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COMMONWEALTH OF KENTUCKY
DEPARTMENT OF FISH AND WILDLIFE RESOURCES
C. THOMAS BENNETT, COMMISSIONER

July 26, 2002

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AMESQ
Log No. 71283
Date Received AUG 2 2002
File Code

Mr. James L. Elmore
Department of Energy
Oak Ridge Operations Office
P.O. Box 2001
Oak Ridge, TN 37831

RE: Environmental Impact Statement Converting DUF6
Stored at Paducah Gaseous Diffusion Plant,
McCracken County, Kentucky

Dear Mr. Elmore:

I have reviewed the information provided on the above-referenced project. Accordingly, I offer the following comments and recommendations.

A review of the Kentucky Fish and Wildlife Information System indicates that several federal and/or state threatened and/or endangered species are known to occur within McCracken County that could be impacted by the project. That species list is attached. Please be aware that our database system is a dynamic one that only represents our current knowledge of the various species distributions. This information may also be obtained on the worldwide web at: www.kfwis.state.ky.us.

I would recommend that a habitat survey be conducted at the site of the proposed project and if any habitat that might harbor any of these species exists, then a specific survey for that species should be conducted. The results of those surveys will dictate if any additional surveys or analysis need to be conducted.

I appreciate the opportunity to comment.

Sincerely,

Wayne L. Davis
Environmental Section Chief

cc: Environmental Section Files

EDUCATION PAYS

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Alosa alabamae	Alabama shad	Osteichthyes	MCCRACKEN	C	E	Reference
Atractosteus spatula	alligator gar	Osteichthyes	MCCRACKEN		E	Reference
Cyprinella camura	bluntface shiner	Osteichthyes	MCCRACKEN		E	Reference
Hybognathus hayi	cypress minnow	Osteichthyes	MCCRACKEN		E	Reference
Myotis sodalis	Indiana myotis	Mammalia	MCCRACKEN	LE	E	Reference
Obovaria retusa	ring pink	Bivalvia	MCCRACKEN	LE	E	Reference
Notropis maculatus	taillight shiner	Osteichthyes	MCCRACKEN		T	Reference
Nyctanassa violacea	yellow-crowned night-heron	Aves	MCCRACKEN		T	Reference

United States Department of the Interior

FISH AND WILDLIFE SERVICE
446 Neal Street
Cookeville, TN 38501

September 18, 2002

Mr. James L. Elmore, Ph.D.
U.S. Department of Energy
Oak Ridge Operations Office
P.O. Box 2001
Oak Ridge, Tennessee 37831

Dear Dr. Elmore:

Thank you for your letter and enclosures received July 23, 2002, regarding the preparation of an Environmental Impact Statement (EIS) for the proposed construction and operation of a facility to convert DUF6 to a more stable chemical form at the Paducah Gaseous Diffusion Plant (PGDP) in McCracken County, Kentucky. The referenced maps of the PGDP and proposed facility locations were not included in your letter. U.S. Fish and Wildlife Service personnel have reviewed the information submitted and offer the following comments for consideration.

According to our records, the following federally listed endangered species may occur on or near the PGDP:

Indiana bat *Myotis sodalis*

A qualified biologist should assess potential impacts and determine if the proposed project may affect the species. We recommend that you submit a copy of your assessment and the draft EIS to this office for review and concurrence. A finding of "may affect" could require the initiation of formal consultation procedures.

These constitute the comments of the U.S. Department of the Interior in accordance with provisions of the Endangered Species Act (87 Stat. 884, as amended: 16 U.S.C. 1531 et seq.). We appreciate the opportunity to comment. Should you have any questions or need further assistance, please contact Steve Alexander of my staff at 931/528-6481, ext. 210, or via e-mail at *steven_alexander@fws.gov*.

Sincerely,

for Lee A. Barclay, Ph.D.
Field Supervisor

xc: Wayne Davis, KDFWR, Frankfort
Laila Lienesch, FWS, Frankfort

Donald S. Dott, Jr.
Director

Paul E. Patton
Governor

Commonwealth of Kentucky
Kentucky State Nature Preserves Commission
801 Schenkel Lane
Frankfort, Kentucky 40601-1403
(502) 573-2886 Voice
(502) 573-2355 Fax

August 12, 2002

James L. Elmore, Ph.D.
Department of Energy
Oak Ridge Operations Office
P.O. Box 2001
Oak Ridge, TN 37831-2001

Dear Dr. Elmore:

This letter is in response to your data request of July 12, 2002 for State-Listed species information in the vicinity of the Paducah Gaseous Diffusion Plant DUF6 Conversion facility project. We have reviewed our Natural Heritage Program Database to determine if any of the endangered, threatened, or special concern plants and animals or exemplary natural communities monitored by the Kentucky State Nature Preserves Commission occur in the area. Based on our most current information, we have determined that 68 occurrences of the plants or animals and one occurrence of the exemplary natural communities that are monitored by KSNPC are reported as occurring in the specified area. Please see the attached report for more information. I have included a separate report of the species known from McCracken County, Kentucky as well.

Data and data products received from the Kentucky State Nature Preserves Commission, including any portion thereof, may not be reproduced in any form or by any means without the express written authorization of the Kentucky State Nature Preserves Commission. The exact location of plants, animals, and natural communities, if released by the Kentucky State Nature Preserves Commission, may not be released in any document or correspondence. These products are provided on a temporary basis for the express project (described above) of the requester, and may not be redistributed, resold or copied without the written permission of the Kentucky State Nature Preserves Commission's Data Manager (801 Schenkel Lane, Frankfort, KY, 40601. Phone: (502) 573-2886).

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Page 2
August 12, 2002

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments. We would greatly appreciate receiving any pertinent information obtained as a result of on-site surveys.

If you have any questions or if I can be of further assistance, please do not hesitate to contact me.

