Work Task G1: Data Management

FY06 Estimates	FY06 Actual	Cumulative Accomplishment Through FY06	FY07 Approved Estimate	FY08 Proposed Estimate	FY09 Proposed Estimate	FY10 Proposed Estimate
$225,000	$97,959	$332,959	$650,000	$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 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.

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.

FY06 Accomplishments: 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.

In the interim, a document/calendar management system was identified and implemented to facilatate the efficient collaboration among staff. Modifications were made to this off-the-shelf software package tailoring it to the needs of the LCR MSCP.

All tagging and stocking data for RASU and BONY collected in FY06 were provided to ASU and included in the Lower Colorado Native Fishes database.

Initial FY06 cost estimates assumed implementation of the database management system will begin in FY06.

FY07 Activities: The database management system will be implemented by staffing a database manager position and developing high priority modules. 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 FY08 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 through 2010 until the LCR MSCP database is fully functional. Annual cost for management of the fishery 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.