

Work Task F4: Post-Development Monitoring of Covered Bat Species

FY06 Estimates	FY06 Actual	Cumulative Accomplishment Through FY06	FY07 Approved Estimate	FY08 Proposed Estimate	FY09 Proposed Estimate	FY10 Proposed Estimate
\$0	\$0	\$0	\$60,000	\$70,000	\$70,000	\$70,000

Contact: Theresa Olson, (702) 293-8127, tolson@lc.usbr.gov

Start Date: FY07

Expected Duration: FY55

Long-term Goal: Pre- and post-development monitoring of covered bat species

Conservation Measures: AMM1, MRM1, MRM2, WRBA2, WYBA2, and WYBA3

Location: Beal Lake, Havasu NWR; PVER, California; CVCA, Cibola Nature Trail, Cibola NWR, Cibola, Arizona; Imperial Ponds, and Imperial NWR, Arizona.

Purpose: Monitor bat use of habitat creation sites to provide data for the adaptive management process and develop management guidelines for created habitat sites. Pre- and post-development monitoring for the presence/absence of covered bat species will be conducted following a protocol developed in 2006. Information obtained through this work task, in conjunction with D9, will help determine the distribution of these species.

Connections with Other Work Tasks (past and future): Post-development bat monitoring will be conducted at habitat creation sites listed in Section E. In addition, information obtained from this work task may be used to provide data to D9.

Project Description: Indigenous bat species were surveyed annually along the LCR from 2001 to 2006. Post-development monitoring will utilize a protocol developed in 2006. Acoustic monitoring will be conducted at habitat creation sites, including CVCA, PVER, Cibola NWR Nature Trail, and Beal Lake on Havasu NWR. These surveys will utilize either active or stationary Anabat™ systems to record bat sounds for presence/absence surveys. In some circumstances, capture techniques may be used for those species not readily recorded by the Anabat™ system. These surveys will provide data on foraging habitat and use by covered species. Reclamation staff will conduct bat surveys before and after habitat creation utilizing Anabat™, Sonabat™, infrared cameras, stationary detection equipment, and mist netting, where appropriate.

Previous Activities: This is a new start in FY07.

FY06 Accomplishments: This is a new start in FY07.

FY07 Activities: Conduct pre- and post-development bat surveys on habitat creation sites, including Beal Lake, Cibola Nature Trail, CVCA, Imperial Ponds, and PVER. Anabat™ files will be analyzed to determine species richness and abundance at restoration sites.

Proposed FY08 Activities: Pre- and post-development bat surveys will be conducted on habitat creation sites, including Beal Lake, Cibola Nature Trail, CVCA, Imperial Ponds, and PVER. Anabat™ files will be analyzed to determine species richness and abundance at restoration sites.

Pertinent Reports: The work protocol will be posted on the LCR MSCP Web site.