

To: Kristine Grace Cabugao
Sent: Thursday, June 22, 2023 10:41 AM
From: Laurel Larsen laurel.larsen@deltacouncil.ca.gov

Subject: Re: Inventory and Synthesis of Scenarios in the Delta

Dear Kristine,

Thanks for reaching out. I do have a few additional suggestions for scenario exercises that the DISB could evaluate:

- The US Bureau of Reclamation has undertaken a participatory scenario planning process (leading to the development of an NGO scenario and an unimpaired flows scenario) for long-term operations (LTO) of the Central Valley Project. I note that this undertaking is different from the USBR project already in the ISB's list. The best contact would be Derya Sumer.
- CAMT (The Collaborative Adaptive Management Team, a technical working group under the CSAMP umbrella) has an ongoing scenario planning approach for managing recovery of Delta Smelt that is grounded in structured decision making.
- The Delta Science Program is kicking off a scenario-based approach for planning for salinity management during extended drought through its Salinity Management Workshop Series. A research team led by Holly Doremus at UC Berkeley will be carrying out this approach.
- The [Delta Islands Adaptation Scenarios Planning Process](https://deltaislandadaptations-ucdavis.hub.arcgis.com/), led by Brett Milligan at UC Davis (<https://deltaislandadaptations-ucdavis.hub.arcgis.com/>)
- Regarding the ARkStorm Scenario, I recommend distinguishing between ARkStorm 1.0 (by USGS) and ARkStorm 2.0 (which is being led by Daniel Swain).
- [Winter Run Chinook Salmon Lifecycle Model](https://oceanview.pfeg.noaa.gov/wrlcm/resources), NOAA – used to evaluate effects of water operations on listed salmonids (<https://oceanview.pfeg.noaa.gov/wrlcm/resources>)
- You already have Andrew Schwarz's work with DWR listed, but here is a [specific document related to that work](https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/All-Programs/Climate-Change-Program/Climate-Action-Plan/Files/CAP-III-Decision-Scaling-Vulnerability-Assessment.pdf) that should be considered as well: <https://water.ca.gov/-/media/DWR-Website/Web-Pages/Programs/All-Programs/Climate-Change-Program/Climate-Action-Plan/Files/CAP-III-Decision-Scaling-Vulnerability-Assessment.pdf>. There is also a July 2020 article in *Climatic Change* by Ray, Wi, Schwarz, Correa, He, and Brown.
- DSC's Delta Levees Investment Strategy planning process

Best wishes,
Laurel