

**CVP & SWP South of Delta Contractors –Concepts for Track 1 Implementation  
Discussion Draft February 7, 2018**

**1) Improve/modify implementation of OMR**

- Use ICF/agency entrainment model for managing entrainment
- Use fish monitoring data in south/central Delta for salmon OMR trigger

**2) Improve/modify implementation of SJR I/E Ratio**

- Evaluate implementation of 1:1 ratio for the month of April
- Modify 4:1 to a 2:1 ratio based on recent science
- Off ramp for export constraints above some SJR inflow level

**3) Improve the methodology for calculating incidental take limits**

- Use more years of data in the ITL calculation
- Use different or additional trawl data other than the FMWT
- Develop a more robust statistical method for calculation
- Use ICF/agency entrainment model for calculating limits

**4) Implement in-Delta and north of Delta habitat actions**

- In-Delta habitat restoration for salmon
- Augment spawning gravel below Keswick Dam
- Predation management actions

**5) Codify Implementation of WIIN Act provisions Sec. 4001 – Sec. 4005**

- Develop defined criteria for an expanded transfer window
- Evaluate using 1:1 transfer ratio for certain transfer periods
- Modify the current OMR range to allow for more negative OMR
- Modify the method used to calculate reverse flow in Old and Middle Rivers
- Develop a process and defined criteria for storm development and water capture

**6) Eliminate the Fall X2 RPA**

**7) Define and Implement adaptive management for all of the above components**

- Develop and agree upon approaches for the next three Fall X2 experiments
- Develop and agree upon long-term monitoring program and management questions

**8) Improve the methodology for calculating salvage loss factors**

- Update the salvage multiplier to better represent likely risk (i.e., one salvaged fish in 15 minutes does not equate to 4 fish/hour)

**9) Improve hatchery practices**

- Barge hatchery releases
- Volitional hatchery releases

**10) Barriers**

- Non-physical barriers to deter migration into Delta Cross Channel and Georgiana Slough
- Non-physical barriers to encourage migration into Sutter and Steamboat Sloughs
- Diel operation of Delta Cross Channel

**11) Coordinated operations**

- During low level pumping, preferential pumping at CVP to minimize losses

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