

Work Task C14: Humpback Chub Program Support

FY15 Estimate	FY15 Actual Obligations	Cumulative Expenditures Through FY15	FY16 Approved Estimate	FY17 Proposed Estimate	FY18 Proposed Estimate	FY19 Proposed Estimate
\$57,000	\$87.21	\$287,987.11	\$57,000	\$57,000	\$57,000	\$57,000

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Start Date: FY05

Expected Duration: FY55

Long-Term Goal: Support humpback chub conservation

Conservation Measures: HUCH1

Location: Grand Canyon, Arizona; Willow Beach, Arizona; Dexter, New Mexico

Purpose: To provide support for the Glen Canyon Dam Adaptive Management Program (Glen Canyon Dam AMP) to conserve the humpback chub

Connections with Other Work Tasks (Past and Future): This work task is connected to Work Tasks B2 and B4, as money will be transferred to the U.S. Fish and Wildlife Service (USFWS) through an agreement for activities at the Willow Beach National Fish Hatchery and the Southwestern Native Aquatic Resources & Recovery Center (SNARRC).

Project Description: A total of \$500,000 over the life of the LCR MSCP (50 years) will be provided for the Glen Canyon Dam AMP, or other programs approved by the USFWS, to support implementation of planned, but unfunded, humpback chub conservation measures.

Previous Activities: In support of the Glen Canyon Dam AMP, funds were provided to the USFWS for the care of humpback chubs from the Little Colorado River housed at the Willow Beach National Fish Hatchery in FY06. In an effort to reduce administrative costs and optimize planning, the USFWS requested funding of \$10,000 per year for 3 years (FY06–08).

During calendar year 2008, additional funds were provided under the LCR MSCP for the development of a refugia broodstock for the humpback chub. The agreement for broodstock development was in place for FY09–11.

A refuge population/captive broodstock of Grand Canyon humpback chub has been established at the SNARRC. In 2014, the SNARRC successfully maintained 1,024 humpback chub from the Little Colorado River, Grand Canyon. This included 274 of the 2008 year class, 202 of the 2009 year class, 174 of the 2010 year class, 200 of the 2011 year class, and 174 of the 2012 year class. The overall survival for the year was 99.2 percent.

Approximately one-half of the overall \$500,000 commitment has been spent funding broodstock development in addition to the previous support of humpback chub initiatives of the Glen Canyon Dam AMP. The remaining funds will be allocated when the Glen Canyon Dam Adaptive Management Program, in coordination with the USFWS, identifies appropriate maintenance activities or research needs for the funds.

FY15 Accomplishments: The humpback chub refuge stock was inventoried and found to have 100-percent survival. No research or support needs were identified for FY15. Expenditures in FY15 were limited to administrative charges.

FY16 Activities: Support will continue for humpback chub conservation in coordination with the USFWS and the Glen Canyon Dam AMP. Remaining funds will be spent according to research needs as agreed to among all cooperating agencies.

Proposed FY17 Activities: Support will continue for humpback chub conservation in coordination with the USFWS and the Glen Canyon Dam AMP. Remaining funds will be spent according to research needs as agreed to among all cooperating agencies.

Pertinent Reports: Progress reports are available upon request.