Sincerely,

Sara Hines

Sara Hines
Data Manager

Enclosures: Data Report and Interpretation Key, McCracken County List
Endangered, Threatened, and Special Concern Plants and Animals of Kentucky
Plants and Animals Presumed Extinct or Extirpated from Kentucky
Monitored Natural Communities of Kentucky

Data Key for Element and Occurrence Reports (v. 3.98)
Kentucky State Nature Preserves Commission
Natural Heritage Program Data Services

Many of the data fields on the enclosed report are easily understood. Other fields, however, use abbreviations and formats that are not always self-explanatory. A key to these fields follows. Your report may contain some or all of the following data fields.

BEARING:	Bearing in degrees from a center point to an occurrence's latitude and longitude. This field is masked for sensitive occurrences; contact KSNPC in these cases. Omitted for G, U, and Q precision occurrence records.
BESTSOURCE:	Best available reference to the occurrence: literature citation, collector, collection number, museum or herbarium code, etc.
COMMENTS:	Additional information about the occurrence including identification, taxonomy, or date of occurrence.
DIRECTIONS:	Directions to an occurrence. This field is masked for sensitive occurrences; contact KSNPC in these cases.
DISTANCE:	Distance from a center point to an occurrence's latitude and longitude. Units coded as M (miles), K (kilometers), and F (feet). This field is masked for sensitive occurrences; contact KSNPC in these cases. Omitted for G, U, and Q precision occurrence records.
ELCODE:	Element (species) code.
EOCODE:	Element (species) code, occurrence number (last three digits), and state.
EODATA:	Occurrence population data: date of observation, number of individuals, health, size of colony, flowering data, etc.
EORANK:	Judgement of occurrence quality: A = excellent, B = good, C = marginal, D = poor, E = verified extant but quality not judged, O = obscure (not found at reported site but more searching needed), H = historically known from site but no known observation or collection since 1975, X = extirpated from site.
FIRSTOBS:	Year of first known observation or collection.
GENDESC:	Description of an occurrence's habitat.
GRANK:	Estimate of element abundance on a global scale: G1 = extremely rare, G2 = rare, G3 = uncommon, G4 = common, G5 = very common, GH = historically known and expected to be rediscovered, GU = uncertain, GX = extinct. Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species.
HABITAT:	General description of the element's habitat across its range.
IDENT:	Whether the identification has been checked by a reliable individual and is believed to be correctly identified: Y = identification confirmed and believed correct, N = No, identification determined to be wrong despite reports to the contrary, ? = Whether identification is correct or not is confusing or disputed, blank or U = unknown whether identification correct or not, assumed correct.
KSNPC:	Kentucky State Nature Preserves Commission status: N or blank = none, E = endangered, T = threatened, S = special concern, H = historic, X = extirpated.
LASTOBS:	Year(-month-date) of most recent known observation or collection.
LAT:	Latitude. This field is masked for sensitive occurrences; contact KSNPC in these cases. Omitted for G, U and Q precision occurrences.
LONG:	Longitude. This field is masked for sensitive occurrences; contact KSNPC in these cases. Omitted for G, U and Q precision occurrences.
MAP NUMBER:	Number used to location the element on KSNPC Heritage maps.
MARGNUM:	See MAP NUMBER.
PREC:	See PRECISION.

Rare Species And Communities Recorded for the Proposed DUF6 Conversion Facility at the Paducah Gaseous Diffusion Plant.

