

Work Task C14: Humpback Chub Program Support

FY16 Estimate	FY16 Actual Obligations	Cumulative Expenditures Through FY16	FY17 Approved Estimate	FY18 Proposed Estimate	FY19 Proposed Estimate	FY20 Proposed Estimate
\$57,000	\$0	\$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 (*Gila cypha*) 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 and Recovery Center in Dexter, New Mexico (Center).

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: A refuge population/captive broodstock of Grand Canyon humpback chubs was established at the Center during FY12–14. During FY14 and FY15, the Center successfully maintained 1,024 humpback chubs from the Little Colorado River, Grand Canyon.

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 AMP, in coordination with the USFWS, identifies appropriate maintenance activities or research needs for the funds.

FY16 Accomplishments: The humpback chub refuge stock was inventoried on August 22, 2016, and found to have 99% survival. No research or support needs were provided during FY16.

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.

Proposed FY18 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.