

Track 1: Projects to Advance Water Supply

DRAFT Initial Ideas

Objective:

- Potential modified water operations and actions that can directly or indirectly improve South-of-Delta water supply that can be planned in the near-term.

Possible Actions

1. I:E ratio - NMFS
 - 1:1 ratio when Vernalis is above 5,000 – 7,000 cfs
 - Different ratios to reach objective
 - Pumping of transfers/sales at 1:1 I:E ratio
2. OMR storm flexibility (WIIN) – USFWS and NMFS
 - Develop a process and criteria for OMR flexibility during storm events
 - Expanded transfer window (develop criteria)
 - Shorten OMR window with more rapid response
3. Barriers - NMFS
 - Non-physical barriers
 - Dissolved oxygen in Stockton DWSC
 - Deter migration to DCC, Georgiana slough
 - Encourage migration to Sutter and Steamboat sloughs
4. Fall X2 - USFWS
 - Consider removing December requirement
 - Adaptive Management approach
 - Modify averaging period (months)
 - Focus on Grizzly and Honker Bay compliance
5. Salvage and loss:
 - Preferential pumping through CVP – USFWS and NMFS
 - Permanent funding for rapid genetic analysis protocol - NMFS

Process Changes

6. Incidental take methodology - USFWS
 - Use more years of data
 - Use more or different trawls
 - Entrainment model
 - Loss multiplier

Pilot Programs and Studies

7. Foodweb - USFWS
 - Sacramento Deepwater Ship Channel

- Add fertilizer for foodweb benefits

8. Predator Control – USFWS and NMFS

- DWR Predation Study

9. Studies – USFWS and NMFS

- Substrate for delta smelt spawning
- Delta sediment reintroduction pilot
- eDNA
- Delta Smelt detection methodologies and monitoring locations
- EDSM
- Early warning stations (turbidity)
- Other

Schedule:

April 2018	Refined ideas list
May 2018	Project Description
December 2018	Final NEPA document/Biological Assessment