KSNPC
Data Request No. 03-022

EOCODE	SNAME	SCOMNAME	GRANK	SRANK	SPROT	USESA	IDENT	LASTOBS	PREC	EORANK	COUNTY	7.5 MINUTE QUADRANGLE	EPA WATERBODY	DIRECTIONS	HABITAT
***Vascular Plants															
PDFAB0G041*013*KY	BAPTISIA BRACTEATA VAR LEUCOPHAEA	CREAM WILD INDIGO	G4G5T4T5	S3	S		Y	1997-05-11	S	C	McCracken	HEATH		WEST KY WMA, RD AROUND NUCLEAR PLANT (DYKE RD).	PRAIRIES AND OPEN WOODS ON SANDY SOIL.
PDJUG01010*002*KY	CARYA AQUATICA	WATER HICKORY	G5	S2S3	T			1997-	M	D	McCracken	JOPPA		METROPOLIS LAKE.	BOTTOMLANDS AND FLOODPLAIN SWAMPS.
PDSTY01030*021*KY	HALESIA TETRAPTERA	MOUNTAIN SILVER-BELL	G5	S1S2	E		Y	2001-04-13	S	B	McCracken	JOPPA		METROPOLIS LAKE SNP; SW END OF METROPOLIS LAKE, CA 0.3 AIR MI E OF POWERPLANT LOCATED OFF OF KY 996.	RICH WOODS AND EDGES OF SLOUGHS AND OXBOW LAKES.
PDSTY01030*015*KY	HALESIA TETRAPTERA	MOUNTAIN SILVER-BELL	G5	S1S2	E		Y	1991-06-20	S	A	McCracken	JOPPA		CIRCA 1.0 AIR MI WNW OF N CORNER OF SETTLING PONDS FOR SHAWNEE STEAM PLANT ALONG RIDGE ABOVE OHIO RIVER.	RICH WOODS AND EDGES OF SLOUGHS AND OXBOW LAKES.
PDAST8C040*001*KY	MELANTHERA NIVEA	SNOW MELANTHERA	G5	S3?	S		Y	2001-07-23	S	B/A	McCracken	JOPPA		METROPOLIS LAKE, OFF KY 996, W OF PADUCAH.	FLOODPLAINS AND SANDY WOODS INCLUDING DISTURBED OPENINGS.
PMPOA480S0*005*KY	MUHLENBERGIA GLABRIFLORIS	HAIR GRASS	G4?	S2S3	S			1977-09-21	M	H	McCracken	JOPPA		ALONG METROPOLIS FERRY ROAD, OFF OF KY 1420.	DRY, DESSICCATED OR BAKED SOILS, PRAIRIES, GRAVELS, OR ROCKY SLOPES AND MEDLEY REPORTS WET WOODS, MARSH EDGES AND FIELDS.
PDAST8L082*015*KY	SILPHIUM LACINIATUM VAR ROBINSONII	COMPASS PLANT	G5T?	S2	T		Y	1993-07	S	B	McCracken	HEATH		725 BETWEEN KY 726 AND KY 1154 (MARGNUM 34, 370505N, 884838W), (MARGNUM 35, 370513N, 884859W), (MARGNUM 36, 370521N, 884906W), (MARGNUM 37, 370515N, 884908W), (MARGNUM 38, 370517N, 884916W); JCT OF MAGRUDER RD	PRAIRIES INCL. REMNANTS OF THIS FLORA ON ROADSIDES AND FIELDS.
PDAST8L082*025*KY	SILPHIUM LACINIATUM VAR ROBINSONII	COMPASS PLANT	G5T?	S2	T			1993-07	S	C	McCracken	HEATH		WEST KENTUCKY WILDLIFE MANAGEMENT AREA BETWEEN SPRING BAYOU (BAYOU CREEK) AND ACID RD, CA 0.5 AIR MI NNW OF SPRING BAYOU CHURCH.	PRAIRIES INCL. REMNANTS OF THIS FLORA ON ROADSIDES AND FIELDS.
PDAST8L082*016*KY	SILPHIUM LACINIATUM VAR ROBINSONII	COMPASS PLANT	G5T?	S2	T		Y	1993-07	S	A	McCracken	HEATH		BOTH SIDES OF UNNAMED GRAVEL RD, CA 0.1 AIR MI S OF SOUTH ACID RD (MARGNUM 23), (MARGNUM 32, 370610N, 884935W), (MARGNUM 40, 370553N, 884949W), (MARGNUM 41, 370548N, 884952W), (MARGNUM 42, 370546N, 884945W),	PRAIRIES INCL. REMNANTS OF THIS FLORA ON ROADSIDES AND FIELDS.
***Gastropod															
IMGASK5100*009*KY	LEPTOXIS PRAEROSA	ONYX ROCKSNAIL	G5	S3S4	S		Y	1980-10-18	S	H	McCracken	JOPPA		OHIO RIVER AT MILE 948.0, LITTLE CHAIN BAR.	CALL (1895) INDICATED THAT IN THE OHIO RIVER AT THE FALLS IT OCCURRED IN THE GREATEST PROFUSION WHERE THE BOTTOM IS CLEAN ROCK OR ROCK WITH ABUNDANT "CONFERVOID" VEGETATION.
IMGASK6100*023*KY	LITHASIA VERRUCOSA	VARICOSE ROCKSNAIL	G3G4	S3S4	S		Y	1980-10-08	S	H	McCracken	JOPPA		OHIO RIVER AT MILE 948.0, LITTLE CHAIN BAR.	OBSERVATIONS ON THE HABITAT INCLUDE SPECIMENS TAKEN FROM RECENTLY EXPOSED BARS AND POOLS WITH SAND, GRAVEL, AND ROCK SUBSTRATES (HAAG AND PALMER-BALL, PERS COMM).

Rare Species And Communities Recorded for the Proposed DUF6 Conversion Facility at the Paducah Gaseous Diffusion Plant.

