

RICHARD I. NEWSOM

YOKLEY 1986
FILE COPY

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L. P. Dingle	

JAN 22 1986

In Reply Refer to:
FWS/FWPO PRT-702299

Paul Yokley, Jr., Ph.D.
Professor of Biology
University of North Alabama
P.O. Box 5153
Florence, Alabama 35632-0001

Dear Dr. Yokley:

This letter is written in response to your November 26, 1985, application to this office for a permit to survey birdwing pearly mussel (Conradilla caelata) and Cumberland monkeyface mussel (Quadrula intermedia) and transplant a number of birdwing pearly mussel to sites in Tennessee and Alabama for enhancement of the survival of the species.

Due to the recent issuance of comprehensive Regional Permits, your application, and many other applications involving take of native listed species, should be reviewed by personnel in regional offices for consideration of a subpermit under the Service's Regional Permit. In this case, the appropriate office is that of the Assistant Regional Director/Federal Assistance, Atlanta, Georgia.

To facilitate review of your application, we are transferring your file to the above-mentioned office for their review.

Any further questions you may have regarding review of your application should be directed to Mary Ann Young, U.S. Fish & Wildlife Service, 75 Spring Street, S.W., The Richard B. Russell Federal Building, Atlanta, Georgia 30303 (404-331-3580).

Thank you for your cooperation.

Sincerely,

L. Larry LaRochelle

Larry LaRochelle
Acting Chief, Branch of Permits
Federal Wildlife Permit Office

cc: FWPO RF(2), FWPO Surname, FWPO Hold, RD#4, AFA RF-Rm.3024
FWPO:SRedeagle:sll 1/17/86 (V-1)

as I recall

CONVERSATION RECORD

TIME

DATE

1/13/86

TYPE

VISIT

CONFERENCE

TELEPHONE

INCOMING

OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Mary Ann Young

ORGANIZATION (Office, dept., bureau, etc.)

OES-4

TELEPHONE NO.

331-3580

SUBJECT

Osark Cavefish, No Alabama - Yokley applications.

SUMMARY

Send the applications to Mary Ann & deny them here in this office.

Mary Ann says the Ashville office will handle the Yokley application.

They (Reg 4, & Jackson MS office in particular) were very interested in the Osark cavefish application.

ACTION REQUIRED

Withdraw 701838 (OSARK CAVEFISH), 702299 (Yokley) and send original applications to Mary Ann.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

S. Ridings

DATE

1/13/86

ACTION TAKEN

SIGNATURE

TITLE

DATE



United States Department of the Interior

FISH AND WILDLIFE SERVICE

WASHINGTON, D.C. 20240

ADDRESS ONLY THE DIRECTOR,
FISH AND WILDLIFE SERVICE

FL-1

Date: 12/16/85

Dr. Paul Yokley, Jr
Prof of Biology
U of North Alabama
P.O. Box 5153
Florence, AL 35632-0001

Dear Dr. Yokley:

Thank you for your recent request about requirements for a Federal Wildlife or Plant Permit.

Application forms for _____ are enclosed. The application should be completed as fully as possible and submitted with a fee of \$25 \$100 to the Wildlife Permit Office, 1000 N. Glebe Road, Room 611, Arlington, Virginia 22201.

You have submitted an application for _____ but it cannot be evaluated until you:

Provide the required fee of \$25.00 \$100.00.

Sign and date the application

Respond to _____ of the application.

Reply to the remarks section below.

Remarks:

--- Please explain the method of "hand-dredging" that you state will be used;

--- Please elaborate on parasitizing host fish, which species (mussel, fish), + which tributaries are involved;

--- Please furnish signed statement amending your application to include the Elk river as a possible transplant location if you want that also included in your application at _____

If we do not get the information requested above within 60 days, your ^{this time} incomplete application will be abandoned and placed in our inactive files. You may refer to the abandoned application if you reapply later.

Please feel free to contact Biologist Sandra Reddy if you have any further questions: Wildlife Permit Office, U.S. Fish & Wildlife Service, 1000 N. Glebe Road, Room 611, Arlington, Virginia 22201 (703/235-1903).

IN YOUR REPLY PLEASE REFER TO PRT - 702299

DATE SENT 1-15-86
FITZ, TERRY

Dear Sandra Redeagle,

The method of hand dredging is using a garden rake with a basket behind the rake to pick up gravel and possible mussels located in the area sampled. This will be done in shallow areas where wading is possible of the Duck River. The rake will be pulled by the handle along the bottom for about 1 foot and sample in basket analyzed for mussel presence.

The host fish known for Conradilla caelata is Otheostoma zonale and areas only where this fish host occurs will be transplant sites. Preanalysis of the transplant sites will be determined and that is the reason for using several streams as possible transplant sites. If other fish species are susceptible hosts for the Conradilla glochidia these could also be used.

The Elk River has had Conradilla caelata occurring there in very small numbers. If a location in the Elk R. checks out to have all known essentials for survival of the mussel Conradilla caelata it may also be used.

Paul Gokley, Jr.
Professor of Biology

TENNESSEE VALLEY AUTHORITY

KNOXVILLE, TENNESSEE 37902

JAN 7 1986

Ms. Sandra Redeagle
Branch of Permits
Federal Wildlife Permit Office
U.S. Fish and Wildlife Service
1000 N. Glebe Road, Room 611
Arlington, Virginia 22201

*Mailed week of
January 13
SR*

Dear Ms. Redeagle:

Pursuant to my January 7 telephone conversation with Susan Lawrence,
please send me information necessary to review permit application

#PRT-701648.

702299

Thank you for your assistance.

