

Shasta RPA adjustments management team meeting
November 10, 2016

Attendees:

Reclamation: Janice Pinero, Dave Mooney, Jeff Rieker, Josh Israel, Pablo Arroyave, Liz Kiteck, Ron Milligan, Michelle Banonis

USFWS: Craig Anderson

NMFS: Brycen Swart, Maria Rea, Garwin Yip

Ideas for adjustments to the Shasta RPA Actions I.2.3 and I.2.4. Notes, below, followed by a screen shot of the notes jotted down on the white board

1. February forecast
 - a. Shasta Storage using CVO chart
 - b. Do we need a temperature compliance location?
 - c. Instead model Keswick release schedules
 - d. Use Martin model (temperature-dependent mortality)
 - e. Use 52°F Keswick release temperature for planning – can it be met May-Oct?
 - f. More interaction if more risk
 - g. Joint probability of achieving 90%
2. May temperature management plan: Need metrics, but have some room to adjust
 - a. Choose 55°F 7DADM, or similar, over redds – needs discussion.
or 56°F DAT Balls Ferry
or 53°F DAT at downstream redd
 - i. Need a DAT to operate to
 - ii. Need number (e.g., 7DADM) to track/hindcast
 - b. Keswick flow schedule
 - c. Develop plan
 - d. Decide on, then track :
 - i. volume of cold water relative to plan
 1. No less than 98% of modeled volume for wet and above normal water year types
 2. No less than 95% of modeled volume for critical, dry, and below normal water year types
 - ii. temperature-dependent mortality by water year type
 - e. More interactive if more risk
 - f. Side-gate metrics – Oct 15th?

BO/Action

1. Feb Forecast

- Storage using CUD chart...
- Do we need a temp compliance location?
- instead model Keswick release schedules
- Use Martin model
- Use 52° Keswick for planning - can it be met May-Oct?
- More interaction if more risk
- joint probability of achieving 90%

2. May Temp Plan

- need metrics, but some room to adjust.
- Choose S32DADM, or similar, over-roads - NEEDS DISCUSSION or S6DAT Bulls Ferry.
 - Keswick flow schedule
 - Develop final plan
 - Track Volume of water relative to plan
 - 1 # to operate to (DAT) - red
 - 2 # to track/hindcast (FDADM)
 - 98% - W/AN + Shasta storage
 - 95% - C/D/BN
 - set temp dependent mortality by WYT.
 - More interactive if more risk
 - Side-gate metrics - Oct 15th?