KSNPC
Data Request No. 03-022

EOCODE	SNAME	SCOMNAME	GRANK	SRANK	SPROT	USESA	DENT	LASTOBS	PREC	EORANK	COUNTY	7.5 MINUTE QUADRANGLE	EPA WATERBODY	DIRECTIONS	HABITAT
***Bivalves															
IMBIV21110*054*KY	LAMPSILIS ABRUPTA	PINK MUCKET	G2	S1	E	LE	Y	2001-09-31	S	D	McCracken	JOPPA		OHIO RIVER MILE 948.4, CA 120 M FROM KY SHORE.	APPARENTLY MORE COMMONLY FROM GRAVEL AND COBBLE. COLLECTED FROM SHALLOW AND DEEP WATER WITH CURRENT VELOCITY RANGING FROM ZERO TO SWIFT (AHLSTEDT 1983, BOGAN AND PARMALEE 1983, BUCHANAN 1980), BUT NEVER STANDING POOLS OF WATER (LAURITSEN PARMALEE 1967, STANSBERY 1976), BUT OCCURS IN MEDIUM-SIZED STREAMS IN GRAVEL, SAND, OR EVEN MUD (PARMALEE 1967, JOHNSON 1970, GORDON AND LAYZER 1989). IN THE LOWER WABASH AND OHIO RIVERS SPECIMENS WERE TAKEN IN DEEP WATER (6-10 FEET OR MORE) IN CURRENT FROM SAND
IMBIV21130*079*KY	LAMPSILIS OVATA	POCKETBOOK	G5	S1	E			1954-06-30	G	H	McCracken	JOPPA		OHIO RIVER BETWEEN METROPOLIS AND JOPPA (PLOTTED AT MIDPOINT).	
IMBIV34020*032*KY	PLETHOBASUS COOPERIANUS	ORANGEFOOT PIMPLEBACK	G1	S1	E	LE	Y	1907-08-18	G	H	McCracken	BANDANA		OHIO RIVER AT HILLERMAN, IL.	USUALLY FOUND IN LARGE RIVERS IN SAND AND GRAVEL SUBSTRATES (AHLSTEDT 1983, BOGAN AND PARMALEE 1983, MILLER, A.C. ET AL. 1986).
IMBIV34020*053*KY	PLETHOBASUS COOPERIANUS	ORANGEFOOT PIMPLEBACK	G1	S1	E	LE	Y	1999-09-07	S	D	McCracken	JOPPA		OHIO R AT LITTLE CHAIN BAR CA R MI 948.	USUALLY FOUND IN LARGE RIVERS IN SAND AND GRAVEL SUBSTRATES (AHLSTEDT 1983, BOGAN AND PARMALEE 1983, MILLER, A.C. ET AL. 1986).
IMBIV34020*056*KY	PLETHOBASUS COOPERIANUS	ORANGEFOOT PIMPLEBACK	G1	S1	E	LE	Y	2001-08-31	S	D	McCracken	JOPPA		OHIO RIVER MILE 948.4, CA 120 M FROM KY SHORE.	USUALLY FOUND IN LARGE RIVERS IN SAND AND GRAVEL SUBSTRATES (AHLSTEDT 1983, BOGAN AND PARMALEE 1983, MILLER, A.C. ET AL. 1986).
IMBIV34030*090*KY	PLETHOBASUS CYPHYUS	SHEEPNOSE	G3	S3	S		Y	1954-06-30	G	H	McCracken	JOPPA		OHIO RIVER BETWEEN METROPOLIS AND JOPPA (PLOTTED AT MIDPOINT).	USUALLY FOUND IN LARGE RIVERS IN CURRENT ON MUD, SAND, OR GRAVEL BOTTOMS AT DEPTH OF 1-2 METERS OR MORE (BAKER 1928, PARMALEE 1967, GORDON AND LAYZER 1989).
IMBIV34030*087*KY	PLETHOBASUS CYPHYUS	SHEEPNOSE	G3	S3	S		Y	1955-05-17	G	H	McCracken	JOPPA		OHIO RIVER AT JOPPA.	USUALLY FOUND IN LARGE RIVERS IN CURRENT ON MUD, SAND, OR GRAVEL BOTTOMS AT DEPTH OF 1-2 METERS OR MORE (BAKER 1928, PARMALEE 1967, GORDON AND LAYZER 1989).
IMBIV34030*065*KY	PLETHOBASUS CYPHYUS	SHEEPNOSE	G3	S3	S		Y	1907-08-18	G	H	McCracken	BANDANA		OHIO RIVER AT HILLERMAN, IL.	USUALLY FOUND IN LARGE RIVERS IN CURRENT ON MUD, SAND, OR GRAVEL BOTTOMS AT DEPTH OF 1-2 METERS OR MORE (BAKER 1928, PARMALEE 1967, GORDON AND LAYZER 1989).
IMBIV34030*125*KY	PLETHOBASUS CYPHYUS	SHEEPNOSE	G3	S3	S		Y	1999-08	S	D	McCracken	JOPPA		OHIO RIVER AT LITTLE CHAIN BAR, CA MI 948.	USUALLY FOUND IN LARGE RIVERS IN CURRENT ON MUD, SAND, OR GRAVEL BOTTOMS AT DEPTH OF 1-2 METERS OR MORE (BAKER 1928, PARMALEE 1967, GORDON AND LAYZER 1989).
IMBIV37030*001*KY	POTAMILUS CAPAX	FAT POCKETBOOK	G1	S1	E	LE	Y	1907-08	G	H	McCracken	BANDANA		OHIO R, AT HILLERMAN, MASSAC CO., ILL.	BACK CHANNELS, AND SOMETIMES IN DITCHES, IN MUD (OOZE); MIXED SAND, MUD, AND CLAY; OR FINE SILT AND MUD IN FLOWING WATER AT DEPTHS OF A FEW INCHES UP TO EIGHT FEET (PARMALEE 1967, AHLSTEDT AND JENKINSON 1987, CUMMINGS AND MAYER 1993, CUMMINGS ET AL. 1990).
IMBIV37030*029*KY	POTAMILUS CAPAX	FAT POCKETBOOK	G1	S1	E	LE	Y	1999-09-07	S	D	McCracken	JOPPA		OHIO RIVER AT CA R MI 945.6; BAR AT POWERLINE CROSSING.	BACK CHANNELS, AND SOMETIMES IN DITCHES, IN MUD (OOZE); MIXED SAND, MUD, AND CLAY; OR FINE SILT AND MUD IN FLOWING WATER AT DEPTHS OF A FEW INCHES UP TO EIGHT FEET (PARMALEE 1967, AHLSTEDT AND JENKINSON 1987, CUMMINGS AND MAYER 1993, CUMMINGS ET AL. 1990).
IMBIV39041*041*KY	QUADRULA CYLINDRICA CYLINDRICA	RABBITSFOOT	G3T3	S2	T		Y	1907-08-18	G	H	McCracken	BANDANA		OHIO RIVER AT HILLERMAN, IL.	SMALL TO LARGE RIVERS WITH SAND, GRAVEL, AND COBBLE AND MODERATE TO SWIFT CURRENT, SOMETIMES IN DEEP WATER (PARMALEE 1967, BOGAN AND PARMALEE 1983).

Rare Species And Communities Recorded for the Proposed DUF6 Conversion Facility at the Paducah Gaseous Diffusion Plant.