Sincerely,

Richard B. Fitz

Richard B. Fitz, Supervisor
Environmental Analysis Section

CONVERSATION RECORD

TIME

DATE

1-67-85

TYPE

 VISIT CONFERENCE TELEPHONE INCOMING OUTGOING

ROUTING

NAME/SYMBOL INT

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU

Dick Fitz

ORGANIZATION (Office, dept., bureau, etc.)

TVA

TELEPHONE NO.

8-
856-6689

SUBJECT

No. Alabama U.

701648

SUMMARY

Wants a copy of the application and will probably have comments.

He will send a written request for the material, but I said we'd go ahead and copy it and send it now.

ACTION REQUIRED

Sandra, please handle.

NAME OF PERSON DOCUMENTING CONVERSATION

SIGNATURE

Lawrence

DATE

1-7-85

ACTION TAKEN

SIGNATURE

TITLE

DATE

CONVERSATION RECORD TIME 3:30 DATE 12-11-85

TYPE VISIT CONFERENCE TELEPHONE INCOMING OUTGOING

Location of Visit/Conference:

NAME OF PERSON(S) CONTACTED OR IN CONTACT WITH YOU: Dr. Yokley
 ORGANIZATION (Office, dept., bureau, etc.): U of N. A.
 TELEPHONE NO.: 205-766-4100 x437
 SUBJECT: # 702299

ROUTING	
NAME/SYMBOL	INITIALS

SUMMARY
 No dredging will be done, only removed or just documented. Possible transplant to Cypress Creek, Lauderdale County, Alabama from Duck River, Maury County, Tennessee.

12/16/85: Questions: What is hand dredging?
 Your application is for take
 Send in amendt, w/ signature adding Elk Creek to application
 Also state procedure for host parasitizing - which Creeks, which mussel species.

ACTION REQUIRED: Wait for reply to F-1, send out for review

NAME OF PERSON DOCUMENTING CONVERSATION: SIGNATURE: Sandra Redaugh DATE: 12-11-85

ACTION TAKEN

SIGNATURE TITLE DATE

DISTRIBUTION OF FEDERAL REGISTER NOTICES
 ENDANGERED SPECIES - MARINE MAMMALS

DATE SENT 1/8/89

TYPE APPLICATION	CHK.	OFFICE
E <u>1/</u> M <u>2/</u>	X	Applicant
E	X	Office of Solicitor
E	X	Public Affairs
E		Directorate Reading File
M		Marine Mammal Commission

1/ - Endangered/Threatened/CSSP/Application

2/ - Marine Mammal Application

Fish and Wildlife Service

Notice of Receipt of Application for Permit

The following applicants have applied for permits to conduct certain activities with endangered species. This notice is provided pursuant to section 10(c) of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531, *et seq.*):

PRT-702036

Applicant: John Sutterlin, Auburn, WA

The applicant requests a permit to import 3.4 white-eared pheasants (*Crossoptilon crossoptilon*) from Harry J. Hardy, South View Avaries, Burnaby, British Columbia, for the purpose of enhancement of propagation.

PRT-702031

Applicant: San Diego Zoological Society, San Diego, CA

The applicant requests a permit to offer for sale in foreign commerce six Przewalski's horses (*Equus przewalskii*) to the Chinese Forestry Department, People's Republic of China, for the purpose of enhancement of propagation.

PRT-684687

Applicant: Dr. Jerome A. Jackson, Mississippi State, MS

The applicant requests an amendment to his endangered species permit, PRT-684687, to allow for the capture, banding, and color banding of red-cockaded woodpeckers (*Picoides borealis*) in Fork Polk and the D'Arbonne National Wildlife Refuge in Louisiana for the purpose of scientific research.

PRT-701572

Applicant: Peregrine Fund, Inc., Ithaca, NY

The applicant requests a permit to import up to 6 Mauritius Kestrels (*Falco punctatus*) from the Government of Mauritius aviaries, Black River, Mauritius to establish a separate breeding colony for enhancement of population and protection of the species.

PRT-700592

Applicant: Hugh Kauer, Warren, MI

The applicant requests a permit to import the personal sport-hunted trophy of a bontebok (*Damaliscus dorcas dorcas*), culled from the captive herd of Mr. J. D'Alton of Bredasdorp, South Africa, for the purpose of enhancement of propagation.

PRT-701830

Applicant: George E. Norris, Bodfish, CA

The applicant requests a permit to import two white-eared pheasants (*Crossoptilon crossoptilon*) from Harry Hardy, Burnaby, British Columbia, Canada, for the purpose of enhancement of propagation.

PRT-698692

Applicant: Harvard Museum of Comparative Zoology, Cambridge, MA

The applicant requests a permit to export and reimport nonliving museum specimens of endangered or threatened species, accessioned into university collection, for research purposes.

PRT-702299

Applicant: University of North Alabama, Florence, AL

The applicant requests a permit to survey while wading or diving or sample by hand dredging, birdwing pearly mussel (*Conradilla caelata*) and Cumberland monkeyface mussel (*Quadrula intermedia*) in the Duck River, Tennessee; and to use a number of birdwing pearly mussel to parasitize host fish and/or transplant to Cypress Creek, Alabama, and Elk Creek, Tennessee for propagation of the species.

PRT-701048

Applicant: International Animal Exchange, Ferndale, MI

The applicant requests a permit to purchase in interstate commerce a pair of ocelots (*Felis pardalis*) and export said animals to Dianne Best, Anola, Manitoba, Canada, for enhancement of propagation.

PRT-702154

Applicant: Caldwell Schools, Inc., Tyler, TX

The applicant requests a permit to purchase in interstate commerce from the Los Angeles Zoo an ocelot (*Felis pardalis*) for enhancement of propagation.

