Work Task G1: Data Management

FY05 Estimate	FY05 Actual	Cumulative Accomplishment Through FY05	FY06 Approved Estimate	FY07 Proposed Estimate	FY08 Proposed Estimate	FY09 Proposed Estimate
$160,000	$0	$235,000	$225,000	$650,000	$960,000	$950,000

Contact: Theresa Olson, (702) 293-8127

Start Date: FY06   **Expected Duration:** FY55

Long-term Goal: Data management will be an ongoing task for the species research, system monitoring, habitat creation, post-development monitoring, and habitat maintenance programs.

Conservation Measures: All

Location: System-wide

Purpose: Develop and maintain an accessible, multi-disciplinary, spatially referenced, relational database to consolidate, organize, document, store, and distribute scientific information related to the LCR MSCP.

Connections with other Work Tasks (past and future): Database management is integral in the successful completion of Work Tasks undertaken for Fish Augmentation (Section B), Species Research (Section C), System Monitoring (Section D), Habitat Creation (Section E), Post-Development Monitoring (Section F), Adaptive Management (Section G), and Habitat Maintenance (Section H).

Project Description: To fully implement the LCR MSCP, a robust database management system needs to be developed to manage data collected through the species research, system monitoring, habitat creation, post-development monitoring, adaptive management, and habitat maintenance programs. Conservation measure completion and financial data also need to be managed to effectively and efficiently implement the LCR MSCP. Database design, initial implementation, and maintenance are funded through this Work Task. It is anticipated that implementation will be completed by FY09.

Previous Activities: All RASU and BONY tagging and stocking data have been included in the Lower Colorado River Native Fishes database, maintained by ASU in Tempe, Arizona. ASU received a federal grant in FY04 to continue this work for four years. Reclamation accounted for these funds in its request for financial credit. The grant provides funds to support this work through FY07.

FY05 Accomplishments: RASU and BONY tagging and stocking information for fish released to the lower Colorado River were provided to ASU and entered into the Lower Colorado River Native Fishes database. This database was redesigned so that the stocking history of recaptured fish could be accessed via the internet.

FY06 Activities: Reclamation prepared an LCR MSCP Database Management Framework Requirements Analysis document outlining several options for implementing an accessible, multi-disciplinary, spatially referenced, relational database to consolidate, organize, document, store, and distribute scientific information related to the LCR MSCP.

All tagging and stocking data for RASU and BONY continue to be provided to ASU for inclusion into the Lower Colorado River Native Fishes database.

Proposed FY07 Activities: Database design and implementation will begin in FY07. The proposed funding level will enable Reclamation to design the system, conduct a pilot project on high priority modules, and complete initial set-up for the database management system. Estimated costs include Reclamation staff, associated hardware, software, and storage requirements.

Pertinent Reports: *Draft LCR MSCP Database Management Framework Requirements Analysis* is available upon request.