KSNPC
Data Request No. 03-022

EOCODE	SNAME	SCOMNAME	GRANK	SRANK	SPROT	USESA	DENT	LASTOBS	PREC	EORANK	COUNTY	7.5 MINUTE QUADRANGLE	EPA WATERBODY	DIRECTIONS	HABITAT
IMBIV39041*030*KY	QUADRULA CYLINDRICA CYLINDRICA	RABBITSFOOT	G3T3	S2	T		Y	1987-05-21	S	O	McCracken	JOPPA		OHIO RIVER, ORM 945, AT END OF ROAD THAT PASSES E SIDE OF METROPOLIS LAKE, 10 MI WNW OF PADUCAH.	SMALL TO LARGE RIVERS WITH SAND, GRAVEL, AND COBBLE AND MODERATE TO SWIFT CURRENT, SOMETIMES IN DEEP WATER (PARMALEE 1967, BOGAN AND PARMALEE 1983).
***Crustaceans															
ICMAL11060*004*KY	ORCONECTES LANCIFER	A CRAYFISH	G5	S1	E		Y	1975-04-26	S	H	McCracken	JOPPA		METROPOLIS LAKE 4.8 KM N GRAHAMVILLE NEAR END OF HWY 305 (ACTUALLY END OF HWY 996 AND DRIVEWAY TO LAKE).	OXBOW LAKES AND STREAMS ON THE GULF COASTAL PLAIN (PAGE 1985), WHERE IT LIVES AMONG ORGANIC DEBRIS, USUALLY NEAR BALD CYPRESS (BURR AND HOBBS 1984).
***Fishes															
AFCBA02010*002*KY	ATRACTOSTEUS SPATULA	ALLIGATOR GAR	G3G4	S1	E			1975-06-27	G	H	McCracken	JOPPA		OHIO RIVER AT SHAWNEE STEAM PLANT, NEAR PADUCAH.	SLUGGISH POOLS AND BACKWATERS OF LARGE RIVERS, BACKWATERS, AND OXBOW LAKES (BURR AND WARREN 1986, PAGE AND BURR 1991, ETNIER AND STARNES 1993).
AFCJC05020*006*KY	ERIMYZON SUCETTA	LAKE CHUBSUCKER	G5	S2	T		Y		G	H	McCracken	JOPPA		OHIO RIVER, SHAWNEE STEAM PLANT W OF PADUCAH.	LOWLAND LENTIC HABITATS (WETLANDS AND FLOODPLAIN LAKES) WITH SUBMERGENT AND FLOATING VEGETATION (BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCHD01040*003*KY	ESOX NIGER	CHAIN PICKEREL	G5	S3	S			1972-05-28	M	E	McCracken	JOPPA		METROPOLIS LAKE, 4.8 KM N GRAHAMVILLE.	COASTAL PLAIN WETLANDS, STREAMS, AND VEGETATED OXBOW LAKE SHORELINES, AND IT ALSO TOLERATES RESERVOIR CONDITIONS (BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCJB16030*004*KY	HYBOGNATHUS HAYI	CYPRESS MINNOW	G5	S1	E		Y	1993-07-21	S	D	McCracken	JOPPA		METROPOLIS LAKE, 3 MI N GRAHAMVILLE.	COASTAL PLAIN AND SHAWNEE HILLS. USUALLY OVER MUD OR SAND BOTTOMS, BUT OCCASIONALLY ASSOCIATED WITH SUBMERGED AQUATIC VEGETATION OR OTHER COVER (BURR AND WARREN 1986, PFLIEGER 1975, SMITH 1979, GILBERT 1980, BURR ET AL. 1980). NEEDS WETLANDS ADJACENT
AFBAA01020*006*KY	ICHTHYOMYZON CASTANEUS	CHESTNUT LAMPREY	G4	S2	S			1951-	G	H	McCracken	JOPPA		OHIO RIVER AT JOPPA, ILLINOIS.	CONSISTS OF GRAVEL AND RUBBLE WITH AREAS OF SAND AND SILT. LARVAE REQUIRE CLEAR STREAMS WITH STABLE BARS OF SILT, SAND AND ORGANIC DETRITIS (BECKER 1983, PFLIEGER 1975, ROHDE AND LANTEIGNE-COURCHERE 1980, SCOTT AND CROSSMAN 1973, SMITH 1979).
AFBAA01020*007*KY	ICHTHYOMYZON CASTANEUS	CHESTNUT LAMPREY	G4	S2	S			1951-	G	H	McCracken	METROPOLIS		OHIO RIVER AT METROPOLIS, ILLINOIS.	CONSISTS OF GRAVEL AND RUBBLE WITH AREAS OF SAND AND SILT. LARVAE REQUIRE CLEAR STREAMS WITH STABLE BARS OF SILT, SAND AND ORGANIC DETRITIS (BECKER 1983, PFLIEGER 1975, ROHDE AND LANTEIGNE-COURCHERE 1980, SCOTT AND CROSSMAN 1973, SMITH 1979).
AFBAA01020*010*KY	ICHTHYOMYZON CASTANEUS	CHESTNUT LAMPREY	G4	S2	S			1974-04-17	G	E	McCracken	JOPPA		OHIO RIVER, AT SHAWNEE STEAM PLANT.	CONSISTS OF GRAVEL AND RUBBLE WITH AREAS OF SAND AND SILT. LARVAE REQUIRE CLEAR STREAMS WITH STABLE BARS OF SILT, SAND AND ORGANIC DETRITIS (BECKER 1983, PFLIEGER 1975, ROHDE AND LANTEIGNE-COURCHERE 1980, SCOTT AND CROSSMAN 1973, SMITH 1979).
AFCJC07030*016*KY	ICTIOBUS NIGER	BLACK BUFFALO	G5	S3	S		Y	1997-09-30	M	C	McCracken	JOPPA		OHIO RIVER, SHAWNEE STEAM PLANT, NW OF PADUCAH.	RESERVOIRS AND MEDIUM TO LARGE RIVERS WITH MODERATE TO LOW GRADIENT AND SOMETIME SWIFT CURRENT (BECKER 1983, PFLIEGER 1975, SMITH 1979, TRAUTMAN 1981, AND BURR AND WARREN 1986).
AFCJC07030*026*KY	ICTIOBUS NIGER	BLACK BUFFALO	G5	S3	S		Y	1996-04	S	D	McCracken	JOPPA		LITTLE BAYOU CREEK [AT UNNAMED RD NR HOOPER CEMETERY CA 2.0 AIR KM NW OF KY 996-KY 1420 JCT].	RESERVOIRS AND MEDIUM TO LARGE RIVERS WITH MODERATE TO LOW GRADIENT AND SOMETIME SWIFT CURRENT (BECKER 1983, PFLIEGER 1975, SMITH 1979, TRAUTMAN 1981, AND BURR AND WARREN 1986).

Rare Species And Communities Recorded for the Proposed DUF6 Conversion Facility at the Paducah Gaseous Diffusion Plant.

