

**COUNTY REPORT  
OF  
ENDANGERED, THREATENED, AND SPECIAL CONCERN  
PLANTS, ANIMALS, AND NATURAL COMMUNITIES  
OF  
KENTUCKY**

**KENTUCKY STATE NATURE PRESERVES COMMISSION  
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Kentucky State Nature Preserves Commission  
Key for County List Report

The attached report lists endangered, threatened, special concern, and historic plants, animals, and natural communities (elements) reported from each county in Kentucky. Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

**STATUS**

- KSNPC: Kentucky State Nature Preserves Commission status:  
 N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated
- USES: U.S. Fish and Wildlife Service status:  
 N or blank = none C = candidate LT = listed as threatened  
 LE = listed as endangered

LTNL = Listed Threatened in part of its range, but is not listed in Kentucky (Copperbelly water snake has a special conservation agreement in 14 Kentucky counties as an alternative to Federal Listing.)

**RANKS**

- GRANK: Estimate of element abundance on a global scale:  
 G1 = extremely rare G2 = rare G3 = uncommon G4 = common G5 = very common  
 GU = uncertain GH = historically known and expected to be rediscovered GX = extinct

Subspecies and variety abundances are coded with a 'T' suffix; the 'G?' portion of the rank then refers to the entire species.

SRANK:

- Estimate of element abundance in Kentucky:  
 S1 = extremely rare S2 = rare S3 = uncommon  
 S4 = many occurrences S5 = very common SA = accidental  
 SRF = reported falsely in literature SU = uncertain SX = extirpated  
 SE = exotic ? = unknown SH = historically known in state  
 SZ = not of significant conservation concern SR = reported but without persuasive documentation  
 S#B - breeding rank for non-resident species S#N - non-breeding rank for non-resident species

**COUNT DATA FIELDS**

# OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

- E - currently reported from the county
- H - reported from the county but not seen since 1980 (at least 20 years)
- F - reported from county & cannot be relocated but for which further inventory is needed (previously reported as "O")
- X - known to have extirpated from the county
- U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report, which is produced in this form annually.

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 species of 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.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

