



FEDERAL FISH AND WILDLIFE PERMIT

1. PERMITTEE

UNIVERSITY OF FLORIDA
WILDLIFE, ECOLOGY, AND CONSERVATION
110 NEWINS-ZIEGLER HALL
P.O. BOX 110430
GAINESVILLE, FL 32611
U.S.A.

2. AUTHORITY-STATUTES
16 USC 1539(a)

REGULATIONS
50 CFR 17.22

50 CFR 13

3. NUMBER
TE212896-1 AMENDMENT

4. RENEWABLE
 YES
 NO

5. MAY COPY
 YES
 NO

6. EFFECTIVE
07/15/2010

7. EXPIRES
07/01/2012

8. NAME AND TITLE OF PRINCIPAL OFFICER (If #1 is a business)

WILLIAM E. PINE, III
ASSISTANT PROFESSOR

9. TYPE OF PERMIT

NATIVE ENDANGERED SP. RECOVERY - E WILDLIFE

10. LOCATION WHERE AUTHORIZED ACTIVITY MAY BE CONDUCTED

Within the Colorado River through Grand Canyon, Arizona

11. CONDITIONS AND AUTHORIZATIONS:

A. GENERAL CONDITIONS SET OUT IN SUBPART D OF 50 CFR 13, AND SPECIFIC CONDITIONS CONTAINED IN FEDERAL REGULATIONS CITED IN BLOCK #2 ABOVE, ARE HEREBY MADE A PART OF THIS PERMIT. ALL ACTIVITIES AUTHORIZED HEREIN MUST BE CARRIED OUT IN ACCORD WITH AND FOR THE PURPOSES DESCRIBED IN THE APPLICATION SUBMITTED. CONTINUED VALIDITY, OR RENEWAL, OF THIS PERMIT IS SUBJECT TO COMPLETE AND TIMELY COMPLIANCE WITH ALL APPLICABLE CONDITIONS, INCLUDING THE FILING OF ALL REQUIRED INFORMATION AND REPORTS.

B. THE VALIDITY OF THIS PERMIT IS ALSO CONDITIONED UPON STRICT OBSERVANCE OF ALL APPLICABLE FOREIGN, STATE, LOCAL OR OTHER FEDERAL LAW.

C. VALID FOR USE BY PERMITTEE NAMED ABOVE.

D. Your permit has been amended. The terms and conditions set forth in the original permit dated June 22, 2009, and any subsequent amendments or renewals are hereby superseded by this document.

E. Acceptance of this permit serves as evidence that the Permittees agree to abide by the "General Conditions for Native Endangered and Threatened Wildlife Species Permits" (copy attached).

F. Acceptance of this permit serves as evidence that the Permittees agree to abide by all conditions stated. **Some terms and conditions within this permit may have changed, either to reflect the most current language available or in response to requests by applicants or requirements by species' lead biologist(s).** Terms and conditions of this permit are inclusive. Any activity not specifically permitted is prohibited. Please read through these conditions carefully as violations of permit terms and conditions could result in your permit being revoked or denial of a new permit when the current one expires. Violations of your permit terms and conditions which contribute to a violation of the Endangered Species Act (ESA) could also subject the Permittee to criminal or civil penalties.

ADDITIONAL CONDITIONS AND AUTHORIZATIONS ALSO APPLY

12. REPORTING REQUIREMENTS

ANNUAL REPORT DUE: 12/15

ISSUED BY

TITLE

ASSISTANT REGIONAL DIRECTOR - ECOLOGICAL SERVICES

DATE

07/15/2010

G. Disposal, transplant, or release of live wildlife/plants or plant parts taken or held under the terms of this permit, unless specifically authorized, requires prior written approval by the species lead U.S. Fish and Wildlife Service (USFWS) office. You must dispose of dead wildlife/plants or plant parts as specified by the terms of this permit. If terms are not specified, they can be destroyed or transferred to a public institution. A copy of the permit and this letter, along with a cover letter referencing your permit number, must accompany each shipment and must be retained with the specimens. The cover letter must specify who will receive the specimens and the numbers involved. A copy of the letter must be furnished to the following addresses:

U.S. Fish and Wildlife Service
Regional Office
Division of Endangered Species - Section 10 Permits
P.O. Box 1306
Albuquerque, New Mexico 87103
505/248-6665 or 505/248-6920

Arizona Ecological Services Field Office
2321 W. Royal Palm Road, Suite 103
Phoenix, Arizona 85021-4951
602/242-0210

Arizona Fish and Wildlife Conservation Office
323 N. Leroux, Suite 401
Flagstaff, Arizona 86001
928/226-1289 ext 113

A copy should also be retained in your files. Transfers deviating from the above conditions require prior written approval by the USFWS.

H. *Unless otherwise instructed within the species-specific language below*, an **annual report** based on each species and activity conducted under the authority of this permit (including where activities took place, number and location of species collected/captured, and field data forms, if appropriate) must be submitted to the respective **Ecological Services Field Office (ESFO)** listed above, including negative data (i.e., negative survey findings or lack of breeding success). If no activities were conducted under this permit, for one or more species during the calendar year, a report stating such will satisfy the annual reporting requirements. The annual report should also include recovery permit number, species' common and scientific name, date of survey, observer, observer contact information (in case of questions), location (provide GPS or UTM coordinates, or Township and Range and at least quarter Section), number of individuals observed, their sex, age class, and breeding condition, if known or determined in recovery permit report for all surveys conducted. If habitat quality/condition was noted at time of survey, please include that information. Annual reports may also be submitted on a CD. Failure to submit a report, or failure to submit an adequate report, is a violation of the permit and is cause for suspension or revocation of the permit. A violation may disqualify a person from receiving or exercising the privileges of a permit as long as the deficiency exists.