EOCODE	SNAME	SCOMNAME	GRANK	SRANK	SPROT	USESA	IDENT	LASTOBS	PREC	EORANK	COUNTY	7.5 MINUTE QUADRANGLE	EPA WATERBODY	DIRECTIONS	HABITAT
AFCJC07030*027*KY	ICTIOBUS NIGER	BLACK BUFFALO	G5	S3	S		Y	1997-03	S	D	McCracken	JOPPA		BIG BAYOU CREEK (CA. 0.4 STREAM KM S OF WEST BOONE RD CROSSING).	RESERVOIRS AND MEDIUM TO LARGE RIVERS WITH MODERATE TO LOW GRADIENT AND SOMETIME SWIFT CURRENT (BECKER 1983, PFLIEGER 1975, SMITH 1979, TRAUTMAN 1981, AND BURR AND WARREN 1986).
AFCQB11120*032*KY	LEPOMIS MINIATUS	REDSPOTTED SUNFISH	G5	S2	T		Y	1997-03	S	D	McCracken	HEATH		LITTLE BAYOU CK AT KY 358 (SITE 12).	OCCURS IN WELL-VEGETATED SWAMPS, SLOUGHS, BOTTOMLAND LAKES, AND LOW GRADIENT STREAMS (BURR AND MAYDEN 1979, PFLIEGER 1975, SMITH 1979, BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCQB11120*033*KY	LEPOMIS MINIATUS	REDSPOTTED SUNFISH	G5	S2	T		Y	1996-04	S	D	McCracken	JOPPA		LITTLE BAYOU AT UNNAMED RD (SITE 10) [NR HOOPER CEMETERY CA 2.0 AIR KM NW OF KY 966/KY 1420 JCT].	OCCURS IN WELL-VEGETATED SWAMPS, SLOUGHS, BOTTOMLAND LAKES, AND LOW GRADIENT STREAMS (BURR AND MAYDEN 1979, PFLIEGER 1975, SMITH 1979, BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCQB11120*034*KY	LEPOMIS MINIATUS	REDSPOTTED SUNFISH	G5	S2	T		Y	1996-06	S	D	McCracken	JOPPA		BIG BAYOU CREEK AT BOLDRY RD, 2.8 RIVER KM FROM MOUTH (SITE 14).	OCCURS IN WELL-VEGETATED SWAMPS, SLOUGHS, BOTTOMLAND LAKES, AND LOW GRADIENT STREAMS (BURR AND MAYDEN 1979, PFLIEGER 1975, SMITH 1979, BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCQB11120*007*KY	LEPOMIS MINIATUS	REDSPOTTED SUNFISH	G5	S2	T		Y	1998-04-02	S	A	McCracken	JOPPA		METROPOLIS LAKE, 4.8 KM N OF GRAHAMVILLE.	OCCURS IN WELL-VEGETATED SWAMPS, SLOUGHS, BOTTOMLAND LAKES, AND LOW GRADIENT STREAMS (BURR AND MAYDEN 1979, PFLIEGER 1975, SMITH 1979, BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCND02010*007*KY	MENIDIA BERYLLINA	INLAND SILVERSIDE	G5	S2	T		Y	1992-08-04	M	C	McCracken	JOPPA		OHIO RIVER NEAR JOPPA.	SCHOOLING SURFACE FISH THAT OCCURS IN THE MISSISSIPPI RIVER AND FLOODPLAIN LAKES (BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCND02010*009*KY	MENIDIA BERYLLINA	INLAND SILVERSIDE	G5	S2	T		Y	1992-09-25	M	C	McCracken	JOPPA		OHIO RIVER MILE 944-948, NEAR SHAWNEE STEAM PLANT.	SCHOOLING SURFACE FISH THAT OCCURS IN THE MISSISSIPPI RIVER AND FLOODPLAIN LAKES (BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCND02010*012*KY	MENIDIA BERYLLINA	INLAND SILVERSIDE	G5	S2	T		Y	1993-07-21	S	A	McCracken	JOPPA		METROPOLIS LAKE AT BOAT RAMP.	SCHOOLING SURFACE FISH THAT OCCURS IN THE MISSISSIPPI RIVER AND FLOODPLAIN LAKES (BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCJB28650*002*KY	NOTROPIS MACULATUS	TAILLIGHT SHINER	G5	S2S3	T		Y	1998-04-02	S	A	McCracken	JOPPA		METROPOLIS LAKE, 5 KM N GRAHAMVILLE.	LOW GRADIENT STREAMS, OXBOW LAKES, AND SLOUGHS IN AND AROUND CYPRESS KNEES, MARGINAL VEGETATION, AND ACCUMULATIONS OF STICKS AND DETRITUS (BURR AND PAGE 1975, BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCKA02220*014*KY	NOTURUS STIGMOSUS	NORTHERN MADTOM	G3	S2S3	S				G	H	McCracken	JOPPA		OHIO RIVER AT SHAWNEE STEAM PLANT, NW OF PADUCAH.	LARGE STREAMS AND RIVERS IN MODERATE TO SWIFT CURRENT OVER GRAVEL AND SAND, AND SOMETIMES DEBRIS OR PONDWEED FOR COVER (BURR AND WARREN 1986, ETNIER AND STARNES 1993).
AFCKA02220*037*KY	NOTURUS STIGMOSUS	NORTHERN MADTOM	G3	S2S3	S		Y	1999-09-08	S	D	McCracken	JOPPA		OHIO R AT LITTLE CHAIN BAR.	LARGE STREAMS AND RIVERS IN MODERATE TO SWIFT CURRENT OVER GRAVEL AND SAND, AND SOMETIMES DEBRIS OR PONDWEED FOR COVER (BURR AND WARREN 1986, ETNIER AND STARNES 1993).
***Amphibians															
AAABC02060*035*KY	HYLA CINEREA	GREEN TREEFROG	G5	S3	S		Y	1991-06-28	S	B	McCracken	JOPPA		CIRCA 0.3 AIR MI SW OF W TIP OF SHAWNEE STEAM PLANT SETTLING PONDS.	FLOODPLAIN WETLANDS, PARTICULARLY THOSE DOMINATED BY BUTTONBUSH AND HERBACEOUS EMERGENT VEGETATION.

Rare Species And Communities Recorded for the Proposed DUF6 Conversion Facility at the Paducah Gaseous Diffusion Plant.