KY State Nature Preserves Commission  
801 Schenkel Lane  
Frankfort, KY 40601  
phone: (502) 573-2886  
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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences E H F X U
	HABITAT					
McCracken	PLANTS WOODS AND THICKETS.	<i>AESCULUS PAVIA</i>	RED BUCKEYE	T	G5/S2S3	0 1 0 0 0
McCracken	PLANTS BOTTOMLANDS AND OPEN WOODS.	<i>ASTER DRUMMONDII VAR TEXANUS</i>	TEXAS ASTER	T	G5T7/S2	0 0 0 0 1
McCracken	PLANTS PRAIRIES AND OPEN WOODS ON SANDY SOIL.	<i>BAPTISIA BRACTEATA VAR LEUCOPHAEA</i>	CREAM WILD INDIGO	S	G4G5T4T5/S3	2 0 0 0 0
McCracken	PLANTS SWAMPS, WET MEADOWS, SHORELINES.	<i>CAREX HYSTERICINA</i>	PORCUPINE SEDGE	H	G5/SH	0 1 0 0 0
McCracken	PLANTS BOTTOMLANDS AND FLOODPLAIN SWAMPS.	<i>CARYA AQUATICA</i>	WATER HICKORY	T	G5/S2S3	1 0 0 0 0
McCracken	PLANTS RICH WOODS AND EDGES OF SLOUGHS AND OXBOW LAKES.	<i>HALESIA TETRAPTERA</i>	MOUNTAIN SILVER-BELL	E	G5/S1S2	2 0 0 0 1
McCracken	PLANTS DRY, OFTEN SANDY PLACES, PARTICULARLY DISTURBED SITES.	<i>HETEROTHECA SUBAXILLARIS VAR LATIFOLIA</i>	BROAD-LEAF GOLDEN-ASTER	T	G5T5/S2	1 0 0 0 0
McCracken	PLANTS SWAMPY WOODLANDS, POND AND SLOUGH MARGINS, WET DITCHES.	<i>HYDROLEA UNIFLORA</i>	ONE-FLOWER FIDDLELEAF	S	G5/S3?	0 1 0 0 0
McCracken	PLANTS MARSHES, SHORES, WET MEADOWS, SWALES AND DITCHES.	<i>HYPERICUM ADPRESSUM</i>	CREeping ST. JOHN'S-WORT	H	G2G3/SH	0 0 0 0 1
McCracken	PLANTS WET MEADOWS, SWAMPS, WET WOODS, AND IN KY BOULDER COBBLE BARS ALONG CREEKS AND RIVERS, AND KNOWN FROM A ROADSIDE NEAR A RAILROAD. (MEDLEY).	<i>LATHYRUS PALUSTRIS</i>	VETCHLING PEAVINE	T	G5/S2	0 0 0 0 1
McCracken	PLANTS DRY HILLSIDE, WOODLAND.	<i>LESPEDEZA STUEVEI</i>	TALL BUSH-CLOVER	S	G4?/S3?	0 1 0 0 0
McCracken	PLANTS MOIST MEADOWS, MOIST WET WOODS INCLUDING FLOODPLAINS, AND COVES	<i>LILIUM SUPERBUM</i>	TURK'S CAP LILY	T	G5/S1S2	0 0 0 0 1
McCracken	PLANTS OPEN DRY - MESIC WOODS AND THICKETS.	<i>MALUS ANGUSTIFOLIA</i>	SOUTHERN CRABAPPLE	S	G5?/S3	0 1 0 0 0
McCracken	PLANTS FLOODPLAINS AND SANDY WOODS INCLUDING DISTURBED OPENINGS.	<i>MELANTHERA NIVEA</i>	SNOW MELANTHERA	S	G5/S3?	1 0 0 0 0
McCracken	PLANTS DRY, DESSICCATED OR BAKED SOILS, PRAIRIES, GRAVELS, OR ROCKY SLOPES AND MEDLEY REPORTS WET WOODS, MARSH EDGES AND FIELDS.	<i>MUHLENBERGIA GLABRIFLORIS</i>	HAIR GRASS	S	G4?/S2S3	0 1 0 0 0
McCracken	PLANTS DRY PRAIRIES AND BARRENS, LIMESTONE GLADES, DRY, OPEN ROCKY WOODS, USUALLY IN ACID SOILS.	<i>PRENANTHES ASPERA</i>	ROUGH RATTLESNAKE-ROOT	E	G4?/S1	1 1 0 0 0
McCracken	PLANTS PRAIRIES AND LOW GROUNDS SUCH AS OPEN STREAM TERRACE WOODLANDS.	<i>RUDBECKIA SUBTOMENTOSA</i>	SWEET CONEFLOWER	E	G5/S1	1 0 1 0 0
McCracken	PLANTS PRAIRIES INCL. REMNANTS OF THIS FLORA ON ROADSIDES AND FIELDS.	<i>SILPHIUM LACINIATUM VAR ROBINSONII</i>	COMPASS PLANT	T	G5T7/S2	5 0 0 0 0
McCracken	PLANTS WOODS AND BLUFFS.	<i>SOLIDAGO BUCKLEYI</i>	BUCKLEY'S GOLDENROD	S	G4/S2S3	0 1 0 0 0

