

Work Task E17: Topock Marsh Pumping

FY07 Estimates	FY07 Actual	Cumulative Accomplishment Through FY07	FY08 Approved Estimate	FY09 Proposed Estimate	FY10 Proposed Estimate	FY11 Proposed Estimate
\$70,000	\$4,757	\$5,884	\$5,000	\$5,000	\$5,000	\$70,000

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Start Date: FY06

Expected Duration: FY55

Long-term Goal: Avoid impacts of flow-related covered activities on covered species habitats at Topock Marsh.

Conservation Measures: AMM2.

Location: Reach 3, Havasu NWR, river miles 235-244, AZ.

Purpose: To avoid flow-related covered impacts on covered species habitats at Topock Marsh. One option identified includes the design, permitting, and construction of a reliable and manageable water delivery system for Topock Marsh.

Connections with Other Work Tasks (past and future): None.

Project Description: Topock Marsh has been identified as an important area for LCR MSCP covered species such as Yuma clapper rail and the SWFL. At times, flow-related activities could lower river elevations to levels that could disrupt existing gravity diversions of water from the river to the marsh. The option identified in the LCR MSCP HCP assumed two pumps would be purchased and installed at the existing inlet canal for Topock Marsh. The cost of the purchase, installation, and operation of the pumps throughout the life of the 50-year program would be funded by the LCR MSCP. It is anticipated that the gravity diversion of water, along with supplemental pumping to maintain the water surface elevation, would avoid negative effects on the groundwater elevation.

Previous Activities: The *Draft Havasu National Wildlife Refuge Water Management Plan* has been drafted by the USFWS and is in review.

FY07 Accomplishments: The specific actions required to satisfy AMM2 have not been determined at this time. Therefore, expenditures were less than anticipated. However, in FY07, the *Final Havasu National Wildlife Refuge Water Management Plan* was posted to the LCR MSCP Web site.

FY08 Activities: Discussion of the technical reviews, water accounting issues, and feasibility of implementation are anticipated. After a decision is reached, the commitments or obligations of the LCR MSCP will be determined.

Proposed FY09 Activities: Funding has been reduced until a strategy for completing AMM2 is finalized.

Pertinent Reports: *Final Havasu National Wildlife Refuge Water Management Plan.*