PRT-702151

Applicant: U.S. Bureau of Land Management and the California Energy Commission, Sacramento, CA

The applicant requests a permit to take (capture, band, attach radio transmitters) bald eagles (*Haliaeetus leucocephalus*) in California for the purpose of scientific research.

PRT-702349

Applicant: Los Angeles Zoo, Los Angeles, CA

The applicant requests a permit to import up to 20 golden-headed tamarins (*Leontopithecus chrysomelas*) from Brazilian Institute of Forestry Development (IBDF), Brazil, for the purpose of enhancement of propagation.

Documents and other information submitted with these applications are available to the public during normal business hours (7:45 am to 4:15 pm) Room 611, 1000 North Glebe Road, Arlington, Virginia 22201, or by writing to the Director, U.S. Fish and Wildlife Service of the above address.

Interested persons may comment on any of these applications within 30 days of the date of this publication by submitting written views, arguments, or data to the Director at the above address. Please refer to the appropriate PRT number when submitting comments.

Dated: December 19, 1985.

Larry LaRochelle,

Acting Chief, Branch of Permits, Federal Wildlife Permit Office.

[FR Doc. 85-30381 Filed 12-23-85; 8:45 am]

BILLING CODE 4310-55-M

Surname

J. Redagle

U.S. DEPARTMENT OF THE INTERIOR

Fish and Wildlife Service

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Applicant: Dr. Jerome A. Jackson Mississippi State, MS PRT- 684687

The applicant requests an amendment to his endangered species permit, PRT-684687, to allow for the capture, banding, and color banding of red-cockaded woodpeckers (Picoides borealis) in Fort Polk and the D'Arbonne National Wildlife Refuge in Louisiana for the purpose of scientific research.

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Florence, AL

PRT- 702299

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PRT- 701648

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Tyler, TX

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Interested persons may comment on any of these applications within 30 days of the date of this publication by submitting written views, arguments, or data to the Director at the above address. Please refer to the appropriate PRT number when submitting comments.

Date: DEC 19 1985

S/ Larry LaRochelle
Larry LaRochelle
Acting Chief, Branch of Permits
Federal Wildlife Permit Office

ENDANGERED OR THREATENED WILDLIFE & PLANTS

COMPLETE THE FOLLOWING:

- a. Species: Conradilla caelata Pearly Birdwinged mussel
Quadrula intermedia Monkey face mussel
(scientific and common names)
to be counted &
- b. Quantity: transplanted c. Birth date and sex of wildlife: several years of age both male & female for
- d. Identifying features of wildlife (e.g., tattoo #, ISIS #, scars, etc.):
Shelled and rugose mussels. Not confused with any other species.

e. Name and address of party from whom wildlife or plant will be obtained:
Not applicable

- f. At time of application, wildlife or plant (i) is still in the wild ___; (ii) has been removed from the wild ___; or (iii) was born in captivity or artificially propagated ___. Provide country and specific location of wild origin or captive propagation: U.S. Tennessee River tributaries in Tennessee
Duck R. above Columbia, Tenn., Elk R near Fayetteville, and Cypress Creek in north Ala

ATTACH THE FOLLOWING INFORMATION ON PLAIN WHITE PAPER:

- g. A description of your attempts to obtain the wildlife or plant in a manner which would not cause death or removal from the wild (i.e., the use of specimens currently in captivity or produced in captivity, etc.).
- h. Name and address of institution or facility where wildlife or plant will be used, displayed or maintained.
- i. A statement justifying the permit including: 1) purpose, objectives, whether similar work has already been done, and methods (attach research proposals, if appropriate), 2) resume of the technical expertise of the persons conducting the activities, and 3) planned disposition of specimens upon termination of activities.
- j. Copies of contracts and agreements that identify duration of activities and persons involved in the activities for which the permit is sought. Will funding be available for the completion of the proposed activity?
- k. Copy of any foreign, state or other Federal permits required. (Note: If species is listed on Appendix I of CITES, and you plan to export a specimen, send a copy (or evidence of issuance) of the CITES import permit issued by the Management Authority of the country to which you plan to export it; this is not required for specimens that qualify under CITES criteria as Pre-Convention, Captive-bred or Artificially Propagated.)
1. If live wildlife or plants to be covered by the permit are to be held in captivity:
1. Give a complete description, including photographs and/or diagrams, of the area and facilities where wildlife or plant will be held and/or maintained in captivity and describe arrangements for care during transportation and maintenance, if applicable.
 2. Resume of persons who will care for live specimens including any experience they have had in raising, caring for, and propagating similar wildlife or plants.
 3. List mortalities resulting from your activities with these or similar species in the last 5 years and describe the steps taken to alleviate recurrent problems.
 4. Indicate your willingness to participate in a cooperative breeding or propagation program or to contribute data to a studbook, if applicable.
 5. If born in captivity or artificially propagated outside your facility, provide certification of such from breeder or propagator.
 6. If the planned activity includes import or export and the species are listed under CITES, describe the type, size and construction of any shipping containers and the arrangements for watering and otherwise caring for the wildlife or plants during transportation.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
WASHINGTON, D.C. 20240

ADDRESS ONLY THE DIRECTOR,
FISH AND WILDLIFE SERVICE

FL-1

Date: 12/11/85

Dr. Paul Yokley, Jr.
Prof. of Biology
U. of North Alabama
P.O. Box 5153
Florence, AL 35632-0001

Dear Dr. Yokley:

Thank you for your recent request about requirements for a Federal Wildlife or Plant Permit.

