

Work Task C3: Lower Colorado River Multi-Species Conservation Program Covered Species Profile Development

FY14 Estimate	FY14 Actual Obligations	Cumulative Expenditures Through FY14	FY15 Approved Estimate	FY16 Proposed Estimate	FY17 Proposed Estimate	FY18 Proposed Estimate
\$15,000	\$9,297.76	\$278,197.59	\$10,000	\$0	\$0	\$0

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Start Date: FY05

Expected Duration: FY15

Long-Term Goal: Species research

Conservation Measures: MRM1, MRM2, MRM3, CLRA1, CLRA2, WIFL1, WIFL2, DETO1, DETO2, BONY2, RASU2, WRBA1, WRBA2, WYBA1, WYBA3, DPMO1, CRCR1, CRCR2, YHCR1, YHCR2, LEB11, BLRA1, BLRA2, YBCU1, YBCU2, ELOW1, GIFL1, GIWO1, VEFL1, BEV11, YWAR1, SUTA1, FTHL1, FTHL2, FLSU1, MNSW1, MNSW2, CLNB1, CLNB2, PTBB1, PTBB2, CRTO1, CRTO2, CRTO3, LLFR1, LLFR2, and LLFR3

Location: System-wide, Arizona, California, Nevada

Purpose: To assess existing knowledge on each LCR MSCP covered species to determine research needs and habitat requirements for current and future habitat creation projects

Connections with Other Work Tasks (Past and Future): Information collected during this literature review is currently being used to develop future work tasks, design monitoring programs, design habitat creation projects, and implement the adaptive management process. Information from this work task will be utilized under Work Task E16.

Project Description: To successfully create habitat for LCR MSCP covered species, species accounts have been developed based on extensive literature searches, and they include the most recent scientific information. These accounts include current information about each species' legal status, life history, distribution, habitat requirements, behavior, and LCR MSCP conservation measures as they relate to the creation and management of the species' habitats, enabling the successful completion of conservation measures.

Species accounts were written for both covered and evaluation species, including known habitat requirements and management concerns. Data gaps were identified to set covered species research priorities. LCR MSCP research and monitoring data needs have been identified for each covered and evaluation species where appropriate. These needs have been prioritized in a 5-year plan and will be completed according to importance, urgency, and cost. Other potential research and monitoring opportunities, either identified through this process or by other scientists or conservation programs, which are outside of the scope and purpose of the LCR MSCP have also been listed in the plan.

Previous Activities: Species accounts for the 25 covered and 5 evaluation species listed in the HCP that utilize terrestrial, marsh, and riparian habitats were completed in 2008. In 2013, new information was incorporated and updated internally into the species accounts. Literature searches, literature acquisition, and data compilation were conducted to update the species accounts. Species accounts for razorback sucker, bonytail, flannelmouth sucker, summer tanager, vermilion flycatcher, western red bat, California leaf-nosed bat, pale Townsend's big-eared bat, and gilded flicker were completed.

FY14 Accomplishments: Updated species accounts for Arizona Bell's vireo, yellow warbler, Yuma clapper rail, California black rail, western least bittern, western yellow bat, relict leopard frog, Colorado River toad, lowland leopard frog, Yuma hispid cotton rat, Colorado River cotton rat, desert pocket mouse, elf owl, Gila woodpecker, desert tortoise, flat-tailed horned lizard, humpback chub, sticky buckwheat, and three-corner milkvetch were completed in FY14.

FY15 Activities: A species account for MacNeill's sootywing will be completed, and updates to species accounts for willow flycatcher and yellow-billed cuckoo will be initiated using information from the CEMs. An updated species account report will be posted on the LCR MSCP Web site upon completion.

Proposed FY16 Activities: This work task is being closed and moved to Work Task G5. CEMs integrate and organize existing knowledge of a species and frame each life stage based on management's needs.

Pertinent Reports: The 2014 report titled *Species Accounts for the Lower Colorado River Multi-Species Conservation Program Covered Species* will be posted on the LCR MSCP Web site upon completion.