

**ROC on LTO**  
**SWFSC Support Needs**  
**Draft for Internal Discussion**  
**11/29/2018**

<b>Task</b>	<b>Contact</b>	<b>Notes</b>
<b>Modeling and Experimental Design Support</b>		
WR Life Cycle Model	Eric Danner	Need support with WR life cycle runs to analyze effects of the Proposed Action
Reservoir/RAFT modeling	Miles Daniels	Need support to evaluate effects of Shasta releases on seasonal water temperatures
Martin Temperature-dependent egg mortality model	Miles Daniels	Need support to evaluate effects of temperatures on egg survival
Climate Analysis	Nate Mantua	Possibly needing support with climate change analysis for the BiOp depending on what we receive from Reclamation in their BA. Need for 20. Need for 2030 and 2060 scenarios.
CALSIM runs for: 1) Final Proposed Action in BA 2) Environmental Baseline analysis	ECORPS?  Not sure if this is something the SWFSC can help with or not.	We understand that Reclamation has already started their CALSIM runs for the first draft of their Proposed Action and may not have time to conduct more runs after the Proposed Action is submitted to us in a final BA.
San Joaquin/Delta Import/Export ratio (I:E)	Andrew Hines	We may need support with developing an experimental design approach to replace the I:E ratio RPA action in the 2009 BiOp with something that approximates the approach used for VAMP
<b>Technical Memos</b>		2 Bins of tech memo support 1) Memos that analyze the work we do on the Effects Analysis (I have read the analysis of X, that was prepared by x, and based on my review

		<p>the analysis is based on the best available science and is scientifically supported).</p> <p>2) Tech memos from SWFSC that explain modeling runs or other packages of information (here is the info, this is how to use it, this is what it means) See Miles Daniels memos as example</p>
Technical Memos analyzing best available information on fry entry and presence in the Delta		
Technical Memos reviewing Effects Analysis by Division and also Integration and Synthesis		
Technical Memo on how to incorporate the good points of the CWF Adaptive Management Program		Cathy idea...not sure exactly what it means yet...
Technical Editor(s)		Does the SWFSC have access to technical editors that we could contract with or have access to?