SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Accipiter striatus	Sharp-shinned Hawk	Vertebrate Animal	Bird	1995-PRE	1995-PRE	G5	S3B,S4N	No Status	D
Agalinis auriculata	Earleaved False-foxglove	Vascular Plant	Flowering Plant	8/21/1981	8/13/1994	G3	S2	--	E
Aimophila aestivalis	Bachman's Sparrow	Vertebrate Animal	Bird	1957	6/14/1957	G3	S1B	--	E
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1982	1983	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	1990-00-00	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	9/19/1981	9/10/1994	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	1994-08-13-00-00	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1994-PRE	1994-PRE	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1991-PRE	1991-00-00	G3	S3	--	S
Chrosomus tennesseensis	Tennessee Dace	Vertebrate Animal	Fish	5/30/1990	6/2/2009	G3	S3	--	D
Cryptobranchus alleganiensis	Hellbender	Vertebrate Animal	Amphibian	1989-08	1989-08	G3G4	S3	No Status	D
Cumberlandia monodonta	Spectaclecase	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Cyprogenia stegaria	Fanshell	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G1Q	S1	LE, XN	E
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1981-06-00	8/13/1994	G3	S2	--	E
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1978-00-00	8/13/1994	G3	S2	--	E
Draba ramosissima	Branching Whitlow-grass	Vascular Plant	Flowering Plant	1993-04-00	1994-04-00	G4	S2	--	S
Elodea nuttallii	Nuttall's Waterweed	Vascular Plant	Flowering Plant	1990-PRE	1990-00-00	G5	S2	--	S
Fusconaia cor	Shiny Pigtoe	Invertebrate Animal	Mollusc	1919-PRE	1919-PRE	G1	S1	LE, XN	E
Fusconaia cuneolus	Finerayed Pigtoe	Invertebrate Animal	Mollusc	1919-PRE	1919-PRE	G1	S1	LE, XN	E

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Helianthus occidentalis	Naked-stem Sunflower	Vascular Plant	Flowering Plant	8/21/1981	9/20/2011	G5	S2	--	S
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	1986	3/24/1988	G5	SNR	--	Rare, Not State Listed
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	1989	1994	G5	SNR	--	Rare, Not State Listed
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G2	S2	--	Rare, Not State Listed
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1994-PRE	1994-PRE	G2	S2	--	Rare, Not State Listed

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Juglans cinerea	Butternut	Vascular Plant	Flowering Plant	1992-PRE	1992-00-00	G4	S3	--	T
Lampsilis abrupta	Pink Mucket	Invertebrate Animal	Mollusc	1982-04	1983	G2	S2	LE	E
Liatris cylindracea	Slender Blazing-star	Vascular Plant	Flowering Plant	1981-00-00	8/13/1994	G5	S2	--	T
Myotis grisescens	Gray Myotis	Vertebrate Animal	Mammal	2008-15-04	2008-15-04	G4	S2	LE	E
Napaeozapus insignis	Woodland Jumping Mouse	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Obovaria retusa	Ring Pink	Invertebrate Animal	Mollusc	6/3/1994	6/3/1994	G1	S1	LE,XN	E

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Oligoneuron album	Prairie Goldenrod	Vascular Plant	Flowering Plant	8/4/1981	9/20/2011	G5	S1S2	--	E
Ophisaurus attenuatus longicaudus	Eastern Slender Glass Lizard	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G5T5	S3	--	D
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	1978-00-00	1978-00-00	G3G4	S3S4	--	S-CE

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	5/27/1981	G3G4	S3S4	--	S-CE

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	2005	2005	G3G4	S3S4	--	S-CE

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--	S-CE
Pituophis melanoleucus melanoleucus	Northern Pinesnake	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G4T4	S3	--	T
Platanthera flava var. herbiola	Tubercled Rein-orchid	Vascular Plant	Flowering Plant	<Null>	1996	G4?T4Q	S2	--	T
Plethobasus cooperianus	Orangefoot Pimpleback	Invertebrate Animal	Mollusc	4/14/1960	4/14/1960	G1	S1	LE, XN	E

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Plethobasus cyphyus	Sheepnose	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Pleurobema rubrum	Pyramid Pigtoe	Invertebrate Animal	Mollusc	1983	1983	G2G3	S1S2	--	Rare, Not State Listed
Pseudognaphalium helleri	Heller's Catfoot	Vascular Plant	Flowering Plant	1983-PRE	1983-PRE	G4G5	S2	--	S
Quadrula cylindrica strigillata	Rough Rabbitsfoot	Invertebrate Animal	Mollusc	4/18/1960	4/18/1960	G3G4T2	S2	LE	E
Sorex dispar	Long-tailed Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G4	S2	--	D
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	7/18/1958	7/18/1958	G5	S4	--	D

SCIENTIFIC_ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTION
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	7/18/1958	7/18/1958	G5	S4	--	D
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	5/10/1995	5/10/1995	G5	S4	--	D
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	9/26/1995	11/7/1995	G5	S4	--	D
Spiranthes lucida	Shining Ladies'-tresses	Vascular Plant	Flowering Plant	<Null>	1996	G4	S1S2	--	T
Synaptomys cooperi	Southern Bog Lemming	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Zapus hudsonius	Meadow Jumping Mouse	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	No Status	D

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Accipiter striatus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE NEST RECORD FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ADJACENT TO CLINCH RM 19.0	<Null>
Agalinis auriculata	Good estimated viability	OPEN CEDAR BARRENS. ASSOC. INCL.: HELIANTHUS OCCIDENTALIS (KNOWN HOST FOR TOMANTHERA), SCHIZACHYRIUM SCOPARIUM, SOLIDAGO RIGIDA, RUDBECKIA FULGIDA, & RATIBIDA PINNATA.	2011-09-20: JACK CARMAN AND MARGARET RHINEHART SEARCHED BUT DID NOT FIND THE SPECIES. THEY DID OBSERVE A. TENUIFOLIA. 1989: 1800-2000 INDIVIDUALS IN POPULATION. 1988: 139 INDIVIDUALS COUNTED. AUG 1981: PATRICK REPT'D CA. 36 PLANTS JUST BEGINNING TO BLOOM. 	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE ROAD AT BASE OF CAMPBELL BEND IN THE CLINCH RIVER (WATT'S BAR LAKE).	DISCOVERED BY TOM PATRICK ON 21 AUG 81.
Aimophila aestivalis	Historical	<Null>	3 BIRDS OBSERVED BY HOWELL IN SHRUB FIELD ON 14 JUNE AND SINGLE BIRDS OBSERVED IN SURROUNDING AREA DURING JUNE AND JULY.	ORR 0800 PINE BARRENS T& E SITE	<Null>
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ORR LAGOON ROAD AREA.	Redigitized record and changed precision from S to M.
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	BEAR CREEK VALLEY, NEAR GRASSY CREEK [ARA2]	<Null>
Aneides aeneus	Fair estimated viability	<Null>	ONE TO THREE INDS LOCATED ON EVERY VISIT TO CAVE DURING VARIOUS TIMES OF THE YEAR, 1982-1983. NONE WERE EVER REMOVED.	IN A SMALL CAVE ALONG COPPER RIDGE ON THE OAK RIDGE RESERVATION. COORDINATES DON'T FALL ON THE RIDGE BUT ON A SMALL RIDGE TO THE WEST.	CAVE HAS NOT, TO KLEIN'S KNOWLEDGE BEEN DISTURBED SINCE 1983.
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	PINE RIDGE	<Null>
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	BEAR CREEK VALLEY, NEAR GRASSY CREEK [ARA2]	<Null>

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Aureolaria patula	Fair or poor estimated viability	FORESTED AREA WITH N-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE.	DATA INCOMPLETE. SITE IS ON TRACT WITH FORMER PROPOSED LIQUID METAL FAST BREEDER REACTOR SITE.	NW-FACING SLOPES ABOVE BEAR CREEK VALLEY; SE OF BEAR CREEK RD. HARD TO FIND WAY DIRECTLY THROUGH NEW INDUSTRIAL PARK.	CIMICIFUGA RUBIFOLIA [.001*TN], SAXIFRAGA CAREYANA [.045*TN] ALSO AT SITE.
Aureolaria patula	Good estimated viability	WOODED LIMESTONE SLOPE, BARRENS, AND BLUFF NEAR THE WATER LINE. CANOPY OF ACER SACCHARUM, QUERCUS MUHELENBERGII, OSTRYA, JUNIPERUS, CERCIS, ULMUS ALATA.	(F,O). STEMS BRITTLE, CLUMPED, OFTEN LEANING OUT OVER THE BANK OF RIVER. 1994: DENSE FOR CA. 25 METERS, SCATTERED DOWNSTREAM.	FOOT OF WOODED LIMESTONE SLOPE UPSTREAM OF "GOAT ROCK" AT RIVER'S EDGE MOSTLY. SITE IS NEAR CLINCH RIVER MI. 12.5, RIVER LEFT.	WITH APIOS AMERICANA, LESPEDEZA CUNEATA, ASTRAGALUS CANADENSIS, HYPERICUM DENSIFLORUM, AMORPHA FRUTICOSA, ARUNDINARIA. NORTH BANK AS PLOTTED BY T. PATRICK, 6-83.
Aureolaria patula	Fair or poor estimated viability	FORESTED AREA WITH W-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE. 1994: "SCATTERED MOSTLY NEAR THE SHORELINE".	DATA INCOMPLETE. MANY PLANTS SEEN ON RIVER BANK AND IN ROCKY AREAS.	RIVERBANKS AT K-25 PLANT, ORR. RIVER RIGHT BETWEEN CLINCH RIVER MILES 11.4 AND 11.9. ACCESS BY CANOE FROM THE RIVER. SECURITY FOR K-25 WOULD RESTRICT LAND ACCESS.	DRABA RAMOSISSIMA [EOR.012*TN] ALSO AT SITE.
Aureolaria patula	Fair or poor estimated viability	S-FACING SLOPES AND LIMESTONE BLUFFS.	DATA INCOMPLETE.	ORR, S-FACING SLOPES AND BLUFFS AT S END OF HAW RIDGE ABOVE WATTS BAR LAKE; ACCESS FROM RAOD ALONG SHORE OF LAKE.	THIS RECORD NOT NOTED IN REPORTS FROM ORNL; TRANSCRIBED FROM L. POUNDS' PAPER MAP AT ORNL BY MILO PYNE, DEC 1994.
Aureolaria patula	Poor estimated viability	EDGE OF A POND AND WETLAND.	1991: ONLY TWO PLANTS SEEN.	N END OF SMALL EMBAYMENT N OF BEAR CREEK RD, NEAR ITS DEAD END AT THE CLINCH RIVER S OF GALLAHER BRIDGE.	Marginal population. This EOR was attached to a SBR. The decision to delete the SBR came from an expert meeting at ORR on 12-98. Record was deleted on 05-03-99.
Chrosomus tennesseensis	Verified extant (viability not assessed)	<Null>	SWAP[2009-06-02: 2 Indiv. Observed(1 location)] 1990-05-30: SCHILLING OBS. NEST & BRIGHT RED MALES AT THIS SITE.	ISH CREEK	<Null>
Cryptobranchus alleganiensis	Verified extant (viability not assessed)	LARGE RIVER-TAILWATERS BELOW MELTON HILL DAM.	1 ANIMAL CAUGHT USING BAITED HOOK ON TROTLINE.	CLINCH RIVER JUST DOWNSTREAM OF JONES ISLAND (RM 20).	MIKE RYON FAMILIAR WITH THIS OCCURRENCE.
Cumberlandia monodonta	Historical	SUBSTRATE-- SAND GRAVEL MUD BOULDERS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 15.7. SYCAMORE DAYMARK	TWRA AND TDEC DIVERS SPENT 120 MIN AT THIS LOCALITY

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Cyprogenia stegaria	Historical	SUBSTRATE-- SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>
Delphinium exaltatum	Good estimated viability	OPEN CEDAR BARRENS, ALONG JEEP TRAIL	1994: A FEW PLANTS SEEN IN WOODS, SOME WITH FRUIT. THIS IS THE LARGEST OF THREE POPULATIONS FOUND BY PATRICK IN THE CAMPBELL BEND AREA.	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE RD AT BASE OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE). FORMER "O" SEGMENT OF OAK RIDGE RESERVATION.	DISCOVERED BY TOM PATRICK IN JUNE, 1981. LIATRIS CYLINDRACEA, ASTER [SOLIDAGO] PTARMICOIDES, AGALINIS [TOMANTHERA] AURICULATA AT SITE. SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.
Delphinium exaltatum	Fair or poor estimated viability	BARREN ON CHICKAMAUGA LIMESTONE WITH SCHIZACHYRIUM SCOPARIUM, SILPHIUM TEREBINTHINACEUM, AND ASTER [SOLIDAGO] PTARMICOIDES.	SITE RECORD (SIGHT?). PLOTTED FROM MAP PROVIDED BY LINDA MANN; MAP RECEIVED 18 DECEMBER 1979.	CROWDER CEMETARY CEDAR BARRENS; CONTACT BOEING TENNESSEE INCORPORATED FOR ACCESS, WHICH IS RESTRICTED.	OTHER RARE PLANTS AT SITE: ASTER [SOLIDAGO] PTARMICOIDES.
Draba ramosissima	Fair or poor estimated viability	FORESTED AREA WITH W-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE. 1994: "SCATTERED ON ROCK OUTCROPS THROUGHOUT AREA".	DATA INCOMPLETE. MANY PLANTS SEEN IN ROCKY PLACES NEAR RIVER BANKS.	RIVERBANKS AT K-25 PLANT, ORR. RIVER RIGHT BETWEEN CLINCH RIVER MILES 11.4 AND 11.9. ACCESS BY CANOE FROM THE RIVER. SECURITY FOR K-25 WOULD RESTRICT LAND ACCESS.	AUREOLARIA PATULA [EOR.018*TN] ALSO AT SITE.
Elodea nuttallii	Fair estimated viability	EMBAYMENT ON WATTS BAR LAKE SEPARATED FROM MAIN CHANNEL BY A CULVERT.	DATA INCOMPLETE.	ORR, EMBAYMENT OF UNNAMED CREEK OFF OF WATTS BAR LAKE; MOUTH OF EMBAYMENT OPPOSITE JONES ISLAND AT RIVER MILE 20; ACCESS FROM RD ALONG N MARGIN OF LAKE.	<Null>
Fusconaia cor	Extirpated	<Null>	ORTMANN (1918) REPORTED THE SPECIES FROM THIS LOCALITY. SPEC. IN WALKER COLL., EXAMINED BY ORTMANN. EXACT COLLECTING DATE UNKNOWN.	POPLAR CREEK, TRIBUTARY TO CLINCH RIVER. EXACT LOCATION IS UNKNOWN, PLOTTED NEAR THE MOUTH.	<Null>
Fusconaia cuneolus	Verified extant (viability not assessed)	<Null>	SPEC. OBSERVED OR COLLECTED BY ORTMANN.	POPLAR CREEK, TRIBUTARY TO CLINCH RIVER. ASSUMED TO BE NEAR MOUTH. PLOTTED JUST UPSTREAM FROM MOUTH AT CREEK MILE 0.2.	AREA NOW IMPOUNDED BY WATTS BAR RESERVOIR RESERVATION

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Helianthus occidentalis	Verified extant (viability not assessed)	CEDAR BARRENS WITH DRY SHALLOW CHERTY LOAM.	2011-09-20: OBSERVED BY JACK CARMAN AND MARGARET RHINEHART; NO EO DATA PROVIDED. 1981-08-21: FREQUENT	EAST OF CROWDER CEMETARY	DISCOVERED BY TOM PATRICK ON 21 AUG 81. 2003: MOST INFORMATION COPIED FROM PDSCR011030*001*TN.
Heron rookery	Verified extant (viability not assessed)	PINE TREE STAND	PULLIN (1988) REPORTED A GREAT BLUE HERON COLONY AT THIS LOCALITY COMPOSED OF 31 NESTS IN MARCH 1988 AND 35 NESTS IN 1987. PULLIN (1987) REPORTED 12-18 NESTS IN 1986.	AT K-25 GASEOUS DIFFUSION PLANT ALONG POPLAR CREEK.	<Null>
Heron rookery	Verified extant (viability not assessed)	<Null>	40+ BIRDS ACTIVE OVER LAST 5 YEARS; GREAT EGRET ALSO SEEN ADJ. TO THIS ROOKERY (94-06-11).	NORTH BANK OF POPLAR CREEK INSIDE K-25 SITE. GREAT BLUE HERON (ARDEA HERODIAS) NESTS LOCATED IN A FORESTED WETLAND.	POUNDS ET AL. "...ROOKERY IS THE FOCUS OF A RESEARCH PROJECT."
Io fluvialis	Verified extant (viability not assessed)	<Null>	1 SPECIMEN COLL.	CLINCH RIVER, NEAR WALLER'S FERRY.	<Null>
Io fluvialis	Verified extant (viability not assessed)	<Null>	Exempted from Disclosure by Statute	MOUTH OF WHITEOAK CREEK @ CLINCH RM 20.8.	SPECIMENS IN COLLECTION HAD BEEN TYPED PREVIOUSLY BY UNKNOWN PERSONNEL; COLLECTION EXAMINED 12/94 BY DIW.

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Juglans cinerea	Poor estimated viability	DATA INCOMPLETE.	ONE SMALL TREE WITH THE UPPER PART DEAD.	ORR, S SIDE WHITE OAK CREEK EMBAYMENT, NEAR SHORE OF WATTS BAR LAKE ON A SMALL PENINSULA OF LAND BETWEEN E END OF JONES ISLAND AND RIVER MILE 21.	LARRY POUNDS, IN DECEMBER 1994, EXPRESSED SOME DOUBT ABOUT THE IDENTITY OF THE BUTTERNUT SPECIMENS; THEY COULD BE BLACK WALNUT.
Lampsilis abrupta	Verified extant (viability not assessed)	<Null>	ONE SPECIMEN COLLECTED IN APRIL 1982 BY TVA BIOLOGISTS CONDUCTING AN ASSESSMENT FOR THE CLINCH RIVER BREEDER REACTOR. 1983 OBSERVATIONS FROM TVA.	CLINCH RM 19.1	<Null>
Liatris cylindracea	Good estimated viability	OPEN CEDAR BARRENS, SILPHIUM TETEBINTHINACEUM DOMINANT.	TOM PATRICK SAY IT APPEARS TO BE HYBRIDIZING WITH LIATRIS SQUARROSA AT THIS SITE (PERS. COMM., 1981) IN APPENDIX XXI TO ENVIRONMENTAL IMPACT REPORT FOR PROPOSED KOPPERS SYNFUELS PROJECT.	CA 0.25MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE RD AT BAS E OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE)	DISCOVERED BY TOM PATRICK IN 1981. DELPHINIUM EXALTATUM, SOLIDAGO PTARMICOIDES, AGALINIS AURICULATA ALSO AT SITE; SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.
Myotis grisescens	Verified extant (viability not assessed)	<Null>	GRAY BATS DETECTED ALONG THE POND WITH ANABAT.	POND K1007P1 AT OAK RIDGE RESERVATION.	<Null>
Napaeozapus insignis	Historical	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>
Obovaria retusa	Historical	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Oligoneuron album	Good estimated viability	OPEN CEDAR BARRENS, SILPHIUM TEREBINTHINACEUM DOMINANT. PRAIRIE LIKE BARRENS HABITAT WITH THIN ERODED, CHERTY SOIL OVER LIMESTONE	2011-09-20: OBS. BY JACK CARMAN AND MARGARET RHINEHART; NO EO DATA PROVIDED. 1994-08-13: HUNDREDS OF PLANTS SEEN IN FLR. 1981: PATRICK DESCRIBED POP. AS "SMALL, AND CONSISTS OF SEVERAL FLOWERING PLANTS."	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE ROAD AT BASE OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE).	DISCOVERED BY TOM PATRICK IN 1981. DELPHINIUM EXALTATUM, LIATRIS CYLINDRACEA, AGALINIS AURICULATA ALSO AT SITE; SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.
Ophisaurus attenuatus longicaudus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	SIGHT RECORD. PLOTTED FROM MAP RECEIVED FROM LINDA MANN ON 18 DECEMBER 1979.	<Null>	PLOTTED FROM MAP RECEIVED FROM LINDA K. MANN ON 18 DECEMBER 1979. PART OF FORMER PROPOSED SITE FOR LIQUID METAL FAST BREEDER REACTOR.

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	1981-05-27 (PATRICK, T. S.) VERY SCARCE; THREE SMALL PATCHES IN RICH RAVINE, FIRST TRIBUTARY TO ROBERTS BRANCH ON THE NORTH SIDE OF PINE RIDGE. (BUD).	RICH RAVINE, FIRST TRIBUTARY TO ROBERTS BRANCH ON THE NORTH SIDE OF PINE RIDGE.	LAND FORMALLY PART OF DOE-ORR, TRANSFERRED TO BOEING INC.

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	<Null>	35*54.709N 84*22.698W. ON GRASSY CREEK HPA. NEW PLAN PARCEL 146.	<Null>

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	<Null>	JUST NORTH OF THE CLINCH RIVER AND JONES ISLAND, AT TOP OF SOUTHEAST FACING BLUFFS. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>
Pituophis melanoleucus melanoleucus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>
Platanthera flava var. herbiola	Verified extant (viability not assessed)	<Null>	<Null>	NORTH OF BEAR CREEK AND BEAR CREEK ROAD, ON LOWER SOUTH-FACING BLUFFS OF PINE RIDGE, CA. 1.5 MILES WEST OF HIGHWAY 95. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>
Plethobasus cooperianus	Verified extant (viability not assessed)	<Null>	SPECIMEN HOUSED IN UNCATALOGUED ORR MUSSEL COLLECTION, KATIE'S KITCHEN; COLLECTOR UNKNOWN.	ORR- CLINCH RM 20.4, WATTS BAR RESERVOIR.	SPECIMENS IN COLLECTION HAD BEEN TYPED PREVIOUSLY BY UNKNOWN PERSONNEL; COLLECTION EXAMINED 12/94 BY DIW.