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						H	F	X	U			
	HABITAT											
McCracken	GASTROPODS	<i>LEPTOXIS PRAEROSA</i>	ONYX ROCKSNAIL 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 CONIFEROID VEGETATION.*	S	G5/S3S4	0	1	0	0	0		
McCracken	GASTROPODS	<i>LITHASIA ARMIGERA</i>	ARMORED ROCKSNAIL BARS AND POOLS WITH SAND, GRAVEL, AND ROCK SUBSTRATES (KNPC), SLOPING ROCK OUTCROPS WITH POCKETS OF SAND, GRAVEL AND MUD, PARTIALLY BURIED LOGS, AND ROCK RIPRAP (SICKEL 1988).	S	G3G4/S3S4	0	0	0	0	1		
McCracken	GASTROPODS	<i>LITHASIA GENICULATA</i>	ORNATE ROCKSNAIL	S	G3G4/S1	0	3	0	0	0		
McCracken	GASTROPODS	<i>LITHASIA VERRUCOSA</i>	VARICOSE ROCKSNAIL 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).	S	G3G4/S3S4	0	2	0	0	1		
McCracken	BIVALVES	<i>FUSCONAIA SUBROTUNDA SUBROTUNDA</i>	LONGSOLID GRAVEL BARS AND DEEP POOLS IN LARGE RIVERS AND LARGE TO MEDIUM-SIZED STREAMS (AHLSTEDT 1984, GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, PARMALLEE 1967).	S	G3T3/S3	0	1	0	0	0		
McCracken	BIVALVES	<i>LAMPSILIS ABRUPTA</i>	PINK MUCKET LARGE RIVERS IN HABITATS RANGING FROM SILT TO BOULDERS, BUT 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 PARMALLEE 1983, BUCHANAN 1980), B	E/E	G2/S1	2	3	1	0	0		
McCracken	BIVALVES	<i>LAMPSILIS OVATA</i>	POCKETBOOK CONSIDERED A LARGE RIVER SPECIES (CLENCH AND VAN DER SCHALIE 1944, PARMALLEE 1987, STANSBERRY 1979), BUT OCCURS IN MEDIUM-SIZED STREAMS IN GRAVEL, SAND, OR EVEN MUD (PARMALLEE 1967, JOHNSON 1970, GORDON AND LAYZER 1989). IN THE LOWER WABASH AND OHIO RIVERS	E	G5/S1	0	3	0	0	0		
McCracken	BIVALVES	<i>OBOVARIA RETUSA</i>	RING PINK LARGE RIVER SPECIES THAT INHABITS GRAVEL AND SAND BARS (BOGAN AND PARMALLEE 1983, GOODRICH AND VAN DER SCHALIE 1944, NEEL AND ALLEN 1964, STANSBERRY 1976).	E/E	G1/S1	0	1	0	1	0		
McCracken	BIVALVES	<i>PLETHOBASUS COOPERIANUS</i>	ORANGEFOOT PIMPLEBACK USUALLY FOUND IN LARGE RIVERS IN SAND AND GRAVEL SUBSTRATES (AHLSTEDT 1983, BOGAN AND PARMALLEE 1983, MILLER, A.C. ET AL. 1986).	E/E	G1/S1	4	2	2	0	0		
McCracken	BIVALVES	<i>PLETHOBASUS CYPHIUS</i>	SHEEPNOSE USUALLY FOUND IN LARGE RIVERS IN CURRENT ON MUD, SAND, OR GRAVEL BOTTOMS AT DEPTH OF 1-2 METERS OR MORE (BAKER 1928, PARMALLEE 1967, GORDON AND LAYZER 1989).	S	G3/S3	3	5	1	0	0		
McCracken	BIVALVES	<i>PLEUROBEMA RUBRUM</i>	PYRAMID PIGTOE INHABITS MEDIUM TO LARGE RIVERS AND USUALLY OCCURS IN SAND OR GRAVEL BOTTOMS IN DEEP WATERS (AHLSTEDT 1984, MURRAY AND LEONARD 1962, PARMALLEE ET AL. 1982).	E	G2/S1	0	1	0	0	0		
McCracken	BIVALVES	<i>POTAMILUS CAPAX</i>	FAT POCKETBOOK OCCURS IN MEDIUM TO LARGE-SIZED RIVERS OFTEN AROUND ISLAND AND 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 (PARMALLEE 1967, AHLSTEDT AN	E/E	G1/S1	1	1	1	1	0		
McCracken	BIVALVES	<i>POTAMILUS PURPURATUS</i>	BLEUFER DEEP STREAMS WITH DEEP MUD AND FAIRLY QUIET POOLS (MURRAY AND LEONARD 1962). IN MISSOURI BOOTHEEL STREAMS, IT IS FOUND IN SMALL TO MEDIUM GRAVEL WITH MUD OCCASIONALLY INTERSPERSED (OESCH 1984). IN THE ST. FRANCIS RIVER OF ARKANSAS AND MISSOURI, INDIVIDUA	E	G5/S1	1	0	0	0	0		
McCracken	BIVALVES	<i>QUADRULA CYLINDRICA CYLINDRICA</i>	RABBITSFOOT SMALL TO LARGE RIVERS WITH SAND, GRAVEL, AND COBBLE AND MODERATE TO SWIFT CURRENT, SOMETIMES IN DEEP WATER (PARMALLEE 1967, BOGAN AND PARMALLEE 1983).	T	G3T3/S2	1	2	1	0	0		
McCracken	CRUSTACEANS	<i>CAMBARELLUS PUER</i>	A DWARF CRAYFISH CYPRESS SWAMPS, STREAMS, AND LOWLANDS (DRAINED WETLANDS) ON THE MISSISSIPPI ALLUVIAL PLAIN, USUALLY AMONG LIVING OR DEAD VEGETATION (PAGE 1985).	E	G4G5/S1	0	0	0	1	0		
McCracken	CRUSTACEANS	<i>ORCONECTES LANCIFER</i>	A CRAYFISH 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).	E	G5/S1	0	1	0	0	0		

