

## Work Task B3: Achii Hanyo Rearing Station

FY09 Estimates	FY09 Actual	Cumulative Accomplishment Through FY09	FY10 Approved Estimate	FY11 Proposed Estimate	FY12 Proposed Estimate	FY13 Proposed Estimate
\$170,000	\$169,669.00	\$426,736.46	\$100,000	\$150,000	\$150,000	\$150,000

**Contact:** Andrea Montony, (702) 293-8203, [amontony@usbr.gov](mailto:amontony@usbr.gov)

**Start Date:** FY04

**Expected Duration:** FY55

**Long-term Goal:** Maintain and operate fish-rearing facility as an integral part of the LCR MSCP Fish Augmentation Program.

**Conservation Measures:** RASU3, RASU4, BONY3, and BONY4

**Location:** Reach 4, Colorado River Indian Tribes Reservation, Parker, Arizona

**Purpose:** Support operation and maintenance of fish rearing facilities to annually contribute BONY to the LCR MSCP Fish Augmentation Program for stocking into reaches 3-5 of the LCR.

**Connections with Other Work Tasks (past and future):** This work task was previously included in the FY04 work tasks as Achii Hanyo National Fish Hatchery (A1). This work is related to B2 and B4, as fish from both Willow Beach NFH and Dexter NFH may be transferred to Achii Hanyo Rearing Station. Additionally, fish research for RASU and BONY may be accomplished at this facility.

**Project Description:** This project supports both the development and maintenance of Achii Hanyo Rearing Station as a grow-out site for BONY and the rearing of BONY for release into reaches 3-5 of the LCR. Funds allocated are used for staff salary, facility operation and maintenance, fish feed and chemicals, and fish distribution.

This facility is located on the Colorado River Indian Tribes Reservation (CRIT), Parker, Arizona. There are seven earthen ponds that receive Colorado River water from an irrigation canal. A metal building was constructed to house four flow-through raceways and three circular tanks; in addition, 12 circular tanks are housed under an outside canopy, and there is one large, outside research tank.

Fish rearing is seasonal, producing one crop per year. BONY are brought in from Willow Beach NFH and/or Dexter NFH in the winter. Fish are fed through the spring and summer. In the fall, the ponds are drained, and fish are harvested, tagged, and released.

Fish under target size (less than 300 mm TL) are returned to a pond for continued rearing. New fish are then brought onto the station and the process is repeated. The annual production goal is 4,000 BONY for stocking into the LCR.

**Previous Activities:** The USFWS and Reclamation have cooperatively worked to upgrade this facility since FY04. Work completed includes the purchase and assembly of a metal building (tank house) and fiberglass fish tanks. An office, feed storage room, restrooms, and electrical upgrades have been completed. A backup generator and upgraded aeration systems for fish tanks in the tank house were completed.

**FY09 Accomplishments:** At the start of the year 5,156 BONY exceeding 250 mm, and 4,000 young-of-the-year BONY were on station, along with about 500 RASU. At the end of the year, 4,579 BONY and 413 RASU were harvested, tagged, and stocked into the LCR. Also, fish research assessing RASU growth to 500 mm TL (C10) and polyculture of RASU and BONY (C11) were conducted (both research actions will be completed in 2010). Installation of a pond liner and a new generator were completed. Levee roads were graded and resurfaced with gravel around the ponds.

**FY010 Activities:** The BONY on station for the start of 2010 include 7,500 young-of-the-year and 10,000 yearling fish, all supplied from Dexter NFH. Production goals will remain at 4,000 BONY greater than 300 mm TL.

**Proposed FY11 Activities:** BONY left on station from FY10 will be reared to target size, fingerling BONY will be delivered from either Dexter NFH or Willow Beach NFH, and two additional ponds are scheduled to be put into service to increase fish production and research. The funding increase for FY11 reflects the reassignment of funds originally programmed for BONY production and research at Uvalde NFH.

**Pertinent Reports:** The report, *2005-2009 Fish Augmentation Summary*, is in preparation and will be posted to the LCR MSCP Web site.