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Plethobasus cyphyus	Verified extant (viability not assessed)	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	TWRA AND TDEC (1994) REPORTED 1 LIVE INDIVIDUAL AT THIS LOCALITY	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>
Pleurobema rubrum	Verified extant (viability not assessed)	<Null>	AHLSTEDT (1984) REPORTED ONE SPECIMEN FROM THIS LOCALITY AS RESULT OF FLOAT SURVEY WITH 4-5 DIVERS. AVERAGE SEARCH TIME PER DIVER 60-90 MINUTES.	CLINCH RIVER MILE 14, GALLAHER BRIDGE.	<Null>
Pseudognaphalium helleri	Verified extant (viability not assessed)	OPEN CEDAR BARRENS; (PRESUMABLY) PRAIRIE LIKE BARRENS HABITAT WITH THIN ERODED, CHERTY SOIL OVER LIMESTONE	DATA INCOMPLETE. FROM TVHP: SEARCHED FOR BY LARRY POUNDS AND NOT FOUND DURING THE 1990S.	DRY CALCAREOUS SOIL ADJACENT TO THE CLINCH RIVER (WATTS BAR LAKE) ON CAMPBELL BEND. NEED MORE EXACT INFO. MAPPED AT MARGNUM 4 FOR TEMPORARY CONVENIENCE.	MAPPED AT MARGNUM 4 FOR CONVENIENCE; NEED TO DETERMINE EXACT LOCATION!; DISCOVERED BY TOM PATRICK (1983?). DELPHINIUM EXALTATUM, SOLIDAGO PTARMICOIDES, LIATRIS CYLINDRACEA, AGALINIS AURICULATA ON OTHER PARTS OF SITE; (SILPHIUM TEREBINTHINACEUM DOMINANT IN BARRENS).
Quadrula cylindrica strigillata	Historical	<Null>	Exempted from Disclosure by Statute	CONFL. OF WHITEOAK CREEK AND CLINCH RIVER @ CLINCH RM 20.8.	SPECIMENS IN COLLECTION HAD BEEN TYPED PREVIOUSLY BY UNKNOWN PERSONNEL; COLLECTION EXAMINED 12/94 BY DIW; AHLSTEDT (PERS COMM) CONSIDERS ALL Q. CYLINDRICA IN CLINCH TO BE Q.C. STRIGILLATA.
Sorex dispar	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>
Sorex fumeus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>
Sorex fumeus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	JONES ISLAND, CLINCH RIVER	<Null>
Sorex longirostris	Historical	<Null>	HOWELL AND DUNAWAY (1959) REPORTED THAT 2 SPECIMENS WERE OBSERVED AT THIS LOCALITY ON JULY 18, 1958.	THE WHITE OAK LAKE BED, PLOTTED ALONG WHITE WING ROAD, 0.7 AIR MILES NORTH OF THE BRIDGE OVER WHITEOAK LAKE.	<Null>

SCIENTIFIC_ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Sorex longirostris	Historical	<Null>	HOWELL AND DUNAWAY (1959) REPORTED THAT 2 SPECIMENS WERE OBSERVED AT THIS LOCALITY ON JULY 18, 1958.	FROM THE WHITE OAK LAKE BED, PLOTTED ALONG WHITE WING ROAD, 0.5 AIR MILES NW OF THE BRIDGE OVER WHITEOAK LAKE.	<Null>
Sorex longirostris	Verified extant (viability not assessed)	<Null>	MITCHELL ET AL. (1996) REPORTED THAT 2 SPECIMENS WERE CAPTURED AT THIS LOCALITY ON MAY 10, 1995. THE SPECIMENS WERE DEPOSITED IN THE UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION (CAT. NO. WAS NOT GIVEN).	AT MUSKRAT MARSH, NORTH OF JONES ISLAND ALONG AN UNNAMED TRIBUTARY OF THE CLINCH RIVER WITH ITS CONFLUENCE AT CLINCH RIVER MILE 20.	PLOTTED ACCORDING TO THE MAP GIVEN IN THE SOURCE.
Sorex longirostris	Verified extant (viability not assessed)	<Null>	MITCHELL ET AL. (1996) REPORTED THAT 1 SPECIMEN WAS COLLECTED ON SEPTEMBER 26 AND 1 SPECIMEN ON NOVEMBER 7, 1995 AT THIS LOCALITY. THE SPECIMENS WERE DEPOSITED IN THE UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION (CAT. NOS. WERE NOT GIVEN).	ALONG BEAR CREEK ROAD, AT ITS JUNCTION WITH GRASSY CREEK.	PLOTTED ACCORDING TO THE MAP GIVEN IN THE SOURCE.
Spiranthes lucida	Verified extant (viability not assessed)	<Null>	<Null>	K-25 FILTRATION PLANT WETLAND, NEAR K1515 LAGOON. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>
Synaptomys cooperi	Historical	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>
Zapus hudsonius	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Accipiter striatus	Forests and open woodlands.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Agalinis auriculata	Barrens	Upland	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Jackson Plain Prairie and Barrens (CES203.353); Suitable: Interior Low Plateau--Eastern Highland Rim Prairie and Barrens (CES202.354); Suitable: Interior Low Plateau--Pennyroyal Karst Plain Prairie and Barrens (CES202.355); Suitable: Interior Low Plateau--Western Highland Rim Prairie and Barrens (CES202.352); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Cunningham, M. 1989. Status Survey in Tennessee for Tomanthera auriculata. Rept. prepared for The Nature Conservancy on subcontract from U.S. Fish & Wildlife Serv. 6 pp.
Aimophila aestivalis	Dry open pine or oak woods; nests on the ground in dense cover.	Upland	<Null>	HOWELL, J. C. 1958. LONG-RANGE ECOLOGICAL STUDY OF THE OAK RIDGE AREA: I. OBSERVATIONS ON THE SUMMER BIRDS IN MELTON VALLEY. OAK RIDGE NATL. LAB. CENTRAL FILE NO. 58-6-14.
Aneides aeneus	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Aneides aeneus	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Aneides aeneus	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland	<Null>	Klein, J.A. 1989. A checklist of the reptiles and amphibians on the Department of Energy Oak Ridge Reservation, Anderson and Roane Counties, Tennessee. Journal of Tennessee Academy of Science 64(4):228-230.
Aneides aeneus	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Aneides aeneus	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Aureolaria patula	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Aureolaria patula	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.
Aureolaria patula	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Aureolaria patula	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Aureolaria patula	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Chrosomus tennesseensis	First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	Aquatic	<Null>	RYON, M. G. 1991. PERSONAL NOTE ON MAPS FROM AUTHOR TO PEGGY W. SHUTE REGARDING ORNL POPULATIONS OF PHOXINUS TENNESSEENSIS POPULATIONS.
Cryptobranchus alleganiensis	Rocky, clear creeks and rivers with large shelter rocks.	Aquatic	<Null>	WITHERS, DAVID. AUGUST 28, 1995 PERSONAL CORRESPONDANCE TO BILL REDMOND AND FLOYD SCOTT CONCERNING AMPHIBIAN DATA FROM THE TENNESSEE HERITAGE PROGRAM
Cumberlandia monodonta	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	Aquatic	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Cyprogenia stegaria	Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	Aquatic	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.
Delphinium exaltatum	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Delphinium exaltatum	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Draba ramosissima	Calcareous Bluffs	Upland	Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Marginal: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356); Suitable: Southern Blue Ridge--Southern Appalachian Montane Cliff and Talus (CES202.330); Suitable: Southern Blue Ridge--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Elodea nuttallii	Aquatic; Streams And Ponds	Aquatic	Suitable: All Provinces--Converted Wetland (Riverine) (); Suitable: Mississippi Alluvial Plain--Mississippi River Bottomland Depression (CES203.490); Suitable: Mississippi Alluvial Plain--Mississippi River High Floodplain Forest (CES203.196); Suitable: Mississippi Alluvial Plain--Mississippi River Low Floodplain Forest (CES203.195); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Ridge and Valley--South-Central Interior Large Floodplain (CES202.705)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Fusconaia cor	Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	Aquatic	<Null>	Ortmann, A.E. 1918a. The nayades (freshwater mussels) of the Upper Tennessee Drainage. Proceedings of the American Philosophical Society 57: 577-580.
Fusconaia cuneolus	Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	Aquatic	<Null>	Ortmann, A.E. 1918a. The nayades (freshwater mussels) of the Upper Tennessee Drainage. Proceedings of the American Philosophical Society 57: 577-580.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Helianthus occidentalis	Limestone Glades And Barrens	Upland	Suitable: Gulf Coastal Plain--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Pennyroyal Karst Plain Prairie and Barrens (CES202.355); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Cunningham, M. 1989. Status Survey in Tennessee for Tomanthera auriculata. Rept. prepared for The Nature Conservancy on subcontract from U.S. Fish & Wildlife Serv. 6 pp.
Heron rookery	<Null>	<Null>	<Null>	PULLIN, BURLINE P. 1988. 1988 SURVEY OF WADING BIRD COLONIES IN THE TENNESSEE VALLEY REGION. TENNESSEE VALLEY AUTHORITY, NORRIS, TN.
Heron rookery	<Null>	<Null>	<Null>	POUNDS, L.R., P.D. PARR, AND M.G. RYON. 1993 [AUG]. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 30: ORNERP NATURAL AREAS AND REFERENCE AREAS-ORR ENVIRONMENTALLY SENSITIVE SITES CONTAINING SPECIAL PLANTS, ANIMALS, AND COMMUNITIES. ENV. SCI. DIV. PUB. NO. 3995.
Io fluvialis	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	Aquatic	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.
Io fluvialis	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	Aquatic	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Juglans cinerea	Rich Woods And Hollows	Possible	Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Dry Upland Hardwood Forest (CES203.483); Marginal: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Marginal: Gulf Coastal Plain--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Suitable: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Lampsilis abrupta	Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	Aquatic	<Null>	JENKINSON, JOHN J. PERSONAL FIELD SURVEY SHEETS.
Liatris cylindracea	Barrens	Upland	Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Western Highland Rim Prairie and Barrens (CES202.352); Suitable: Cumberland Plateau and Mountains--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Marginal: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Myotis grisescens	Cave obligate year-round; frequents forested areas; migratory.	Upland	<Null>	U.S. FISH AND WILDLIFE SERVICE. DATA EXCHANGE WITH THE COOKEVILLE, TN FIELD OFFICE. FEDERALLY THREATENED AND ENDANGERED SPECIES OCCURRENCES.
Napaeozapus insignis	Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Obovaria retusa	Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	Aquatic	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Oligoneuron album	Barrens	Upland	Suitable: Cumberland Plateau and Mountains--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Patrick, T.S., B.E. Wofford, & D.H. Webb. 1983. State Records and Other Noteworthy Collections of Tennessee Plants. IV. Castanea 48(2): 109-116.
Ophisaurus attenuatus longicaudus	Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Panax quinquefolius	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	MANN, L.K. OAK RIDGE NATIONAL LABORATORY, ENVIRONMENTAL SCIENCES DIVISION.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Panax quinquefolius	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Panax quinquefolius	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	TENNESSEE VALLEY AUTHORITY E-MAIL FROM WESLEY JAMES TO PATRICIA COX NATURAL HERITAGE APRIL 27 2005 NEW DATA RECORD.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Panax quinquefolius	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Pituophis melanoleucus melanoleucus	Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Platanthera flava var. herbiola	Swamps And Floodplains	Possible	Preferred: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Marginal: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Plethobasus cooperianus	Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	Aquatic	<Null>	MITCHELL, JASON. 1995. LIST OF THREATENED AND ENDANGERED SPECIES FOUND ON THE OAK RIDGE RESERVATION.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Plethobasus cyphyus	Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.	Aquatic	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS
Pleurobema rubrum	Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.	Aquatic	<Null>	Ahlstedt, S.A. 1984. Twentieth century changes in the freshwater mussel fauna of the Clinch River (Tennessee and Virginia). M.S. Thesis, The University of Tennessee, Knoxville, Tennessee. 102 pp.
Pseudognaphalium helleri	Dry Sandy Woods	Upland	Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Suitable: Ridge and Valley--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Quadrula cylindrica strigillata	Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form.	Aquatic	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Sorex dispar	Mountainous, forested areas with loose talus; east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Sorex fumeus	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Sorex fumeus	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Sorex longirostris	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible	<Null>	HOWELL, J.C. AND P.B. DUNAWAY. 1959 LONG-TERM ECOLOGICAL STUDY OF THE OAK RIDGE AREA: II OBSERVATIONS ON THE MAMMALS WITH SPECIAL REFERENCE TO MELTON VALLEY. OAK RIDGE NATIONAL LABORATORY REPORT NO. 59-10-126.

SCIENTIFIC_ NAME	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Sorex longirostris	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible	<Null>	HOWELL, J.C. AND P.B. DUNAWAY. 1959 LONG-TERM ECOLOGICAL STUDY OF THE OAK RIDGE AREA: II OBSERVATIONS ON THE MAMMALS WITH SPECIAL REFERENCE TO MELTON VALLEY. OAK RIDGE NATIONAL LABORATORY REPORT NO. 59-10-126.
Sorex longirostris	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible	<Null>	MITCHELL, J. M., E. R. VAIL, J. W. WEBB, J. W. EVANS, A. L. KING, AND P. A. HAMLETT. 1996. SURVEY OF PROTECTED TERRESTRIAL VERTEBRATES ON THE OAK RIDGE RESERVATION. FINAL REPORT. LOCKHEED MARTIN ENERGY SYSTEMS, INC., ENVIRONMENTAL RESTORATION DIVISION, OAK RIDGE, TN. JULY 1996.
Sorex longirostris	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible	<Null>	MITCHELL, J. M., E. R. VAIL, J. W. WEBB, J. W. EVANS, A. L. KING, AND P. A. HAMLETT. 1996. SURVEY OF PROTECTED TERRESTRIAL VERTEBRATES ON THE OAK RIDGE RESERVATION. FINAL REPORT. LOCKHEED MARTIN ENERGY SYSTEMS, INC., ENVIRONMENTAL RESTORATION DIVISION, OAK RIDGE, TN. JULY 1996.
Spiranthes lucida	Alluvial Woods And Moist Slopes	Possible	Suitable: All Provinces--South-Central Interior Large Floodplain (CES202.705); Suitable: All Provinces--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Interior Low Plateau--Interior Low Plateau Seepage Fen (CES202.346); Suitable: Interior Low Plateau--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Cumberland Plateau and Mountains--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Cumberland Plateau and Mountains--South-Central Interior Large Floodplain (CES202.705); Suitable: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Ridge and Valley--South-Central Interior Large Floodplain (CES202.705); Suitable: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--Southern and Central Appalachian Bog and Fen (CES202.300); Suitable: Southern Blue Ridge--South-Central Interior Large Floodplain (CES202.705); Suitable: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Southern Blue Ridge--Southern and Central Appalachian Bog and Fen (CES202.300); Suitable: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Synaptomys cooperi	Marshy meadows, wet balds, & rich upland forests.	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Zapus hudsonius	Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Accipiter striatus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Agalinis auriculata	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION
Aimophila aestivalis	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR NEW ZION BOGGY [NA42]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR RACCOON CREEK GOLDENSEAL AREA [NA6]; ORR ENV. SCI. DIVISION (ESD) LILY SITE [NA31]	DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR REIN-ORCHID SWAMP [NA4]; ORR NEW ZION BOGGY [NA42]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR DUCT ISLAND ROAD BLUFFS [NA-37]	DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR RACCOON CREEK GOLDENSEAL AREA [NA6]	DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Chrosomus tennesseensis	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Cryptobranchus alleganiensis	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>
Cumberlandia monodonta	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Cyprogenia stegaria	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Delphinium exaltatum	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION
Delphinium exaltatum	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Draba ramosissima	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR DUCT ISLAND ROAD BLUFFS [NA-37]	DOE OAK RIDGE RESERVATION
Elodea nuttallii	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Fusconaia cor	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Fusconaia cuneolus	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Helianthus occidentalis	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION
Heron rookery	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Heron rookery	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR LOWER POPLAR CREEK ROOKERY [RA30]	<Null>
Io fluvialis	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>
Io fluvialis	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Juglans cinerea	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>
Lampsilis abrupta	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>
Liatris cylindracea	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION
Myotis grisescens	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Napaeozapus insignis	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION
Obovaria retusa	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Oligoneuron album	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION
Ophisaurus attenuatus longicaudus	Loudon (TN); Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Panax quinquefolius	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Panax quinquefolius	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Panax quinquefolius	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Panax quinquefolius	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR RACCOON CREEK GOLDENSEAL AREA [NA6]	DOE OAK RIDGE RESERVATION
Pituophis melanoleucus melanoleucus	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Platanthera flava var. herbiola	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Plethobasus cooperianus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Plethobasus cyphyus	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Pleurobema rubrum	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	<Null>
Pseudognaphalium helleri	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]; ORR CAMPBELL BEND BLUFFS AND FOREST [NA1]	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION; CAMPBELL BEND BARRENS DESIGNATED STATE NATURAL AREA
Quadrula cylindrica	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Quadrula cylindrica strigillata	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Sorex dispar	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Sorex fumeus	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Sorex fumeus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>
Sorex longirostris	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC_ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Sorex longirostris	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Sorex longirostris	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Sorex longirostris	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Spiranthes lucida	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Synaptomys cooperi	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION
Zapus hudsonius	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Accipiter striatus	Sharp-shinned Hawk	Vertebrate Animal	Bird	1995-PRE	1995-PRE	G5	S3B,S4N	No Status	D
Agalinis auriculata	Earleaved False-foxglove	Vascular Plant	Flowering Plant	8/21/1981	8/13/1994	G3	S2	--	E
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1996-05	1996-05	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	1990-00-00	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	9/19/1981	9/10/1994	G3	S3	--	S

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	1994-08-13-00-00	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	8/13/1994	G3	S3	--	S

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1991-PRE	1991-00-00	G3	S3	--	S

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	8/13/1994	G3	S3	--	S
Chrosomus tennesseensis	Tennessee Dace	Vertebrate Animal	Fish	5/30/1990	6/2/2009	G3	S3	--	D

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Cumberlandia monodonta	Spectaclecase	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Cumberlandia monodonta	Spectaclecase	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1981-06-00	8/13/1994	G3	S2	--	E

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1978-00-00	8/13/1994	G3	S2	--	E

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Draba ramosissima	Branching Whitlow-grass	Vascular Plant	Flowering Plant	1993-04-00	1994-04-00	G4	S2	--	S
Fusconaia cor	Shiny Pigtoe	Invertebrate Animal	Mollusc	1919-PRE	1919-PRE	G1	S1	LE, XN	E

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Fusconaia cuneolus	Finerayed Pigtoe	Invertebrate Animal	Mollusc	1919-PRE	1919-PRE	G1	S1	LE, XN	E
Helianthus occidentalis	Naked-stem Sunflower	Vascular Plant	Flowering Plant	8/21/1981	9/20/2011	G5	S2	--	S

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Helianthus occidentalis	Naked-stem Sunflower	Vascular Plant	Flowering Plant	8/4/1981	8/4/1981	G5	S2	--	S
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	1986	3/24/1988	G5	SNR	--	Rare, Not State Listed

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	1986	1986	G5	SNR	--	Rare, Not State Listed
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	1989	1994	G5	SNR	--	Rare, Not State Listed
Lampsilis abrupta	Pink Mucket	Invertebrate Animal	Mollusc	1982-04	1983	G2	S2	LE	E

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Liatris cylindracea	Slender Blazing-star	Vascular Plant	Flowering Plant	1981-00-00	8/13/1994	G5	S2	--	T
Myotis grisescens	Gray Myotis	Vertebrate Animal	Mammal	2008-15-04	2008-15-04	G4	S2	LE	E

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Napaeozapus insignis	Woodland Jumping Mouse	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Oligoneuron album	Prairie Goldenrod	Vascular Plant	Flowering Plant	8/4/1981	9/20/2011	G5	S1S2	--	E

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	1978-00-00	1978-00-00	G3G4	S3S4	--	S-CE

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--	S-CE

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	5/27/1981	G3G4	S3S4	--	S-CE

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	2005	2005	G3G4	S3S4	--	S-CE

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Platanthera flava var. herbiola	Tubercled Rein-orchid	Vascular Plant	Flowering Plant	<Null>	1996	G4?T4Q	S2	--	T
Pleurobema rubrum	Pyramid Pigtoe	Invertebrate Animal	Mollusc	1983	1983	G2G3	S1S2	--	Rare, Not State Listed

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTIO N	ST_PROTECTIO N
Pseudognaphalium helleri	Heller's Catfoot	Vascular Plant	Flowering Plant	1983-PRE	1983-PRE	G4G5	S2	--	S
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	9/26/1995	11/7/1995	G5	S4	--	D

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_ RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Spiranthes lucida	Shining Ladies'-tresses	Vascular Plant	Flowering Plant	<Null>	1996	G4	S1S2	--	T
Synaptomys cooperi	Southern Bog Lemming	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Zapus hudsonius	Meadow Jumping Mouse	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	No Status	D

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Accipiter striatus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE NEST RECORD FROM ORR HISTORIC RECORDS,	ADJACENT TO CLINCH RM 19.0	<Null>	Forests and open woodlands.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science
Agalinis auriculata	Good estimated viability	OPEN CEDAR BARRENS. ASSOC. INCL.: HELIANTHUS OCCIDENTALIS (KNOWN HOST FOR TOMANTHERA), SCHIZACHYRIUM SCOPARIUM, SOLIDAGO RIGIDA, RUDBECKIA FULGIDA, & RATIBIDA	2011-09-20: JACK CARMAN AND MARGARET RHINEHART SEARCHED BUT DID NOT FIND THE	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE ROAD AT BASE OF CAMPBELL BEND IN THE CLINCH RIVER	DISCOVERED BY TOM PATRICK ON 21 AUG 81.	Barrens	Upland	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Jackson Plain Prairie and Barrens (CES203.353);	Cunningham, M. 1989. Status Survey in Tennessee for Tomanthera auriculata. Rept. prepared for The
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	BEAR CREEK VALLEY, NEAR GRASSY CREEK [ARA2]	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	PINE RIDGE	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	BEAR CREEK VALLEY, NEAR GRASSY CREEK [ARA2]	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Aureolaria patula	Verified extant (viability not assessed)	AT THE EDGE OF THE POPLAR CREEK EMBAYMENT ON WATTS BAR LAKE IN DECIDUOUS FOREST.	A FEW CLUMPS.	NORTHEAST OF THE ETTP FACILITIES ON THE SLOPES OF MCKINNEY RIDGE OVERLOOKING POPLAR CREEK.	PLOTTED BY L. POUNDS.	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Aureolaria patula	Fair or poor estimated viability	FORESTED AREA WITH N-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE.	DATA INCOMPLETE. SITE IS ON TRACT WITH FORMER PROPOSED LIQUID METAL FAST BREEDER REACTOR SITE.	NW-FACING SLOPES ABOVE BEAR CREEK VALLEY; SE OF BEAR CREEK RD. HARD TO FIND WAY DIRECTLY THROUGH NEW INDUSTRIAL PARK.	CIMICIFUGA RUBIFOLIA [.001*TN], SAXIFRAGA CAREYANA [.045*TN] ALSO AT SITE.	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE
Aureolaria patula	Good estimated viability	WOODED LIMESTONE SLOPE, BARRENS, AND BLUFF NEAR THE WATER LINE. CANOPY OF ACER SACCHARUM, QUERCUS MUHELENBERGII, OSTRYA, JUNIPERUS, CERCIS, ULMUS	(F,O). STEMS BRITTLE, CLUMPED, OFTEN LEANING OUT OVER THE BANK OF RIVER. 1994: DENSE FOR	FOOT OF WOODED LIMESTONE SLOPE UPSTREAM OF "GOAT ROCK" AT RIVER'S EDGE MOSTLY. SITE IS NEAR CLINCH RIVER	WITH APIOS AMERICANA, LESPEDEZA CUNEATA, ASTRAGALUS CANADENSIS,	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE,