Application forms for _____ are enclosed. The application should be completed as fully as possible and submitted with a fee of \$25 \$100 to the Wildlife Permit Office, 1000 N. Glebe Road, Room 611, Arlington, Virginia 22201.

You have submitted an application for an Endangered Species permit but it cannot be evaluated until you:

Provide the required fee of \$25.00 \$100.00.

Sign and date the application

Respond to question f on the reverse of the application.

Reply to the remarks section below.

Remarks:

Which tributaries of the Tennessee River will you be using--you mention Duck River only in your application. Do both species of mussels occur in the same tributaries? (Perhaps that question cannot be answered until completion of the survey but which tributaries are you surveying and for which species?) Have critical habitats been established for either species, if so are you surveying/transplanting in those habitats? exactly where do you think you will be working? *Which counties?*

If possible use a local map to show locations.

The map when a survey will be made is on its way to you. Both species historically inhabit Duck R. but Quadrula is extremely rare still present. Areas where C. caelata do not now occur may be selected for transplants, as will areas of Elk R. and Cypress Creek. Cypress is a tributary of the Tenn. R. in Claiborne Co., Ala. (See other side)

If we do not get the information requested above within 60 days, your incomplete application will be abandoned and placed in our inactive files.

You may refer to the abandoned application if you reapply later.

Sandra Redeagle

Please feel free to contact Biologist SANDRA REDEAGLE if you have any further questions: Wildlife Permit Office, U.S. Fish & Wildlife Service, 1000 N. Glebe Road, Room 611, Arlington, Virginia 22201 (703/235-1903).

IN YOUR REPLY PLEASE REFER TO PRT - 702299


Duck R. above Columbia, Tenn. is critical habitat and my task there is to determine how the species is faring and how dense the populations are

If after a search is made for the habitat that an area is found which may contain the essential requirements for C. caelata which I have not listed I shall notify you before transplants are made.

SEND TO:
 Director, U.S. Fish and Wildlife Service
 FWPO, 1000 N. Glebe Road, Room 611
 Arlington, VA 22201
 Call 703/235-1903 for help or information

WFOI

OMB NO. 42-R1670

 <p>DEPARTMENT OF THE INTERIOR U.S. FISH AND WILDLIFE SERVICE FEDERAL FISH AND WILDLIFE LICENSE/PERMIT APPLICATION</p>	<p>1. APPLICATION FOR (Indicate only one)</p> <p><input type="checkbox"/> IMPORT OR EXPORT LICENSE <input checked="" type="checkbox"/> PERMIT</p>													
	<p>2. BRIEF DESCRIPTION OF ACTIVITY FOR WHICH REQUESTED LICENSE OR PERMIT IS NEEDED.</p> <p>ENDANGERED/THREATENED SPECIES</p> <p><input checked="" type="checkbox"/> Census <input type="checkbox"/> Take <input type="checkbox"/> Import <input type="checkbox"/> Export <input type="checkbox"/> Interstate Commerce</p>													
<p>3. APPLICANT. (Name, complete address and phone number of individual, business, agency, or institution for which permit is requested)</p> <p>Paul Yokley, Jr., PhD Professor of Biology University of North Alabama P. O. Box 5153 Florence, Alabama 35632-0001 (205) 766-4100 Ext. 437</p>														
<p>4. IF "APPLICANT" IS AN INDIVIDUAL, COMPLETE THE FOLLOWING:</p> <table border="1"> <tr> <td><input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MISS <input type="checkbox"/> MS.</td> <td>HEIGHT</td> <td>WEIGHT</td> </tr> <tr> <td>DATE OF BIRTH</td> <td>COLOR HAIR</td> <td>COLOR EYES</td> </tr> <tr> <td>PHONE NUMBER WHERE EMPLOYED</td> <td colspan="2">SOCIAL SECURITY NUMBER</td> </tr> <tr> <td colspan="3">OCCUPATION</td> </tr> </table> <p>ANY BUSINESS, AGENCY, OR INSTITUTIONAL AFFILIATION HAVING TO DO WITH THE WILDLIFE TO BE COVERED BY THIS LICENSE/PERMIT</p>			<input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MISS <input type="checkbox"/> MS.	HEIGHT	WEIGHT	DATE OF BIRTH	COLOR HAIR	COLOR EYES	PHONE NUMBER WHERE EMPLOYED	SOCIAL SECURITY NUMBER		OCCUPATION		
<input type="checkbox"/> MR. <input type="checkbox"/> MRS. <input type="checkbox"/> MISS <input type="checkbox"/> MS.	HEIGHT	WEIGHT												
DATE OF BIRTH	COLOR HAIR	COLOR EYES												
PHONE NUMBER WHERE EMPLOYED	SOCIAL SECURITY NUMBER													
OCCUPATION														
<p>5. IF "APPLICANT" IS A BUSINESS, CORPORATION, PUBLIC AGENCY, OR INSTITUTION, COMPLETE THE FOLLOWING</p> <p>EXPLAIN TYPE OR KIND OF BUSINESS, AGENCY, OR INSTITUTION</p> <p>Public State supported Educational Institution</p>														
<p>6. LOCATION WHERE PROPOSED ACTIVITY IS TO BE CONDUCTED</p> <p>Duck River in Tennessee near Columbia, Tennessee. Especially the area of Duck R. that occurs where impoundment of the new Columbia dam would occur.</p>														
<p>7. DO YOU HOLD ANY CURRENTLY VALID FEDERAL FISH AND WILDLIFE LICENSE OR PERMIT? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (If yes, list license or permit numbers)</p> <p>Federal Bird Banding Permit Permit Number 20715</p>														
<p>8. IF REQUIRED BY ANY STATE OR FOREIGN GOVERNMENT, DO YOU HAVE THEIR APPROVAL TO CONDUCT THE ACTIVITY YOU PROPOSE? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO (If yes, list jurisdictions and type of documents)</p> <p>Am now applying to state of Tennessee for permit.</p>														
<p>9. CHECKED CHECK OR MONEY ORDER (if applicable) PAYABLE TO THE U.S. FISH AND WILDLIFE SERVICE ENCLOSED IN AMOUNT OF</p> <p>\$ 25.00</p>		<p>10. DESIRED EFFECTIVE DATE</p> <p>February 1986</p>												
<p>11. DURATION NEEDED</p> <p>Three (3) years</p>														
<p>12. ATTACHMENTS. THE SPECIFIC INFORMATION REQUIRED FOR THE TYPE OF LICENSE/PERMIT REQUESTED (See 50 CFR 13.12(b)) MUST BE ATTACHED. IT CONSTITUTES AN INTEGRAL PART OF THIS APPLICATION. LIST SECTIONS OF 50 CFR UNDER WHICH ATTACHMENTS ARE PROVIDED.</p> <p style="text-align: center;">SEE REVERSE</p> <p style="text-align: center;">CERTIFICATION</p> <p>I HEREBY CERTIFY THAT I HAVE READ AND AM FAMILIAR WITH THE REGULATIONS CONTAINED IN TITLE 50, PART 13, OF THE CODE OF FEDERAL REGULATIONS AND THE OTHER APPLICABLE PARTS IN SUBCHAPTER B OF CHAPTER I OF TITLE 50, AND I FURTHER CERTIFY THAT THE INFORMATION SUBMITTED IN THIS APPLICATION FOR A LICENSE, PERMIT IS COMPLETE AND ACCURATE TO THE BEST OF MY KNOWLEDGE AND BELIEF. I UNDERSTAND THAT ANY FALSE STATEMENT HEREIN MAY SUBJECT ME TO THE CRIMINAL PENALTIES OF 18 U.S.C. 1001.</p>														
<p>SIGNATURE (In ink) *</p> <p><i>Paul Yokley, Jr.</i></p>		<p>DATE</p> <p>Nov. 26, 1985</p>												

