

Shasta RPA Adjustment Outstanding Issues

	Page	Section	Topic	NMFS Proposal (12/15/2016)	Reclamation Response (12/22/2016)	Resolution
1 ¹	10 and 11	Action I.2.1.1	End of April storage	Annual end of April storage performance measure	Deleted end of April storage requirement	
	11	Action I.2.1.1	Rationale for end of April storage	End of April storage requirements are based on historical data and Reclamation analysis	Disagrees with basis for rationale	
2	11	Action I.2.1	Temperature-dependent mortality objectives	Temperature dependent mortality thresholds that shall not be exceed. Note: Numbers still need to be finalized	Highlighted that: (1) Approach does not account for consecutive drought years. (2) Numbers are not consistent with 2008 BA. (3) Would like to see underlying documentation/analysis for these numbers.	
3	17	Action I.2.3	Adult winter-run holding temperature compliance location	Changed metric from 56°F DAT between Balls Ferry and Bend Bridge to 61°F 7DADM at Jellys Ferry	Changed metric back to 56°F DAT between Balls Ferry and Bend Bridge	
4	18	Action I.2.3.A	Metrics to be met on the February forecast	(1) End of April storage ≥ 4.2 MAF (2) End of September storage ≥ 3.2 MAF (3) 51.5°F Keswick release temperature from May 15 through October 31 (this would be used as a surrogate for 55°F 7DADM at CCR) (4) Full side gate access at Shasta Dam no earlier than Oct 15.	(1) Deleted end of April storage (2) Changed end of September storage requirement to water year type requirements (as outlined in RPA Action I.2.1) (3) Deleted reference to 55°F 7DADM at CCR (4) Changed full side gate access from Oct 15 to Oct 1.	
5	19	Action I.2.3.C	Drought Exception Procedure	Changed Clear Creek Temperature Compliance Point	Reverted back to Clear Creek Temperature Compliance Point	

¹ Red: Red flag differences between NMFS and Reclamation that must be resolved

Yellow: Differences between NMFS and Reclamation that should be resolved, but should not take that much time or effort

Green: NMFS is OK with Reclamation's comment

21	Action 1.2.4	Temperature Compliance Location metric	metric to 55°F 7DADM at CCR (1) Changed metric from 56°F DAT at a location between Balls Ferry and Bend Bridge to 55°F 7DADM at CCR (2) TCP shall be adjusted to downstream most redd.	metric (1) Changed metric back to 56°F DAT at a location between Balls Ferry and Bend Bridge. (2) Deleted temperature compliance point to most downstream redd.
21-22	Action 1.2.4	3 year pilot study to operate to 55°F 7DADM at CCR	(1) Pilot study for up to 3 years to operate to meet surrogate to the temperature criterion of 55°F 7DADM at CCR. (2) A surrogate temperature criterion may be granted with requirements based on water year type. And also strive to meet 55°F 7DADM at CCR. (3) Data and analysis from annual reports will form basis for whether a surrogate will be granted in the subsequent year.	(1) Changed 55°F 7DADM at CCR from criterion to target and requirements to objectives. (2) Agreed to operate to surrogate temperature. Deleted operate to the agreed upon temperature criterion while striving to meet 55°F 7DADM at CCR. (3) Deleted data and analysis from annual reports will form basis for whether a surrogate will be granted in the subsequent year.
6	4-5	11.2.1.2	Research and Adaptive Management	Deleted reinitiation trigger language (e.g. RPA Action 1.2.1 has not been met, level of incidental take in 2014 and 2015 was exceeded
7	11	Action 1.2.1	End of September storage	Changed from requirement to target
8	17	Action 1.2.3	Stable Keswick releases Aug – Oct to minimize winter-run dewatering	Deleted language
9	18-19	Action 1.2.3.B	Keswick Release Schedule if February forecast shows that metrics in Action 1.2.3.A are not achievable	Deleted June through October Keswick release schedule (kept April and May).

1 0	20	Action I.2.3.C	Relaxation of Wilkins Slough Operations	Changed from 4,000 cfs to 3,800 cfs	Reverted back to 4,000 cfs	
	26	Action I.4	Wilkins Slough Operations	Operate to flows less than 5,000 cfs, depending on Shasta storage, water year type, Delta requirements, and consultation with the fish agencies	Deleted rationale that although 3800 cfs is not preferable, it was feasible, and the reduced flow was necessary to extend the limited cold water pool.	
1 1	16-17	Action I.2.3	February Forecast	February forecast shall meet requirements in RPA Action I.2.1	(1) Changed February forecast to Initial Water Year forecast (2) Deleted date requirement	
1 2	25	Action I.2.5	Egg-to-fry survival evaluation	Achieve the following Egg-to-fry survival metrics: <ul style="list-style-type: none"> ● Critically dry years: >15% ● Dry years: >20% ● Below Normal years: >25% ● Above Normal years: >25% ● Wet years: >25% 	Requested access to the documentation/analysis supporting establishment of these values.	