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Aureolaria patula	Fair or poor estimated viability	FORESTED AREA WITH W-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE. 1994: "SCATTERED MOSTLY NEAR THE SHORELINE".	DATA INCOMPLETE. MANY PLANTS SEEN ON RIVER BANK AND IN ROCKY AREAS.	RIVERBANKS AT K-25 PLANT, ORR. RIVER RIGHT BETWEEN CLINCH RIVER MILES 11.4 AND 11.9. ACCESS BY CANOE FROM THE RIVER.	DRABA RAMOSISSIMA [EOR.012*TN] ALSO AT SITE.	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE
Aureolaria patula	Fair estimated viability	SE-FACING SLOPES, FORESTED WITH SOME LIMESTONE ROCK OUTCROPS.	DATA INCOMPLETE.	ORR BLACKOAK RIDGE RIVER BLUFFS, RIVER RIGHT BETWEEN CLINCH RIVER MILES 10.5 AND 11; ACCESS BY BOAT MOST EASILY; LAND ACCESS RESTRICTED BY ORR SECURITY.	CIMICIFUGA RUBIFOLIA [EOR.038*TN] AT SAME LAT/LONG, BUT NOT EXTENDING ALONG THE BLUFF TO THE SW AND NE.	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Aureolaria patula	Poor estimated viability	EDGE OF A POND AND WETLAND.	1991: ONLY TWO PLANTS SEEN.	N END OF SMALL EMBAYMENT N OF BEAR CREEK RD, NEAR ITS DEAD END AT THE CLINCH RIVER S OF GALLAHER BRIDGE.	Marginal population. This EOR was attached to a SBR. The decision to delete the SBR came from an expert meeting at ORR on 12-98. Record was deleted on 05-03-99.	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Aureolaria patula	Good or fair estimated viability	RIVER BANK AND TALUS SLOPE; SE-FACING SLOPES, FORESTED WITH SOME LIMESTONE ROCK OUTCROPS.	DATA INCOMPLETE. PART OF AN EXTENSIVE POPULATION ALONG THE BANKS OF THE CLINCH RIVER IN THIS AREA.	ORR BLACKOAK RIDGE RIVER BLUFFS, RIVER RIGHT BETWEEN CLINCH RIVER MILES 11 AND 11.3; ACCESS BY BOAT MOST EASILY; LAND ACCESS RESTRICTED BY ORR SECURITY.	POPULATION EXTENDS ALONG THE BLUFFS AND RIVER BANK FOR A TOTAL OF ABOUT 1.5 MILES IN THIS AREA.	Oak Woods And Edges	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Chrosomus tennesseensis	Verified extant (viability not assessed)	<Null>	SWAP[2009-06-02: 2 Indiv. Observed(1 location)] 1990-05-30: SCHILLING OBS. NEST & BRIGHT RED MALES AT THIS SITE.	ISH CREEK	<Null>	First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.	Aquatic	<Null>	RYON, M. G. 1991. PERSONAL NOTE ON MAPS FROM AUTHOR TO PEGGY W. SHUTE REGARDING ORNL POPULATIONS OF PHOXINUS TENNESSEENSIS POPULATIONS.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Cumberlandia monodonta	Historical	SUBSTRATE-- SAND GRAVEL MUD BOULDERS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 15.7. SYCAMORE DAYMARK	TWRA AND TDEC DIVERS SPENT 120 MIN AT THIS LOCALITY	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	Aquatic	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS
Cumberlandia monodonta	Historical	SUBSTRATE-- BROKEN SHELF ROCK AND GRAVEL. DEPTH 30 FT	Exempted from Disclosure by Statute	CLINCH RIVER MILE 10.0 AT BRASHEAR ISLAND	TWRA AND TDEC DIVERS SPENT 240 MIN AT THIS LOCALITY	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	Aquatic	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS
Delphinium exaltatum	Good estimated viability	OPEN CEDAR BARRENS, ALONG JEEP TRAIL	1994: A FEW PLANTS SEEN IN WOODS, SOME WITH FRUIT. THIS IS THE LARGEST OF THREE POPULATIONS FOUND BY PATRICK IN THE CAMPBELL BEND AREA.	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE RD AT BASE OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE). FORMER "O" SEGMENT OF OAK RIDGE RESERVATION.	DISCOVERED BY TOM PATRICK IN JUNE, 1981. LIATRIS CYLINDRACEA, ASTER [SOLIDAGO] PTARMICOIDES, AGALINIS [TOMANTHERA] AURICULATA AT SITE. SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Delphinium exaltatum	Fair or poor estimated viability	BARREN ON CHICKAMAUGA LIMESTONE WITH SCHIZACHYRIUM SCOPARIUM, SILPHIUM TEREBINTHINACEUM, AND ASTER [SOLIDAGO] PTARMICOIDES.	SITE RECORD (SIGHT?). PLOTTED FROM MAP PROVIDED BY LINDA MANN; MAP RECEIVED 18 DECEMBER 1979.	CROWDER CEMETARY CEDAR BARRENS; CONTACT BOEING TENNESSEE INCORPORATED FOR ACCESS, WHICH IS RESTRICTED.	OTHER RARE PLANTS AT SITE: ASTER [SOLIDAGO] PTARMICOIDES.	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Draba ramosissima	Fair or poor estimated viability	FORESTED AREA WITH W-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE. 1994: "SCATTERED ON ROCK OUTCROPS THROUGHOUT AREA".	DATA INCOMPLETE. MANY PLANTS SEEN IN ROCKY PLACES NEAR RIVER BANKS.	RIVERBANKS AT K-25 PLANT, ORR. RIVER RIGHT BETWEEN CLINCH RIVER MILES 11.4 AND 11.9. ACCESS BY CANOE FROM THE RIVER. SECURITY FOR K-25 WOULD RESTRICT LAND ACCESS.	AUREOLARIA PATULA [EOR.018*TN] ALSO AT SITE.	Calcareous Bluffs	Upland	Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Marginal: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356); Suitable: Southern Blue Ridge--Southern Appalachian Montane Cliff and Talus (CES202.330); Suitable: Southern Blue Ridge--Southern	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Fusconaia cor	Extirpated	<Null>	ORTMANN (1918) REPORTED THE SPECIES FROM THIS LOCALITY. SPEC. IN WALKER COLL., EXAMINED BY ORTMANN. EXACT COLLECTING DATE UNKNOWN.	POPLAR CREEK, TRIBUTARY TO CLINCH RIVER. EXACT LOCATION IS UNKNOWN, PLOTTED NEAR THE MOUTH.	<Null>	Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.	Aquatic	<Null>	Ortmann, A.E. 1918a. The nayades (freshwater mussels) of the Upper Tennessee Drainage. Proceedings of the American Philosophical Society 57: 577-580.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Fusconaia cuneolus	Verified extant (viability not assessed)	<Null>	SPEC. OBSERVED OR COLLECTED BY ORTMANN.	POPLAR CREEK, TRIBUTARY TO CLINCH RIVER. ASSUMED TO BE NEAR MOUTH. PLOTTED JUST UPSTREAM FROM MOUTH AT CREEK MILE 0.2.	AREA NOW IMPOUNDED BY WATTS BAR RESERVOIR RESERVATION	Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.	Aquatic	<Null>	Ortmann, A.E. 1918a. The nayades (freshwater mussels) of the Upper Tennessee Drainage. Proceedings of the American Philosophical Society 57: 577-580.
Helianthus occidentalis	Verified extant (viability not assessed)	CEDAR BARRENS WITH DRY SHALLOW CHERTY LOAM.	2011-09-20: OBSERVED BY JACK CARMAN AND MARGARET RHINEHART; NO EO DATA PROVIDED. 1981-08-21: FREQUENT	EAST OF CROWDER CEMETARY	DISCOVERED BY TOM PATRICK ON 21 AUG 81. 2003: MOST INFORMATION COPIED FROM PDSCR011030*001 *TN.	Limestone Glades And Barrens	Upland	Suitable: Gulf Coastal Plain--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Pennyroyal Karst Plain Prairie and Barrens (CES202.355); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens	Cunningham, M. 1989. Status Survey in Tennessee for Tomanthera auriculata. Rept. prepared for The Nature Conservancy on subcontract from U.S. Fish & Wildlife Serv. 6 pp.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Helianthus occidentalis	Verified extant (viability not assessed)	CEDAR BARRENS AND GLADES	COMMON IN BARRENS	ALONG A 0.25 MILE PORTION OF LOOP ROAD TO MCKINNEY CEMETARY.	TWO SPECIMENS: #3571 IS ASSUMED TO BE AT SAME LOCATION OF #3843. #3843: 'SMALL ERODED CEDAR BARRENS ABOUT 0.1 MILE DOWNSTREAM OF CLINCH RIVER OVERLOOK.'	Limestone Glades And Barrens	Upland	Suitable: Gulf Coastal Plain--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Pennyroyal Karst Plain Prairie and Barrens (CES202.355); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.
Heron rookery	Verified extant (viability not assessed)	PINE TREE STAND	PULLIN (1988) REPORTED A GREAT BLUE HERON COLONY AT THIS LOCALITY COMPOSED OF 31 NESTS IN MARCH 1988 AND 35 NESTS IN 1987. PULLIN (1987) REPORTED 12-18 NESTS IN 1986.	AT K-25 GASEOUS DIFFUSION PLANT ALONG POPLAR CREEK.	<Null>	<Null>	<Null>	<Null>	PULLIN, BURLINE P. 1988. 1988 SURVEY OF WADING BIRD COLONIES IN THE TENNESSEE VALLEY REGION. TENNESSEE VALLEY AUTHORITY, NORRIS, TN.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Heron rookery	Verified extant (viability not assessed)	<Null>	GREAT BLUE HERONS (ARDEA HERODIAS) WITH 12-18 ACTIVE NESTS IN PINES BETWEEN BORROW PIT POND AND POPLAR CREEK.	POPLAR CREEK NE OF K-25 PLANT.	JIM EVANS, TWRA REGION III WILDLIFE OFFICER, OAK RIDGE FOMERLY LISTED IN BESTSOURCE FIELD (RAM 10/2003).	<Null>	<Null>	<Null>	Pullin, Burline P. 1986. Survey of Wading Bird Colonies in the Tennessee Valley Region. TVA, Norris, TN.
Heron rookery	Verified extant (viability not assessed)	<Null>	40+ BIRDS ACTIVE OVER LAST 5 YEARS; GREAT EGRET ALSO SEEN ADJ. TO THIS ROOKERY (94-06-11).	NORTH BANK OF POPLAR CREEK INSIDE K-25 SITE. GREAT BLUE HERON (ARDEA HERODIAS) NESTS LOCATED IN A FORESTED WETLAND.	POUNDS ET AL. "...ROOKERY IS THE FOCUS OF A RESEARCH PROJECT."	<Null>	<Null>	<Null>	POUNDS, L.R., P.D. PARR, AND M.G. RYON. 1993 [AUG]. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 30: ORNERP NATURAL AREAS AND REFERENCE AREAS-ORR ENVIRONMENTALLY SENSITIVE SITES CONTAINING SPECIAL PLANTS, ANIMALS, AND COMMUNITIES. ENV. SCI. DIV. PUB. NO. 3995.
Lampsilis abrupta	Verified extant (viability not assessed)	<Null>	ONE SPECIMEN COLLECTED IN APRIL 1982 BY TVA BIOLOGISTS CONDUCTING AN ASSESSMENT FOR THE CLINCH RIVER BREEDER REACTOR. 1983 OBSERVATIONS FROM TVA.	CLINCH RM 19.1	<Null>	Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.	Aquatic	<Null>	JENKINSON, JOHN J. PERSONAL FIELD SURVEY SHEETS.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Liatris cylindracea	Good estimated viability	OPEN CEDAR BARRENS, SILPHIUM TETEBINTHINACEUM DOMINANT.	TOM PATRICK SAY IT APPEARS TO BE HYBRIDIZING WITH LIATRIS SQUARROSA AT THIS SITE (PERS. COMM., 1981) IN APPENDIX XXI TO ENVIRONMENTAL IMPACT REPORT FOR PROPOSED KOPPERS SYNFUELS PROJECT.	CA 0.25MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE RD AT BAS E OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE)	DISCOVERED BY TOM PATRICK IN 1981. DELPHINIUM EXALTATUM, SOLIDAGO PTARMICOIDES, AGALINIS AURICULATA ALSO AT SITE; SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.	Barrens	Upland	Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Western Highland Rim Prairie and Barrens (CES202.352); Suitable: Cumberland Plateau and Mountains--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Myotis grisescens	Verified extant (viability not assessed)	<Null>	GRAY BATS DETECTED ALONG THE POND WITH ANABAT.	POND K1007P1 AT OAK RIDGE RESERVATION.	<Null>	Cave obligate year-round; frequents forested areas; migratory.	Upland	<Null>	U.S. FISH AND WILDLIFE SERVICE. DATA EXCHANGE WITH THE COOKEVILLE, TN FIELD OFFICE. FEDERALLY THREATENED AND ENDANGERED SPECIES OCCURRENCES.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Napaeozapus insignis	Historical	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>	Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Oligoneuron album	Good estimated viability	OPEN CEDAR BARRENS, SILPHIUM TEREBINTHINACEUM DOMINANT. PRAIRIE LIKE BARRENS HABITAT WITH THIN ERODED, CHERTY SOIL OVER LIMESTONE	2011-09-20: OBS. BY JACK CARMAN AND MARGARET RHINEHART; NO EO DATA PROVIDED. 1994-08-13: HUNDREDS OF PLANTS SEEN IN FLR. 1981: PATRICK DESCRIBED POP. AS "SMALL, AND CONSISTS OF SEVERAL FLOWERING PLANTS."	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE ROAD AT BASE OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE).	DISCOVERED BY TOM PATRICK IN 1981. DELPHINIUM EXALTATUM, LIATRIS CYLINDRACEA, AGALINIS AURICULATA ALSO AT SITE; SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.	Barrens	Upland	Suitable: Cumberland Plateau and Mountains--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Patrick, T.S., B.E. Wofford, & D.H. Webb. 1983. State Records and Other Noteworthy Collections of Tennessee Plants. IV. Castanea 48(2): 109-116.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	SIGHT RECORD. PLOTTED FROM MAP RECEIVED FROM LINDA MANN ON 18 DECEMBER 1979.	<Null>	PLOTTED FROM MAP RECEIVED FROM LINDA K. MANN ON 18 DECEMBER 1979. PART OF FORMER PROPOSED SITE FOR LIQUID METAL FAST BREEDER REACTOR.	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low	MANN, L.K. OAK RIDGE NATIONAL LABORATORY, ENVIRONMENTAL SCIENCES DIVISION.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	<Null>	BETWEEN TWO POWERLINE R/O/W'S, ON BANK OVERLOOKING TRIBUTARY OF THE CLINCH RIVER, SOUTH OF SUGAR GROVE VALLEY ROAD, WEST OF OAK RIDGE PLANT. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	1981-05-27 (PATRICK, T. S.) VERY SCARCE; THREE SMALL PATCHES IN RICH RAVINE, FIRST TRIBUTARY TO ROBERTS BRANCH ON THE NORTH SIDE OF PINE RIDGE. (BUD).	RICH RAVINE, FIRST TRIBUTARY TO ROBERTS BRANCH ON THE NORTH SIDE OF PINE RIDGE.	LAND FORMALLY PART OF DOE-ORR, TRANSFERRED TO BOEING INC.	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	<Null>	35*54.709N 84*22.698W. ON GRASSY CREEK HPA. NEW PLAN PARCEL 146.	<Null>	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low	TENNESSEE VALLEY AUTHORITY E-MAIL FROM WESLEY JAMES TO PATRICIA COX NATURAL HERITAGE APRIL 27 2005 NEW DATA RECORD.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Platanthera flava var. herbiola	Verified extant (viability not assessed)	<Null>	<Null>	NORTH OF BEAR CREEK AND BEAR CREEK ROAD, ON LOWER SOUTH-FACING BLUFFS OF PINE RIDGE, CA. 1.5 MILES WEST OF HIGHWAY 95. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Swamps And Floodplains	Possible	Preferred: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Marginal: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Pleurobema rubrum	Verified extant (viability not assessed)	<Null>	AHLSTEDT (1984) REPORTED ONE SPECIMEN FROM THIS LOCALITY AS RESULT OF FLOAT SURVEY WITH 4-5 DIVERS. AVERAGE SEARCH TIME PER DIVER 60-90 MINUTES.	CLINCH RIVER MILE 14, GALLAHER BRIDGE.	<Null>	Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.	Aquatic	<Null>	Ahlstedt, S.A. 1984. Twentieth century changes in the freshwater mussel fauna of the Clinch River (Tennessee and Virginia). M.S. Thesis, The University of Tennessee, Knoxville, Tennessee. 102 pp.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Pseudognaphalium helleri	Verified extant (viability not assessed)	OPEN CEDAR BARRENS; (PRESUMABLY) PRAIRIE LIKE BARRENS HABITAT WITH THIN ERODED, CHERTY SOIL OVER LIMESTONE	DATA INCOMPLETE. FROM TVHP: SEARCHED FOR BY LARRY POUNDS AND NOT FOUND DURING THE 1990S.	DRY CALCAREOUS SOIL ADJACENT TO THE CLINCH RIVER (WATTS BAR LAKE) ON CAMPBELL BEND. NEED MORE EXACT INFO. MAPPED AT MARGNUM 4 FOR TEMPORARY CONVENIENCE.	MAPPED AT MARGNUM 4 FOR CONVENIENCE; NEED TO DETERMINE EXACT LOCATION!; DISCOVERED BY TOM PATRICK (1983?). DELPHINIUM EXALTATUM, SOLIDAGO PTARMICOIDES, LIATRIS CYLINDRACEA, AGALINIS AURICULATA ON OTHER PARTS OF SITE; (SILPHIUM TEREBINTHINACEUM DOMINANT IN BARRENS).	Dry Sandy Woods	Upland	Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Suitable: Ridge and Valley--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Sorex longirostris	Verified extant (viability not assessed)	<Null>	MITCHELL ET AL. (1996) REPORTED THAT 1 SPECIMEN WAS COLLECTED ON SEPTEMBER 26 AND 1 SPECIMEN ON NOVEMBER 7, 1995 AT THIS LOCALITY. THE SPECIMENS WERE DEPOSITED IN THE UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION (CAT. NOS. WERE NOT GIVEN).	ALONG BEAR CREEK ROAD, AT ITS JUNCTION WITH GRASSY CREEK.	PLOTTED ACCORDING TO THE MAP GIVEN IN THE SOURCE.	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible	<Null>	MITCHELL, J. M., E. R. VAIL, J. W. WEBB, J. W. EVANS, A. L. KING, AND P. A. HAMLETT. 1996. SURVEY OF PROTECTED TERRESTRIAL VERTEBRATES ON THE OAK RIDGE RESERVATION. FINAL REPORT. LOCKHEED MARTIN ENERGY SYSTEMS, INC., ENVIRONMENTAL RESTORATION DIVISION, OAK RIDGE, TN. JULY 1996.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Spiranthes lucida	Verified extant (viability not assessed)	<Null>	<Null>	K-25 FILTRATION PLANT WETLAND, NEAR K1515 LAGOON. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Alluvial Woods And Moist Slopes	Possible	Suitable: All Provinces--South-Central Interior Large Floodplain (CES202.705); Suitable: All Provinces--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Interior Low Plateau--Interior Low Plateau Seepage Fen (CES202.346); Suitable: Interior Low Plateau--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Interior Low	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Synaptomys cooperi	Historical	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>	Marshy meadows, wet balds, & rich upland forests.	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Zapus hudsonius	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>	Open grassy fields; often abundant in thick vegetation near water bodies; statewide.	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Accipiter striatus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Agalinis auriculata	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR NEW ZION BOGGY [NA42]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION
Aneides aeneus	Roane (TN)	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR REIN-ORCHID SWAMP [NA4]; ORR NEW ZION BOGGY [NA42]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR MCKINNEY RIDGE HEMLOCKS [RA17]	DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR DUCT ISLAND ROAD BLUFFS [NA-37]	DOE OAK RIDGE RESERVATION
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Aureolaria patula	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Chrosomus tennesseensis	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Cumberlandia monodonta	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Cumberlandia monodonta	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Delphinium exaltatum	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Delphinium exaltatum	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Draba ramosissima	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR DUCT ISLAND ROAD BLUFFS [NA-37]	DOE OAK RIDGE RESERVATION
Fusconaia cor	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Fusconaia cuneolus	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Helianthus occidentalis	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Helianthus occidentalis	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Heron rookery	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Heron rookery	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR UPPER POPLAR CREEK ROOKERY [RA23]	DOE OAK RIDGE RESERVATION
Heron rookery	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR LOWER POPLAR CREEK ROOKERY [RA30]	<Null>
Lampsilis abrupta	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Liatris cylindracea	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION
Myotis grisescens	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Napaeozapus insignis	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION
Oligoneuron album	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Panax quinquefolius	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Panax quinquefolius	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Panax quinquefolius	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Panax quinquefolius	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Platanthera flava var. herbiola	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Pleurobema rubrum	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	<Null>

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Pseudognaphalium helleri	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]; ORR CAMPBELL BEND BLUFFS AND FOREST [NA1]	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION; CAMPBELL BEND BARRENS DESIGNATED STATE NATURAL AREA
Sorex longirostris	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Spiranthes lucida	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Synaptomys cooperi	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION
Zapus hudsonius	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Accipiter striatus	Sharp-shinned Hawk	Vertebrate Animal	Bird	1995-PRE	1995-PRE	G5	S3B,S4N	No Status	D
Agalinis auriculata	Earleaved False-foxglove	Vascular Plant	Flowering Plant	8/21/1981	8/13/1994	G3	S2	--	E
Aimophila aestivalis	Bachman's Sparrow	Vertebrate Animal	Bird	1975	6/20/1975	G3	S1B	--	E
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1982	1983	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--	Rare, Not State Listed

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1996-05	1996-05	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	1990-00-00	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	9/19/1981	9/10/1994	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	1994-08-13-00-00	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	8/13/1994	G3	S3	--	S

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-00-00	1990-PRE	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1994-PRE	1994-PRE	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1991-PRE	1991-00-00	G3	S3	--	S
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	8/13/1994	G3	S3	--	S
Chrosomus tennesseensis	Tennessee Dace	Vertebrate Animal	Fish	5/30/1990	6/2/2009	G3	S3	--	D
Cryptobranchus alleganiensis	Hellbender	Vertebrate Animal	Amphibian	1989-08	1989-08	G3G4	S3	No Status	D

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Cumberlandia monodonta	Spectaclecase	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Cumberlandia monodonta	Spectaclecase	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Cyprogenia stegaria	Fanshell	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G1Q	S1	LE, XN	E
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1981-06-00	8/13/1994	G3	S2	--	E
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1978-00-00	8/13/1994	G3	S2	--	E
Draba ramosissima	Branching Whitlow-grass	Vascular Plant	Flowering Plant	1993-04-00	1994-04-00	G4	S2	--	S

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Fusconaia cor	Shiny Pigtoe	Invertebrate Animal	Mollusc	1919-PRE	1919-PRE	G1	S1	LE, XN	E
Fusconaia cuneolus	Finerayed Pigtoe	Invertebrate Animal	Mollusc	1919-PRE	1919-PRE	G1	S1	LE, XN	E
Helianthus occidentalis	Naked-stem Sunflower	Vascular Plant	Flowering Plant	8/21/1981	9/20/2011	G5	S2	--	S
Helianthus occidentalis	Naked-stem Sunflower	Vascular Plant	Flowering Plant	8/4/1981	8/4/1981	G5	S2	--	S
Hemitremia flammea	Flame Chub	Vertebrate Animal	Fish	1941	1941	G3	S3	--	D

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	1986	3/24/1988	G5	SNR	--	Rare, Not State Listed
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	1986	1986	G5	SNR	--	Rare, Not State Listed
Heron rookery	Heron Rookery	Animal Assemblage	<Null>	6/11/1905	6/16/1905	G5	SNR	--	Rare, Not State Listed
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G2	S2	--	Rare, Not State Listed
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G2	S2	--	Rare, Not State Listed
Lampsilis abrupta	Pink Mucket	Invertebrate Animal	Mollusc	1982-04	1983	G2	S2	LE	E

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Liatris cylindracea	Slender Blazing-star	Vascular Plant	Flowering Plant	1981-00-00	8/13/1994	G5	S2	--	T
Myotis grisescens	Gray Myotis	Vertebrate Animal	Mammal	2008-15-04	2008-15-04	G4	S2	LE	E
Napaeozapus insignis	Woodland Jumping Mouse	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Obovaria retusa	Ring Pink	Invertebrate Animal	Mollusc	6/3/1994	6/3/1994	G1	S1	LE,XN	E
Oligoneuron album	Prairie Goldenrod	Vascular Plant	Flowering Plant	8/4/1981	9/20/2011	G5	S1S2	--	E
Ophisaurus attenuatus longicaudus	Eastern Slender Glass Lizard	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G5T5	S3	--	D

