 at 1:04 PM Cathy Marcinkevage - NOAA Federal <[cathy.marcinkevage@noaa.gov](mailto:cathy.marcinkevage@noaa.gov)> wrote:

I'll chime in on a note -- I think Barb was looking to use it to better help us understand/project the effects of non-flow restoration actions, or to support any call on our part for non-flow habitat creation actions (e.g., how many miles of gravel augmentation produces a X% benefit, how much side channel restoration access gives Y% benefit, etc.).

On Wed, Feb 6, 2019 at 12:47 PM Brian Ellrott - NOAA Federal <[brian.ellrott@noaa.gov](mailto:brian.ellrott@noaa.gov)> wrote:

Hi Barb,

My sense is that there is not an opportunity to use the SIT model for the CVP/SWP BO. Do we have funding? Even if we do, I'm not sure we want to hold up the CVPIA Fish Program, which I suspect it would do.

Also, the SIT models are not intended to evaluate water operation scenarios, and I assume their design limits their ability to do that.

Apologies for the negative response.

Rachel, do you have anything more open minded than my read on this question?

Brian

On Tue, Feb 5, 2019 at 2:59 PM Barbara Byrne - NOAA Federal <[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)> wrote:

Brian & Rachel -- Do either of you see any opportunities to use the SIT model to evaluate, e.g., proposed action vs. current ops scenarios in the ROConLTO effort? Either CV wide or in watershed-focused applications?

If you see some potential opportunities, do you think those opportunities could be realized by early March, at the latest, for incorporation into our effects analyses?

Barb

--

**Barb Byrne**

Fish Biologist  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
Office: 916-930-5612  
[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814



**Find us online**

[www.westcoast.fisheries.noaa.gov](http://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](mailto:brian.ellrott@noaa.gov)

--

**Barb Byrne**

Fish Biologist  
NOAA Fisheries West Coast Region  
U.S. Department of Commerce  
Office: 916-930-5612  
[barbara.byrne@noaa.gov](mailto:barbara.byrne@noaa.gov)  
California Central Valley Office  
650 Capitol Mall, Suite 5-100  
Sacramento, CA 95814



**Find us online**

[www.westcoast.fisheries.noaa.gov](http://www.westcoast.fisheries.noaa.gov)