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EOCODE	SNAME	SCOMNAME	GRANK	SRANK	SPROT	USESA	DENT	LASTOBS	PREC	EORANK	COUNTY	7.5 MINUTE QUADRANGLE	EPA WATERBODY	DIRECTIONS	HABITAT
AAABC02060*034*KY	HYLA CINEREA	GREEN TREEFROG	G5	S3	S		Y	1991-06-25	S	B	McCracken	JOPPA		WEST KENTUCKY WILDLIFE MANAGEMENT AREA, CA 1.4 AIR MI WNW OF THE N TIP OF THE N-MOST SHAWNEE STEAM PLANT SETTLING POND.	FLOODPLAIN WETLANDS, PARTICULARLY THOSE DOMINATED BY BUTTONBUSH AND HERBACEOUS EMERGENT VEGETATION.
AAABH01014*049*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1964-03-07	G	O	McCracken	PADUCAH WEST		US 62, 5.0 MI SW OF PADUCAH.	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*050*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1964-03-13	M	O	McCracken	HEATH		US 60, 0.6 MI E OF FUTURE CITY, 10 MI W OF PADUCAH.	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*011*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1991-03-18	S	C	McCracken	JOPPA		MARTIN CEMETERY, S SIDE KY 358 CA 0.6 RD MI E JCT BETHEL CHURCH RD.	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*007*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1991-03-20	S	C	McCracken	HEATH		CIRCA 0.2 AIR MI E OF KY 1154, CA 1.2 RD MI N OF ITS JCT W/ US 60.	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*013*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1991-03-18	S	C	McCracken	JOPPA		CIRCA 0.2 RD MI E OF BETHEL CHURCH RD, CA 1.0 RD MI S JCT KY 358 (MARGNUM 33). CA 1.0 AIR MI SSE JCT KY 358 AND BETHEL CHURCH ROAD (MARGNUM 34, 370748N, 884941W).	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*009*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1991-03-18	S	C	McCracken	HEATH		WEST KENTUCKY WILDLIFE MANAGEMENT AREA, N SIDE WATER WORKS RD JUST W OF FILTRATION PLANT.	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*010*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1991-03-20	S	C	McCracken	HEATH		MI NNW JCT KY 358 AND OGDEN LANDING RD (MARGNUM 14). WEST KY WMA, CA 1.3 RD MI W JCT KY 996 AND KY 358 ON N SIDE KY 358 (MARGNUM 15, 370723N, 884736W). WEST KY WMA, 1.5 RD MI W OF JCT KY 996 AND KY 358, 0.15 AIR MI S OF WEST KENTUCKY WILDLIFE MANAGEMENT AREA, CA 0.1 RD MI NW OF JCT KY 358 AND KY 995, DOWN ROAD JUST SE OF LODGE (MARGNUM 36), AND CA 0.15 RD MI NW OF JCT KY 358 AND KY 995, DOWN RD JUST SE OF LODGE (MARGNUM 39).	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*015*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1998-02-27	S	C	McCracken	JOPPA			BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*014*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1991-03-18	S	C	McCracken	JOPPA		WEST KENTUCKY WILDLIFE MANAGEMENT AREA, CA 0.6 RD MI SW OF JCT KY 995 AND KY 358, CA 0.15 AIR MI W OF KY 995, CA 0.5 RD MI SW OF AREA OFFICE (LODGE).	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
AAABH01014*008*KY	RANA AREOLATA CIRCULOSA	NORTHERN CRAWFISH FROG	G4T4	S3	S		Y	1991-03-20	S	C	McCracken	HEATH		CIRCA 0.4 AIR MI NW OF SPRING BAYOU CHURCH ON KY 725 (MARGNUM 11). CA 0.7 RD MI W OF SPRING BAYOU CHURCH ON KY 725 ON N SIDE OF RD (MARGNUM 12, 370524N, 885030W).	BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING CRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.
***Reptiles															
ARAAG01022*008*KY	APALONE MUTICA MUTICA	MIDLAND SMOOTH SOFTSHELL	G5T5	S3	S		Y	1986-07-16	G	E	McCracken	METROPOLIS		OHIO RIVER, NEAR BOAT RAMP ACROSS FROM JOPPA [ASSUMED TO MEAN METROPOLIS], ILL.	OPEN WATER HABITATS; MOST NUMEROUS IN OPEN RIVER SITUATIONS WITH GRAVEL OR SAND SUBSTRATES, BUT ALSO PRESENT IN SLOWER RIVERS AND IMPOUNDMENTS.