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	1978-00-00	1978-00-00	G3G4	S3S4	--	S-CE

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--	S-CE

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	1975-00-00	1977-00-00	G3G4	S3S4	--	S-CE

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	5/27/1981	G3G4	S3S4	--	S-CE

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	2005	2005	G3G4	S3S4	--	S-CE

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	6/18/1905	G3G4	S3S4	--	S-CE
Pituophis melanoleucus melanoleucus	Northern Pinesnake	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G4T4	S3	--	T
Platanthera flava var. herbiola	Tubercled Rein-orchid	Vascular Plant	Flowering Plant	4/29/1996	4/29/1996	G4?T4Q	S2	--	T

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Platanthera flava var. herbiola	Tubercled Rein-orchid	Vascular Plant	Flowering Plant	5/15/1979	1993-00-00	G4?T4Q	S2	--	T
Platanthera flava var. herbiola	Tubercled Rein-orchid	Vascular Plant	Flowering Plant	4/29/1996	4/29/1996	G4?T4Q	S2	--	T
Platanthera flava var. herbiola	Tubercled Rein-orchid	Vascular Plant	Flowering Plant	<Null>	1996	G4?T4Q	S2	--	T
Plethobasus cyphyus	Sheepnose	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Pleurobema rubrum	Pyramid Pigtoe	Invertebrate Animal	Mollusc	6/5/1905	6/5/1905	G2G3	S1S2	--	Rare, Not State Listed

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Pseudognaphalium helleri	Heller's Catfoot	Vascular Plant	Flowering Plant	1983-PRE	1983-PRE	G4G5	S2	--	S
Sorex dispar	Long-tailed Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G4	S2	--	D
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	1975-03	1975-03	G5	S4	--	D
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	9/26/1995	11/7/1995	G5	S4	--	D

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION
Spiranthes lucida	Shining Ladies'-tresses	Vascular Plant	Flowering Plant	<Null>	1996	G4	S1S2	--	T
Synaptomys cooperi	Southern Bog Lemming	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Zapus hudsonius	Meadow Jumping Mouse	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	No Status	D

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Accipiter striatus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE NEST RECORD FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ADJACENT TO CLINCH RM 19.0	<Null>	Forests and open woodlands.
Agalinis auriculata	Good estimated viability	OPEN CEDAR BARRENS. ASSOC. INCL.: HELIANTHUS OCCIDENTALIS (KNOWN HOST FOR TOMANTHERA), SCHIZACHYRIUM SCOPARIUM, SOLIDAGO RIGIDA, RUDBECKIA FULGIDA, & RATIBIDA PINNATA.	2011-09-20: JACK CARMAN AND MARGARET RHINEHART SEARCHED BUT DID NOT FIND THE SPECIES. THEY DID OBSERVE A. TENUIFOLIA. 1989: 1800-2000 INDIVIDUALS IN POPULATION. 1988: 139 INDIVIDUALS COUNTED. AUG 1981: PATRICK REPT'D CA. 36 PLANTS JUST BEGINNING TO BLOOM. 	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE ROAD AT BASE OF CAMPBELL BEND IN THE CLINCH RIVER (WATT'S BAR LAKE).	DISCOVERED BY TOM PATRICK ON 21 AUG 81.	Barrens
Aimophila aestivalis	Verified extant (viability not assessed)	<Null>	TERRITORIAL PAIR OBS 18 JUNE AND SINGLE BIRD OBS 20 JUNE.	0.3 MI W OF JCT OF BEAR CREEK RD AND WHITE WING RD, IN POWER LINE RIGHT OF WAY.	<Null>	Dry open pine or oak woods; nests on the ground in dense cover.
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	BEAR CREEK VALLEY, NEAR GRASSY CREEK [ARA2]	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.
Aneides aeneus	Fair estimated viability	<Null>	ONE TO THREE INDS LOCATED ON EVERY VISIT TO CAVE DURING VARIOUS TIMES OF THE YEAR, 1982-1983. NONE WERE EVER REMOVED.	IN A SMALL CAVE ALONG COPPER RIDGE ON THE OAK RIDGE RESERVATION. COORDINATES DON'T FALL ON THE RIDGE BUT ON A SMALL RIDGE TO THE WEST.	CAVE HAS NOT, TO KLEIN'S KNOWLEDGE BEEN DISTURBED SINCE 1983.	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	PINE RIDGE	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.
Aneides aeneus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	BEAR CREEK VALLEY, NEAR GRASSY CREEK [ARA2]	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Aureolaria patula	Verified extant (viability not assessed)	AT THE EDGE OF THE POPLAR CREEK EMBAYMENT ON WATTS BAR LAKE IN DECIDUOUS FOREST.	A FEW CLUMPS.	NORTHEAST OF THE ETTP FACILITIES ON THE SLOPES OF MCKINNEY RIDGE OVERLOOKING POPLAR CREEK.	PLOTTED BY L. POUNDS.	Oak Woods And Edges
Aureolaria patula	Fair or poor estimated viability	FORESTED AREA WITH N-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE.	DATA INCOMPLETE. SITE IS ON TRACT WITH FORMER PROPOSED LIQUID METAL FAST BREEDER REACTOR SITE.	NW-FACING SLOPES ABOVE BEAR CREEK VALLEY; SE OF BEAR CREEK RD. HARD TO FIND WAY DIRECTLY THROUGH NEW INDUSTRIAL PARK.	CIMICIFUGA RUBIFOLIA [.001*TN], SAXIFRAGA CAREYANA [.045*TN] ALSO AT SITE.	Oak Woods And Edges
Aureolaria patula	Good estimated viability	WOODED LIMESTONE SLOPE, BARRENS, AND BLUFF NEAR THE WATER LINE. CANOPY OF ACER SACCHARUM, QUERCUS MUHELENBERGII, OSTRYA, JUNIPERUS, CERCIS, ULMUS ALATA.	(F,O). STEMS BRITTLE, CLUMPED, OFTEN LEANING OUT OVER THE BANK OF RIVER. 1994: DENSE FOR CA. 25 METERS, SCATTERED DOWNSTREAM.	FOOT OF WOODED LIMESTONE SLOPE UPSTREAM OF "GOAT ROCK" AT RIVER'S EDGE MOSTLY. SITE IS NEAR CLINCH RIVER MI. 12.5, RIVER LEFT.	WITH APIOS AMERICANA, LESPEDEZA CUNEATA, ASTRAGALUS CANADENSIS, HYPERICUM DENSIFLORUM, AMORPHA FRUTICOSA, ARUNDINARIA. NORTH BANK AS PLOTTED BY T. PATRICK, 6-83.	Oak Woods And Edges
Aureolaria patula	Fair or poor estimated viability	FORESTED AREA WITH W-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE. 1994: "SCATTERED MOSTLY NEAR THE SHORELINE".	DATA INCOMPLETE. MANY PLANTS SEEN ON RIVER BANK AND IN ROCKY AREAS.	RIVERBANKS AT K-25 PLANT, ORR. RIVER RIGHT BETWEEN CLINCH RIVER MILES 11.4 AND 11.9. ACCESS BY CANOE FROM THE RIVER. SECURITY FOR K-25 WOULD RESTRICT LAND ACCESS.	DRABA RAMOSISSIMA [EOR.012*TN] ALSO AT SITE.	Oak Woods And Edges
Aureolaria patula	Fair estimated viability	SE-FACING SLOPES, FORESTED WITH SOME LIMESTONE ROCK OUTCROPS.	DATA INCOMPLETE.	ORR BLACKOAK RIDGE RIVER BLUFFS, RIVER RIGHT BETWEEN CLINCH RIVER MILES 10.5 AND 11; ACCESS BY BOAT MOST EASILY; LAND ACCESS RESTRICTED BY ORR SECURITY.	CIMICIFUGA RUBIFOLIA [EOR.038*TN] AT SAME LAT/LONG, BUT NOT EXTENDING ALONG THE BLUFF TO THE SW AND NE.	Oak Woods And Edges

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Aureolaria patula	Good or fair estimated viability	WOODED ROCKY LIMESTONE BLUFFS.	DATA INCOMPLETE.	WOODED ROCKY BLUFFS, EAST SIDE POPLAR CREEK, N OF EAST FORK VALLEY.	ALSO NOTED AT SCATTERED LOCATIONS ON ROCKY BLUFFS ON POPLAR CREEK OUTSIDE THE NATURAL AREA [NA20].	Oak Woods And Edges
Aureolaria patula	Fair or poor estimated viability	S-FACING SLOPES AND LIMESTONE BLUFFS.	DATA INCOMPLETE.	ORR, S-FACING SLOPES AND BLUFFS AT S END OF HAW RIDGE ABOVE WATTS BAR LAKE; ACCESS FROM RAOD ALONG SHORE OF LAKE.	THIS RECORD NOT NOTED IN REPORTS FROM ORNL; TRANSCRIBED FROM L. POUNDS' PAPER MAP AT ORNL BY MILO PYNE, DEC 1994.	Oak Woods And Edges
Aureolaria patula	Poor estimated viability	EDGE OF A POND AND WETLAND.	1991: ONLY TWO PLANTS SEEN.	N END OF SMALL EMBAYMENT N OF BEAR CREEK RD, NEAR ITS DEAD END AT THE CLINCH RIVER S OF GALLAHER BRIDGE.	Marginal population. This EOR was attached to a SBR. The decision to delete the SBR came from an expert meeting at ORR on 12-98. Record was deleted on 05-03-99.	Oak Woods And Edges
Aureolaria patula	Good or fair estimated viability	RIVER BANK AND TALUS SLOPE; SE-FACING SLOPES, FORESTED WITH SOME LIMESTONE ROCK OUTCROPS.	DATA INCOMPLETE. PART OF AN EXTENSIVE POPULATION ALONG THE BANKS OF THE CLINCH RIVER IN THIS AREA.	ORR BLACKOAK RIDGE RIVER BLUFFS, RIVER RIGHT BETWEEN CLINCH RIVER MILES 11 AND 11.3; ACCESS BY BOAT MOST EASILY; LAND ACCESS RESTRICTED BY ORR SECURITY.	POPULATION EXTENDS ALONG THE BLUFFS AND RIVER BANK FOR A TOTAL OF ABOUT 1.5 MILES IN THIS AREA.	Oak Woods And Edges
Chrosomus tennesseensis	Verified extant (viability not assessed)	<Null>	SWAP[2009-06-02: 2 Indiv. Observed(1 location)] 1990-05-30: SCHILLING OBS. NEST & BRIGHT RED MALES AT THIS SITE.	ISH CREEK	<Null>	First order spring-fed streams of woodlands in Ridge and Valley limestone region; Tennessee River watershed.
Cryptobranchus alleganiensis	Verified extant (viability not assessed)	LARGE RIVER-TAILWATERS BELOW MELTON HILL DAM.	1 ANIMAL CAUGHT USING BAITED HOOK ON TROTLINE.	CLINCH RIVER JUST DOWNSTREAM OF JONES ISLAND (RM 20).	MIKE RYON FAMILIAR WITH THIS OCCURRENCE.	Rocky, clear creeks and rivers with large shelter rocks.

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Cumberlandia monodonta	Historical	SUBSTRATE-- SAND GRAVEL MUD BOULDERS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 15.7. SYCAMORE DAYMARK	TWRA AND TDEC DIVERS SPENT 120 MIN AT THIS LOCALITY	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.
Cumberlandia monodonta	Historical	SUBSTRATE-- BROKEN SHELF ROCK AND GRAVEL. DEPTH 30 FT	Exempted from Disclosure by Statute	CLINCH RIVER MILE 10.0 AT BRASHEAR ISLAND	TWRA AND TDEC DIVERS SPENT 240 MIN AT THIS LOCALITY	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.
Cyprogenia stegaria	Historical	SUBSTRATE-- SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>	Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.
Delphinium exaltatum	Good estimated viability	OPEN CEDAR BARRENS, ALONG JEEP TRAIL	1994: A FEW PLANTS SEEN IN WOODS, SOME WITH FRUIT. THIS IS THE LARGEST OF THREE POPULATIONS FOUND BY PATRICK IN THE CAMPBELL BEND AREA.	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE RD AT BASE OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE). FORMER "O" SEGMENT OF OAK RIDGE RESERVATION.	DISCOVERED BY TOM PATRICK IN JUNE, 1981. LIATRIS CYLINDRACEA, ASTER [SOLIDAGO] PTARMICOIDES, AGALINIS [TOMANTHERA] AURICULATA AT SITE. SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.	Glades And Barrens
Delphinium exaltatum	Fair or poor estimated viability	BARREN ON CHICKAMAUGA LIMESTONE WITH SCHIZACHYRIUM SCOPARIUM, SILPHIUM TEREBINTHINACEUM, AND ASTER [SOLIDAGO] PTARMICOIDES.	SITE RECORD (SIGHT?). PLOTTED FROM MAP PROVIDED BY LINDA MANN; MAP RECEIVED 18 DECEMBER 1979.	CROWDER CEMETARY CEDAR BARRENS; CONTACT BOEING TENNESSEE INCORPORATED FOR ACCESS, WHICH IS RESTRICTED.	OTHER RARE PLANTS AT SITE: ASTER [SOLIDAGO] PTARMICOIDES.	Glades And Barrens
Draba ramosissima	Fair or poor estimated viability	FORESTED AREA WITH W-FACING SLOPES AND LIMESTONE OUTCROPS. POPULATION EXTENDS SEVERAL HUNDRED YARDS ALONG SLOPE. 1994: "SCATTERED ON ROCK OUTCROPS THROUGHOUT AREA".	DATA INCOMPLETE. MANY PLANTS SEEN IN ROCKY PLACES NEAR RIVER BANKS.	RIVERBANKS AT K-25 PLANT, ORR. RIVER RIGHT BETWEEN CLINCH RIVER MILES 11.4 AND 11.9. ACCESS BY CANOE FROM THE RIVER. SECURITY FOR K-25 WOULD RESTRICT LAND ACCESS.	AUREOLARIA PATULA [EOR.018*TN] ALSO AT SITE.	Calcareous Bluffs

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Fusconaia cor	Extirpated	<Null>	ORTMANN (1918) REPORTED THE SPECIES FROM THIS LOCALITY. SPEC. IN WALKER COLL., EXAMINED BY ORTMANN. EXACT COLLECTING DATE UNKNOWN.	POPLAR CREEK, TRIBUTARY TO CLINCH RIVER. EXACT LOCATION IS UNKNOWN, PLOTTED NEAR THE MOUTH.	<Null>	Shoals and riffles of small-medium sized rivers with mod-fast current over sand-cobble substrates; upper Tennessee River watershed.
Fusconaia cuneolus	Verified extant (viability not assessed)	<Null>	SPEC. OBSERVED OR COLLECTED BY ORTMANN.	POPLAR CREEK, TRIBUTARY TO CLINCH RIVER. ASSUMED TO BE NEAR MOUTH. PLOTTED JUST UPSTREAM FROM MOUTH AT CREEK MILE 0.2.	AREA NOW IMPOUNDED BY WATTS BAR RESERVOIR RESERVATION	Riffles of fords and shoals of mod gradient streams in firm cobble and gravel substrates; middle & upper Tennessee River watershed.
Helianthus occidentalis	Verified extant (viability not assessed)	CEDAR BARRENS WITH DRY SHALLOW CHERTY LOAM.	2011-09-20: OBSERVED BY JACK CARMAN AND MARGARET RHINEHART; NO EO DATA PROVIDED. 1981-08-21: FREQUENT	EAST OF CROWDER CEMETARY	DISCOVERED BY TOM PATRICK ON 21 AUG 81. 2003: MOST INFORMATION COPIED FROM PDSCR011030*001*TN.	Limestone Glades And Barrens
Helianthus occidentalis	Verified extant (viability not assessed)	CEDAR BARRENS AND GLADES	COMMON IN BARRENS	ALONG A 0.25 MILE PORTION OF LOOP ROAD TO MCKINNEY CEMETARY.	TWO SPECIMENS: #3571 IS ASSUMED TO BE AT SAME LOCATION OF #3843. #3843: 'SMALL ERODED CEDAR BARRENS ABOUT 0.1 MILE DOWNSTREAM OF CLINCH RIVER OVERLOOK.'	Limestone Glades And Barrens
Hemitremia flammea	Historical	<Null>	253 SPECIMENS REPORTED.	BEAR CREEK, TRIB. TO EAST POPLAR CR., AT SECOND ROAD CROSSING ABOVE... (MOUTH?).	SPECIMENS REPORTED FROM UMMZ COLLECTION AFTER INSPECTION BY ETNIER ET AL. IN 1978.	Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Heron rookery	Verified extant (viability not assessed)	PINE TREE STAND	PULLIN (1988) REPORTED A GREAT BLUE HERON COLONY AT THIS LOCALITY COMPOSED OF 31 NESTS IN MARCH 1988 AND 35 NESTS IN 1987. PULLIN (1987) REPORTED 12-18 NESTS IN 1986.	AT K-25 GASEOUS DIFFUSION PLANT ALONG POPLAR CREEK.	<Null>	<Null>
Heron rookery	Verified extant (viability not assessed)	<Null>	GREAT BLUE HERONS (ARDEA HERODIAS) WITH 12-18 ACTIVE NESTS IN PINES BETWEEN BORROW PIT POND AND POPLAR CREEK.	POPLAR CREEK NE OF K-25 PLANT.	JIM EVANS, TWRA REGION III WILDLIFE OFFICER, OAK RIDGE FOMERLY LISTED IN BESTSOURCE FIELD (RAM 10/2003).	<Null>
Heron rookery	Verified extant (viability not assessed)	<Null>	40+ BIRDS ACTIVE OVER LAST 5 YEARS; GREAT EGRET ALSO SEEN ADJ. TO THIS ROOKERY (94-06-11).	NORTH BANK OF POPLAR CREEK INSIDE K-25 SITE. GREAT BLUE HERON (ARDEA HERODIAS) NESTS LOCATED IN A FORESTED WETLAND.	POUNDS ET AL. "...ROOKERY IS THE FOCUS OF A RESEARCH PROJECT."	<Null>
Io fluvialis	Verified extant (viability not assessed)	<Null>	SPECIMENS COLL.	CLINCH RIVER, WILLIAMSPORT (WILLIAMSPORT NOT LOCATED, PLOTTED AT APPROX. LOCATION OF FORMER WILLIAMS FERRY).	<Null>	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.
Io fluvialis	Verified extant (viability not assessed)	<Null>	1 SPECIMEN COLL.	CLINCH RIVER, NEAR WALLER'S FERRY.	<Null>	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.
Lampsilis abrupta	Verified extant (viability not assessed)	<Null>	ONE SPECIMEN COLLECTED IN APRIL 1982 BY TVA BIOLOGISTS CONDUCTING AN ASSESSMENT FOR THE CLINCH RIVER BREEDER REACTOR. 1983 OBSERVATIONS FROM TVA.	CLINCH RM 19.1	<Null>	Generally a large river species, preferring sand-gravel or rocky substrates with mod-strong currents; Tennessee & Cumberland river systems.

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Liatris cylindracea	Good estimated viability	OPEN CEDAR BARRENS, SILPHIUM TETEBINTHINACEUM DOMINANT.	TOM PATRICK SAY IT APPEARS TO BE HYBRIDIZING WITH LIATRIS SQUARROSA AT THIS SITE (PERS. COMM., 1981) IN APPENDIX XXI TO ENVIRONMENTAL IMPACT REPORT FOR PROPOSED KOPPERS SYNFUELS PROJECT.	CA 0.25MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE RD AT BAS E OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE)	DISCOVERED BY TOM PATRICK IN 1981. DELPHINIUM EXALTATUM, SOLIDAGO PTARMICOIDES, AGALINIS AURICULATA ALSO AT SITE; SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.	Barrens
Myotis grisescens	Verified extant (viability not assessed)	<Null>	GRAY BATS DETECTED ALONG THE POND WITH ANABAT.	POND K1007P1 AT OAK RIDGE RESERVATION.	<Null>	Cave obligate year-round; frequents forested areas; migratory.
Napaeozapus insignis	Historical	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>	Deciduous and coniferous forests with herbaceous groundcover; middle and east Tennessee.
Obovaria retusa	Historical	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>	Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.
Oligoneuron album	Good estimated viability	OPEN CEDAR BARRENS, SILPHIUM TEREBINTHINACEUM DOMINANT. PRAIRIE LIKE BARRENS HABITAT WITH THIN ERODED, CHERTY SOIL OVER LIMESTONE	2011-09-20: OBS. BY JACK CARMAN AND MARGARET RHINEHART; NO EO DATA PROVIDED. 1994-08-13: HUNDREDS OF PLANTS SEEN IN FLR. 1981: PATRICK DESCRIBED POP. AS "SMALL, AND CONSISTS OF SEVERAL FLOWERING PLANTS."	CA 0.25 MI E OF CROWDER CEMETERY JUST OFF LAWNVILLE ROAD AT BASE OF CAMPBELL BEND IN CLINCH RIVER (WATTS BAR LAKE).	DISCOVERED BY TOM PATRICK IN 1981. DELPHINIUM EXALTATUM, LIATRIS CYLINDRACEA, AGALINIS AURICULATA ALSO AT SITE; SILPHIUM TEREBINTHINACEUM DOMINANT IN BARREN.	Barrens
Ophisaurus attenuatus longicaudus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	SIGHT RECORD. PLOTTED FROM MAP RECEIVED FROM LINDA MANN ON 18 DECEMBER 1979.	<Null>	PLOTTED FROM MAP RECEIVED FROM LINDA K. MANN ON 18 DECEMBER 1979. PART OF FORMER PROPOSED SITE FOR LIQUID METAL FAST BREEDER REACTOR.	Rich Woods

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	<Null>	BETWEEN TWO POWERLINE R/O/W'S, ON BANK OVERLOOKING TRIBUTARY OF THE CLINCH RIVER, SOUTH OF SUGAR GROVE VALLEY ROAD, WEST OF OAK RIDGE PLANT. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Rich Woods

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Panax quinquefolius	Historical	NE-FACING SLOPE; DATA INCOMPLETE.	CHAPMAN RIDGE 55. POPULATION OF 30 OR MORE IN 1975.	CA 0.5 MI NW OF INTERSECT OF HWY 95 & BEAR CR RD, NE-FACING SLOPE OF SECONDARY RIDGE TO PINE RIDGE.	THIS RECORD UNVERIFIED BY RECENT FIELD SURVEYS.	Rich Woods

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	1981-05-27 (PATRICK, T. S.) VERY SCARCE; THREE SMALL PATCHES IN RICH RAVINE, FIRST TRIBUTARY TO ROBERTS BRANCH ON THE NORTH SIDE OF PINE RIDGE. (BUD).	RICH RAVINE, FIRST TRIBUTARY TO ROBERTS BRANCH ON THE NORTH SIDE OF PINE RIDGE.	LAND FORMALLY PART OF DOE-ORR, TRANSFERRED TO BOEING INC.	Rich Woods

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	<Null>	35*54.709N 84*22.698W. ON GRASSY CREEK HPA. NEW PLAN PARCEL 146.	<Null>	Rich Woods

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Panax quinquefolius	Verified extant (viability not assessed)	<Null>	<Null>	JUST NORTH OF THE CLINCH RIVER AND JONES ISLAND, AT TOP OF SOUTHEAST FACING BLUFFS. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Rich Woods
Pituophis melanoleucus melanoleucus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.
Platanthera flava var. herbiola	Verified extant (viability not assessed)	<Null>	OBSERVED APRIL 29, 1996	IN HIGHWAY 95 RIGHT-OF-WAY AT INTERSECTION OF HIGHWAY 58 AND HIGHWAY 95. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Swamps And Floodplains

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Platanthera flava var. herbiola	Fair or poor estimated viability	UNDER HARDWOODS IN STANDING WATER; FORESTED WETLAND; BOTTOMLAND HARDWOODS DISSECTED BY SPRINGFED STREAMS.	FLW; SIGHT RECORD OF LINDA MANN. INCORPORATED DATA FROM PMORC1Y081.012 [ACTUALLY VAR HERBIOLA]	ON SR 95, IN WET FOREST ADJOINING AN OPEN AREA WITH SEEPS IN FLOODPLAIN NEAR BEAR CREEK. NERP SITE AT NW BASE OF PINE RIDGE. "THIS SITE COMBINED WITH BEAR CREEK WETLAND IS A TENN. NATURAL AREA".	FOUND IN A SERIES OF THREE WETLANDS IN BEAR CREEK VALLEY. 94-10-26:LONG CORRECTED TO 0842128 FROM 0841128. 94-12-14: LAT LONG CORRECTED, MOVED A LITTLE TO EAST WITH INSTRUCTIONS FROM MANN & POUNDS; OLD LAT LONG 355633N 0842128W. INCORPORATED DATA FROM PMORC1Y081.012 AND THIS LATTER RECORD DELETED 95-01-05 BY MILO PYNE.	Swamps And Floodplains
Platanthera flava var. herbiola	Verified extant (viability not assessed)	<Null>	OBSERVED APRIL 29, 1996	IN HIGHWAY 95 RIGHT-OF-WAY AT INTERSECTION OF HIGHWAY 58 AND HIGHWAY 95. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Swamps And Floodplains
Platanthera flava var. herbiola	Verified extant (viability not assessed)	<Null>	<Null>	NORTH OF BEAR CREEK AND BEAR CREEK ROAD, ON LOWER SOUTH-FACING BLUFFS OF PINE RIDGE, CA. 1.5 MILES WEST OF HIGHWAY 95. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Swamps And Floodplains
Plethobasus cyphyus	Verified extant (viability not assessed)	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	TWRA AND TDEC (1994) REPORTED 1 LIVE INDIVIDUAL AT THIS LOCALITY	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>	Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.
Pleurobema rubrum	Verified extant (viability not assessed)	<Null>	AHLSTEDT (1984) REPORTED ONE SPECIMEN FROM THIS LOCALITY AS RESULT OF FLOAT SURVEY WITH 4-5 DIVERS. AVERAGE SEARCH TIME PER DIVER 60-90 MINUTES.	CLINCH RIVER MILE 14, GALLAHER BRIDGE.	<Null>	Rivers with strong current and firm sand/gravel substrates; TN & Cumb river systems incl KY Reservoir; W Uplands & W Highland Rim.

