

Work Task B3: Achii Hanyo Rearing Station

FY13 Estimate	FY13 Actual Obligations	Cumulative Expenditures Through FY13	FY14 Approved Estimate	FY15 Proposed Estimate	FY16 Proposed Estimate	FY17 Proposed Estimate
\$150,000	\$197,235.85	\$869,112.11	\$150,000	\$160,000	\$170,000	\$175,000

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Start Date: FY04

Expected Duration: FY55

Long-term Goal: Fish augmentation

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 2-5 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 SNARRC 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. The Achii Hanyo station is primarily used as a facility for BONY from SNARRC, although RASU are occasionally brought on station in response to stocking needs and space limitations at other facilities. 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 nine 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 SNARRC in the winter. Fish are fed through the spring and summer. In the fall, the ponds are drained, and fish are harvested, tagged, and stocked. 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 LCR MSCP 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.

FY13 Accomplishments: At the start of the year, 20,454 year class 2012 BONY and 1,013 year class 2011 RASU were on station. At the end of the year, 415 RASU were harvested, tagged, and stocked into Reach 2 of the LCR.

In December 2013, 514 BONY ranging from 300-370 mm were harvested from Achii Hanyo, PIT tagged and transferred to Lake Mead Hatchery (B6). These fish were part of a conditioning study and were held for one month at the Lake Mead Hatchery before being stocked to meet research needs on Lake Havasu (C39). Also in December, 6,000 young of the year BONY were transferred to Lake Mead Hatchery (B6) to test rearing capabilities. These fish will be reared to >300 mm and stocked in the LCR. Approximately 12,000 BONY were held on station for additional grow-out.

FY14 Activities: BONY will be brought on station from SNARRC to meet production goals. Delivery of approximately 15,000 BONY from SNARRC is expected in late winter. Two ponds will be dried and treated for weed infestation prior to refilling. During February, grading will be accomplished on as many ponds as weather conditions permit.

Proposed FY15 Activities: BONY left on station from FY14 will be reared to target size, and fingerling BONY will be delivered from either SNARRC or Willow Beach NFH.

Pertinent Reports: Annual administrative reports are available upon request.