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**From:** Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>  
**Sent:** Tuesday, March 26, 2019 2:46 PM  
**To:** Russell Perry; Adam Pope  
**Subject:** Potential NMFS Assistance for OCAP Reinitiation

Russ and Adam --

We are in the THICK of work for BiOp for the ROC LTO (aka reinitiation of consultation on the long-term ops of the CVP/SWP), as you may or may not know!

This is a shot in the dark, but I wanted to explore the potential for you to provide some analysis to support this effort. With the decision to use the Newman equation rather than the STARS model in the WRLCM, we are lacking an application of your work and models in this opinion. Jeff Stuart is our lead for the Delta division, and, when asked, he said that of any of the work that was used in the CWF BiOp, the travel time analysis would be most useful to him (the work based on Perry, R.W., and Pope, A.C., 2018, Effects of the proposed California WaterFix North Delta Diversion on survival of juvenile Chinook salmon in the Sacramento-San Joaquin River Delta).

Is there any possibility that you have bandwidth (and other resources, which we could explore) to do this? It's a tight turnaround. We'd like results by mid-April. It would be for two scenarios.

I'm happy to talk more if you want. Let me know!

Thanks!  
Cathy