

## Work Task B3: Achii Hanyo Rearing Station

FY11 Estimate	FY11 Actual Obligations	Cumulative Expenditures Through FY11	FY12 Approved Estimate	FY13 Proposed Estimate	FY14 Proposed Estimate	FY15 Proposed Estimate
\$150,000	\$136,901.52	\$573,688.09	\$150,000	\$150,000	\$150,000	\$150,000

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**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 RASU and 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 RASU and 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), near Parker, Arizona. There are eight 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.

**FY11 Accomplishments:** At the start of the year 11,290 BONY were on station. This number included 703 FY08, 5,279 FY09, and 5,308 FY10 fish. At the start of the year 5,900 RASU were on station. This number included 600 FY09 and 5,300 FY10. At the end of the year, 3,215 BONY and 2,002 RASU were harvested, tagged, and stocked into the LCR. A total of 2,002 RASU were stocked into Reach 2, 473 BONY were stocked into Reach 3, and 2,742 BONY were stocked into Reach 4. A total of 8,627 BONY were returned to ponds on station for further grow out. Of this 835 BONY were FY09, 1,292 BONY were FY10, and 6,500 BONY were FY11 young of the year. Also 461 RASU FY10 were returned to ponds on station for further grow out. All fish on station in FY11 were part of research assessing RASU growth to 500 mm TL (C10) and polyculture of RASU and BONY (C11). Both research actions will be continued for one more year. Production goals will remain at 4,000 BONY greater than 300 mm TL. Two additional ponds were designed and constructed this year but only one was used due to a leak.

**FY12 Activities:** BONY left on station from FY11 will be reared to target size. Delivery of approx 4,000 BONY from Dexter NFH is expected if Largemouth Bass Virus issues are resolved. Earth work will be performed around the catch kettle on one pond this year. One additional pond is scheduled to be put into service to increase fish production and research. Disking and grading of three ponds will be accomplished this year and one additional pond is scheduled for construction.

**Proposed FY13 Activities:** BONY left on station from FY12 will be reared to target size, fingerling BONY will be delivered from either Dexter NFH or Willow Beach NFH.

**Pertinent Reports:** The scope of work and annual administrative reports are available upon request.