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Pseudognaphalium helleri	Verified extant (viability not assessed)	OPEN CEDAR BARRENS; (PRESUMABLY) PRAIRIE LIKE BARRENS HABITAT WITH THIN ERODED, CHERTY SOIL OVER LIMESTONE	DATA INCOMPLETE. FROM TVHP: SEARCHED FOR BY LARRY POUNDS AND NOT FOUND DURING THE 1990S.	DRY CALCAREOUS SOIL ADJACENT TO THE CLINCH RIVER (WATTS BAR LAKE) ON CAMPBELL BEND. NEED MORE EXACT INFO. MAPPED AT MARGNUM 4 FOR TEMPORARY CONVENIENCE.	MAPPED AT MARGNUM 4 FOR CONVENIENCE; NEED TO DETERMINE EXACT LOCATION!; DISCOVERED BY TOM PATRICK (1983?). DELPHINIUM EXALTATUM, SOLIDAGO PTARMICOIDES, LIATRIS CYLINDRACEA, AGALINIS AURICULATA ON OTHER PARTS OF SITE; (SILPHIUM TEREBINTHINACEUM DOMINANT IN BARRENS).	Dry Sandy Woods
Sorex dispar	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Mountainous, forested areas with loose talus; east Tennessee.
Sorex fumeus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.
Sorex fumeus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	JONES ISLAND, CLINCH RIVER	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.
Sorex longirostris	Verified extant (viability not assessed)	<Null>	SMITH (1976) REPORTED THAT 66 SPECIMENS WERE TRAPPED AT THIS LOCALITY.	10.0 MI NE OF KINGSTON ON THE OAK RIDGE RESERVATION.	FORMERLY AT MARGNUM 19; THIS BECAME 26 TO DISSOCIATE IT FROM PLATANTHERA RECORD AT OLD MARGNUM 19 WHICH HAD TO BE MOVED. THE OLD MARGNUM 26 WAS A FALSE EOR OF FOTHERGILLA.	Various habitats including wet meadows, damp woods, and uplands; statewide.
Sorex longirostris	Verified extant (viability not assessed)	<Null>	MITCHELL ET AL. (1996) REPORTED THAT 1 SPECIMEN WAS COLLECTED ON SEPTEMBER 26 AND 1 SPECIMEN ON NOVEMBER 7, 1995 AT THIS LOCALITY. THE SPECIMENS WERE DEPOSITED IN THE UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION (CAT. NOS. WERE NOT GIVEN).	ALONG BEAR CREEK ROAD, AT ITS JUNCTION WITH GRASSY CREEK.	PLOTTED ACCORDING TO THE MAP GIVEN IN THE SOURCE.	Various habitats including wet meadows, damp woods, and uplands; statewide.

SCIENTIFIC _ NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Spiranthes lucida	Verified extant (viability not assessed)	<Null>	<Null>	K-25 FILTRATION PLANT WETLAND, NEAR K1515 LAGOON. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]	<Null>	Alluvial Woods And Moist Slopes
Synaptomys cooperi	Historical	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>	Marshy meadows, wet balds, & rich upland forests.
Zapus hudsonius	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	ROBERTS BRANCH WETLANDS COMPLEX [RA24], CLINCH RM 13.5.	<Null>	Open grassy fields; often abundant in thick vegetation near water bodies; statewide.

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Accipiter striatus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Agalinis auriculata	Upland	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Jackson Plain Prairie and Barrens (CES203.353); Suitable: Interior Low Plateau--Eastern Highland Rim Prairie and Barrens (CES202.354); Suitable: Interior Low Plateau--Pennyroyal Karst Plain Prairie and Barrens (CES202.355); Suitable: Interior Low Plateau--Western Highland Rim Prairie and Barrens (CES202.352); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Cunningham, M. 1989. Status Survey in Tennessee for Tomanthera auriculata. Rept. prepared for The Nature Conservancy on subcontract from U.S. Fish & Wildlife Serv. 6 pp.	Roane (TN)
Aimophila aestivalis	Upland	<Null>	NICHOLSON, CHARLES P. 1976. THE BACHMAN'S SPARROW IN TENNESSEE. THE MIGRANT 47:53-60.	Roane (TN)
Aneides aeneus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Aneides aeneus	Upland	<Null>	Klein, J.A. 1989. A checklist of the reptiles and amphibians on the Department of Energy Oak Ridge Reservation, Anderson and Roane Counties, Tennessee. Journal of Tennessee Academy of Science 64(4):228-230.	Roane (TN)
Aneides aeneus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Aneides aeneus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Roane (TN)
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Chrosomus tennesseensis	Aquatic	<Null>	RYON, M. G. 1991. PERSONAL NOTE ON MAPS FROM AUTHOR TO PEGGY W. SHUTE REGARDING ORNL POPULATIONS OF PHOXINUS TENNESSEENSIS POPULATIONS.	Roane (TN)
Cryptobranchus alleganiensis	Aquatic	<Null>	WITHERS, DAVID. AUGUST 28, 1995 PERSONAL CORRESPONDANCE TO BILL REDMOND AND FLOYD SCOTT CONCERNING AMPHIBIAN DATA FROM THE TENNESSEE HERITAGE PROGRAM	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Cumberlandia monodonta	Aquatic	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS	Roane (TN)
Cumberlandia monodonta	Aquatic	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS	Roane (TN)
Cyprogenia stegaria	Aquatic	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.	Roane (TN); Loudon (TN)
Delphinium exaltatum	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Delphinium exaltatum	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Draba ramosissima	Upland	Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Marginal: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356); Suitable: Southern Blue Ridge--Southern Appalachian Montane Cliff and Talus (CES202.330); Suitable: Southern Blue Ridge--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Fusconaia cor	Aquatic	<Null>	Ortmann, A.E. 1918a. The nayades (freshwater mussels) of the Upper Tennessee Drainage. Proceedings of the American Philosophical Society 57: 577-580.	Roane (TN)
Fusconaia cuneolus	Aquatic	<Null>	Ortmann, A.E. 1918a. The nayades (freshwater mussels) of the Upper Tennessee Drainage. Proceedings of the American Philosophical Society 57: 577-580.	Roane (TN)
Helianthus occidentalis	Upland	Suitable: Gulf Coastal Plain--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Pennyroyal Karst Plain Prairie and Barrens (CES202.355); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Cunningham, M. 1989. Status Survey in Tennessee for Tomanthera auriculata. Rept. prepared for The Nature Conservancy on subcontract from U.S. Fish & Wildlife Serv. 6 pp.	Roane (TN)
Helianthus occidentalis	Upland	Suitable: Gulf Coastal Plain--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Pennyroyal Karst Plain Prairie and Barrens (CES202.355); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Roane (TN)
Hemitremia flammea	Aquatic	<Null>	Etnier, David. 6 February 1978 letter to TVA.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Heron rookery	<Null>	<Null>	PULLIN, BURLINE P. 1988. 1988 SURVEY OF WADING BIRD COLONIES IN THE TENNESSEE VALLEY REGION. TENNESSEE VALLEY AUTHORITY, NORRIS, TN.	Roane (TN)
Heron rookery	<Null>	<Null>	Pullin, Burline P. 1986. Survey of Wading Bird Colonies in the Tennessee Valley Region. TVA, Norris, TN.	Roane (TN)
Heron rookery	<Null>	<Null>	POUNDS, L.R., P.D. PARR, AND M.G. RYON. 1993 [AUG]. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 30: ORNERP NATURAL AREAS AND REFERENCE AREAS-ORR ENVIRONMENTALLY SENSITIVE SITES CONTAINING SPECIAL PLANTS, ANIMALS, AND COMMUNITIES. ENV. SCI. DIV. PUB. NO. 3995.	Roane (TN)
Io fluvialis	Aquatic	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.	Roane (TN); Loudon (TN)
Io fluvialis	Aquatic	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.	Roane (TN)
Lampsilis abrupta	Aquatic	<Null>	JENKINSON, JOHN J. PERSONAL FIELD SURVEY SHEETS.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Liatris cylindracea	Upland	Suitable: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Western Highland Rim Prairie and Barrens (CES202.352); Suitable: Cumberland Plateau and Mountains--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Marginal: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Myotis grisescens	Upland	<Null>	U.S. FISH AND WILDLIFE SERVICE. DATA EXCHANGE WITH THE COOKEVILLE, TN FIELD OFFICE. FEDERALLY THREATENED AND ENDANGERED SPECIES OCCURRENCES.	Roane (TN)
Napaeozapus insignis	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Obovaria retusa	Aquatic	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.	Roane (TN); Loudon (TN)
Oligoneuron album	Upland	Suitable: Cumberland Plateau and Mountains--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Patrick, T.S., B.E. Wofford, & D.H. Webb. 1983. State Records and Other Noteworthy Collections of Tennessee Plants. IV. Castanea 48(2): 109-116.	Roane (TN)
Ophisaurus attenuatus longicaudus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Loudon (TN); Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	MANN, L.K. OAK RIDGE NATIONAL LABORATORY, ENVIRONMENTAL SCIENCES DIVISION.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	Hedge, Cloyce L. 1979. Vegetation and floristic analysis of the proposed EXXON nuclear fuel reprocessing plant site, Roane County, Tennessee. Thesis presented for the Master of Science Degree, Univ of Tenn, Knoxville.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	TENNESSEE VALLEY AUTHORITY E-MAIL FROM WESLEY JAMES TO PATRICIA COX NATURAL HERITAGE APRIL 27 2005 NEW DATA RECORD.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Pituophis melanoleucus melanoleucus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)
Platanthera flava var. herbiola	Possible	Preferred: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Marginal: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Platanthera flava var. herbiola	Possible	Preferred: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Marginal: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Platanthera flava var. herbiola	Possible	Preferred: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Marginal: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Platanthera flava var. herbiola	Possible	Preferred: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Marginal: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Plethobasus cyphyus	Aquatic	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS	Roane (TN); Loudon (TN)
Pleurobema rubrum	Aquatic	<Null>	Ahlstedt, S.A. 1984. Twentieth century changes in the freshwater mussel fauna of the Clinch River (Tennessee and Virginia). M.S. Thesis, The University of Tennessee, Knoxville, Tennessee. 102 pp.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Pseudognaphalium helleri	Upland	Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Suitable: Ridge and Valley--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Sorex dispar	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)
Sorex fumeus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)
Sorex fumeus	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Sorex longirostris	Possible	<Null>	SMITH, T.R. 1976. AN EVALUATION OF VERTICALLY STRATIFIED TRAPS FOR CENSUSING SMALL MAMMAL POPULATIONS. MASTERS THESIS, UNIVERSITY OF TENNESSEE, KNOXVILLE, TN. ONE RECORD.	Roane (TN)
Sorex longirostris	Possible	<Null>	MITCHELL, J. M., E. R. VAIL, J. W. WEBB, J. W. EVANS, A. L. KING, AND P. A. HAMLETT. 1996. SURVEY OF PROTECTED TERRESTRIAL VERTEBRATES ON THE OAK RIDGE RESERVATION. FINAL REPORT. LOCKHEED MARTIN ENERGY SYSTEMS, INC., ENVIRONMENTAL RESTORATION DIVISION, OAK RIDGE, TN. JULY 1996.	Roane (TN)

SCIENTIFIC _ NAME	WET_HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Spiranthes lucida	Possible	Suitable: All Provinces--South-Central Interior Large Floodplain (CES202.705); Suitable: All Provinces--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Interior Low Plateau--Interior Low Plateau Seepage Fen (CES202.346); Suitable: Interior Low Plateau--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Cumberland Plateau and Mountains--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Cumberland Plateau and Mountains--South-Central Interior Large Floodplain (CES202.705); Suitable: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Ridge and Valley--South-Central Interior Large Floodplain (CES202.705); Suitable: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--Southern and Central Appalachian Bog and Fen (CES202.300); Suitable: Southern Blue Ridge--South-Central Interior Large Floodplain (CES202.705); Suitable: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Southern Blue Ridge--Southern and Central Appalachian Bog and Fen (CES202.300); Suitable: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Synaptomys cooperi	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Zapus hudsonius	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Accipiter striatus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Agalinis auriculata	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aimophila aestivalis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aneides aeneus	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR NEW ZION BOGGY [NA42]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aneides aeneus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR RACCOON CREEK GOLDENSEAL AREA [NA6]; ORR ENV. SCI. DIVISION (ESD) LILY SITE [NA31]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aneides aeneus	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aneides aeneus	35084-H3, Bethel Valley; 35084-H4, Elverton	06010207 - Lower Clinch	ORR REIN-ORCHID SWAMP [NA4]; ORR NEW ZION BOGGY [NA42]; ORR GRASSY CREEK [ARA2]; ORR FRINGELESS ORCHID WETLANDS [NA27]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	ORR MCKINNEY RIDGE HEMLOCKS [RA17]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	ORR DUCT ISLAND ROAD BLUFFS [NA-37]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	ORR POPLAR CREEK CLIFFS [NA20]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR RACCOON CREEK GOLDENSEAL AREA [NA6]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Chrosomus tennesseensis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Cryptobranchus alleganiensis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Cumberlandia monodonta	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Cumberlandia monodonta	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Cyprogenia stegaria	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Delphinium exaltatum	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Delphinium exaltatum	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Draba ramosissima	35084-H4, Elverton	06010207 - Lower Clinch	ORR DUCT ISLAND ROAD BLUFFS [NA-37]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]
Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Fusconaia cor	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Fusconaia cuneolus	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Helianthus occidentalis	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Helianthus occidentalis	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Hemitremia flammea	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR REIN-ORCHID SWAMP [NA4]; ORR BEAR CREEK [ANA2]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Heron rookery	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Heron rookery	35084-H4, Elverton	06010207 - Lower Clinch	ORR UPPER POPLAR CREEK ROOKERY [RA23]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Heron rookery	35084-H4, Elverton	06010207 - Lower Clinch	ORR LOWER POPLAR CREEK ROOKERY [RA30]	<Null>	Exempted from Disclosure by Statute	
Io fluvialis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>	Exempted from Disclosure by Statute	
Io fluvialis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>	Exempted from Disclosure by Statute	
Lampsilis abrupta	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]
Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Liatris cylindracea	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Myotis grisescens	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Napaeozapus insignis	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Obovaria retusa	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Oligoneuron album	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Ophisaurus attenuatus longicaudus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H4, Elverton	06010207 - Lower Clinch	ORR GRASSY CREEK MESIC SLOPES [NA3]; ORR GRASSY CREEK [ARA2]	GRASSY CREEK TVA HABITAT PROTECTION AREA; DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR RACCOON CREEK GOLDENSEAL AREA [NA6]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Pituophis melanoleucus melanoleucus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Platanthera flava var. herbiola	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR REIN-ORCHID SWAMP [NA4]; ORR BEAR CREEK [ANA2]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Platanthera flava var. herbiola	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR REIN-ORCHID SWAMP [NA4]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Platanthera flava var. herbiola	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR BEAR CREEK [ANA2]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Platanthera flava var. herbiola	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Plethobasus cyphyus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Pleurobema rubrum	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	<Null>	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Pseudognaphalium helleri	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]; ORR CAMPBELL BEND BLUFFS AND FOREST [NA1]	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION; CAMPBELL BEND BARRENS DESIGNATED STATE NATURAL AREA	Exempted from Disclosure by Statute	
Sorex dispar	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Sorex fumeus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Sorex fumeus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>	Exempted from Disclosure by Statute	
Sorex longirostris	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR REIN-ORCHID SWAMP [NA4]; ORR BEAR CREEK [ANA2]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Sorex longirostris	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

[Exempted from Disclosure by Statute]

Potential_Site_2_2mile_Buffer

SCIENTIFIC _ NAME	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Spiranthes lucida	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Synaptomys cooperi	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Zapus hudsonius	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Accipiter striatus	Sharp-shinned Hawk	Vertebrate Animal	Bird	1957	21003	G5	S3B,S4N	No Status
Aimophila aestivalis	Bachman's Sparrow	Vertebrate Animal	Bird	1957	20985	G3	S1B	--
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1995-PRE	G3G4	S3S4	--
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1995-PRE	1983	G3G4	S3S4	--
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	1982	1983	G3G4	S3S4	--
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	35272	35272	G3	S3	--
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1993-PRE	1993-PRE	G3	S3	--
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1992-PRE	1992-00-00-PRE	G3	S3	--
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	35272	35272	G3	S3	--
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	<Null>	1996	G3	S3	--

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1990-PRE	1990-PRE	G3	S3	--
Aureolaria patula	Spreading False-foxglove	Vascular Plant	Flowering Plant	1994-PRE	1994-PRE	G3	S3	--
Bolboschoenus fluviatilis	River Bulrush	Vascular Plant	Flowering Plant	1993-PRE	1993-PRE	G5	S1	--
Cryptobranchus alleganiensis	Hellbender	Vertebrate Animal	Amphibian	1989-08	1989-08	G3G4	S3	No Status
Cyprogenia stegaria	Fanshell	Invertebrate Animal	Mollusc	34486	34488	G1Q	S1	LE, XN
Elodea nuttallii	Nuttall's Waterweed	Vascular Plant	Flowering Plant	1990-PRE	1990-00-00	G5	S2	--
Eurybia schreberi	Schreber's Aster	Vascular Plant	Flowering Plant	22508	22508	G4	S1	--
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G2	S2	--
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G2	S2	--
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1994-PRE	1994-PRE	G2	S2	--

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Juglans cinerea	Butternut	Vascular Plant	Flowering Plant	1992-PRE	1992-00-00	G4	S3	--
Juglans cinerea	Butternut	Vascular Plant	Flowering Plant	1992-PRE	1992-00-00	G4	S3	--
Obovaria retusa	Ring Pink	Invertebrate Animal	Mollusc	34488	34488	G1	S1	LE,XN
Ophisaurus attenuatus longicaudus	Eastern Slender Glass Lizard	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G5T5	S3	--

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	35591	35591	G3G4	S3S4	--

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	35177	35177	G3G4	S3S4	--
Pituophis melanoleucus melanoleucus	Northern Pinesnake	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G4T4	S3	--
Plethobasus cooperianus	Orangefoot Pimpleback	Invertebrate Animal	Mollusc	22020	22020	G1	S1	LE, XN
Plethobasus cyphyus	Sheepnose	Invertebrate Animal	Mollusc	34486	34488	G3	S2S3	LE
Quadrula cylindrica strigillata	Rough Rabbitsfoot	Invertebrate Animal	Mollusc	22024	22024	G3G4T2	S2	LE
Sorex cinereus	Cinereus Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--
Sorex cinereus	Cinereus Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--
Sorex dispar	Long-tailed Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G4	S2	--
Sorex dispar	Long-tailed Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G4	S2	--

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	21384	21384	G5	S4	--
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	21384	21384	G5	S4	--
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	34829	34829	G5	S4	--
Synaptomys cooperi	Southern Bog Lemming	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--
Synaptomys cooperi	Southern Bog Lemming	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Accipiter striatus	D	Historical	<Null>	NEST OBSERVED BY HOWELL, CONTAINING ONE 3-WEEK OLD YOUNG, LO CATED 45 FT ABOVE GROUND IN SCRUB PINE WITHIN PINE GROVE. SO URCE TITLE: LONGRANGE ECOLOGICAL STUDY OF THE OAK RIDGE AREA : I. OBSERVATIONS ON THE SUMMER BIRDS IN MELTON VALLEY.	<Null>
Aimophila aestivalis	E	Historical	<Null>	3 BIRDS OBSERVED BY HOWELL IN SHRUB FIELD ON 14 JUNE AND SINGLE BIRDS OBSERVED IN SURROUNDING AREA DURING JUNE AND JULY.	ORR 0800 PINE BARRENS T& E SITE
Aneides aeneus	Rare, Not State Listed	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ORR LAGOON ROAD AREA.
Aneides aeneus	Rare, Not State Listed	Verified extant (viability not assessed)	<Null>	SWAP[1985: 1 Indiv. Observed(1 location)]AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	LIKELY ADJAC. TO FLASHLIGHT HEAVEN CAVE.
Aneides aeneus	Rare, Not State Listed	Fair estimated viability	<Null>	ONE TO THREE INDS LOCATED ON EVERY VISIT TO CAVE DURING VARIOUS TIMES OF THE YEAR, 1982-1983. NONE WERE EVER REMOVED.	IN A SMALL CAVE ALONG COPPER RIDGE ON THE OAK RIDGE RESERVATION. COORDINATES DON'T FALL ON THE RIDGE BUT ON A SMALL RIDGE TO THE WEST.
Aureolaria patula	S	Verified extant (viability not assessed)	SOMEWHAT DISTURBED WOODED LIMESTONE SLOPE.	<Null>	SOUTH SHORE OF MELTON HILL LAKE. ABOUT CLINCH RIVER RM24. ABOUT 1.0 MILES UPSTREAM FROM THE DAM.
Aureolaria patula	S	Fair or poor estimated viability	AN AREA OF STEEP AND OFTEN ROCKY, LIMESTONE BLUFFS ALONG MELTON [HILL] LAKE SOUTH OF HPRR.	DATA INCOMPLETE.	ORR, S-FACING SLOPES AND BLUFFS S OF HEALTH PHYSICS RESEARCH REACTOR; ACCESS FROM LAKE VIA BOAT OR ON FOOT FROM HPRR.
Aureolaria patula	S	Fair or poor estimated viability	ROCKY RIVER SLOPE JUST UPSTEAM FROM THE MELTON HILL DAM; "AN AREA OF LIMESTONE ROCK OUTCROPS ALONG MELTON HILL LAKE JUST UPSTREAM FROM THE DAM."	DATA INCOMPLETE.	ORR, SSW-FACING SLOPES ON THE CLINCH RIVER, CA. 0.2 MI UPSTREAM FROM MELTON HILL DAM
Aureolaria patula	S	Verified extant (viability not assessed)	WOODED SLOPE WITH LIMESTONE OUTCROPS.	<Null>	CLINCH RIVER NEAR RM 24 ABOUT 0.75 MI. UPSTREAM FROM MELTON HILL DAM ON SOUTH SHORE.
Aureolaria patula	S	Verified extant (viability not assessed)	<Null>	<Null>	ACROSS FROM HICKORY BEND AT CLINCH RIVER MILE 28. [PLOTTED USING MAP IN SOURCE, DIRECTIONS FROM TVA HERITAGE PROGRAM.]