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		HABITAT													
McCracken	INSECTS	<i>EUPHYES DUKESI</i>	DUKES' SKIPPER	S	G3/S1	3	0	0	1	0					
		SHADED TUPELO SWAMPS IN SOUTH, PARTIALLY SHADED MARSHES AND DITCHES IN MIDWEST (OPLER AND MALIKUL 1992). FEEDS ON SEDGES (CAREX LACUSTRIS AND C. HYALINOLEPIS) (L.D. GIBSON PERS COMM). ON THE ATLANTIC COAST IT ALSO FEEDS ON CAREX WALTERIANA (L.D. GIBSON P													
McCracken	INSECTS	<i>SATYRIUM FAVONIUS ONTARIO</i>	NORTHERN HAIRSTREAK	S	G4T4/S1	0	1	0	0	0					
		S. FAVONIUS IS FOUND IN WOODS OR EDGES WITH EVERGREEN OR DECIDUOUS OAKS (OPLER AND MALIKUL 1992). MAIN HABITAT REQUIREMENTS ARE BLACK-JACK OAK (QUERCUS MARILANDICA) AND A NECTAR SOURCE SUCH AS FARKLEBERRY (VACCINIUM ARBORETUM) OR DOGBANE (APOCYNUM CANNAB													
McCracken	FISHES	<i>ACIPENSER FULVESCENS</i>	LAKE STURGEON	E	G3/S1	0	1	0	0	0					
		LAKES AND LARGE RIVERS WITH A FIRM SAND/GRAVEL BOTTOM (BURR AND WARREN 1986, ETNIER AND STARNES 1993).													
McCracken	FISHES	<i>ATRACTOSTEUS SPATULA</i>	ALLIGATOR GAR	E	G3G4/S1	0	1	0	0	0					
		SLUGGISH POOLS AND BACKWATERS OF LARGE RIVERS, BACKWATERS, AND OXBOW LAKES (BURR AND WARREN 1986, PAGE AND BURR 1991, ETNIER AND STARNES 1993).													
McCracken	FISHES	<i>CYPRINELLA VENUSTA</i>	BLACKTAIL SHINER	S	G5/S3	1	0	0	0	0					
		OCCURS IN CREEKS AND SMALL STREAMS OF THE COASTAL PLAIN OVER FIRM SAND AND GRAVEL, OF RIFLES AND RACEWAYS, AND ALONG UNDERCUT BANKS OR AMONG SUBMERGED STUMPS AND LOGS (BURR AND WARREN 1986). ALSO, OVER FIRM SAND OR GRAVEL IN THE MISSISSIPPI AND LOWER OHI													
McCracken	FISHES	<i>ERIMYZON SU CETTA</i>	LAKE CHUBSUCKER	T	G5/S2	0	1	0	0	0					
		LOWLAND LENTIC HABITATS (WETLANDS AND FLOODPLAIN LAKES) WITH SUBMERGENT AND FLOATING VEGETATION (BURR AND WARREN 1986, ETNIER AND STARNES 1993).													
McCracken	FISHES	<i>ESOX NIGER</i>	CHAIN PICKEREL	S	G5/S3	1	0	0	0	0					
		COASTAL PLAIN WETLANDS, STREAMS, AND VEGETATED OXBOW LAKE SHORELINES, AND IT ALSO TOLERATES RESERVOIR CONDITIONS (BURR AND WARREN 1986, ETNIER AND STARNES 1993).													
McCracken	FISHES	<i>ETHEOSTOMA PROELIARE</i>	CYPRESS DARTER	T	G5/S2	1	0	0	0	0					
		SMALL TO MEDIUM-SIZE SLUGGISH STREAMS, OXBOWS, AND WETLANDS WHERE THE BOTTOM IS SOFT AND AQUATIC VEGETATION ABOUNDS (BURR AND MAYDEN 1979, KUEHNE AND BARBOUR 1983, PAGE 1983, BURR AND WARREN 1986).													
McCracken	FISHES	<i>HYBOMNATHUS HAYI</i>	CYPRESS MINNOW	E	G5/S1	1	2	0	0	0					
		OXBOW LAKES AND QUIET WATER OF LOW GRADIENT STREAMS ON THE 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, G													
McCracken	FISHES	<i>ICHTHYOMYZON CASTANEUS</i>	CHESTNUT LAMPREY	S	G4/S2	1	2	0	0	0					
		MODERATE-SIZE CREEKS, LARGE RIVERS, AND RESERVOIRS. SUBSTRATE CONSISTS OF GRAVEL AND RUBBLE WITH AREAS OF SAND AND SILT. LARVAE REQUIRE CLEAR STREAMS WITH STABLE BARS OF SILT, SAND AND ORGANIC DETRITUS (BECKER 1983, PFLIEGER 1975, ROHDE AND LANTEIGNE-COU													
McCracken	FISHES	<i>ICTIOBUS NIGER</i>	BLACK BUFFALO	S	G5/S3	4	0	0	0	0					
		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).													
McCracken	FISHES	<i>LEPOMIS MINIATUS</i>	REDSPOTTED SUNFISH	T	G5/S2	4	0	0	0	0					
		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).													
McCracken	FISHES	<i>LOTA LOTA</i>	BURBOT	S	G5/SU	1	0	0	0	0					
		KENTUCKY SPECIMENS GENERALLY COME FROM MEDIUM TO LARGE-SIZE RIVERS. IN THE NORTH, THEY INHABIT COOL, LARGE, AND DEEP RIVERS AND LAKES (BECKER 1983, PFLIEGER 1975, SCOTT AND CROSSMAN 1973, SMITH 1979, TRAUTMAN 1981).													
McCracken	FISHES	<i>MENIDIA BERYLLINA</i>	INLAND SILVERSIDE	T	G5/S2	4	0	0	0	0					
		SCHOOLING SURFACE FISH THAT OCCURS IN THE MISSISSIPPI RIVER AND FLOODPLAIN LAKES (BURR AND WARREN 1986, ETNIER AND STARNES 1993).													
McCracken	FISHES	<i>NOTROPIS MACULATUS</i>	TAILLIGHT SHINER	T	G5/S2S3	1	1	0	0	0					
		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).													