3-200
 (6-74)

* Applicant listed in 3 above or principal officer listed in 5 above must sign.

ENDANGERED OR THREATENED WILDLIFE & PLANTS

COMPLETE THE FOLLOWING:

- a. Species: Conradilla caelata Pearly Birdwinged mussel
Quadrula intermedia Monkey face mussel
(scientific and common names)
to be counted & both male & female few t
- b. Quantity: transplanted c. Birth date and sex of wildlife: several years of age
- d. Identifying features of wildlife (e.g., tattoo #, ISIS #, scars, etc.):
Shelled and rugose mussels. Not confused with any other species.
- e. Name and address of party from whom wildlife or plant will be obtained:
Not applicable
- f. At time of application, wildlife or plant (i) is still in the wild ___;
(ii) has been removed from the wild ___; or (iii) was born in captivity
or artificially propagated ___. Provide country and specific location of
wild origin or captive propagation: U.S. Tennessee River tributaries in Tennessee

ATTACH THE FOLLOWING INFORMATION ON PLAIN WHITE PAPER:

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- i. A statement justifying the permit including: 1) purpose, objectives, whether similar work has already been done, and methods (attach research proposals, if appropriate), 2) resume of the technical expertise of the persons conducting the activities, and 3) planned disposition of specimens upon termination of activities.
- j. Copies of contracts and agreements that identify duration of activities and persons involved in the activities for which the permit is sought. Will funding be available for the completion of the proposed activity?
- k. Copy of any foreign, state or other Federal permits required. (Note: If species is listed on Appendix I of CITES, and you plan to export a specimen, send a copy (or evidence of issuance) of the CITES import permit issued by the Management Authority of the country to which you plan to export it; this is not required for specimens that qualify under CITES criteria as Pre-Convention, Captive-bred or Artificially Propagated.)
- l. If live wildlife or plants to be covered by the permit are to be held in captivity:
1. Give a complete description, including photographs and/or diagrams, of the area and facilities where wildlife or plant will be held and/or maintained in captivity and describe arrangements for care during transportation and maintenance, if applicable.
 2. Resume of persons who will care for live specimens including any experience they have had in raising, caring for, and propagating similar wildlife or plants.
 3. List mortalities resulting from your activities with these or similar species in the last 5 years and describe the steps taken to alleviate recurrent problems.
 4. Indicate your willingness to participate in a cooperative breeding or propagation program or to contribute data to a studbook, if applicable.
 5. If born in captivity or artificially propagated outside your facility, provide certification of such from breeder or propagator.
 6. If the planned activity includes import or export and the species are listed under CITES, describe the type, size and construction of any shipping containers and the arrangements for watering and otherwise caring for the wildlife or plants during transportation.

2 The pearly birdwing mussel, Conradilla caelata, will be located in the survey search and left where located. Only a small number will be used to parasitize the host fish and/or transplanted in selected sites where the chance of survival is similar to the original habitat. Wading, diving and hand dredge sampling will be done to determine the presence of freshwater mussels.

University of North Alabama
P. O. Box 5153
Florence, Alabama 35632-0001

A small number of these freshwater mussels were transplanted in the early 1970's and will be searched for to determine degree of success at transplant site. Several years have elapsed since the survey of the Duck River has been made and this effort is to re-assess the numbers and locations of these mussels at present. Also new transplant attempts will be done to give the mussels the opportunity for success at other locations. *where?*

A renewed interest in the closing of the Columbia dam which will impound the sites where Conradilla caelata have been most concentrated is the major purpose of this research. It will provide current data on the status of the species.