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Aureolaria patula	S	Historical	STEEP SLOPE AND [LIMESTONE] BLUFFS	DATA INCOMPLETE.	ORR, STEEP SLOPE AND BLUFFS ALONG THE CLINCH RIVER [MELTON HILL LAKE], RIVER MILE 25, CA 1.6 MI SE OF TOWER SHIELDING FACILITY.
Aureolaria patula	S	Fair or poor estimated viability	S-FACING SLOPES AND LIMESTONE BLUFFS.	DATA INCOMPLETE.	ORR, S-FACING SLOPES AND BLUFFS AT S END OF HAW RIDGE ABOVE WATTS BAR LAKE; ACCESS FROM RAOD ALONG SHORE OF LAKE.
Bolboschoenus fluviatilis	S	Fair or poor estimated viability	MORE INFORMATION NEEDED.	DATA INCOMPLETE.	ORR, W MARGIN OF WHITE OAK LAKE, NE OF POWERLINE.
Cryptobranchus alleganiensis	D	Verified extant (viability not assessed)	LARGE RIVER-TAILWATERS BELOW MELTON HILL DAM.	1 ANIMAL CAUGHT USING BAITED HOOK ON TROTLINE.	CLINCH RIVER JUST DOWNSTREAM OF JONES ISLAND (RM 20).
Cyprogenia stegaria	E	Historical	SUBSTRATE-- SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.
Elodea nuttallii	S	Fair estimated viability	EMBAYMENT ON WATTS BAR LAKE SEPARATED FROM MAIN CHANNEL BY A CULVERT.	DATA INCOMPLETE.	ORR, EMBAYMENT OF UNNAMED CREEK OFF OF WATTS BAR LAKE; MOUTH OF EMBAYMENT OPPOSITE JONES ISLAND AT RIVER MILE 20; ACCESS FROM RD ALONG N MARGIN OF LAKE.
Eurybia schreberi	S	Possibly extirpated	Recently cleared (in July [1961]).	1961-08-15: Collected by William Ellis, no EO data provided.	Loudon County "North facing limestone bluff . . . Melton Hill Reservoir." Unsure of exact location and plotted in three different locales, each with a north-facing bluff in Loudon Co, at approx. River Mile 24.5, 27, 28.
Io fluvialis	Rare, Not State Listed	Verified extant (viability not assessed)	<Null>	SPECIMENS COLL.	CLINCH RIVER, WILLIAMSPORT (WILLIAMSPORT NOT LOCATED, PLOTTED AT APPROX. LOCATION OF FORMER WILLIAMS FERRY).
Io fluvialis	Rare, Not State Listed	Verified extant (viability not assessed)	<Null>	1 SPECIMEN COLL.	CLINCH RIVER, NEAR WALLER'S FERRY.
Io fluvialis	Rare, Not State Listed	Verified extant (viability not assessed)	<Null>	Exempted from Disclosure by Statute	MOUTH OF WHITEOAK CREEK @ CLINCH RM 20.8.

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Juglans cinerea	T	Poor estimated viability	DATA INCOMPLETE.	ONE SMALL TREE WITH THE UPPER PART DEAD.	ORR, S SIDE WHITE OAK CREEK EMBAYMENT, NEAR SHORE OF WATTS BAR LAKE ON A SMALL PENINSULA OF LAND BETWEEN E END OF JONES ISLAND AND RIVER MILE 21.
Juglans cinerea	T	Poor estimated viability	ON A ROCKY SLOPE JUST ABOVE MELTON HILL LAKE; "AN AREA OF LIMESTONE ROCK OUTCROPS ALONG MELTON HILL LAKE JUST UPSTREAM FROM THE DAM."	TWO YOUNG TREES	ORR, SSW-FACING SLOPES ON THE CLINCH RIVER, CA. 0.2 MI UPSTREAM FROM MELTON HILL DAM
Obovaria retusa	E	Historical	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.
Ophisaurus attenuatus longicaudus	D	Verified extant (viability not assessed)	<Null>	Exempted from Disclosure by Statute	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	<Null>	<Null>	COPPER RIDGE, NORTHWEST FACING BLUFFS OF MELTON HILL, JUST SOUTH OF MELTON BRANCH. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	<Null>	<Null>	COPPER RIDGE, NORTHWEST FACING BLUFFS OF MELTON HILL, JUST SOUTH OF MELTON BRANCH. SCATTERED IN 0.1 MI SQUARE AREA. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	<Null>	<Null>	ON WEST FACING BLUFFS ABOVE MELTON BRANCH TRIBUTARY OF WHITEOAK LAKE. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	DECIDUOUS FOREST ON STEEP ROCKY RIVER BLUFF.	ONE PLANT SEEN. NO SPECIMEN COLLECTED.	ON A BEND OF THE CLINCH RIVER (RIVER MILES 26-28), THE SOUTH SIDE OF THE RIVER ON THE EAST SIDE OF THE BEND.

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	<Null>	<Null>	BLUFFS NEAR BOAT RAMP ON WATTS BAR LAKE, 0.1 MILE WEST OF HIGHWAY 95. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	<Null>	<Null>	JUST NORTH OF THE CLINCH RIVER AND JONES ISLAND, AT TOP OF SOUTHEAST FACING BLUFFS. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	<Null>	OBSERVED 04-22-1996	CA. 0.3 MILE NORTH ON TRIBUTARY OF MELTON HILL LAKE OCCURING 0.2 MILE WEST (DOWNSTREAM) OF THE MELTON HILL DAM. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]
Pituophis melanoleucus melanoleucus	T	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.
Plethobasus cooperianus	E	Verified extant (viability not assessed)	<Null>	SPECIMEN HOUSED IN UNCATALOGUED ORR MUSSEL COLLECTION, KATIE'S KITCHEN; COLLECTOR UNKNOWN.	ORR- CLINCH RM 20.4, WATTS BAR RESERVOIR.
Plethobasus cyphyus	Rare, Not State Listed	Verified extant (viability not assessed)	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	TWRA AND TDEC (1994) REPORTED 1 LIVE INDIVIDUAL AT THIS LOCALITY	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.
Quadrula cylindrica strigillata	E	Historical	<Null>	Exempted from Disclosure by Statute	CONFL. OF WHITEOAK CREEK AND CLINCH RIVER @ CLINCH RM 20.8.
Sorex cinereus	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	UPPER WHITEOAK LAKE AREA
Sorex cinereus	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.
Sorex dispar	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.
Sorex dispar	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	UPPER WHITEOAK LAKE AREA

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Sorex fumeus	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.
Sorex fumeus	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	JONES ISLAND, CLINCH RIVER
Sorex fumeus	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	UPPER WHITEOAK LAKE AREA
Sorex longirostris	D	Historical	<Null>	HOWELL AND DUNAWAY (1959) REPORTED THAT 2 SPECIMENS WERE OBSERVED AT THIS LOCALITY ON JULY 18, 1958.	THE WHITE OAK LAKE BED, PLOTTED ALONG WHITE WING ROAD, 0.7 AIR MILES NORTH OF THE BRIDGE OVER WHITEOAK LAKE.
Sorex longirostris	D	Historical	<Null>	HOWELL AND DUNAWAY (1959) REPORTED THAT 2 SPECIMENS WERE OBSERVED AT THIS LOCALITY ON JULY 18, 1958.	FROM THE WHITE OAK LAKE BED, PLOTTED ALONG WHITE WING ROAD, 0.5 AIR MILES NW OF THE BRIDGE OVER WHITEOAK LAKE.
Sorex longirostris	D	Verified extant (viability not assessed)	<Null>	MITCHELL ET AL. (1996) REPORTED THAT 2 SPECIMENS WERE CAPTURED AT THIS LOCALITY ON MAY 10, 1995. THE SPECIMENS WERE DEPOSITED IN THE UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION (CAT. NO. WAS NOT GIVEN).	AT MUSKRAT MARSH, NORTH OF JONES ISLAND ALONG AN UNNAMED TRIBUTARY OF THE CLINCH RIVER WITH ITS CONFLUENCE AT CLINCH RIVER MILE 20.
Synaptomys cooperi	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	UPPER WHITEOAK LAKE AREA
Synaptomys cooperi	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	BEARDEN CREEK @ HAW RIDGE, BEARDEN CREEK T& E STUDY SITE.

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Accipiter striatus	<Null>	Forests and open woodlands.	Upland
Aimophila aestivalis	<Null>	Dry open pine or oak woods; nests on the ground in dense cover.	Upland
Aneides aeneus	Redigitized record and changed precision from S to M.	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland
Aneides aeneus	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland
Aneides aeneus	CAVE HAS NOT, TO KLEIN'S KNOWLEDGE BEEN DISTURBED SINCE 1983.	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland
Aureolaria patula	OCCURRENCE PLOTTED BY OBSERVER. SEEN FROM BOAT. SMI TRACT # MH001P.35.	Oak Woods And Edges	Upland
Aureolaria patula	THIS RECORD NOT NOTED IN RARE PLANT REPORT FROM ORNL [VOL. 29]; REFERRED TO IN VOL 30, ORR NATURAL AREAS [N93POU01TNUS]	Oak Woods And Edges	Upland
Aureolaria patula	JUGLANS CINEREA [?] [EOR.010*TN] ALSO AT SITE.	Oak Woods And Edges	Upland
Aureolaria patula	OCCURRENCE PLOTTED BY OBSERVER. SEEN FROM BOAT. SMI TRACT # MH001P.35	Oak Woods And Edges	Upland
Aureolaria patula	<Null>	Oak Woods And Edges	Upland

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Aureolaria patula	NOT LOCATED DURING 1990 SURVEY BY L. POUNDS.	Oak Woods And Edges	Upland
Aureolaria patula	THIS RECORD NOT NOTED IN REPORTS FROM ORNL; TRANSCRIBED FROM L. POUNDS' PAPER MAP AT ORNL BY MILO PYNE, DEC 1994.	Oak Woods And Edges	Upland
Bolboschoenus fluviatilis	MORE INFORMATION NEEDED; THIS RECORD NOT NOTED IN REPORTS; NOT IN AN ORR NATURAL AREA AS OF DEC 1994.	Marshes	Possible
Cryptobranchus alleganiensis	MIKE RYON FAMILIAR WITH THIS OCCURRENCE.	Rocky, clear creeks and rivers with large shelter rocks.	Aquatic
Cyprogenia stegaria	<Null>	Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	Aquatic
Elodea nuttallii	<Null>	Aquatic; Streams And Ponds	Aquatic
Eurybia schreberi	<Null>	Mesic Woods & Seepage Slopes	Upland
Io fluvialis	<Null>	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	Aquatic
Io fluvialis	<Null>	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	Aquatic
Io fluvialis	SPECIMENS IN COLLECTION HAD BEEN TYPED PREVIOUSLY BY UNKNOWN PERSONNEL; COLLECTION EXAMINED 12/94 BY DIW.	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	Aquatic

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Juglans cinerea	LARRY POUNDS, IN DECEMBER 1994, EXPRESSED SOME DOUBT ABOUT THE IDENTITY OF THE BUTTERNUT SPECIMENS; THEY COULD BE BLACK WALNUT.	Rich Woods And Hollows	Possible
Juglans cinerea	AUREOLARIA PATULA [EOR.023*TN] ALSO AT SITE. LARRY POUNDS, IN DECEMBER 1994, EXPRESSED SOME DOUBT ABOUT THE IDENTITY OF THE BUTTERNUT SPECIMENS; THEY COULD BE BLACK WALNUT.	Rich Woods And Hollows	Possible
Obovaria retusa	<Null>	Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	Aquatic
Ophisaurus attenuatus longicaudus	<Null>	Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	Upland

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Panax quinquefolius	<Null>	Rich Woods	Possible
Panax quinquefolius	<Null>	Rich Woods	Possible

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Panax quinquefolius	<Null>	Rich Woods	Possible
Panax quinquefolius	THIS OCCURRENCE WAS FOUND DURING A SURVEY FOR LANDS PLANNING. THIS OCCURENCE IS IN PARCEL 2 OF THE MELTON HILL LANDS PLANNING MAP. LOCALITY MAPPED BY THE OBSERVER.	Rich Woods	Possible

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Panax quinquefolius	<Null>	Rich Woods	Possible
Panax quinquefolius	<Null>	Rich Woods	Possible

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Panax quinquefolius	<Null>	Rich Woods	Possible
Pituophis melanoleucus melanoleucus	<Null>	Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	Upland
Plethobasus cooperianus	SPECIMENS IN COLLECTION HAD BEEN TYPED PREVIOUSLY BY UNKNOWN PERSONNEL; COLLECTION EXAMINED 12/94 BY DIW.	Large rivers in sand-gravel-cobble substrates in riffles and shoals in deep flowing water; Cumberland & Tennessee river systems.	Aquatic
Plethobasus cyphyus	<Null>	Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.	Aquatic
Quadrula cylindrica strigillata	SPECIMENS IN COLLECTION HAD BEEN TYPED PREVIOUSLY BY UNKNOWN PERSONNEL; COLLECTION EXAMINED 12/94 BY DIW; AHLSTEDT (PERS COMM) CONSIDERS ALL Q. CYLINDRICA IN CLINCH TO BE Q.C. STRIGILLATA.	Small-medium sized rivers, in clear, shallow riffles with sand-gravel substrates; Tenn. & Cumb. river systems; upland form.	Aquatic
Sorex cinereus	<Null>	Rich woodlands of many types; open fields; middle and east Tennessee.	Upland
Sorex cinereus	<Null>	Rich woodlands of many types; open fields; middle and east Tennessee.	Upland
Sorex dispar	<Null>	Mountainous, forested areas with loose talus; east Tennessee.	Upland
Sorex dispar	<Null>	Mountainous, forested areas with loose talus; east Tennessee.	Upland

SCIENTIFIC _NAME	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Sorex fumeus	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland
Sorex fumeus	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland
Sorex fumeus	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland
Sorex longirostris	<Null>	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible
Sorex longirostris	<Null>	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible
Sorex longirostris	PLOTTED ACCORDING TO THE MAP GIVEN IN THE SOURCE.	Various habitats including wet meadows, damp woods, and uplands; statewide.	Possible
Synaptomys cooperi	<Null>	Marshy meadows, wet balds, & rich upland forests.	Possible
Synaptomys cooperi	<Null>	Marshy meadows, wet balds, & rich upland forests.	Possible

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Accipiter striatus	<Null>	HOWELL, J. C. 1958. LONG-RANGE ECOLOGICAL STUDY OF THE OAK RIDGE AREA: I. OBSERVATIONS ON THE SUMMER BIRDS IN MELTON VALLEY. OAK RIDGE NATL. LAB. CENTRAL FILE NO. 58-6-14.	Roane (TN)
Aimophila aestivalis	<Null>	HOWELL, J. C. 1958. LONG-RANGE ECOLOGICAL STUDY OF THE OAK RIDGE AREA: I. OBSERVATIONS ON THE SUMMER BIRDS IN MELTON VALLEY. OAK RIDGE NATL. LAB. CENTRAL FILE NO. 58-6-14.	Roane (TN)
Aneides aeneus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Aneides aeneus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Aneides aeneus	<Null>	Klein, J.A. 1989. A checklist of the reptiles and amphibians on the Department of Energy Oak Ridge Reservation, Anderson and Roane Counties, Tennessee. Journal of Tennessee Academy of Science 64(4):228-230.	Roane (TN)
Aureolaria patula	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. 1996. TENNESSEE VALLEY AUTHORITY (TVA)SHORELINE MANAGEMENT INITIATIVE (SMI)FIELD SURVEY OF T& E PLANTS ON MELTON HILL RESERVOIR.	Loudon (TN)
Aureolaria patula	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, L.R., P.D. PARR, AND M.G. RYON. 1993 [AUG]. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 30: ORNERP NATURAL AREAS AND REFERENCE AREAS-ORR ENVIRONMENTALLY SENSITIVE SITES CONTAINING SPECIAL PLANTS, ANIMALS, AND COMMUNITIES. ENV. SCI. DIV. PUB. NO. 3995.	Roane (TN)
Aureolaria patula	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. 1996. TENNESSEE VALLEY AUTHORITY (TVA)SHORELINE MANAGEMENT INITIATIVE (SMI)FIELD SURVEY OF T& E PLANTS ON MELTON HILL RESERVOIR.	Loudon (TN)
Aureolaria patula	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Loudon (TN); Roane (TN)

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Aureolaria patula	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Aureolaria patula	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Bolboschoenus fluviatilis	Suitable: All Provinces--Converted Wetland (Lacustrine) (); Suitable: All Provinces--South-Central Interior Large Floodplain (CES202.705)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Cryptobranchus alleganiensis	<Null>	WITHERS, DAVID. AUGUST 28, 1995 PERSONAL CORRESPONDANCE TO BILL REDMOND AND FLOYD SCOTT CONCERNING AMPHIBIAN DATA FROM THE TENNESSEE HERITAGE PROGRAM	Roane (TN)
Cyprogenia stegaria	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.	Roane (TN); Loudon (TN)
Elodea nuttallii	Suitable: All Provinces--Converted Wetland (Riverine) (); Suitable: Mississippi Alluvial Plain--Mississippi River Bottomland Depression (CES203.490); Suitable: Mississippi Alluvial Plain--Mississippi River High Floodplain Forest (CES203.196); Suitable: Mississippi Alluvial Plain--Mississippi River Low Floodplain Forest (CES203.195); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Ridge and Valley--South-Central Interior Large Floodplain (CES202.705)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Eurybia schreberi	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Preferred: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Loudon (TN)
Io fluvialis	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.	Roane (TN); Loudon (TN)
Io fluvialis	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.	Roane (TN)
Io fluvialis	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Juglans cinerea	Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Dry Upland Hardwood Forest (CES203.483); Marginal: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Marginal: Gulf Coastal Plain--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Suitable: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Juglans cinerea	Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Dry Upland Hardwood Forest (CES203.483); Marginal: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Marginal: Gulf Coastal Plain--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Suitable: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Obovaria retusa	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.	Roane (TN); Loudon (TN)
Ophisaurus attenuatus longicaudus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Loudon (TN); Roane (TN)

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Panax quinquefolius	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Panax quinquefolius	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELDNOTES GATHERED FOR TVA REGIONAL NATURAL HERITAGE PROJECT AND OTHER RARE PLANT RECORDS REPORTED TO TVA AND TN DIVISION OF NATURAL AREAS.	Loudon (TN)

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Panax quinquefolius	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Panax quinquefolius	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)
Pituophis melanoleucus melanoleucus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)
Plethobasus cooperianus	<Null>	MITCHELL, JASON. 1995. LIST OF THREATENED AND ENDANGERED SPECIES FOUND ON THE OAK RIDGE RESERVATION.	Roane (TN)
Plethobasus cyphyus	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS	Roane (TN); Loudon (TN)
Quadrula cylindrica strigillata	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Sorex cinereus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Sorex cinereus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Sorex dispar	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)
Sorex dispar	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES
Sorex fumeus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)
Sorex fumeus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Sorex fumeus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Sorex longirostris	<Null>	HOWELL, J.C. AND P.B. DUNAWAY. 1959 LONG-TERM ECOLOGICAL STUDY OF THE OAK RIDGE AREA: II OBSERVATIONS ON THE MAMMALS WITH SPECIAL REFERENCE TO MELTON VALLEY. OAK RIDGE NATIONAL LABORATORY REPORT NO. 59-10-126.	Roane (TN)
Sorex longirostris	<Null>	HOWELL, J.C. AND P.B. DUNAWAY. 1959 LONG-TERM ECOLOGICAL STUDY OF THE OAK RIDGE AREA: II OBSERVATIONS ON THE MAMMALS WITH SPECIAL REFERENCE TO MELTON VALLEY. OAK RIDGE NATIONAL LABORATORY REPORT NO. 59-10-126.	Roane (TN)
Sorex longirostris	<Null>	MITCHELL, J. M., E. R. VAIL, J. W. WEBB, J. W. EVANS, A. L. KING, AND P. A. HAMLETT. 1996. SURVEY OF PROTECTED TERRESTRIAL VERTEBRATES ON THE OAK RIDGE RESERVATION. FINAL REPORT. LOCKHEED MARTIN ENERGY SYSTEMS, INC., ENVIRONMENTAL RESTORATION DIVISION, OAK RIDGE, TN. JULY 1996.	Roane (TN)
Synaptomys cooperi	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)
Synaptomys cooperi	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Anderson (TN); Knox (TN); Roane (TN)

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Accipiter striatus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aimophila aestivalis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Aneides aeneus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Aneides aeneus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Aneides aeneus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR RACCOON CREEK GOLDENSEAL AREA [NA6]; ORR ENV. SCI. DIVISION (ESD) LILY SITE [NA31]	DOE OAK RIDGE RESERVATION		
Aureolaria patula	35084-G3, Lenoir City	06010207 - Lower Clinch	<Null>	<Null>		
Aureolaria patula	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR [NA30] HEALTH PHYSICS RESEARCH REACTOR (HPRR) LAKE BLUFFS	DOE OAK RIDGE RESERVATION		
Aureolaria patula	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR MELTON DAM BLUFFS [NA32]	DOE OAK RIDGE RESERVATION		
Aureolaria patula	35084-H3, Bethel Valley	06010207 - Lower Clinch	CLINCH STATE SCENIC RIVER	<Null>		
Aureolaria patula	35084-H3, Bethel Valley	06010207 - Lower Clinch	CLINCH STATE SCENIC RIVER	HICKORY CREEK BLUFFS TVA HABITAT PROTECTION AREA		

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Aureolaria patula	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR TOWER SHIELDING BLUFFS [NA17]; CLINCH STATE SCENIC RIVER	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Aureolaria patula	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR RACCOON CREEK GOLDENSEAL AREA [NA6]	DOE OAK RIDGE RESERVATION		
Bolboschoenus fluviatilis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Cryptobranchus alleganiensis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>		
Cyprogenia stegaria	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Elodea nuttallii	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Eurybia schreberi	35084-G3, Lenoir City; 35084-H3, Bethel Valley	06010207 - Lower Clinch	CLINCH STATE SCENIC RIVER	HOPE CREEK COLONY BLUFFS TVA HABITAT PROTECTION AREA; HICKORY CREEK BLUFFS TVA HABITAT PROTECTION AREA		
Io fluvialis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>		
Io fluvialis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>		
Io fluvialis	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		

[Exempted from Disclosure by Statute]

Potential_Site_8_2mile_Buffer

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Juglans cinerea	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>	Exempted from Disclosure by Statute	
Juglans cinerea	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR MELTON DAM BLUFFS [NA32]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Obovaria retusa	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Ophisaurus attenuatus longicaudus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION		

