

## Delta Smelt Scoping Team Meeting (1/21/20)

**Attendees:** Chuck Hanson Erin Cole, Erwin Van Nieuwenhuyse, Larry Brown, Pat Coulston, Sam Bashevkin, Sam Luoma, Scott Hamilton, Shawn Acuna, Ted Sommer, Will Smith, Yuan Liu

### Action Items

- Bruce – Reach out to Lenny regarding cleaning up Entrainment studies + executive summary
- Bruce - Add context to Entrainment Study preface re: why there are three reports + reason for undertaking study Bruce - Remove “DSST Conclusion” bullets from preface and move to second doc (DSST Perspectives/Memo)
- Bruce - Draft DSSP perspective/memo based on expanded 5 Conclusion bullets (currently in preface) and CSAMP presentation lessons learned (without attributions)
- Bruce – Explain to Erica why there isn’t interest in modeling management actions
- Shawn – speak with Erica regarding taking Models 3, 9, 12 and adding/mixing & matching co-variants (e.g., predators, water quality) to see if/how they change (assuming it doesn’t burn too much budget)

### Notes

- Entrainment Studies
  - Prefaces
    - Consider creating one preface for all three studies packaged together
      - Can’t wait until the third study, the first two studies are already out. Need to post a CAMT version.
        - Entrainment Study 1 is not done (waiting on Lenny’s executive summary)
        - Entrainment Study 2 is complete but lacks a preface
        - Entrainment Study 3 is in draft form
    - What should preface(s) include?
      - Hard to know without seeing Lenny’s re-written executive summary but at a minimum:
        - Intro/context/process overview/why study was undertaken
      - **Add context re: there being three reports + reason for undertaking study to preface**
      - **Remove “DSST Conclusion” bullets from preface and move to second doc (DSST Perspectives/Memo)**
  - DSST Perspective Doc/Memo
    - Content
      - What more could be done?
      - What did we learn?
      - Are there things in the studies that we think management should pay attention to that haven’t been included in the executive summary?
    - Concerned that existing “DSST conclusions” bullets don’t go far enough. Consider expanding these five bullets into a page (so that preface would be two-pages total – or one page for preface followed by one page for DSST Perspective)
    - Didn’t we provide context for CSAMP presentation? Can we use that?
      - Yes, we provided a compilation of individual (sometimes conflicting) statements – Policy Group said it was confusing

- **Draft DSSP perspective/memo based on expanded 5 Conclusion bullets (currently in preface) and CSAMP presentation lessons learned (without attributions)**
- Executive Summaries
  - Should discuss what investigators did and results, not management implications
  - **Bruce – reach out to Lenny re: scope/status of Entrainment Study 1 executive summary final draft**
- Fall Outflow Study
  - Models 3 (predator, competitor, turbidity) and Model 9 (temp and salinity) are best fits
    - **Consider taking Models 3, 9, 12 and try adding/mixing & matching co-variants (e.g., predators, water quality) to see if/how they change**
  - Are there additional management actions to run through model? (Occupancy model & Occupancy w/ Abundance model still forthcoming)
    - No impact on turbidity so results will be the same
    - We already know about outflow impacts on salt fields – no new info to be learned through running the model
    - Suisun gate operation? To confirm impact on occupancy
      - Not needed.
      - Might validate the model.
        - X2 – as another way of validating the model
          - Would take a lot of time to parameterize and require a hydro-modeler
            - Data is available
              - Making use of available data would require additional effort/budget
  - Would it be possible to create a prey data set?
    - Possible, but not enough budget to do it as part of this current effort
    - After deliberation we removed prey
      - Food bigger factor than salinity/temp
        - Basis for statement?
          - Foraging theory – they need to eat, if food supplies fall too low they will move. When you increase outflow you would expect them to move to Suisun Bay but may depend on food
            - You could look at prey densities but you would have to leave out some regions
  - Consensus not to ask for additional work
    - (Salinity) data may not be available
    - May require additional effort/budget
    - Without food not worthwhile
    - Keep them focused on getting the job done and published (use remaining budget to move forward on manuscript)