

Work Task B4: Southwestern Native Aquatic Resources & Recovery Center at Dexter*

FY12 Estimate	FY12 Actual Obligations	Cumulative Expenditures Through FY12	FY13 Approved Estimate	FY14 Proposed Estimate	FY15 Proposed Estimate	FY16 Proposed Estimate
\$200,000	\$148,422.27	\$1,133,641.32	\$250,000	\$250,000	\$250,000	\$250,000

*Name of facility changed

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Start Date: FY05

Expected Duration: FY55

Long-term Goal: Maintain fish-rearing capability to provide RASU and BONY for the LCR MSCP Fish Augmentation Program.

Conservation Measures: RASU3, RASU4, BONY3, BONY4, and HUCH1.

Location: Off-river, Dexter, New Mexico.

Purpose: Support operation and maintenance at the facility, support maintenance of BONY broodstock, and annually provide RASU and BONY to the LCR MSCP Fish Augmentation Program.

Connections with Other Work Tasks (past and future): This work is related to work tasks B2, B3, and B5, as fish from SNARRC will be delivered to Willow Beach NFH, Achii Hanyo Rearing Station, and Bubbling Ponds State Fish Hatchery. In addition, fish-rearing research activities outlined in C10, C11, C14, and C30 may be conducted at SNARRC.

Project Description: SNARRC is managed and operated by the USFWS. The facility maintains the only broodstock for BONY in the world, and maintains a backup broodstock of RASU. Funds provided will be used to maintain extant broodstock, produce fingerling BONY annually for distribution to other hatcheries, and annually rear BONY to 300 mm TL for distribution within reaches 2 through 5.

Previous Activities: Reclamation and the USFWS have past and ongoing interagency agreements to support rearing and research for RASU and BONY at SNARRC. Since the inception of the LCR MSCP through 2011, a total of 3,224 RASU have been stocked into Reach 2, a total of 794 RASU have been stocked into Reach 3, a total of 1,357 BONY have been stocked into Reach 2, a total of 12,671 BONY have been stocked into Reach 3, and a total of 535 BONY have been stocked into Reach 4.

FY12 Accomplishments: In October 2012 the Fish Health Unit concluded SNARRC's annual fish health inspection using enhanced testing protocols. No pathogens of concern were detected and the facilities disease classification was upgraded from suspect LMBV to Class A (pathogen free) disease classification. Prior to the annual inspection, fish lots had been tested in November 2010 and April 2011 and no pathogens of concern were detected at those times.

BONY. SNARRC staff maintained 2,000 adult BONY broodstock. The stock comprises six year classes of Lake Mohave origin fish. Approximately 40,000 BONY were maintained on station for future stocking into the Lower Colorado River: 13,000 from the 2009 year class, 15,000 from the 2011 year class, and 12,000 from the 2012 year class. Staff from the USFWS hormonally induced and hand-stripped eggs and sperm from 44 adult BONY, producing 313,060 eggs. No BONY were transferred to Willow Beach NFH, or Achii Hanyo Rearing Station, during 2012. Following the reissuing of their Class A rating in October 2012, USFWS staff harvested, PIT-tagged, hauled, and stocked a total of 4,000 subadult BONY (300+ mm TL) into Lake Havasu (Reach 3), and a total of 3,216 subadult BONY (300+ mm TL) into Reach 4. SNARRC staff began developing a second BONY broodstock this year.

RASU. SNARRC staff maintained a refuge stock of 1,250 adult RASU. The broodstock comprises nine year classes of Lake Mohave origin fish. USFWS staff hormonally induced and hand-stripped eggs and sperm from 36 adult RASU, producing 331,992 eggs. A total of 55,000 RASU larvae were transferred to Bubbling Ponds SFH for grow out and future stocking in the Lower Colorado River. Approximately 29,000 RASU were maintained on station for future stocking into the lower Colorado River: 1,000 from the 2008-2009 year class, 20,000 from the 2011 year class, and 8,000 from the 2012 year class. No RASU were transferred to SNARRC from Willow Beach NFH due to ongoing quagga mussel issues. A total of 602 RASU from SNARRC were stocked into the Lower Colorado River at River Island State Park (Reach 4) in 2012.

FY13 Activities: Budget was increased due to contract price increases. The BONY broodstock will be maintained, and the hatchery will produce between 150,000 and 300,000 fingerling BONY for distribution depending upon various agency requests (including Willow Beach NFH, Achii Hanyo Rearing Station, Bubbling Ponds SFH, and Lake Mead SFH); up to 1,000 RASU will be reared to 500 mm TL for stocking into the LCR. A total of 4,000 BONY will be reared to 300 mm TL for distribution within Reach 3.

SNARRC will continue to provide up to 50,000 RASU larvae to Bubbling Ponds SFH from hand-spawned broodstock held on station.

Proposed FY14 Activities: The BONY broodstock will be maintained. Up to 75,000 fingerling BONY will be produced for distribution to Willow Beach NFH and Achii Hanyo Rearing Station, and 4,000 BONY will be reared to 300 mm TL for distribution within reaches 3-5.

Pertinent Reports: Annual administrative reports are available upon request.