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HABITAT										
McCracken	FISHES	<i>NOTURUS STIGMOSUS</i>	NORTHERN MADTOM	S	G3/S2S3	2	1	0	0	0
		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).								
McCracken	FISHES	<i>UMBRA LIMI</i>	CENTRAL MUDMINNOW	T	G5/S2S3	1	0	0	0	0
		RESTRICTED TO DENSE BEDS OF SUBMERGENT AQUATIC VEGETATION OR ORGANIC DEBRIS PILES IN SPRING-FED WETLANDS, DITCHES, AND THE MARGINS OF LOWLAND LAKES OF THE COASTAL PLAIN (BURR AND WARREN 1986).								
McCracken	AMPHIBIANS	<i>AMPHIUMA TRIDACTYLUM</i>	THREE-TOED AMPHIUMA	E	G5/S1	0	0	0	0	1
		THE AMPHIUMAS IS FOUND IN LAKES, OPEN SPRING STREAMS OF RUNNING WATER, AND STREAMS FLOWING OVER CALCAREOUS ROCKS. ALSO RECORDED FROM DRAINAGE DITCHES, BAYOUS, AND WOODED ALLUVIAL SWAMPS (BISHOP 1974), PROBABLY ONLY THE LATTER IN KENTUCKY.								
McCracken	AMPHIBIANS	<i>HYLA CINEREA</i>	GREEN TREEFROG	S	G5/S3	2	0	0	0	0
		FLOODPLAIN WETLANDS, PARTICULARLY THOSE DOMINATED BY BUTTONBUSH AND HERBACEOUS EMERGENT VEGETATION.								
McCracken	AMPHIBIANS	<i>RANA AREOLATA CIRCULOSA</i>	NORTHERN CRAWFISH FROG	S	G4T4/S3	17	1	6	0	0
		BREEDS IN PONDS IN FARMLAND AND EDGE. REMAINS UNDERGROUND THROUGHOUT MOST OF THE YEAR, USING GRAYFISH BURROWS IN MOIST GRASSLANDS AND MEADOWS.								
McCracken	REPTILES	<i>APALONE MUTICA MUTICA</i>	MIDLAND SMOOTH SOFTSHELL	S	G5T5/S3	1	0	0	0	0
		OPEN WATER HABITATS; MOST NUMEROUS IN OPEN RIVER SITUATIONS WITH GRAVEL OR SAND SUBSTRATES, BUT ALSO PRESENT IN SLOWER RIVERS AND IMPOUNDMENTS.								
McCracken	REPTILES	<i>MACROCLEMYS TEMMINCKII</i>	ALLIGATOR SNAPPING TURTLE	T	G3G4/S2	0	1	0	0	0
		FLOODPLAIN SLOUGHS, BACKWATER AREAS OF LARGER RIVERS, IMPOUNDMENTS. SEEMS TO PREFER MUDDY SUBSTRATE WITH DARK RETREATS INCLUDING MUSKAT AND BEAVER DENS, LOGS, OR SHELTERING VEGETATION.								
McCracken	REPTILES	<i>THAMNOPHIS SAURITUS SAURITUS</i>	EASTERN RIBBON SNAKE	S	G5T5/S3	1	0	0	0	0