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EOCODE	SNAME	SCOMNAME	GRANK	SRANK	SPROT	USESA	IDENT	LASTOBS	PREC	EORANK	COUNTY	7.5 MINUTE QUADRANGLE	EPA WATERBODY	DIRECTIONS	HABITAT
***Birds															
ABPBX91050*039*KY	AIMOPHILA AESTIVALIS	BACHMAN'S SPARROW	G3	S1B		E	Y	1951-07-17	G	X	McCracken	PADUCAH WEST	;OHIO RIVER FROM TENNESSEE RIVER TO MISSISSIPPI RIVER	5 MI W OF PADUCAH.	OPEN PINE WOODS WITH SCATTERED BUSHES OR UNDERSTORY, BRUSHY OR OVERGROWN HILLSIDES, OVERGROWN FIELDS WITH THICKETS AND BRAMBLES, GRASSY ORCHARDS.
ABPAV10080*014*KY	CORVUS OSSIFRAGUS	FISH CROW	G5	S3B		S	Y	1980-06-27	Q	H	McCracken	JOPPA	OHIO RIVER FROM TENNESSEE RIVER TO MISSISSIPPI RIVER	WEST KY WMA, ALONG OHIO RIVER AT EDGE OF BOTTOMLAND FOREST.	BEACHES, BAYS, LAGOONS, INLETS, SWAMPS, NEAR MARSHES, AND, LESS FREQUENTLY, DECIDUOUS OR CONIFEROUS WOODLAND, IN INLAND SITUATIONS PRIMARILY IN BALDCYPRESS SWAMPS AND ALONG MAJOR WATERCOURSES. ALSO GARBAGE DUMPS.
ABNJB20010*004*KY	LOPHODYTES CUCULLATUS	HOODED MERGANSER	G5	S1S2B,S3S4N		T	Y	1980-05-08	S	H	McCracken	JOPPA		WEST KENTUCKY WILDLIFE MANAGEMENT AREA, 3.9 MI NNW OF GRAHAMVILLE.	STREAMS, LAKES, SWAMPS, MARSHES, AND ESTUARIES; WINTERS MOSTLY IN FRESHWATER BUT ALSO REGULARLY IN ESTUARIES AND SHELTERED BAYS (B83COM01NA).
ABPBW01110*001*KY	VIREO BELLII	BELL'S VIREO	G5	S2S3B		S	Y	1980-06-27	M	H	McCracken	JOPPA		ALONG LITTLE BAYOU CREEK, ADJ TO THE W SIDE OF THE ASH SETTLING POND AT THE SHAWNEE STEAM PLANT, 6 MI NNW OF GRAHAMVILLE.	DENSE BRUSH, MESQUITE, STREAMSIDE THICKETS, AND SCRUB OAK, IN ARID REGIONS BUT OFTEN NEAR WATER (B83COM01NA); MOIST WOODLAND, BOTTONLANDS, WOODLAND EDGE, SCATTERED COVER AND HEDGEROWS IN CULTIVATED AREAS. OPEN WOODLAND, BRUSH IN WINT.
ABPBW01110*002*KY	VIREO BELLII	BELL'S VIREO	G5	S2S3B		S	Y	1994-05-05	S	C	McCracken	JOPPA		WEST KENTUCKY WMA, W SIDE OF MAIN GRAVEL RD, CA 1.0 MI S OF ENTRANCE ON KY 358.	DENSE BRUSH, MESQUITE, STREAMSIDE THICKETS, AND SCRUB OAK, IN ARID REGIONS BUT OFTEN NEAR WATER (B83COM01NA); MOIST WOODLAND, BOTTONLANDS, WOODLAND EDGE, SCATTERED COVER AND HEDGEROWS IN CULTIVATED AREAS. OPEN WOODLAND, BRUSH IN WINT.
***Mammals															
AMACC01030*026*KY	MYOTIS AUSTRORIPARIUS	SOUTHEASTERN MYOTIS	G3G4	S1S2		E		1999-07-14	S	E	McCracken	HEATH		WEST KENTUCKY WMA, BAYOU CREEK JUST UPSTREAM OF SOUTH ACID RD.	THE SOUTHEASTERN MYOTIS USES PRIMARILY CAVES FOR HIBERNACULA AND SUMMER MATERNITY AND ROOSTING SITES.
AMACC01030*027*KY	MYOTIS AUSTRORIPARIUS	SOUTHEASTERN MYOTIS	G3G4	S1S2		E		1999-07-22	S	E	McCracken	JOPPA	;OHIO RIVER FROM TENNESSEE RIVER TO MISSISSIPPI RIVER	BAYOU CREEK RIDGE STATE NATURAL AREA, W END ON N SIDE OF CREEK, CA 0.1 AIR MI SE OF END OF WMA RD TO OHIO RIVER.	THE SOUTHEASTERN MYOTIS USES PRIMARILY CAVES FOR HIBERNACULA AND SUMMER MATERNITY AND ROOSTING SITES.
AMACC01100*101*KY	MYOTIS SODALIS	INDIANA BAT	G2	S1S2		E	LE Y	1999-07-28	S	E	McCracken	JOPPA	;OHIO RIVER FROM TENNESSEE RIVER TO MISSISSIPPI RIVER	WEST KENTUCKY WILDLIFE MANAGEMENT AREA, W OF BAYOU CREEK RIDGE SNA, CA 0.1 AIR MI SE OF END OF RD (MARGNUM 24), AND CA 0.15 RD MI SE OF BAYOU CREEK ALONG OLD RD (MARGNUM 58).	INDIANA BATS USE PRIMARILY CAVES FOR HIBERNACULA, ALTHOUGH THEY ARE OCCASIONALLY FOUND IN OLD MINE PORTALS.
AMACC06010*015*KY	NYCTICEIUS HUMERALIS	EVENING BAT	G5	S2S3		T	Y	1999-07-28	S	E	McCracken	JOPPA	;OHIO RIVER FROM TENNESSEE RIVER TO MISSISSIPPI RIVER	0.4 AIR MI SSE OF END OF RD TO OHIO RIVER (MARGNUM 26), AND JUST DOWNSTREAM OF GRAVEL RD CROSSING (MARGNUM 59), AND W OF BAYOU CR RIDGE, CA 0.1 AIR MI SE OF N END OF WMA ROAD TO THE OHIO RIVER (MARGNUM 26).	THE EVENING BAT IS A COLONIAL SPECIES THAT ROOSTS IN TREES AND HOUSES. IT APPARENTLY MIGRATES SOUTHWARD IN WINTER.
AMACC06010*047*KY	NYCTICEIUS HUMERALIS	EVENING BAT	G5	S2S3		T	Y	1999-08-02	S	E	McCracken	JOPPA		WEST KY WMA, ALONG BAYOU CREEK CA 0.8 AIR MI WSW OF HEADQUARTERS.	THE EVENING BAT IS A COLONIAL SPECIES THAT ROOSTS IN TREES AND HOUSES. IT APPARENTLY MIGRATES SOUTHWARD IN WINTER.

***Palustrine Communities

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EOCODE	SNAME	SCOMNAME	GRANK	SRANK	SPROT	USESA	IDENT	LASTOBS	PREC	EORANK	COUNTY	7.5 MINUTE QUADRANGLE	EPA WATERBODY	DIRECTIONS	HABITAT
CPFOR00005*001*KY	FLOODPLAIN RIDGE/TERRACE FOREST			S1	N		Y	1991-06	S	B	McCracken	JOPPA		WEST KY WILDLIFE MANAGEMENT AREA, BAYOU CREEK WOODS, CA 2.0 AIR MI NW OF SHAWNEE STEAM PLANT.	

69 Records Processed.