No contract has been negotiated but the upper Duck River Association has contacted me for doing an assessment. I agreed to begin by applying for a permit to do a study. I have worked with the species in the Duck River before the endangered act came into existence. Additionally I have worked through T.V.A. with the species. Enclosed is my resume.

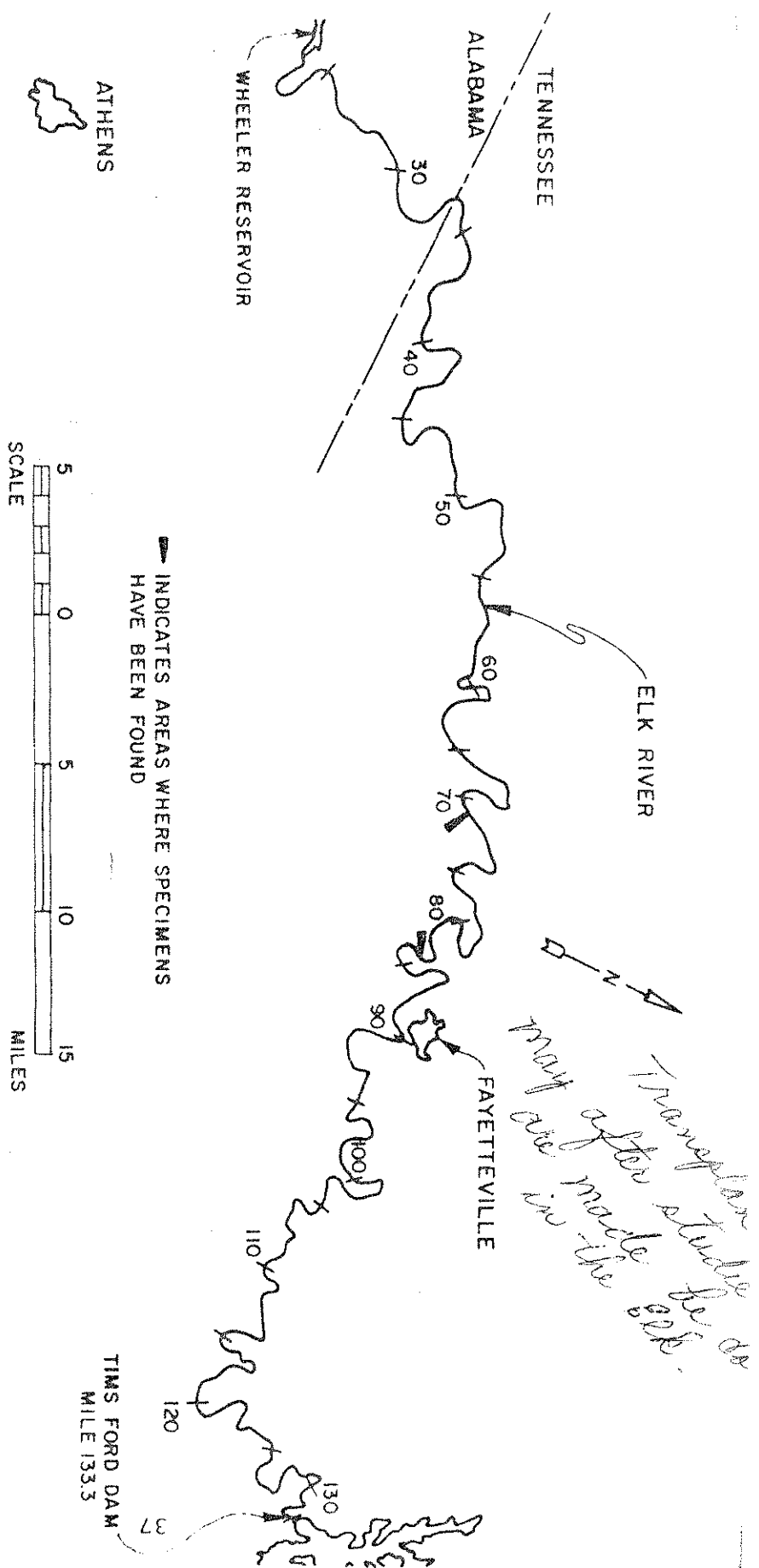


Figure 2: Elk River - Recent Locations for *CONRADILLA CAELATA*
(Conrad 1834)

