

Work Task B3: Achii Hanyo Rearing Station

FY12 Estimate	FY12 Actual Obligations	Cumulative Expenditures Through FY12	FY13 Approved Estimate	FY14 Proposed Estimate	FY15 Proposed Estimate	FY16 Proposed Estimate
\$150,000	\$145,868.05	\$682,715.68	\$150,000	\$165,000	\$170,000	\$170,000

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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 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 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.

FY12 Accomplishments: At the start of the year, 8,590 BONY were on station. This number included 835 FY09 fish, 1,255 FY10 fish, and 6,500 FY11 fish. At the start of the year, 5,960 RASU were on station. This number included 260 FY07 fish and 5,700 FY10 fish. At the end of the year, 605 BONY and 3,988 RASU were harvested, tagged, and stocked into the LCR. A total of 3,988 RASU were stocked into Reach 2, and 605 BONY were stocked into Reach 4. All fish on station in FY12 were part of research assessing RASU growth to 500 mm TL (C10) and polyculture of RASU and BONY (C11). Production goals will remain at 4,000 BONY greater than 300 mm TL. All fish were stocked from station this year in an effort to improve fish production. Any BONY less than 300mm were stocked in Reach 4. Polyculture of RASU and BONY will no longer be conducted.

FY13 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. Earth work will be performed in several ponds this winter in an attempt to facilitate harvest next winter. Earth work will be performed on three ponds to repair leaks and widen one levee. During February, disking and grading will be accomplished on as many ponds as weather conditions permit.

Proposed FY14 Activities: BONY left on station from FY13 will be reared to target size, and fingerling BONY will be delivered from either SNARRC or Willow Beach NFH. Budget increases in FY14 are due to anticipated cost increases associated with raising fish to target size.

Pertinent Reports: Annual administrative reports are available upon request.