From: Ann Marie Osterback - NOAA Affiliate <annmarie.osterback@noaa.gov>

**Sent:** Wednesday, May 15, 2019 10:00 AM **To:** Eric Danner - NOAA Federal; Anne Criss

**Subject:** Tracking down original WRLCM figure (do you have it?)

## Hi Eric and Anne,

I'm helping Noble update the WRLCM model description to include as an appendix for the ROCon BO. One major change with this version of the model is we needed to use the Newman model instead of the ePTM to estimate survival in the delta. This means I need to update figure 3 (below) with Newman info instead of ePTM info.

Noble thought one of you may have the original version of Fig 3 (below) that I could edit-- any chance you do? If not, I'll recreate it from scratch.

Thanks,

## Ann-Marie

## **Central Valley Winter Run LCM Model Linkages** Water and Habitat Management Scenario CVO sends CALSIM II, DSM2, SRWQM data from CH2MHill to SWFSC DSM2 Hydro data CALSIM II data SWFSC processes data SWFSC and NWFSC processes data for ePTM and habitat capacity model **HEC-RAS Delta Habitat** SWFSC runs HEC-RAS Capacity Model model NWFSC runs habitat capacity Output: hydraulic data Output: delta habitat capacity River/Floodplain CV Winter Run **Habitat Capacity** Life Cycle Model SRWQM data Model QEDA (SWFSC) SWFSC processes data ePTM Runs model, analyzes & SWFSC runs model Output: river SWFSC runs ePTM Output: river/floodplain prepares results Output: survival through ends results to CVO abitat capacity **Model Application** Ocean Fisheries **SQL Database** CVO uses results to inform **Model Outputs** SWFSC organizes and manages data mgmt. decisions **SWFSC** 11/29/2016

Figure 3. Submodels that support and provide parameter inputs that feed into the life cycle model.

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