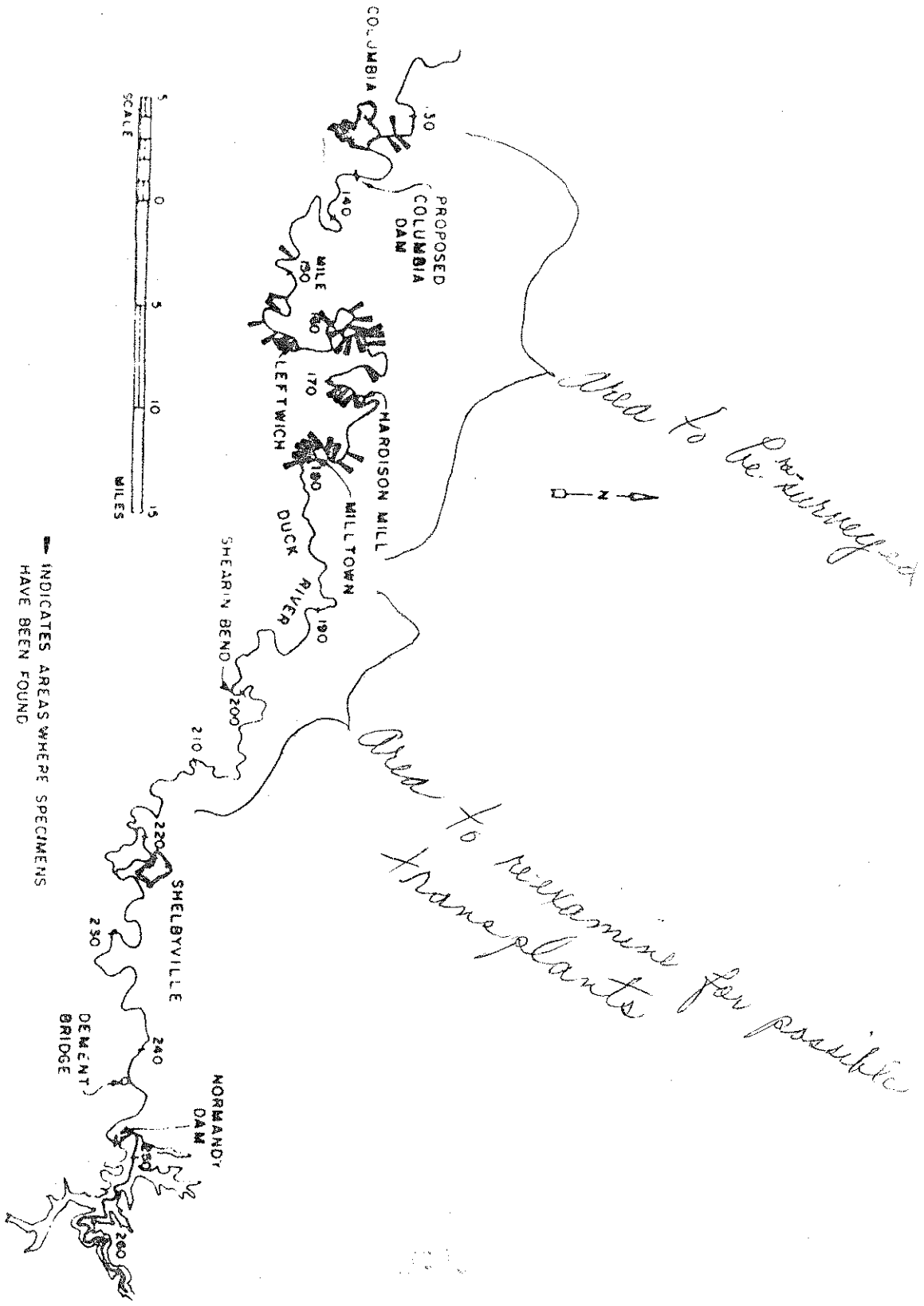


Figure 1: Duck River - Recent Locations for CONRADILLA CAELATA, (Conrad 1834)

RESUME OF PAUL YOKLEY, JR.

BIRTH DATE: August 3, 1923

BIRTH PLACE: Sumner County, Tennessee, in a rural farming community

FAMILY STATUS: Married, two children.

EDUCATION: Bachelor of Science from George Peabody College, Nashville, Tennessee, 1949. Major: Biology and Chemistry.

Master of Arts from George Peabody College, Nashville, Tennessee, 1950. Major: Biology, minor, Chemistry.

Doctor of Philosophy, 1968, The Ohio State University, Columbus, Ohio. Major: Zoology with Invertebrate Zoology emphasized.

FELLOWSHIPS: National Science Foundation Fellowship - 1960-1961.

POSITIONS: Veteran of World War II, Army Air Force 1944-1946.

Temporarily employed with Department of Agriculture Bureau of Plant Quarantine, Summer 1950.

Instructor in Biology, Florence State Teachers College, Florence, Alabama 1950-1953.

Assistant Professor of Biology, Florence State College, Florence, Alabama 1953-1968.

Professor of Biology, University of North Alabama, Florence, Alabama 1968-present.

PUBLICATIONS: 1968. The Mussel Fauna of Duck River in Tennessee, 1965. The American Midland Naturalist, 80(1):34-42 (with Billy G. Isom).

2 1968. Mussels of Bear Creek Watershed, Alabama, and Mississippi, with a Discussion of the Area Geology. The American Midland Naturalist, 79(1):189-196 (with Billy G. Isom).

3 1972. Life History of Pleurobema cordatum (Rafinesque 1820) (Bivalvia: Unionacea). Malacologia, 11(2):351-364.

1972. Freshwater Mussel Ecology, Kentucky Lake, Tennessee. Tennessee Game and Fish Commission, Nashville, Tennessee, pp. 133, pl.

4 1976. The Effect of Gravel Dredging on Mussel Production. Bulletin of the American Malacological Union, Inc. for 1976, pp. 20-22.

RESEARCH
EXPERIENCE:

1963-1975. Studied life histories of freshwater mussels and certain host fish species, for Tennessee Valley Authority.

1969-1972. Freshwater Mussel Ecology, Kentucky Lake, Tennessee for Tennessee Game and Fish Commission, Nashville, Tennessee, and the National Marine Fisheries Service.

1973. Environmental Assessment of Cypress Creek Watershed for U.S.D.A., Soil Conservation Service, Auburn, Alabama.

1974-1976. The Effect of Gravel Dredging on Reservoir Primary Production, Invertebrate Production, and Mussel Production for Tennessee Wildlife Resources Agency and NOAA, National Oceanic and Atmospheric Administration.

