

Early Implementation Proposition 68 Salmon Recovery Projects

Project	Project Sponsor	Identified In...	Description	Targeted Habitat	Benefits	Prop 68 Request	Funding Notes	Potential Start
Sacramento River								
Anderson Cottonwood Irrigation District Dam Operations to Project Salmon Redds	Anderson-Cottonwood Irrigation District	SVSRP	Weir and bypass operations	TBD	Increase existing suitable spawning habitat area	\$ 1,000,000	Prop 68 would fully fund project	Winter 2020
Willow Bend	River Partners		Enhancement of floodplain rearing habitat; eliminate fish stranding	87 acres	Reconnect floodplain, enhance rearing conditions, riparian habitat, and habitat complexity	\$ 500,000	Prop 68 funding would be used to fund the final phase of this \$3,148,646 project.	Spring 2020
Fish Food Pilot Program	Reclamation District 108	New	Pilot-scale program to determine optimal process to grow fish food on the dry side of the levees and transport it to migrating juvenile salmon in the river	TBD	Improve food accessibility for migrating juvenile salmon	\$ 5,000,000	Prop 68 funding would be used to fund the next phase of this ongoing project.	Winter 2020
Screen Meridian Farms Water Company	Meridian Farms Water Company	SRS/SVSRP	Install fish screen	N/A	Fish screen, benefits based on the Sac Valley fish screen program	\$ 15,700,000	Project has an additional \$3.3M in federal funding. Prop 68 funding would fully fund the remaining funding needs of the project.	Winter 2020
Tisdale Weir Rehab & Fish Passage	Department of Water Resources		Adult fish passage structure	N/A	Reduce entrainment of native fish	\$ 5,000,000	The Prop 68 request of \$5M would help fund the fish passage phase of the project. The project has the remaining \$40M needed for completion.	Spring 2021
Landscape Scale Multi-Benefit Floodplain Feasibility Study	Reclamation District 108	SRS	Wetland Benefits and restored flood infrastructure	100,000+ acres	Investigates the potential re-thinking of low flows in our flood system during the winter months and the existing wetted footprint in the Butte Sink, Sutter Bypass and Colusa Basin. Includes investigating combinations of options at the multiple weir and gated outlet structures to ensure they have the flexibility to work together. Develops the necessary models to evaluate options and assembles the team necessary to develop options and create a permittable plan to be implemented	\$ 6,000,000	The Prop 68 request of \$6M would fully fund Phase 1 of the project.	Summer 2020
Feather River								
Low-flow channel, power bypass	Department of Water Resources		Pilot-scale test of additional flow down low-flow channel		Operation change to provide habitat during low flows	\$ 125,000	The Prop 68 request of \$125K will cover related monitoring expenses of this project. The Department of Water Resources will cover other costs associated with this project.	April 2020 and Spring 2021
Gravel augmentation	Department of Water Resources	New	Improve substrate conditions for spawning salmonids at key riffles	Approx. 8,000 cu. yd. of gravel	Increase existing suitable spawning habitat area	\$ 1,500,000	The Prop 68 request of \$1.5M will fully fund a phase of this gravel augmentation project.	Summer 2021
Oroville Wildlife Flood Stage Reduction Project	Sutter Butte Flood Control Agency and/or Department of Water Resources	CVFPP	Weir improvements and ecosystem restoration and Oroville Wildlife Area to allow floodplain access	100 – 600 acres	Improve natural river morphology; increase floodplain habitat, riparian habitat, and instream cover	\$ 2,000,000	The Prop 68 request of \$2M would fully fund this phase of the project.	Spring 2021

