



UNITED STATES
DEPARTMENT OF THE INTERIOR
FISH AND WILDLIFE SERVICE

ECOLOGICAL SERVICES
3616 W. Thomas, Suite 6
Phoenix, Arizona 85019
April 13, 1990

2-21-89-F-91

Memorandum

To: Regional Director, National Park Service, San Francisco, CA

From: Acting Field Supervisor

Subject: Amendment to Biological Opinion - Issuance of Permit to Arizona Game and Fish Department to Collect Humpback Chub in Grand Canyon National Park, Coconino County, Arizona

This amends our April 26, 1989 biological opinion on issuance of a National Park Service (NPS) permit to Arizona Game and Fish Department (AGFD) personnel to collect humpback chub (*Gila cypha*) in Grand Canyon National Park.

On April 12, 1990, you requested formal Section 7 consultation regarding the issuance a 1990 NPS collecting permit to AGFD based on activities identified in their 1990 Scope of Work for the Grand Canyon Humpback Chub and Razorback Sucker Monitoring Project, dated February 8, 1990. Activities are similar to those considered in the 1989 biological opinion with the exception of the temporary bi-directional fish weir to be constructed across the entire channel of the Little Colorado River. Discussions with AGFD and this office on April 12 resulted in the decision to not employ the weir during this Spring season (April through June).

This amendment extends the collecting period until December 31, 1990, and permits the taking of no more than 50 adult humpback chubs as a result of incidental mortalities and purposefully taken specimens. These specimens will be taken in specific size ranges and from specific locations to bridge data gaps in age distribution. Our biological opinion, that the issuance of the permit is not likely to jeopardize the continued existence of the humpback chub, remains unchanged.

Thank you for your interest in conserving endangered species. If we can be of further assistance, please contact Frank Baucom or Sam Spiller, Field Supervisor (Telephone: 602/379-4720 or FTS 261-4720).

Sue Rutman
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cc: Director, Arizona Game and Fish Department, Phoenix, AZ
Superintendent, Grand Canyon National Park, Grand Canyon, AZ
Regional Director, Fish and Wildlife Service, Albuquerque, NM (FWE/HC)
Regional Director, Fish and Wildlife Service, Denver, CO (FWE)
Chief, Endangered Species and Habitat Conservation, Fish and Wildlife Service, Washington, D.C.
Hatchery Manager, Dexter National Fish Hatchery, Dexter, NM
Project Manager, Glen Canyon Environmental Studies, Bureau of Reclamation, Salt Lake City, UT

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F.Baucom NPSBO.413

bcc: Jim deVos, AGFD, Phoenix
Dean Hendrickson, AGFD, Phoenix
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Dave Wegner, GCES, Flagstaff
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