		VARIETY OF SEMI-OPEN HABITATS, GENERALLY IN WEEDY OR BRUSHY GROWTH ALONG THE MARGINS OF SLOUGHS, MARSHES AND OTHER AQUATIC HABITATS.								
McCracken	BIRDS	<i>ACCIPITER STRIATUS</i>	SHARP-SHINNED HAWK	S	G5/S3B,S4N	1	0	0	0	0
		FOREST AND OPEN WOODLAND, CONIFEROUS, MIXED, OR DECIDUOUS, PRIMARILY IN CONIF. IN MORE NORTHERN AND MOUNTAINOUS PORTION OF RANGE (B83COM01NA), MIGRATES THROUGH VARIOUS HABITATS, MAINLY ALONG RIDGES, LAKESHORES, & COASTLINES (B83NAT01NA).								
McCracken	BIRDS	<i>AIMOPHILA AESTIVALIS</i>	BACHMAN'S SPARROW	E	G3/SX?B	0	0	0	1	0
		OPEN PINE WOODS WITH SCATTERED BUSHES OR UNDERSTORY, BRUSHY OR OVERGROWN HILLSIDES, OVERGROWN FIELDS WITH THICKETS AND BRAMBLES, GRASSY ORCHARDS.								
McCracken	BIRDS	<i>ARDEA HERODIAS</i>	GREAT BLUE HERON	S	G5/S3B,S4N	0	0	1	0	0
		FRESHWATER AND BRACKISH MARSHES, LONG LAKES, RIVERS, BAYS, LAGOONS, OCEAN BEACHES, MANGROVES, FIELDS, AND MEADOWS.								
McCracken	BIRDS	<i>CORVUS OSSIFRAGUS</i>	FISH CROW	S	G5/S3B	2	1	0	0	0
		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.								
McCracken	BIRDS	<i>ICTINIA MISSISSIPPIENSIS</i>	MISSISSIPPI KITE	S	G5/S2B	1	0	0	0	0
		TALL FOREST, OPEN WOODLAND, PRAIRIE, SEMIARID RANGELAND, SHELTERBELTS, WOODED AREAS BORDERING LAKES AND STREAMS IN MORE OPEN REGIONS, SCRUBBY OAKS AND MESQUITE.								
McCracken	BIRDS	<i>LOPHODYTES CUCULLATUS</i>	HOODED MERGANSER	T	G5/S1S2B,S3S4N	0	1	0	0	0
		STREAMS, LAKES, SWAMPS, MARSHES, AND ESTUARIES; WINTERS MOSTLY IN FRESHWATER BUT ALSO REGULARLY IN ESTUARIES AND SHELTERED BAYS (B83COM01NA).								
McCracken	BIRDS	<i>RIPARIA RIPARIA</i>	BANK SWALLOW	S	G5/S3B	0	0	1	0	0
		OPEN AND PARTLY OPEN SITUATIONS, FREQUENTLY NEAR FLOWING WATER (B83COM01NA).								
McCracken	BIRDS	<i>TYTO ALBA</i>	BARN OWL	S	G5/S3	2	0	0	0	0
		OPEN AND PARTLY OPEN COUNTRY IN A WIDE VARIETY OF SITUATIONS, OFTEN AROUND HUMAN HABITATION (B83COM01NA), IN NORTHERN WINTER OFTEN ROOSTS IN DENSE CONIFERS, ALSO ROOSTS IN NEST BOXES IF AVAILABLE (B83MARD1NA).								