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Yuba River								
Hollywood Project (Phase 1)	Yuba Water Agency	AFRP Floodplain Rearing Projects	Creation and enhancement of juvenile floodplain rearing habitat, and provide 1.7 miles of perennial side channels, and 6.1 miles of seasonal side channels, alcoves and swales	89 acres	Improve natural river morphology, increase floodplain habitat, riparian habitat, instream cover, and habitat complexity, diversity and availability over a broad range of flows	\$ 2,875,000	The Prop 68 request of \$2.875M would partially fund this phase of the project. YCWA is funding an additional \$150,000 and AFRP is funding \$2,025,000. The project has this other funding in-hand is ready for construction Summer 2020.	Spring 2020
American								
Three gravel augmentation projects	Sacramento Water Forum	Spawning projects: CVPIA funded projects and outlined in 2019 CEQA document, Rearing projects: New	Improve substrate conditions for spawning salmonids at key riffles	15-42 acres	Increase existing suitable spawning habitat area; improve natural river morphology; increase floodplain habitat, riparian habitat and instream cover and habitat complexity	\$ 8,500,000	The Prop 68 request of \$8.5M would fully fund these gravel augmentation projects.	Spring 2021
Putah Creek								
Expansion of available spawning habitat	Solano County Water Agency (SCWA)	New	Create additional 62,000 sqft of spawning habitat in Lower Putah Creek through gravel scarification (loosening of existing gravels) and new spawning side channels in conjunction with other flood plain habitat improvements at two project sites.		Double available salmonid spawning habitat in Lower Putah Creek	\$ 750,000	SCWA in-kind labor and equipment + Prop 68 funding for consultant labor and supplies	2020
Mokelumne River								
Gravel Enhancement Maintenance	East Bay Municipal Utility District (EBMUD)	AFRP charter	Provide maintenance gravel annually to existing restored 1 mile reach on the Lower Mokelumne River	1 river mile	Maintain ecosystem function in the spawning reach	\$ 50,000	The Prop 68 request of \$50k would fund 50% of the total project cost. Remaining funding is in-hand.	Summer 2020
Gravel Augmentation Program	East Bay Municipal Utility District (EBMUD)	AFRP charter	Identify and Implement new spawning habitat restoration Projects	1 project for early implementation	Improve spawning opportunities by increasing total suitable spawning area. Reduce superimposition, increase incubation survival	\$ 100,000	The Prop 68 request of \$100k would fully fund 1 project.	Summer 2021
Floodplain Creation	East Bay Municipal Utility District (EBMUD)	Flow West Analysis	Design and build floodplain habitat to maximize rearing capacity in a 2 o 3 year recurrence cycle	< 3 acre project	Improve instream growth and improve survival to tidal influence	\$ 300,000	The Prop 68 request of \$300k would fully fund this floodplain project.	Summer 2021
Tuolumne River								
Riffles 3A and 3B RM 49.2 to 49.6		Lower Tuolumne River Habitat Improvement Program (LTRHIP)	Add appropriately sized gravel; restore banks to appropriate floodplain elevation and function; remove invasive hardwood species; restore native riparian vegetation	Spawning, incubation and juvenile rearing	Improved egg-to-emergence survival and expanded floodplain rearing habitat	Details are still forthcoming	Details are still forthcoming	Details are still forthcoming

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Delta								
Little Egbert Final Planning and Preliminary Design.	Little Egbert Joint Powers Agency		Project includes the completion of technical studies and will identify potential impacts to the affected environment. Preliminary design plans will be developed to prepare local, State, and federal permits.		The environmental document preparation will take approximately two years to complete. This information will be necessary to evaluate and potentially implement the full project what would restore up-to 3400 acres to provide flood risk reduction and expand tidal habitat in the Delta to benefit native fish species.	\$ 5,000,000	The Prop 68 request of \$5M would fund approximately half of the \$11M total study. The project currently has the other funding needed.	Fall 2020
Twitchell Island Setback Levee, Phases 1 & 2.	Reclamation District 1601		Project would create 5,400 linear feet shaded aquatic riverine habitat, 1,000+ linear feet subtidal aquatic bed habitat, 8 acres of tule marsh, and 5 acres of scrub shrub and riparian forest.		Set back existing vulnerable levee sections and restore associated aquatic, transitional, and upland habitat. All permits in-hand; could break ground in 2021.	\$ 7,000,000	The Prop 68 request of \$5M would help fully fund Phase 1 and Phase 2 of the project. The project has the remaining \$17M needed for completion.	Spring 2021
Peters Pocket Feasibility Study	Reclamation District 2104		Project includes the completion of a preliminary feasibility study for a 879+ acre flood risk reduction and climate-resilient tidal wetland, floodplain and riparian habitat restoration project immediately adjacent to Lookout Slough. This study will look at restoration opportunities and constraints, including local landowner outreach and preliminary hydrodynamic modeling.	Primarily juvenile salmonid rearing	Intended to build upon existing Lower Peters Pocket Restoration Opportunity Prospectus (2018). The information provided by this study is necessary to implement the full project that would restore 400+/- acres of tidal habitat in the Delta to benefit native fish species as well as another 400 +/- acres of higher elevation habitat (e.g., floodplain, grassland, and vernal pool complexes).	\$ 750,000	The Prop 68 request of \$750k would fully fund the feasibility study.	Summer 2020
Aquatic species habitat conservation plan implementation in the Cache Slough region (formerly consolidate and Screen Intakes at Cache Slough)	Solano County (most likely)		Actions could include installing fish screens, consolidate agricultural diversions, and/or implement habitat restoration measures (as appropriate) within the Cache Slough Complex.		Ensure diverted water gets to its intended area of use, while reducing or eliminating fish entrainment. This project will help support ongoing habitat restoration within the larger Cache Slough Complex.	\$ 5,000,000	The full extent of project implementation will be known in Fall of 2020. The Prop 68 request of \$5M would likely provide for partial project implementation.	Fall 2021
Total Cost Estimate for Early Implementation Projects						\$ 67,150,000		

* Each of these projects is being implemented or constructed after the baseline established in the Voluntary Agreements Framework of December 2018, when the State Water Board adopted Resolution 2018-0059.