[Exempted from Disclosure by Statute]

Potential_Site_8_2mile_Buffer

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	CLINCH STATE SCENIC RIVER	HICKORY CREEK BLUFFS TVA HABITAT PROTECTION AREA	Exempted from Disclosure by Statute	

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR RACCOON CREEK GOLDENSEAL AREA [NA6]	DOE OAK RIDGE RESERVATION		

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Panax quinquefolius	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Pituophis melanoleucus melanoleucus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION		
Plethobasus cooperianus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Plethobasus cyphyus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Quadrula cylindrica strigillata	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Sorex cinereus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Sorex cinereus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Sorex dispar	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION		
Sorex dispar	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		

SCIENTIFIC _NAME	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS	LAT_DD	LON_DD
Sorex fumeus	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION	Exempted from Disclosure by Statute	
Sorex fumeus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>		
Sorex fumeus	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Sorex longirostris	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Sorex longirostris	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Sorex longirostris	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Synaptomys cooperi	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION		
Synaptomys cooperi	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR CHESTNUT RIDGE BARREN AND WETLAND [NA-35]; ORR BETHEL VALLEY SMALL-HEAD RUSH WETLAND [NA-38]; ORR CHESTNUT RIDGE SPRINGS AREA [RA21]; ORR WALKER BRANCH EMBAYMENT BARREN [NA7]; ORR BEARDEN CREEK GORGE AND WETLAND [NA-36]; ORR WHITE CEDAR AREA [NA14]; CLINCH STATE SCENIC RIVER	DOE OAK RIDGE RESERVATION		

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_ PROTECTION
Athearnia anthonyi	Anthony Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G1	S1	LE,XN	E
Chrosomus cumberlandensis	Blackside Dace	Vertebrate Animal	Fish	1981	3/21/2008	G2	S2	LT	T
Cycleptus elongatus	Blue Sucker	Vertebrate Animal	Fish	1937	4/16/1937	G3G4	S2	--	T
Cyprogenia stegaria	Fanshell	Invertebrate Animal	Mollusc	1936	1936-05-00	G1Q	S1	LE, XN	E
Dromus dromas	Dromedary Pearlymussel	Invertebrate Animal	Mollusc	1936-06	1936-06	G1	S1	LE, XN	E
Etheostoma baileyi	Emerald Darter	Vertebrate Animal	Fish	4/22/1988	9/10/1995	G4G5	S2	--	D
Etheostoma sagitta	Cumberland Arrow Darter	Vertebrate Animal	Fish	7/11/1996	7/11/1996	G3	S2	--	D
Etheostoma sagitta	Cumberland Arrow Darter	Vertebrate Animal	Fish	7/18/1975	10/26/1990	G3	S2	--	D
Etheostoma sagitta	Cumberland Arrow Darter	Vertebrate Animal	Fish	1985	11/4/1994	G3	S2	--	D

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_ PROTECTION
Etheostoma sagitta	Cumberland Arrow Darter	Vertebrate Animal	Fish	9/25/1975	6/15/1994	G3	S2	--	D
Meehania cordata	Heartleaf Meehania	Vascular Plant	Flowering Plant	7/5/1983	4/11/2003	G5	S2	--	T
Myotis grisescens	Gray Myotis	Vertebrate Animal	Mammal	1968	1999-SUMM	G4	S2	LE	E
Myotis leibii	Eastern Small-footed Myotis	Vertebrate Animal	Mammal	5/1/1996	5/2/1996	G4	S2S3	--	D

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_ PROTECTION
Myotis sodalis	Indiana Myotis	Vertebrate Animal	Mammal	1999-PRE	1999-PRE	G2	S1	LE	E
Nesticus paynei	A Cave Spider	Invertebrate Animal	Arachnid	1985-PRE	1985-PRE	G3G4	S3	--	Rare, Not State Listed
Notropis buccatus	Silverjaw Minnow	Vertebrate Animal	Fish	1974	11/21/1974	G5	S1	--	T
Palamocladium leskeoides	A Moss	Nonvascular Plant	Non-Vascular Plant	3/31/1935	3/31/1935	G3G5	S1	--	T
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	7/24/1979	7/24/1979	G5	S4	--	D

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Athearnia anthonyi	Possibly extirpated	<Null>	COLLECTED SPECIMENS ARE HOUSED AT THE UNIVERSITY OF MICHIGAN.	CLINCH RIVER, NORRIS DAM. PLOTTED IN DAM TAILWATERS.
Chrosomus cumberlandensis	Possibly good estimated viability	<Null>	2008-03-21: 2 INDIVIDUALS COLLECTED APPROX. 0.4 MI. UPSTREAM FROM CONFLUENCE W/DAVIS CREEK; 1994-11-04: REPORTED BY TVA; 1981: SMALL POP., 2 INDIV. COLL. DURING STATUS SURVEY. SWAP[1994-11-04: Present(2 locations)]	SANDLICK BRANCH 0.22 AND 0.4 MILE UPSTREAM OF CONFLUENCE WITH DAVIS CREEK.
Cycleptus elongatus	Historical	<Null>	1 SPECIMEN, UMMZ CAT. NO. 103771. SWAP[1937-04-16: Present(1 location)]	CLINCH RIVER, AT FISH HATCHERY BELOW NORRIS DAM
Cyprogenia stegaria	Extirpated	<Null>	REPORTED BY CAHN WHEN RIVER DEWATERED AT CLOSING OF NORRIS DAM; NO LIVE MUSSELS PRESENT FIVE MONTHS AFTER CLOSURE.	CLINCH RIVER, WITHIN ONE MILE STRETCH BELOW NORRIS DAM, APPROXIMATE RIVER MILE 79.2.
Dromus dromas	Verified extant (viability not assessed)	<Null>	REPORTED IN CAHN, 1936.	CLINCH RIVER JUST BELOW NORRIS DAM.
Etheostoma baileyi	Verified extant (viability not assessed)	<Null>	BAXTER (1997) REPORTED THE FOLLOWING COLLECTIONS FROM THIS REACH: 2 INDIVIDUALS ON 10 SEPT. 1995 FROM US 90 BRIDGE; 11 FROM 0.6 RD MILE UPSTREAM OF HWY 90 AT OLD FORD SITE ON 26 OCT. 1990; AND A COLLECTION WAS MADE ON 22 APRIL 1988 BY TWRA ELLINGTON AG. CENTER, TVA - ROBERT WALLUS (MISC 2-96). SWAP[1990-10-26: 11 Indiv. Observed(1 location)]	TACKETT CREEK., AT US 90 BRIDGE, 300 M REACH UPSTREAM FROM BRIDGE AND 0.6 RD MILE UPSTREAM OF HWY 90 AT OLD FORD SITE. ORIGINALLY PLOTTED WITH DOT AT CENTRUM. 9/05: RE-DIGITIZED TO BETTER ENCOMPASS BOTH LOCATIONS.
Etheostoma sagitta	Verified extant (viability not assessed)	<Null>	BAXTER (1997) REPORTED 5 SPECIMENS FROM THIS LOCALITY ON 11 JULY 1996 (1 DEPOSITED AT UT CAT# 91.4961 - 40 MM SL; BAXTER'S FIELD # JTB 96-19).	DAVIS CREEK, CA. 1.5 RD. MILES UPSTREAM 1ST BRIDGE ON DAVIS CR. RD.
Etheostoma sagitta	Verified extant (viability not assessed)	<Null>	RICK BIVENS ET AL. (TWRA) COLLECTED 1 SPECIMEN ON 26 OCTOBER 1990 BACKPACK SHOCKING. 5 SPECIMENS TAKEN, 18 JULY 1975, U.T. CAT. NO. 91.1457; ALSO, 6 SPECIMENS TAKEN 1977, U.T. CAT. NO. 91.1460. LOWE (1979) REPORTED 6 SPECIMENS COLLECTED FROM THIS LOCALITY ON 9-25-75. SWAP[1990-10-26: 1 Indiv. Observed(2 locations)]	TACKETT CREEK AT STATE HIGHWAY 90, NEAR EWING AND ALSO A 400 FOOT STRETCH OF STREAM LOCATED APPROXIMATELY 0.6 MILES (BY ROAD) UPSTREAM OF HIGHWAY 90 AT PULLOFF TO CREEK THAT LOOKS LIKE OLD FORD AREA. ORIGINALLY PLOTTED AT CENTRUM OF THE TWO LOCALITIES. 9/2005: DIGITIZED STREAM SEGMENT ENCOMPASSING BOTH LOCATIONS.
Etheostoma sagitta	Verified extant (viability not assessed)	<Null>	SWAP[1994-11-04: Present(2 locations)] 1985-00: POP. DISCOVERED DURING STATUS SURVEY FOR PHOX. CUMB.	SANDLICK BR WITHIN 0.5KM CONFLUENCE WITH DAVIS CREEK

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Etheostoma sagitta	Excellent, good, or fair estimated viability	1994 DATA: pH=7.0; WATER TEMP.=71F	BIVENS (1994 AND 1995) REPORTED 3 SPECIMENS (57-68mm TL) COLLECTED HERE ON 15 JUNE 1994 BY TWRA (TWRA FIELD NOTES #18.192). 5 SPECIMENS FROM THIS LOCALITY IN UNIVERSITY TENNESSEE ICHTHYOLOGICAL COLLECTION (CAT. NO. 91.1461) FROM 25 SEPT. 1975. LOWE (1979) REPORTED 5 SPECIMENS COLLECTED ON 9-25-75. SWAP[1994-06-15: 3 Indiv. Observed(2 locations) 1994: 3 Indiv. Observed(1 location)]	ROSE CREEK, TRIBUTARY TO CLEAR FORK. PLOTTED ON CLAIBORNE/CAMPBELL COUNTY LINE AT STATE HIGHWAY 90 NEAR EAGAN.
Meehania cordata	Fair estimated viability	MOIST, NE-FACING, WOODED SLOPE BELOW CLIFFLINE ON BENCH ABOVE FLOODPLAIN.	2003: (LARRY POUNDS) >100 PLANTS, NOT IN FLOWER, 100'x 10'. MOIST NE FACING, WOODED SLOPE BELOW CLIFFLINE ON BENCH ABOVE FLOODPLAIN. SMALL COLONY A COUPLE SQ FT IN SIZE SEEN (FLS).	TVA RIVER BLUFF SMALL WILD AREA, SIDE OF CLINCH RIVER BELOW NORRIS DAM. LOWER PART OF LOOP TRAIL. LAT/LONG UPDATED FROM TVA RECORD. PREVIOUSLY PLOTTED AT 361247N/0840441W.
Myotis grisescens	Verified extant (viability not assessed)	<Null>	HARVEY (2002) INDICATES A GRAY BAT POPULATION OF 4,148 AT THIS SITE. THIS CAVE IS MONITORED ANNUALLY. HENRY (2002) REPORTED THE FOLLOWING OBSERVATIONS: 230 BATS EMERGED FROM THE CAVE DURING SUMMER, 1999. HENRY (1998) REPORTED THE FOLLOWING OBSERVATIONS: 54 BATS BATS EMERGED FROM THE CAVE ON 15 JULY, 1998; 342 ON 2 JUNE, 1997; 388 BATS ON 18 SEPTEMBER, 1995; AND 330 BATS ON 28 JULY, 1994. THE CAVE WAS EXAMINED DURING THE WINTER ON 13 JANUARY, 1998. ONLY ONE ADULT GRAY BAT WAS FOUND IN THE CAVE. MERLIN TUTTLE (PERS. COMM.) REPORTED THAT THE CAVE WAS FORMERLY UTILIZED AS A MATERNITY SITE. ALSO, THE CAVE IS UTILIZED AS A HIBERNATING SITE BY MYOTIS SEPTENTRIONALIS, MYOTIS SODALIS (AMACC01040.004), AND MYOTIS LUCIFUGUS. R. JORDAN REPORTED (1986) THAT THE CAVE WAS NO LONGER USED BY GRAY BATS; 1968-4000 INDIVIDUALS IN A SUMMER COLONY.	NORRIS DAM CAVE. IMMEDIATELY DOWNSTREAM FROM NORRIS DAM, ON THE WEST BANK OF THE CLINCH RIVER, ABOUT 175 FEET ABOVE THE RIVER, AT AN ELEVATION OF 1,040 FEET.
Myotis leibii	Verified extant (viability not assessed)	BATS WERE LOCATED WITHIN 1 INCH EXPANSION JOINTS, WEST OF THE PENTHOUSE.	HENRY (1996) EXAMINED 1 MALE INDIVIDUAL THAT WAS REMOVED FROM AN EXPANSION JOINT. THIS BAT WAS ROOSTING ALONE, HOWEVER OTHER BATS (EPTESICUS FUSCUS), WERE OBSERVED NEARBY.	NORRIS DAM. FOUND IN EXPANSION JOINTS ON THE WEST SIDE OF THE PENTHOUSE ON TOP OF DAM.

SCIENTIFIC _NAME	EO_RANK	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS
Myotis sodalis	Historical	<Null>	HENRY (2002) INDICATES NO INDIANA BAT POPULATION AT THIS LOCATION IN 2002. HENRY AND SEMIK ENTERED THE CAVE IN JAN 1999, IN ORDER TO DETERMINE IF INDIANA BATS INHABIT THIS CAVE DURING THE WINTER MONTHS. NO BATS WERE FOUND AT THAT TIME. TUTTLE (PERS. COMM.) REPORTED THAT THIS CAVE WAS USED AS A HIBERNACULUM FOR THIS SPECIES.	NORRIS DAM CAVE, IMMEDIATELY DOWNSTREAM FROM NORRIS DAM ON THE WEST BANK OF THE CLINCH RIVER, AT AN ELEVATION OF 1040 FEET.
Nesticus paynei	Verified extant (viability not assessed)	LARGE DAMP CAVE	DESCRIBED BY GERTSCH (1984).	NORRIS DAM CAVE: IMMEDIATELY DOWNSTREAM FROM NORRIS DAM, ON THE W BANK OF CLINCH RIVER, ABOUT 175 FEET ABOVE THE RIVER.
Notropis buccatus	Verified extant (viability not assessed)	<Null>	4 SPECIMENS	STRAIGHT CR TRIB TO TACKETT CR AT TN HWY90
Palamocladium leskeoides	Historical	<Null>	<Null>	CLINCH RIVER AT NORRIS DAM, TVA.
Sorex fumeus	Verified extant (viability not assessed)	<Null>	TWO SPECIMENS COLLECTED AND STORED AT THE MEMPHIS STATE UNIVERSITY MUSEUM.	NORRIS DAM STATE RESORT PARK.

SCIENTIFIC _NAME	GEN_COMMENTS	HABITAT	WET_ HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Athearnia anthonyi	<Null>	Larger rivers and downstream stretches of lg creeks, on cobble/boulder substrates adj. riffles; portions of upper TN River basin.	Aquatic	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.
Chrosomus cumberlandensis	<Null>	Small upland tributaries with sand, sandstone, and shale substrates in unsilted conditions; upper Cumberland R. watershed.	Aquatic	<Null>	O'BARA, C. J. 1985. A STATUS SURVEY OF THE BLACKSIDE DACE, PHOXINUS CUMBERLANDENSIS. UNPUBLISHED REPORT TO U.S. FISH AND WILDLIFE SERVICE, ASHEVILLE, NC. 30 PP + APPENDICES.
Cycleptus elongatus	<Null>	Swift waters over firm substrates in big rivers.	Aquatic	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.
Cyprogenia stegaria	1/5/05 KEC: DIGITIZED RECORD TO BETTER REFLECT LOCATION IN RIVER REACH. RECORD STRETCHES APPROX. 1 MILE BELOW THE DAM.	Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	Aquatic	<Null>	CAHN, A.R. 1936. THE MOLLUSCAN FAUNA OF THE CLINCH RIVER BEL OW NORRIS DAM UPON COMPLETION OF THAT STRUCTURE. UNPUBL. REP ORT, TVA, NORRIS, TN.
Dromus dromas	<Null>	Medium-large rivers with riffles and shoals w/ relatively firm rubble, gravel, and stable substrates; Tennessee & Cumberland systems.	Aquatic	<Null>	CAHN, A.R. 1936. THE MOLLUSCAN FAUNA OF THE CLINCH RIVER BEL OW NORRIS DAM UPON COMPLETION OF THAT STRUCTURE. UNPUBL. REP ORT, TVA, NORRIS, TN.
Etheostoma baileyi	<Null>	Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	Aquatic	<Null>	BAXTER, JOHN T., JR. 1997. FISH FAUNA OF THE UPPER CUMBERLAND RIVER DRAINAGE IN TENNESSEE. M.S. THESIS, UNIVERSITY OF TENNESSEE, KNOXVILLE. 101PP.
Etheostoma sagitta	ACTUAL PLOT WAS BASED ON A DOT DISTRIBUTION MAP FOR E. SAGITTA IN BAXTER (1997).	Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	Aquatic	<Null>	BAXTER, JOHN T., JR. 1997. FISH FAUNA OF THE UPPER CUMBERLAND RIVER DRAINAGE IN TENNESSEE. M.S. THESIS, UNIVERSITY OF TENNESSEE, KNOXVILLE. 101PP.
Etheostoma sagitta	<Null>	Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	Aquatic	<Null>	UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION, KNOXVILLE, TN 37996.
Etheostoma sagitta	<Null>	Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	Aquatic	<Null>	O'BARA, C. J. 1985. A STATUS SURVEY OF THE BLACKSIDE DACE, PHOXINUS CUMBERLANDENSIS. UNPUBLISHED REPORT TO U.S. FISH AND WILDLIFE SERVICE, ASHEVILLE, NC. 30 PP + APPENDICES.

SCIENTIFIC _NAME	GEN_COMMENTS	HABITAT	WET_ HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Etheostoma sagitta	1994 IBI=POOR-FAIR; EPT=FAIR; DETAILED INFORMATION IN BIVENS (1995) pps. 145-149.	Smaller streams of northern Cumberland Plateau & Cumberland Mountains; Cumberland River watershed.	Aquatic	<Null>	UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION, KNOXVILLE, TN 37996.
Meehania cordata	<Null>	Wooded Mountain Slopes	Upland	Suitable: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356); Suitable: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Suitable: Southern Blue Ridge--Southern Interior Calcareous Cliff (CES202.356)	POUNDS, LARRY. FIELDNOTES GATHERED FOR TVA REGIONAL NATURAL HERITAGE PROJECT AND OTHER RARE PLANT RECORDS REPORTED TO TVA AND TN DIVISION OF NATURAL AREAS.
Myotis grisescens	SOME DATA WAS PROVIDED BY TUTTLE ON 8-9-76.	Cave obligate year-round; frequents forested areas; migratory.	Upland	<Null>	HARVEY, MICHAEL J. AND ERIC R. BRITZKE. 2002. DISTRIBUTION AND STATUS OF ENDANGERED BATS IN TENNESSEE. TENNESSEE TECHNOLOGICAL UNIVERSITY, COOKEVILLE, TN. 43P. FINAL REPORT TO TENNESSEE WILDLIFE RESOURCES AGENCY.
Myotis leibii	308 EPTESICUS FUSCUS WERE OBSERVED EMERGING FROM THE NORRIS SIGN ON THE WEST SIDE OF THE PENTHOUSE.	Hibernates in caves & mines; also uses abandoned buildings, bridges, and barns seasonally.	Upland	<Null>	HENRY, TRAVIS HILL. TVA NATURAL HERITAGE PROJECT TERRESTRIAL ZOOLOGIST. FIELD NOTES AND FIELD SURVEY FORMS.

SCIENTIFIC _NAME	GEN_COMMENTS	HABITAT	WET_ HABITAT_FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Myotis sodalis	THIS CAVE IS ALSO A HIBERNACULUM FOR M. KEENI AND M. LUCIFUGUS AND WAS FORMERLY A MATERNITY SITE FOR M. GRISESCENS.	Hibernates in caves; spring/summer maternity roosts are normally under the bark of standing trees.	Upland	<Null>	HARVEY, MICHAEL J. AND ERIC R. BRITZKE. 2002. DISTRIBUTION AND STATUS OF ENDANGERED BATS IN TENNESSEE. TENNESSEE TECHNOLOGICAL UNIVERSITY, COOKEVILLE, TN. 43P. FINAL REPORT TO TENNESSEE WILDLIFE RESOURCES AGENCY.
Nesticus paynei	<Null>	Terrestrial cave associate; also may be found on surface; northern Ridge & Valley.	Upland	<Null>	CULVER, DAVID ET AL. 2001. MASTER LIST OF TENNESSEE TROGLOBITES. AMERICAN UNIVERSITY, WASHINGTON D.C.
Notropis buccatus	<Null>	Small creeks & large rivers with moderate current & sandy substrates; upper Cumberland River watershed; poss. introd. Stones River.	Aquatic	<Null>	UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION, KNOXVILLE, TN 37996.
Palamocladium leskeoides	MAPPED IN THE AREA OF NORRIS DAM. HERBARIUM LABEL INFORMATION UNCLEAR AS TO EXACT LOCATION.	Seepy Limestone Cliffs And Bluffs	Possible	Preferred: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Preferred: All Provinces--Southern Interior Calcareous Cliff (CES202.356); Preferred: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356); Preferred: Southern Blue Ridge--Southern Interior Calcareous Cliff (CES202.356); Suitable: All Provinces--Southern Interior Sinkhole Wall (CES202.357); Suitable: Interior Low Plateau--Southern Interior Sinkhole Wall (CES202.357); Suitable: Cumberland Plateau and Mountains--Southern Interior Sinkhole Wall (CES202.357); Suitable: Ridge and Valley--Southern Interior Sinkhole Wall (CES202.357); Suitable: Southern Blue Ridge--Southern Interior Sinkhole Wall (CES202.357)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.
Sorex fumeus	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland	<Null>	MEMPHIS STATE UNIVERSITY MUSEUM OF ZOOLOGY, DEPARTMENT OF BIOLOGY, MEMPHIS, TN 38152.