Data Current as of June 2002

County Report of Endangered, Threatened, and Special Concern Plants, Animals, and Natural Communities of Kentucky  
 Kentucky State Nature Preserves Commission

County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences
HABITAT						
E H F X U						
McCracken	BIRDS	<b>VIREO BELLII</b>	BELL'S VIREO	S	G5/S2S3B	1 1 0 0 0
		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.				
McCracken	MAMMALS	<b>MYOTIS AUSTRORIPARIUS</b>	SOUTHEASTERN MYOTIS	E	G3G4/S1S2	1 0 0 0 0
		THE SOUTHEASTERN MYOTIS USES PRIMARILY CAVES FOR HIBERNACULA AND SUMMER MATERNITY AND ROOSTING SITES.				
McCracken	MAMMALS	<b>MYOTIS SODALIS</b>	INDIANA BAT	E/LE	G2/S1S2	1 0 0 0 0
		INDIANA BATS USE PRIMARILY CAVES FOR HIBERNACULA, ALTHOUGH THEY ARE OCCASIONALLY FOUND IN OLD MINE PORTALS.				
McCracken	MAMMALS	<b>NYCTICEIUS HUMERALIS</b>	EVENING BAT	T	G5/S2S3	3 0 0 0 0
		THE EVENING BAT IS A COLONIAL SPECIES THAT ROOSTS IN TREES AND HOUSES. IT APPARENTLY MIGRATES SOUTHWARD IN WINTER.				
McCracken	COMMUNITIES	<b>FLOODPLAIN RIDGE/TERRACE FOREST</b>		N	S1	1 0 0 0 0
McCracken	COMMUNITIES	<b>WET PRAIRIE</b>		N	S1	1 0 0 0 0



## EASTERN SHAWNEE TRIBE OF OKLAHOMA

P.O. Box 350 • Seneca, MO 64865 • (918) 666-2435 • FAX (918) 666-3325

July 23, 2002

Department of Energy  
Gary S. Hartman, EIS Document Manager  
Oak Ridge Operations Office  
PO Box 2001  
Oak Ridge, Tennessee 37831

Re: Paducah Gaseous Diffusion Plant,  
McCracken County, Kentucky  
Portsmouth Gaseous Diffusion Plant,  
Pike County, Ohio

Dear Mr. Hartman:

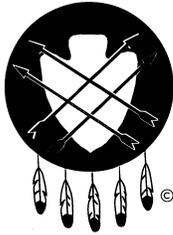
Thank you for notice of the referenced project. The Eastern Shawnee Tribe of Oklahoma is currently unaware of any documentation directly linking Indian Religious Sites to the proposed construction. In the event any items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) are discovered during construction, the Eastern Shawnee Tribe request notification and further consultation.

