Work Task G1: Data Management

FY07 Estimates	FY07 Actual	Cumulative Accomplishment Through FY07	FY08 Approved Estimate	FY09 Proposed Estimate	FY10 Proposed Estimate	FY11 Proposed Estimate
$650,000	$143,492	$476,451	$450,000	$450,000	$450,000	$450,000

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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 database management system is being developed to manage data collected through the species research, system monitoring, habitat creation, post-development monitoring, adaptive management, and habitat maintenance programs. Database design, initial implementation, and maintenance are funded through this work task.

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. Arizona State University received a federal grant in FY04 to continue this work for 4 years. Reclamation accounted for these funds in its request for financial credit. The grant provides funds to support this work through FY07.

The LCR MSCP Database Management Framework Requirements Analysis was completed in FY06, which outlined 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. This analysis will be used to develop the implementation strategy for the LCR MSCP database management system.

FY07 Accomplishments: While options described in the FY06 analysis were evaluated, a document/calendar management system was identified and implemented to facilitate collaboration among staff. Modifications were made to this off-the-shelf software package tailoring it to the needs of the LCR MSCP. Data collected for the FY07 field season was placed into this management system and an organizational structure for the system was put in place.

All tagging and stocking data for RASU and BONY collected in FY07 were provided to ASU and included in the Lower Colorado River Native Fishes database.

In FY07, a decision was made to proceed with a modular database management system. While the database management process was being determined, data entry was accomplished through individual work tasks so costs are not reflected in this work task. Funding was moved to accelerate accomplishments under work task G3.

FY08 Activities: The database management system will be implemented by staffing a database manager position and developing high priority modules. It is anticipated that FY08 expenditures will be less than the approved budget estimate due to delays in implementing this project.

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

Proposed FY09 Activities: Database design and implementation will continue. A pilot project will be conducted and a plan developed to begin work on high priority modules. The native fishes database will continue to be maintained by ASU until the LCR MSCP database is fully functional. Annual cost for management of the database is estimated to be $110,000 per year.

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