Data collected in lat/long, NAD 83 is preferred. If collected in an alternate coordinate system, please report the coordinate system and datum the information was collected in. Optional information that can be included to help further define the precision of the locational information includes: 1) Positional Dilution of Precision (PDOP) level at time of acquisition, and 2) whether the Wide Area Augmentation System (WAAS) was enabled.

I. An annual report transmittal letter is the only document to be submitted to the **Regional Office**, Division of Endangered Species - Section 10 Permits, Albuquerque, NM at the above address (or to the following electronic mailing address: FW2_TE_Permits@fws.gov on or before December 15 of each year (unless date is otherwise

stated). The transmittal letter should state the following information: name of field office(s) and name of species where data was forwarded; date report(s) sent to field office; and list of species for which no activities were conducted, if applicable.

*If an amendment or renewal request is also needed at this time, please make sure the annual report transmittal letter and request(s) are submitted under separate cover. **Do not include permit requests along with annual reports.***

J. Copies of any unpublished or published reports generated by the study and other data that would be useful for the conservation or recovery of the species should also be submitted to the ESFO(s). The reports should include one copy of USGS 7.5 minute quad sheets or larger scale maps, depicting sites where listed species covered by this permit were found or not found. These reports may be disclosed pursuant to the Freedom of Information Act.

K. Should any mortality or physical injury occur to an individual of the species during permitted activities (above the amount that may be specified below for a specific species) all operations must immediately cease and you are required to contact the appropriate ESFO(s) above within 24 hours.

L. Please note that this permit is limited to the activities and species described below and is functional only when used in combination with a valid state permit.

M. Activities involving migratory birds and their parts (see 50 CFR 10, Migratory Bird Treaty Act (16 USC 703 et seq.) and implementing Regulations at 50 CFR 21) or bald and golden eagles (see Bald and Golden Eagle Protection Act (16 USC 668a) and 50 CFR 22), may require additional permits or authorizations. Please contact the respective Regional Migratory Bird Permit Office for additional information at:
<http://www.fws.gov/permits/contacts/contacts.shtml>.

N. This permit does not, either directly or by implication, allow, or grant right of trespass. Permission to enter lands must be obtained in writing from the landowner or land managing agency.

O. If conducting research on a National Wildlife Refuge, you must obtain a refuge special use permit. The refuge permit will need to be used in conjunction with this permit and a valid state permit in order to meet all applicable laws.

P. You must furnish the USFWS, Division of Endangered Species - Section 10 Permits (address above) with a copy of the permit issued to you by the Indian Tribal Government(s) prior to conducting research and recovery activities on Tribal lands.

Q. You must have a copy of this permit and any other pertinent information in your possession while conducting the authorized activities.

R. A request for **renewal**, if appropriate, must be submitted to the USFWS Division of Endangered Species - Section 10 Permits (at the above address) at least 30 days prior to the expiration date of the current permit. Any person holding a valid, renewable permit who submits a written request (application form 3-200-55) for renewal at least 30 days prior to the expiration date, may continue to conduct those activities under the expired permit while the USFWS takes action on such person's request for renewal.

All requests to renew, amend, or obtain a new permit will require submittal of an application. The application may be obtained by going to the following website: <http://forms.fws.gov/3-200-55.pdf>. Please submit this application and a cover letter describing your request to the attention of the Section 10 Coordinator located in the Regional Office. The address is listed under condition G above. If you wish to confirm your application request was received, please send your application via certified mail or Federal Express, or provide an e-mail address for

electronic notification.

HUMPBACK CHUB

S. William E. Pine III, Josh Korman, Mike S. Allen, Karin E. Limburg, Thomas K. Frazer, Andrew C. Dutterer, and Colton Finch (Permittees) are authorized to conduct targeted surveys for humpback chub (*Gila cypha*) in the Colorado River through Grand Canyon, Arizona. The following conditions also apply:

1. Collection of humpback chub for otolith analyses is contingent upon adequate Tribal consultation and input from the Colorado River and Grand Canyon Tribes.
2. To avoid potential overlap and overharvest, Permittees are not authorized to collect fish in the Little Colorado River during July 2010 due to conflicts with other collection trips for translocations and refuge populations.
3. Permittees are to work closely with the National Park Service and the USFWS to avoid collection overlaps for fish in October 2010.
4. Deliberate and incidental take for humpback chub collectively cannot exceed 170 fish total in 2010. Deliberate take is authorized per the April 26th, 2010, letter with the exceptions noted under conditions S.2, S.6, and S.7. Incidental take limits are as follows:
 - <100mm: 40 humpback chub
 - 101-250mm: 20 humpback chub
 - >251mm: 5 humpback chub
5. Amendment for direct take is issued for 2010 only. Direct take for 2011 is not authorized until results and population numbers of humpback chub are evaluated and will be determined in spring 2011.
6. In 2010, a limit of (20) Age-class 1 fish with lengths ranging from 80-150 mm is authorized between to avoid overharvest.
7. In order to protect translocated humpback chub population, Permittees are not authorized to collect fish above the Atomizer/Chute Falls complex (river KM 13.57).

End Permit TE212896-1