The Eastern Shawnee Tribe has no objection to the proposed construction. However, if any human skeletal remains and/or any objects falling under NAGPRA are uncovered during construction, the construction should stop immediately, and the appropriate persons, including state and tribal NAGPRA representatives contacted.

Sincerely,

A handwritten signature in cursive script that reads "Charles Enyart".

Charles Enyart, Chief  
Eastern Shawnee Tribe of Oklahoma



**PEORIA TRIBE OF INDIANS OF OKLAHOMA**

118 S. Eight Tribes Trail (918) 540-2535 FAX (918) 540-2538  
P.O. Box 1527  
MIAMI, OKLAHOMA 74355

CHIEF  
John P. Froman  
SECOND CHIEF  
Joe Goforth

July 26, 2002

Gary S. Hartman  
Department of Energy  
Oak Ridge Operations Office  
P. O. Box 2001  
Oak Ridge, Tennessee 37831

RE: DUF conversion facilities

Thank you for notice of the referenced project. The Peoria Tribe of Indians of Oklahoma is currently unaware of any documentation directly linking Indian Religious Sites to the proposed construction. In the event any items falling under the Native American Graves Protection and Repatriation Act (NAGPRA) are discovered during construction, the Peoria Tribe request notification and further consultation.

The Peoria Tribe has no objection to the proposed construction. However, if any human skeletal remains and/or any objects falling under NAGPRA are uncovered during construction, the construction should stop immediately, and the appropriate persons, including state and tribal NAGPRA representatives contacted.

John P. Froman  
Chief

xc: Bud Ellis, Repatriation/NAGPRA Committee Chairman

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AMESQ**

Log No. 71278  
Date Received AUG 2 2002  
File Code \_\_\_\_\_

TREASURER  
LeAnne Reeves

SECRETARY  
Hank Downum

FIRST COUNCILMAN  
Claude Landers

SECOND COUNCILMAN  
Jenny Rampey

THIRD COUNCILMAN  
Jason Dollarhide



July 26, 2002

**TENNESSEE HISTORICAL COMMISSION**  
 DEPARTMENT OF ENVIRONMENT AND CONSERVATION  
 2941 LEBANON ROAD  
 NASHVILLE, TN 37243-0442  
 (615) 532-1550

Mr. Gary S. Hartman  
 Oak Ridge Operations/DP-80  
 Post Office Box 2001  
 Oak Ridge, Tennessee, 37831

**RE: DOE, DUF MANAGEMENT/ETTP, OAK RIDGE, ANDERSON COUNTY**

Dear Mr. Hartman:

In response to your request, received on Wednesday, July 24, 2002, we have reviewed the documents you submitted regarding your proposed undertaking. Our review of and comment on your proposed undertaking are among the requirements of Section 106 of the National Historic Preservation Act. This Act requires federal agencies or applicant for federal assistance to consult with the appropriate State Historic Preservation Office before they carry out their proposed undertakings. The Advisory Council on Historic Preservation has codified procedures for carrying out Section 106 review in 36 CFR 800. You may wish to familiarize yourself with these procedures (Federal Register, December 12, 2000, pages 77698-77739) if you are unsure about the Section 106 process.

Considering available information, we find that the project as currently proposed **MAY AFFECT PROPERTIES THAT ARE ELIGIBLE FOR LISTING IN THE NATIONAL REGISTER OF HISTORIC PLACES.** You should continue consultation with our office, designated consulting parties and invite them to participate in consultation, and provide us with appropriate survey documentation for review and comment. Please direct questions and comments to Joe Garrison (615) 532-1559. We appreciate your cooperation.

Sincerely,

Herbert L. Harper  
 Executive Director and  
 Deputy State Historic  
 Preservation Officer

HLH/jyg

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**AUG 8 2002**  
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