

Work Task C35: Western Red Bat and Western Yellow Bat Roosting Characteristics Study

FY09 Estimates	FY09 Actual	Cumulative Accomplishment Through FY09	FY10 Approved Estimate	FY11 Proposed Estimate	FY12 Proposed Estimate	FY13 Proposed Estimate
\$0	\$0	\$0	\$50,000	\$150,000	\$150,000	\$150,000

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Start Date: FY10

Expected Duration: FY13

Long-term Goal: To determine roosting characteristics for the western red bat and western yellow bat.

Conservation Measures: MRM1 (WRBA, WYBA)

Location: Within the LCR MSCP project boundary, Bill Williams River NWR, and possibly other riparian areas where western red bats and/or western yellow bats are known to occur.

Purpose: To better define roosting characteristics for the two species using radio telemetry.

Connections with Other Work Tasks (past and future): Work tasks D9 and F4 determine the distribution of each species and determine areas in which to capture the target species.

Project Description: Radio transmitters will be attached to both western red bats and western yellow bats. These bats will then be tracked to their roosting sites (in trees) during the day to pinpoint their roosting locations. Vegetation measurements will be collected at both known roost sites as well as random non-use sites to determine whether these bat species have specific roosting characteristics. These data will be used to design habitat creation projects for these species. Few western red bats have been captured within the LCR MSCP program area. It may be necessary to include other riparian areas in the study in order to increase sample size.

Previous Activities: Locations where enough of these species can be captured to obtain a large enough sample size are being determined in D9 and F4.

FY09 Accomplishments: This is a new start in FY10.

FY10 Activities: Preliminary work will include developing a study design, determining sampling protocol, and evaluating survey areas.

Proposed FY11 Activities: The first year of the study will be implemented and an annual report will be written. Several areas will be mist-netted to obtain red and yellow bats for placement of transmitters throughout the summer. Vegetation data will be collected at day roosts and analysis will be conducted to determine roosting characteristics.

Pertinent Reports: N/A