

4-22-19 - - For discussion with SRS

DRAFT NMFS DOCUMENT - PREDECISIONAL NOT FOR DISTRIBUTION

- 1) Reintroduction pilot program. Estimate 2.7 million per year for 10 years. Keep at pilot level and science based. Includes LSNFH actions. NMFS open to discussing changes in objectives (below) based on successful completion of pilot program.
- 2) Performance objectives that vary for temp dependent mortality and total mortality to RBDD and are linked to positive population trend (CRR) through LCM. 4 sub components below:
  - a) initial objectives based on Shasta RPA proposed amendment (we are confirming these now as our best available science)
  - b) funding and commitment to complete LCM component in one year to ensure those objectives are consistent with viable population, and consistent with Hendrix concept of dynamic allotment.
  - c) NMFS makes final decision on any adjustments to those objectives based on LCM effort.
  - d) Hindcast in late fall of every year to track whether objective(s) is attained. If don't meet objective for that year type then immediately reinitiate (ITS linked to this; may result in shorter term Biop coverage than 10 years)
- 3) Drought plan. This should be described in some level of detail in the proposed action and consistent with anticipated performance objectives.
  - a) What actions will SRS and Reclamation take during a drought?
  - b) Reschedule water?
  - c) Transfer water later in season?
  - d) Reclamation's discretionary actions.
  - e) OK to incur COA debt to protect Shasta storage
  - f) Other?
  - g) NMFS may initiate "meet and confer" option.
- 4) Non-drought, but dry: When spring storage low (need to define a metric) and can't be improved through Reclamation's discretionary actions alone, then Reclamation, SRS and NMFS will meet and confer on whether performance objectives are on track to be met, and whether other options/measures are necessary or advisable to meet performance metrics.
- 5) Nonflow measures: SRS and Rec continue to fund and implement following projects in next 3 to 5 years: gravel, in river habitat, etc. with goal of contributing to meet total mortality performance objectives.
- 6) Science: SRS and Rec continue to fund and implement priority science in next 3 to 5 years consistent with collaborative science efforts at least 2 million additional per year over and above existing levels