

Work Task F3: Small Mammal Colonization of Restoration Sites

FY05 Estimate	FY05 Actual	Cumulative Accomplishment Through FY05	FY06 Approved Estimate	FY07 Proposed Estimate	FY08 Proposed Estimate	FY09 Proposed Estimate
\$45,000	\$27,377	\$27,377	\$45,000	\$50,000	\$55,000	\$60,000

Contact: John Swett, (702) 293-8574

Start Date: FY05 **Expected Duration:** FY55

Long-term Goal: Post-development monitoring

Conservation Measures: AMM1, AMM5, AMM6, MRM2, DPMO1, CRCR1, CRCR2, YHCR1, and YHCR2

Location: Beal Lake, Havasu NWR; PVER, California; CVCA, Cibola Nature Trail, Hart Mine Marsh, Cibola NWR, Cibola, Arizona; Imperial Ponds, Imperial NWR; Arizona, and Pratt Restoration, Yuma, Arizona.

Purpose: Develop protocols and monitor small mammal populations within habitat creation sites. Data will be used in the adaptive management process to guide the design of future habitat creation projects targeting covered small mammal species.

Connections with other Work Tasks (past and future): Post-development small mammal monitoring will be conducted at habitat creation sites listed in Section E. In addition, information obtained from this Work Task, in conjunction with D10, will be used to define habitat requirements for future habitat creation projects.

Project Description: Reclamation will conduct presence/absence surveys in restoration demonstration and habitat creation sites to determine small mammal occurrence. The data will be used to guide the design of habitat restoration for covered small mammal species.

FY05 Accomplishment: Small mammal surveys were conducted at two restoration demonstration sites, Pratt Restoration and Cibola Nature Trail. Four animals from the genus *Sigmodon* were captured at Cibola and three were captured at Pratt. Although it may be assumed by reviewing existing literature that the Pratt animals were Yuma hispid cotton rats and the Cibola animals were Colorado River cotton rats, potential range expansion of these species makes this assumption less certain. Both captured species were present in dense *Baccharus* and Johnson grass within mesquite and cottonwood-willow habitat.

FY06 Activities: Conduct pre-development monitoring at restoration sites identified in Section E, including CVCA, PVER, and Hart Mine Marsh. Conduct post-development monitoring at existing restoration sites, including Beal Lake, Cibola Nature Trail, Imperial Ponds, CVCA, and PVER.

Proposed FY07 Activities: Conduct pre-development monitoring at restoration sites identified in Section E, including CVCA, PVER, and Hart Mine Marsh. Conduct post-development monitoring at existing restoration sites, including Beal Lake, Cibola Nature Trail, Imperial Ponds, CVCA, and PVER. Surveys will be expanded to future restoration sites as identified in restoration and monitoring plans.

Pertinent Reports: *Summary of Preliminary Mammal Trapping Efforts at Cibola National Wildlife Refuge and the Pratt Restoration Site, 2004-05* will be posted on the LCR MSCP website. Restoration Plans will be written for each habitat creation project listed in Section E including a monitoring section.