1976. A Survey of the mollusk fauna of the Tombigbee River for U.S. Corps of Engineers, Mobile, Alabama.

1977. Environment assessment concerning three species of mollusks in the Town Creek Watershed located in Franklin, Colbert, and Lawrence Counties, Alabama for U.S.D.A., Soil Conservation Service, Auburn, Alabama.

1977. Environmental Assessment of the representative macroscopic fauna in Spring Creek Watershed, Colbert and Franklin Counties, Alabama for U.S.D.A., Soil Conservation Service, Auburn, Alabama.

1977. Assessment of the mollusks in Big Nance Creek for U.S.D.A., Soil Conservation Service, Auburn, Alabama.

1978. Environmental assessment of two species of freshwater mollusks in the Spring Creek Watershed in Northwest Alabama for U.S.D.A., Soil Conservation Service, Auburn, Alabama.

1978. A Survey of the mollusk fauna of the Buttahatchie River in Alabama and Mississippi for U.S. Corps of Engineers, Mobile, Alabama.

1980. A Survey of the mollusk fauna of Bull Mountain Creek, Coalfire Creek, and Lubbub Creek, in Alabama and Mississippi for U.S. Corps of Engineers, Mobile, Alabama.

Consultant 1978-1979. Histopathology of the Rock fish, Morone saxatilis for Tennessee Valley Authority, Muscle Shoals, Alabama.

Consultant 1972-present. Litigation on Duck River and mollusk identification and histology. Mollusk identification and research.

1980. Survey of the Mollusks in the Coosa River, Alabama for Water and Air Research, Inc., Gainesville, Florida.

1981. Survey of the Tibbee River, Mississippi Mollusks. U.S. Corps of Engineers, Mobile, Alabama.

1981-1982. Consultant for the Water and Sewer Commission, City of Florence, Alabama.

HONORS:

1969 received the Annual Research Award of the Association of Southeastern Biologists which includes 14 southeastern states.

1972 received the Conservation Educator Award for state of Alabama from Governor Wallace.

SOCIETIES:

Phi Kappa Phi - Past president of local chapter, director 1979-1981.

Beta Beta Beta - Vice-president, Southeastern Region and Director, Western District since 1978. Counselor since 1953 of local chapter which received the National Bertholf Award for efficiency in 1972.

Alabama Education Ass'n - President 1979 and also past president of local chapter and delegate on several occasions to annual assembly.

Kappa Phi Kappa - Member

American Malacological Union - Member

Association of Southeastern Biologists - Past chairman and member of the Research Awards Committee. Elected in 1982 to the Executive Committee for 3 years.

Midwest Benthological Society - Member

American Fisheries Society - Voted as having an outstanding research paper in 1970.

American Institute of Fisheries Research Biologists - Fellow

AT UNA ELECTED:

Past member of Academic Senate and one of five members of the Executive Committee of this body.

Member of the Graduate Faculty

Past member of the Curriculum Committee for approximately 10 years.

Chairman of the Biology Graduate Committee

Past Pre-medical Committee for Advisement and Admissions

Member of the Graduate Council

Past member of the University Admissions Committee

Past member of the University committee appointed by the president to reorganize the college into separate schools in 1972.

TEACHING
RESPONSIBILITIES:

During my tenure at U.N.A. the following courses have been taught by me. General Biology, Human Anatomy and Physiology, Zoology, Invertebrate and Vertebrate, Entomology, Ornithology, Field Zoology, Microtechnique, Histology, Parasitology and General Physiology. Also teaching graduate courses and advisor for several graduate students have been a part of my work load.

GENERAL
QUALIFICATIONS:

My educational experiences include a broad background of course work which allows a comprehension of today's more specialized fields and majors. My specialty is freshwater mussel taxonomy and especially life history studies which involve fish and hosts. I have had 20 years experience in water quality assessment.



United States Department of the Interior

FISH AND WILDLIFE SERVICE
WASHINGTON, D.C. 20240

ADDRESS ONLY THE DIRECTOR,
FISH AND WILDLIFE SERVICE

FL-1

Date: 12/2/85

Dr. Paul Yokley, Jr.
Prof. of Biology
University of North Alabama
P.O. Box 5153
Florence, AL 35632-0001

Dear Dr. Yokley:

Thank you for your recent request about requirements for a Federal Wildlife or Plant Permit.

Application forms for _____ are enclosed. The application should be completed as fully as possible and submitted with a fee of \$25 \$100 to the Wildlife Permit Office, 1000 N. Glebe Road, Room 611, Arlington, Virginia 22201.

You have submitted an application for _____ but it cannot be evaluated until you:

Provide the required fee of \$25.00 \$100.00.

Sign and date the application

Respond to _____ of the application.

Reply to the remarks section below.

Remarks.

Your application is now being processed and we wish to return your check for \$25.00. As a member of a State institution, you do not have to pay a fee. (See attached Fee Schedule.)

If we do not get the information requested above within 60 days, your incomplete application will be abandoned and placed in our inactive files. You may refer to the abandoned application if you reapply later.

Please feel free to contact Biologist Sandra Redeagle if you have any further questions: Wildlife Permit Office, U.S. Fish & Wildlife Service, 1000 N. Glebe Road, Room 611, Arlington, Virginia 22201 (703/235-1903).

IN YOUR REPLY PLEASE REFER TO PRT - _____

MR. OR MRS. PAUL YOKLEY, JR.
3698 CHISHOLM RD
FLORENCE, AL 35630

2275

Nov. 27 19 *85* 61-87
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PAY TO THE
ORDER OF

U.S. Fish and Wildlife Service

\$ *25.⁰⁰*

Twenty-five and no/100

DOLLARS



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OF FLORENCE FLORENCE, ALA.

FOR

Paul Yokley, Jr.

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