

Work Task D12: Lowland Leopard Frog and Colorado River Toad Surveys

FY10 Estimates	FY10 Actual	Cumulative Accomplishment Through FY10	FY11 Approved Estimate	FY12 Proposed Estimate	FY13 Proposed Estimate	FY14 Proposed Estimate
\$20,000	\$12,886.12	\$12,886.12	\$120,000	\$150,000	\$100,000	\$0

Contact: Allen Calvert, (702) 293-8311, acalvert@usbr.gov

Start Date: FY10

Expected Duration: FY13

Long-term Goal: Determine the extant populations of the lowland leopard frog and Colorado River toad along the LCR, and understand their habitat requirements.

Conservation Measures: LLFR1, CRT01.

Location: Within reaches 3-7 of the LCR MSCP boundary and the Bill Williams River.

Purpose: Better define distribution, habitat requirements, and factors limiting the distribution of the lowland leopard frog and Colorado River toad using a system-wide monitoring approach.

Connections with Other Work Tasks (past and future): N/A

Project Description: A system-wide survey for these two species will be conducted along the LCR and the Bill Williams River. It is unknown if any extant populations exist for either species along the LCR. The lowland leopard frog has been observed on the Bill Williams River and surveys will help determine the stability of this population. If it is decided to attempt to establish this species by reintroduction along the mainstem LCR, the Bill Williams River population would be the most likely source. Habitat characteristics will also be gathered in conjunction with surveys where presence of either species is confirmed.

Previous Activities: N/A

FY10 Accomplishments: A study plan was designed, survey areas were chosen, and planning for this study was completed. Equipment was purchased for the first full year of study to be completed in FY11.

FY11 Activities: The first year of the project will be implemented and an annual report will be completed. Both species will be surveyed using multiple methods (e.g., visual encounter surveys, call surveys, pitfall traps). Using multiple methods to survey will

maximize the likelihood of finding either species. Surveys will begin in January and will be repeated once each month through August. Surveys from January through May will focus on the lowland leopard frog, and surveys from July through August will focus on the Colorado River toad. Once populations are located, habitat assessments will begin.

Proposed FY12 Activities: The second year of the surveys will be implemented and a final report will be completed based on data collected during the two years. If there is insufficient data to determine populations and presence/absence of the species, this survey may be extended.

Pertinent Reports: N/A