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 CVO 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 ~~52DADM~~, or similar, one - adds - NEEDS DISCUSSION
     or 56 DAT Balls Ferry.
   - Keswick flow schedule
   - Develop fond plan
   - Track Volume of water relative to plan
     - 98% - W/AN
     - 95% - B/BN
     + Shasta storage
   - More interactive if more risk
   - Side-gate metrics - Oct 15th?

or 53° DATE Downstream
1. # to operate to (DAT)
2. # to track/hindcast (TDADM)
redd

- set temp dependent mortality by WYT.