

## Work Task B6: Lake Mead Fish Hatchery

FY05 Estimate	FY05 Actual	Cumulative Accomplishment Through FY05	FY06 Approved Estimate	FY07 Proposed Estimate	FY08 Proposed Estimate	FY09 Proposed Estimate
\$50,000	\$32,000	\$32,000	\$45,000	\$55,000	\$55,000	\$55,000

**Contact:** Tom Burke, (702) 293-8711

**Start Date:** FY05 **Expected Duration:** FY16

**Long-Term Goal:** Operate and maintain fish rearing facility to provide razorback sucker for the LCR MSCP Fish Augmentation Program.

**Conservation Measures:** RASU3, RASU4, RASU7, and RASU8

**Location:** Reach 1, Lake Mead, Boulder City, NV

**Purpose:** Support Lake Mead RASU studies; complete conservation measures identified in the ISG/SIA Biological and Conference Opinion subsumed under the LCR MSCP; contribute RASU to the LCR MSCP Fish Augmentation Program.

**Connections with Other Work Tasks (past and future):** Activities at Lake Mead SFH are related to Work Tasks C13 and B11. Razorback sucker (RASU) larvae are captured from Lake Mead as part of the Lake Mead Razorback Sucker Study (Work Task C13) and reared at Lake Mead SFH. Once fish reach subadult size, they will be transferred to grow-out ponds at Overton WMA to complete the rearing process (Work Task B11).

**Project Description:** Lake Mead SFH is managed and operated by NDOW. Recent renovation of Lake Mead SFH allowed development and inclusion of dedicated facilities for rearing RASU and other native fishes. Reclamation, Southern Nevada Water Authority (SNWA), and NDOW are cooperatively rearing RASU larvae captured from Lake Mead for future repatriation back to the lake. Funds from this Work Task will provide staff, equipment, feed and chemicals to rear these fishes and to complete ISG/SIA requirements.

In addition, space is available as a contingency to rear RASU for fish augmentation program needs for the lower Colorado River (Reaches 3-5). This additional rearing capacity is needed for years six through ten (FY11-FY16) of the LCR MSCP, during which time the number of RASU needed annually for stocking into Reaches 3-5 increases from 12,000 fish per year to 24,000 fish per year.

**Previous Activities:** Reclamation, SNWA, and NDOW have cooperatively been rearing RASU from Lake Mead in temporary outside tanks at the hatchery.

**FY05 Accomplishments:** The new native fish room was plumbed and outfitted with fiberglass tanks (see Figure B6) and was used for rearing approximately 4,000 RASU larvae that were captured from Lake Mead.



**Figure B6:** New tanks installed in Lake Mead SFH native fish room.

**FY06 Activities:** Continue to rear RASU from 2005 year class; receive and rear up to 5,000 juvenile RASU from 2006 year class (These larvae were captured from both Lake Mead and Lake Mohave during March and April 2006.)

**Proposed FY07 Activities:** Rear RASU from larvae to subadult, and transfer subadult RASU to ponds at Overton WMA.