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**From:** Cathy Marcinkevage - NOAA Federal <cathy.marcinkevage@noaa.gov>  
**Sent:** Friday, February 15, 2019 1:15 PM  
**To:** Howard Brown  
**Subject:** ROC LTO Modeling Needs Update

Thanks to Katrina for circling the right folks and facilitating connections to move these!

### **Funding mechanisms being finalized, but generally resolved**

- NMFS SWFSC Winter-run Life Cycle Model
- NMFS SWFSC CVTemp temperature modeling
- NMFS temperature dependent egg mortality model

### **On track to be completed by ICF/Cramer**

- Salvage-Density Model
- Delta Passage Model (DPM)
- IOS
- DSM2 Fingerprinting Analysis (need to confirm with Reclamation)

### **Awaiting additional input from NMFS, but on track to be completed by Jacobs**

- DSM2-HYDRO Analysis

### **ICF doing recon, will discuss options more with NMFS**

- SalSim
- Spawning and Rearing Weighted Usable Area (WUA) in Tributaries
- SALMOD

### **Additional tasks identified as high-priority for Trinity analysis, pursuing with Reclamation and USFWS**

- SSS (stream salmonid simulator): USFWS and USGS have capability but not sure of bandwidth.

***Need: NMFS talk with Sacramento USFWS about Trinity USFWS running this model for the ROC effort.***

- SONCC coho habitat modeling: Can be run by Reclamation TRRP. Concern that analysis won't be ready until late March. NMFS and Rec to discuss.
- River Basin Model-10 (RBM10): Will be run by Reclamation TRRP.

