



CVPIA Habitat Restoration Program ((b)(1) “other”) FY23 Expenditures

Project	Proposed Activity	Funding
<i>Development of a Noninvasive Fecal-DNA Method to Monitor Sarcoptic Mange Occurrence, Diet, and Abundance in San Joaquin Kit Fox Populations</i> University of California, Davis	Develop a noninvasive method to survey kit fox populations for mange while estimating abundance and diet. Would be accomplished through two objectives: (1) develop and quantify a sensitive and specific assay for sarcoptic mange mite DNA in kit fox scats, and (2) validate the assay as well as complementary noninvasive methods to estimate kit fox abundance and diet characterization.	*\$280,907
<i>Genetic Diversity, Pollination, Seed Dispersal, Metapopulation Dynamics, and Propagation of the Federally Endangered Santa Clara Valley Dudleya</i> Santa Clara University	This project would (1) determine the distribution of genetic diversity of dudleya within and between rock outcrops; (2) quantify the mechanisms of gene flow through pollinator observations and seed trapping experiments; (3) measure dynamics and changes on Coyote Ridge and Tulare Hill; (4) use wind modeling to determine possible dispersal distances; (5) create LiDAR scans of occupied rock outcrops to characterize habitat suitability; (6) establish nursery propagation protocols; and (7) conduct pilot seeding efforts.	*\$253,373
<i>Disease Risk to Conservation and Recovery of San Joaquin Kit Foxes: Mange Mitigation & Distemper Threat Assessment – II</i> California State University, Stanislaus – Endangered Species Recovery Program	This project would (1) determine the extent of spread and population impacts of sarcoptic mange on San Joaquin kit foxes and develop and implement strategies to control or eliminate mange among kit foxes, (2) determine spatial patterns of exposure of San Joaquin kit foxes to canine distemper and identify factors associated with exposure, and (3) assess the magnitude of risk posed by disease to kit fox conservation and recovery.	*\$200,720 Funds needed to complete the \$665,262 grant award will be added in FY 2024

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<i>Capinero Creek Restoration, Phases 2 & 3</i> Tule Basin Land & Water Conservation Trust	Project goals are to (1) complete restoration of 467 acres of alkali scrub habitat; and (2) install fencing to support grazing as a long-term management strategy on the property. The expected outcome is to add 409 total planted acres of self-sustaining alkali scrub habitat. Adjacent to Pixley NWR, the project will benefit San Joaquin kit fox, Tipton kangaroo rat, and blunt-nosed leopard lizard.	**\$383,000 Funds needed to complete the \$1,000,000 grant award will be added in FY 2024
<i>Continued Recovery Actions for California Red-legged Frog and California Tiger Salamander in Contra Costa County</i> Contra Costa Resource Conservation District	Restore three livestock ponds that provide breeding habitat for the federally listed CA red-legged frog and CA tiger salamander. The ponds have filled with sediment from natural erosive processes. They would be restored by removing sediment and extending their hydroperiod, thereby increasing habitat availability during the breeding season.	**\$53,000 To be added to the 2022 award to fully fund the \$203,000 grant agreement
FY 2023 Allocation \$1,500,000	USFWS BOR	\$913,940 \$586,060
Project Costs Total: \$1,171,000	USFWS BOR	\$735,000 \$436,000
Program Operations and Administrative Costs Total: \$	USFWS BOR	\$178,940 \$150,060

*USFWS-funded | **BOR-funded