

Work Task B3: Achii Hanyo Rearing Station

FY10 Estimates	FY10 Actual	Cumulative Accomplishment Through FY10	FY11 Approved Estimate	FY12 Proposed Estimate	FY13 Proposed Estimate	FY14 Proposed Estimate
\$100,000	\$95,522.93	\$522,259.39	\$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 six 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.

FY10 Accomplishments: At the start of the year 14,000 BONY were on station. This number included 1,900 FY08 from Uvalde which averaged 258 mm, and 12,100 FY09 young-of-the-years ranging from 80-160 mm. At the beginning of the year 988 RASU were also on station. At the end of the year, 3,093 BONY and 504 RASU were harvested, tagged, and stocked into the LCR. A total of 504 RASU were stocked into Reach 2, 2132 BONY were stocked into Reach 3, and 961 BONY were stocked into Reach 4. A total of 5,983 BONY and 19 RASU were returned to ponds on station for further grow out. All fish on station in FY10 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 two more years.

FY11 Activities: The BONY on station for the start of 2011 include 6,000 FY09 and 10,000 FY10 young-of-the-year fish. RASU on station are 19 with the addition of 1,300 planned for delivery from WBNFH for further grow-out. Delivery of approx 4,000 BONY from Dexter NFH is expected if Largemouth Bass Virus issues are resolved. Production goals will remain at 4,000 BONY greater than 300 mm TL. Four additional ponds have been designed and two ponds may be constructed this year. Levee roads will be reconstructed and disking/grading of two ponds is also planned.

Proposed FY12 Activities: BONY left on station from FY11 will be reared to target size, fingerling BONY will be delivered from either Dexter NFH or Willow Beach NFH. Two additional ponds are scheduled to be put into service to increase fish production and research.

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