SCIENTIFIC _NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Athearnia anthonyi	Anderson (TN); Campbell (TN)	36084-B1, Norris	06010205 - Upper Clinch	<Null>	<Null>
Chrosomus cumberlandensis	Campbell (TN)	36084-D1, La Follette	05130101 - Upper Cumberland	<Null>	<Null>
Cycleptus elongatus	Anderson (TN); Campbell (TN)	36084-B1, Norris	06010205 - Upper Clinch	<Null>	<Null>
Cyprogenia stegaria	Anderson (TN)	36084-B1, Norris	06010207 - Lower Clinch	<Null>	NORRIS DAM STATE PARK; RIVER BLUFF TVA SMALL WILD AREA
Dromus dromas	Anderson (TN); Campbell (TN)	36084-B1, Norris	06010205 - Upper Clinch	<Null>	<Null>
Etheostoma baileyi	Campbell (TN)	36084-E1, Jellico East	05130101 - Upper Cumberland	<Null>	<Null>
Etheostoma sagitta	Campbell (TN)	36084-D1, La Follette	05130101 - Upper Cumberland	<Null>	<Null>
Etheostoma sagitta	Campbell (TN)	36084-E1, Jellico East	05130101 - Upper Cumberland	<Null>	<Null>
Etheostoma sagitta	Campbell (TN)	36084-D1, La Follette	05130101 - Upper Cumberland	<Null>	<Null>

SCIENTIFIC _NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Etheostoma sagitta	Claiborne (TN); Campbell (TN)	36083-E8, Eagan	05130101 - Upper Cumberland	<Null>	<Null>
Meehania cordata	Anderson (TN)	36084-B1, Norris	06010205 - Upper Clinch	<Null>	NORRIS SONGBIRD TRAIL STATE WILDLIFE OBSERVATION AREA
Myotis grisescens	Campbell (TN)	36084-B1, Norris	06010205 - Upper Clinch; 06010207 - Lower Clinch	NORRIS DAM CAVE	NORRIS DAM CAVE TVA HABITAT PROTECTION AREA; NORRIS DAM STATE PARK
Myotis leibii	Campbell (TN)	36084-B1, Norris	06010205 - Upper Clinch	<Null>	<Null>

SCIENTIFIC _NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Myotis sodalis	Campbell (TN)	36084-B1, Norris	06010207 - Lower Clinch; 06010205 - Upper Clinch	NORRIS DAM CAVE	NORRIS DAM CAVE TVA HABITAT PROTECTION AREA; NORRIS DAM STATE PARK
Nesticus paynei	Campbell (TN)	36084-B1, Norris	06010205 - Upper Clinch; 06010207 - Lower Clinch	NORRIS DAM CAVE	NORRIS DAM CAVE TVA HABITAT PROTECTION AREA; NORRIS DAM STATE PARK
Notropis buccatus	Campbell (TN)	36084-E1, Jellico East	05130101 - Upper Cumberland	<Null>	<Null>
Palamocladium leskeoides	Anderson (TN); Campbell (TN)	36084-B1, Norris	06010205 - Upper Clinch; 06010207 - Lower Clinch	NORRIS DAM CAVE	NORRIS DAM CAVE TVA HABITAT PROTECTION AREA; NORRIS DAM STATE PARK; RIVER BLUFF TVA SMALL WILD AREA; NORRIS SONGBIRD TRAIL STATE WILDLIFE OBSERVATION AREA
Sorex fumeus	Anderson (TN); Campbell (TN)	36084-B1, Norris; 36084-C1, Demory; 36084-C2, Jacksboro; 36084-B2, Lake City	06010207 - Lower Clinch; 06010205 - Upper Clinch	<Null>	NORRIS DAM STATE PARK

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION	ST_ PROTECTION	EO_RANK
Anguispira alabama	Alabama Tigersnail	Invertebrate Animal	Mollusc	5/25/2002	5/25/2002	G2	S2	--	Rare, Not State Listed	Good or fair estimated viability
Cyperus plukenetii	Plukenet's Galingale	Vascular Plant	Flowering Plant	<Null>	8/29/1943	G5	S1	--	S	Historical
Eleocharis wolfii	Wolf Spike-rush	Vascular Plant	Flowering Plant	5/13/1939	5/13/1939	G3G5	S1	--	E	Historical
Glyceria acutiflora	Sharp-scaled Mannagrass	Vascular Plant	Flowering Plant	6/17/1950	6/17/1950	G5	S2	--	S	Historical
Hemitremia flammea	Flame Chub	Vertebrate Animal	Fish	1968	6/14/1968	G3	S3	--	D	Historical
Hemitremia flammea	Flame Chub	Vertebrate Animal	Fish	1967	9/16/1967	G3	S3	--	D	Historical
Neobeckia aquatica	Lake Cress	Vascular Plant	Flowering Plant	6/17/1950	6/17/1950	G4?	S2	--	S	Historical
Ranunculus flabellaris	Yellow Water-crowfoot	Vascular Plant	Flowering Plant	1936-00-00	1936-00-00	G5	S2	--	T	Historical
Toxolasma cylindrellus	Pale Lilliput	Invertebrate Animal	Mollusc	10/13/1954	10/13/1954	G1	S1	LE	E	Historical

SCIENTIFIC _NAME	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Anguispira alabama	<Null>	Coles collected 13 dead shells from hillside adjacent to Payne Cove Road.	Payne Cove Road, Pelham (coordinates provided by Brian Coles suggest Payne Cove ~2.8 air miles E of Pelham).	<Null>
Cyperus plukenetii	ESCARPMENT OF THE CUMBERLAND PLATEAU.	<Null>	CA HALF WAY UP CUMBERLAND PLATEAU W OF DUNLAP.	<Null>
Eleocharis wolfii	Wet openings in meadow.	<Null>	Wet openings in meadow near Patterson Ford Bridge, Elk River. 2.2 miles southwest of Pelham.	<Null>
Glyceria acutiflora	POND; "SWAMPY PLACES".	NONE AVAILABLE; USUALLY COLLECTED IN FRUIT.	POND ON GREENE FARM, EDGE OF PELHAM; "LUTHER GREENE FARM, PELHAM".	THIS SITE APPARENTLY DISTINCT FROM GOOSE POND, GRUNDY CO. THESE TWO SITES WERE/ARE CONFUSED (AT TIMES BY ME)-MILO.
Hemitremia flammea	<Null>	SWAP[2005-05-02: 28 Indiv. Observed(1 location)]KNOWN FROM ROCK CREEK.	ROCK CREEK, TRIB. TO ELK RIVER.	Presumably this unnamed creek (mapped) is Rock Creek.
Hemitremia flammea	<Null>	1 SPECIMEN COLL.	ELK RIVER, 2.7 MI SW OF PELHAM ON STATE HWY 50.	<Null>
Neobeckia aquatica	POND.	SPEC WITH FLR/FRT.	POND ON GREENE FARM, EDGE OF PELHAM.	THIS SITE APPARENTLY DISTINCT FROM GOOSE POND, GRUNDY CO. ORIG. DET. AS RORIPPA ISLANDICA VAR HISPIDA; ANNOT AS A. AQUATICA BY R.L. STUCKEY 09 NOV 1972.
Ranunculus flabellaris	POOLS IN BOGGY MEADOWS.	POOLS IN BOGGY MEADOWS; DATA INCOMPLETE.	ELK RIVER NEAR PATTERSON'S BRIDGE	OLD LAT/LONG IN DATABASE = 351820N 0855445W; DOT WAS PLACED AT CA. 351724N 0855445W AND IN GRUNDY, NOT FRANKLIN CO. DOT MOVED 94-10-11 TO 351722N 0855502W IN FRANKLIN CO. **LAT/LONG CHANGED TO 351717N 0855451W TO CORRESPOND WITH ACTUAL LOCATION OF DOT ON THE MAP. 95-11-21.
Toxolasma cylindrellus	<Null>	1980: NOT FOUND DURING TVA MUSSEL SURVEY; 1954: COLLECTED BY ATHEARN.	ELK RIVER 2 MI NE OF ALTO. Occurrence plotted upstream from Highway 50 bridge. It seems possible that the observation was made at the bridge, but this is greater than "2 MI NE OF ALTO."	<Null>

SCIENTIFIC _NAME	HABITAT	WET_ HABITAT_FLAG	ECOLOGICAL_SYSTEMS
Anguispira alabama	A calciphile; limestone outcrops and cliff faces of karstic woods; southern Cumberlands.	Upland	<Null>
Cyperus plukenetii	Sandy Barrens	Possible	Preferred: Gulf Coastal Plain--East Gulf Coastal Plain Interior Shortleaf Pine-Oak Forest (CES203.506); Suitable: Gulf Coastal Plain--South-Central Interior / Upper Coastal Plain Flatwoods (CES203.479); Suitable: Cumberland Plateau and Mountains--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Cumberland Plateau and Mountains--Cumberland Sandstone Glade and Barrens (CES202.337)
Eleocharis wolfii	Wet Woods On Floodplains	Possible	Marginal: Interior Low Plateau--Nashville Basin Limestone Glade and Woodland (CES202.334); Suitable: Interior Low Plateau--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Marginal: Interior Low Plateau--Eastern Highland Rim Prairie and Barrens (CES202.354); Preferred: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706)
Glyceria acutiflora	Swamps,Ponds	Possible	Preferred: Interior Low Plateau--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Preferred: Cumberland Plateau and Mountains--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018)
Hemitremia flammea	Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	Aquatic	<Null>
Hemitremia flammea	Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.	Aquatic	<Null>
Neobeckia aquatica	Gum Or Cypress Swamps	Possible	Preferred: Mississippi Alluvial Plain--Mississippi River Bottomland Depression (CES203.490); Suitable: Interior Low Plateau--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705)
Ranunculus flabellaris	Ponds And Marshes	Possible	Preferred: Mississippi Alluvial Plain--Mississippi River Bottomland Depression (CES203.490); Suitable: Mississippi Alluvial Plain--Mississippi River Low Floodplain Forest (CES203.195); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Ridge and Valley--South-Central Interior Large Floodplain (CES202.705)
Toxolasma cylindrellus	Small tributary rivers & streams, in firm rubble, gravel, and sand substrates in shallow riffles and shoals; lower Tenn. River system.	Aquatic	<Null>

SCIENTIFIC _NAME	REFERENCE_PRIMARY	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Anguispira alabama	Coles, Brian, 2006. 14 February 2006 email to David Withers (DNH) concerning collection of Anguispira alabama in Tennessee, Division of Natural Heritage, 1 p.	Grundy (TN)	35085-C7, Burrow Cove	06030003 - Upper Elk	<Null>	<Null>
Cyperus plukenetii	VANDERBILT UNIVERSITY HERBARIUM, DEPARTMENT OF BIOLOGY, BOTANICAL RESEARCH INSTITUTE OF TEXAS, INC. 509 PECAN ST. FORT WORTH, TX. 76102. (817)332-4441. VDB.	Sequatchie (TN)	35085-D4, Savage Point	06020004 - Sequatchie	<Null>	<Null>
Eleocharis wolfii	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Franklin (TN); Grundy (TN); Coffee (TN)	35085-C8, Alto	06030003 - Upper Elk	<Null>	<Null>
Glyceria acutiflora	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Grundy (TN)	35085-C8, Alto; 35085-C7, Burrow Cove	06030003 - Upper Elk	<Null>	<Null>
Hemitremia flammea	ETNIER, DAVID A. PROFESSOR OF ZOOLOGY, UNIVERSITY OF TENNESSEE, KNOXVILLE.	Coffee (TN); Grundy (TN); Franklin (TN)	35085-C8, Alto	06030003 - Upper Elk	BLUEBELL ISLAND REGISTERED STATE NATURAL AREA	<Null>
Hemitremia flammea	FLORIDA STATE MUSEUM OF NATURAL HISTORY, UNIVERSITY OF FLORIDA, GAINESVILLE, FL 32611-2710.	Grundy (TN)	35085-C8, Alto	06030003 - Upper Elk	<Null>	<Null>
Neobeckia aquatica	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Grundy (TN)	35085-C8, Alto; 35085-C7, Burrow Cove	06030003 - Upper Elk	<Null>	<Null>
Ranunculus flabellaris	THE NEW YORK BOTANICAL GARDEN HERBARIUM, NEW YORK BOTANICAL GARDEN, BRONX, NY 10458. NY.	Franklin (TN)	35085-C8, Alto	06030003 - Upper Elk	<Null>	<Null>
Toxolasma cylindrellus	Ahlstedt, S. A. 1986. Cumberlandian Mollusc Conservation Program: Activity 1. Mussel Distribution Surveys. Tennessee Valley Authority, Norris, Tennessee.	Franklin (TN); Coffee (TN); Grundy (TN)	35085-C8, Alto	06030003 - Upper Elk	BLUEBELL ISLAND REGISTERED STATE NATURAL AREA	<Null>

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Arrhopalites sp. 4	A Cave Springtail (species 1)	Invertebrate Animal	Insect	2002-SUMM	2002-SUMM	G1	S1	--
Arrhopalites sp. 4	A Cave Springtail (species 1)	Invertebrate Animal	Insect	2002-SUMM	2002-SUMM	G1	S1	--
Carex lonchocarpa	Southern Long Sedge	Vascular Plant	Flowering Plant	8/13/2012	8/13/2012	G5	S2	--
Etheostoma akatulo	Bluemask (Jewel) Darter	Vertebrate Animal	Fish	1972-06	1972-06	G1	S1	LE
Helicodiscus punctatellus	Punctate Coil	Invertebrate Animal	Mollusc	9/29/2001	9/29/2001	G1	S1	--
Lilium philadelphicum	Wood Lily	Vascular Plant	Flowering Plant	1985	6/8/1987	G5	S1	--
Lithasia geniculata fuliginosa	Geniculate River Snail	Invertebrate Animal	Mollusc	1973	1973	G3T3Q	S2	--
Litocampa sp. 5	A Cave Dipluran From TN	Invertebrate Animal	Insect	2002-SUMM	2002-SUMM	G2	S1	--
Litocampa sp. 5	A Cave Dipluran From TN	Invertebrate Animal	Insect	2002-SUMM	2002-SUMM	G2	S1	--
Neotoma magister	Allegheny Woodrat	Vertebrate Animal	Mammal	2002-SUMM	2002-SUMM	G3G4	S3	--

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Neotoma magister	Allegheny Woodrat	Vertebrate Animal	Mammal	2002-SUMM	2002-SUMM	G3G4	S3	--
Neotoma magister	Allegheny Woodrat	Vertebrate Animal	Mammal	2002-SUMM	2002-SUMM	G3G4	S3	--
Neotoma magister	Allegheny Woodrat	Vertebrate Animal	Mammal	2002-SUMM	2002-SUMM	G3G4	S3	--
Notropis rupestris	Bedrock Shiner	Vertebrate Animal	Fish	6/6/1972	6/6/1972	G2	S2	--
Palamocladium leskeoides	A Moss	Nonvascular Plant	Non-Vascular Plant	3/17/1979	3/17/1979	G3G5	S1	--
Phyllanthopsis phyllanthoides	Maidenbush	Vascular Plant	Flowering Plant	11/5/2011	6/20/2013	G4	S1	--
Pseudosinella christianseni	A Cave Obligate Springtail	Invertebrate Animal	Insect	2002-SUMM	2002-SUMM	G5	S2	--
Pseudosinella spinosa	A Cave Obligate Springtail	Invertebrate Animal	Insect	2002-SUMM	2002-SUMM	G5	S2	--
Pseudosinella spinosa	A Cave Obligate Springtail	Invertebrate Animal	Insect	2002-SUMM	2002-SUMM	G5	S2	--
Scoterpes ventus	A Cave Obligate Millipede	Invertebrate Animal	Other Type	2002-SUMM	2002-SUMM	G3	S1	--

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_ PROTECTION
Scoterpes ventus	A Cave Obligate Millipede	Invertebrate Animal	Other Type	2002-SUMM	2002-SUMM	G3	S1	--
Spiraea virginiana	Virginia Spiraea	Vascular Plant	Flowering Plant	2015	2015	G2	S2	LT
Spiranthes lucida	Shining Ladies'-tresses	Vascular Plant	Flowering Plant	5/4/2001	5/4/2001	G4	S1S2	--
Vitis rupestris	Sand Grape	Vascular Plant	Flowering Plant	8/5/2013	8/5/2013	G3	S1	--

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_DESCRIPTION	EO_DATA
Arrhopalites sp. 4	Rare, Not State Listed	Verified extant (viability not assessed)	ESTIMATED 695 FEET OF PASSAGE IN MONTEAGLE LIMESTONE, WITH A SMALL STREAM AT REAR OF CAVE AND A SIZEABLE POOL AT HIGHER LEVEL.	COLLECTED BY LEWIS ET AL. (LEWIS, 2002).
Arrhopalites sp. 4	Rare, Not State Listed	Verified extant (viability not assessed)	THE CAVE IS A HANDS AND KNEES STREAM CRAWL COMPRISING 220 FT OF PASSAGE IN MONTEAGLE LIMESTONE (TN CAVE SURVEY, 2002).	COLLECTED BY LEWIS ET AL. (LEWIS, 2002).
Carex lonchocarpa	E	Fair estimated viability	Cumberland Plateau acidic seep	Dominant in 10 meter by 20 meter area
Etheostoma akatulo	E	Verified extant (viability not assessed)	<Null>	6 SPECIMENS COLL. (UT 91.675); ADDITIONAL TN RECORDS IN PH.D THESIS OF WM HOWELL 1973, UNIV OF ALABAMA.
Helicodiscus punctatellus	Rare, Not State Listed	Verified extant (viability not assessed)	LIMESTONE RUBBLE IN DISTURBED WOODLAND AND OPEN HERB COVERED BANKS AND WOODLAND EDGE.	ONE SPECIMEN COLL. BY BRIAN COLES (LOCALITY 2001/9/29.3).
Lilium philadelphicum	E	Verified extant (viability not assessed)	<Null>	1-2 PLANTS IN BUD, POP. REDUCED FROM 15-20 BY DIGGING.
Lithasia geniculata fuliginosa	Rare, Not State Listed	Historical	<Null>	SPECIMEN(S) COLLECTED.
Litocampa sp. 5	Rare, Not State Listed	Verified extant (viability not assessed)	THE CAVE IS A HANDS AND KNEES STREAM CRAWL COMPRISING 220 FT OF PASSAGE IN MONTEAGLE LIMESTONE (TN CAVE SURVEY, 2002).	COLLECTED BY LEWIS ET AL. (LEWIS, 2002).
Litocampa sp. 5	Rare, Not State Listed	Verified extant (viability not assessed)	ESTIMATED 695 FEET OF PASSAGE IN MONTEAGLE LIMESTONE, WITH A SMALL STREAM AT REAR OF CAVE AND A SIZEABLE POOL AT HIGHER LEVEL.	COLLECTED BY LEWIS ET AL. (LEWIS, 2002).
Neotoma magister	D	Verified extant (viability not assessed)	ESTIMATED 695 FEET OF PASSAGE IN MONTEAGLE LIMESTONE, WITH A SMALL STREAM AT REAR OF CAVE AND A SIZEABLE POOL AT HIGHER LEVEL.	OBSERVED BY LEWIS ET AL. (LEWIS, 2002).

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_DESCRIPTION	EO_DATA
Neotoma magister	D	Verified extant (viability not assessed)	THE CAVE IS COMPRISED OF 66 FEET OF PASSAGE IN THE MONTEAGLE LIMESTONE THAT COMES WITHIN CA 10 FEET OF CONNECTING WITH PALLISER CAVE (TN CAVE SURVEY, 2002).	OBSERVED BY LEWIS ET AL. (LEWIS 2002).
Neotoma magister	D	Verified extant (viability not assessed)	ESTIMATED 534 FEET OF PASSAGES IN MONTEAGLE LIMESTONE CONNECTING SIX ENTRANCES (TN CAVE SURVEY, 2002).	OBSERVED BY LEWIS ET AL. (LEWIS 2002).
Neotoma magister	D	Verified extant (viability not assessed)	ESTIMATED 265 FEET OF PASSAGE FORMED IN MONTEAGLE LIMESTONE (TN CAVE SURVEY, 2002).	OBSERVED BY LEWIS ET AL. (LEWIS, 2002).
Notropis rupestris	D	Verified extant (viability not assessed)	<Null>	1 SPEC. COLLECTED.
Palamocladium leskeoides	T	Verified extant (viability not assessed)	LIME OUTCROP IN WET CREVICES.	<Null>
Phyllanthopsis phyllanthoides	S	Fair estimated viability	In cracks of limestone outcrops in stream channel and bluffs of center of stream channel above river level.	2013: Observed by Mason Brock with Kelly Anderson. Abundant. 2011: Numerous plants in rock outcrops
Pseudosinella christianseni	Rare, Not State Listed	Verified extant (viability not assessed)	THE CAVE IS A HANDS AND KNEES STREAM CRAWL COMPRISING 220 FT OF PASSAGE IN MONTEAGLE LIMESTONE (TN CAVE SURVEY, 2002).	COLLECTED BY LEWIS ET AL. (LEWIS, 2002). THIS SPECIES WAS OBSERVED AT THIS LOCATION BY LEWIS ET AL. BETWEEN 28 AUGUST AND 1 SEPTEMBER 2002.
Pseudosinella spinosa	Rare, Not State Listed	Verified extant (viability not assessed)	THE CAVE IS A HANDS AND KNEES STREAM CRAWL COMPRISING 220 FT OF PASSAGE IN MONTEAGLE LIMESTONE (TN CAVE SURVEY, 2002).	COLLECTED BY LEWIS ET AL. (LEWIS, 2002).
Pseudosinella spinosa	Rare, Not State Listed	Verified extant (viability not assessed)	ESTIMATED 695 FEET OF PASSAGE IN MONTEAGLE LIMESTONE, WITH A SMALL STREAM AT REAR OF CAVE AND A SIZEABLE POOL AT HIGHER LEVEL.	COLLECTED BY LEWIS ET AL. (LEWIS, 2002).
Scoterpes ventus	Rare, Not State Listed	Verified extant (viability not assessed)	THE CAVE IS A HANDS AND KNEES STREAM CRAWL COMPRISING 220 FT OF PASSAGE IN MONTEAGLE LIMESTONE (TN CAVE SURVEY 2002, 2003).	COLLECTED BY LEWIS ET AL. (LEWIS, 2002). THIS SPECIES WAS OBSERVED AT THIS LOCATION BY LEWIS ET AL. BETWEEN 28 AUGUST AND 1 SEPTEMBER 2002.

SCIENTIFIC _NAME	ST_ PROTECTION	EO_RANK	GEN_DESCRIPTION	EO_DATA
Scoterpes ventus	Rare, Not State Listed	Verified extant (viability not assessed)	ESTIMATED 695 FEET OF PASSAGE IN MONTEAGLE LIMESTONE, WITH A SMALL STREAM AT REAR OF CAVE AND A SIZEABLE POOL AT HIGHER LEVEL (see TCS 2003).	COLLECTED BY LEWIS ET AL. (LEWIS, 2002). THIS SPECIES WAS OBSERVED AT THIS LOCATION BY LEWIS ET AL. BETWEEN 28 AUGUST AND 1 SEPTEMBER 2002 (Lewis, 2002).
Spiraea virginiana	E	Good, fair, or poor estimated viability	<Null>	2015: Larry Pounds observed plants growing on both sides of the river. He writes in 2016 email to TNDNA: "I don't have coordinates but I can get close using the Delorme Atlas (page 59, C7). My memory of plant numbers may be off a bit. About 50 yds. down stream from the Wash Pelfrey Rd. Bridge across Piney Cr. (aka Piney River). Two plants on the left descending side and one on the right growing in cobble bar habitat with Spiraea japonica nearby. Seen spring 2015 with only the right side plant flowering. As Virginia spirea sites go this one is easy to visit but not doing well."
Spiranthes lucida	T	Verified extant (viability not assessed)	along a stream	2001: no data on specimen label.
Vitis rupestris	E	<Null>	<Null>	2013-08-05: Observed by Mason Brock with Justin Beaty, Devin Rogers, and Chris Mausert-Mooney. Population seen on the large island upstream with much Dalea and Phyllanthopsis.

SCIENTIFIC _NAME	DIRECTIONS	GEN_COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Arrhopalites sp. 4	PALLISER CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA. 4 MILES E OF SPENCER.	<Null>	Terrestrial cave obligate; middle Cumberlands.	Upland
Arrhopalites sp. 4	GLENCORA SPRING CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA 4 MILES E OF SPENCER.	REPORTED IN "FAUNAL LIST" SECTION OF REPORT (LEWIS, 2002, P. 14).	Terrestrial cave obligate; middle Cumberlands.	Upland
Carex lonchocarpa	Bledsoe State Forest. About 3/4 miles North of Sampson.	<Null>	Wet Soils In Open Areas	Possible
Etheostoma akatulo	CANE CREEK AT COUNTY RD 4251 (HWY 285)	<Null>	Streams with slow to moderate current over clean sand and fine gravel; Caney Fork River system (above Great Falls Reservoir).	Aquatic
Helicodiscus punctatellus	ROCK ISLAND STATE PARK, N SIDE OF CANEY FORK RIVER NEAR POWERHOUSE.	<Null>	Limestone talus deposits, Eastern Highland Rim; Jackson County; known from Pleistocene fossil specimens; may not be extant in TN.	Upland
Lilium philadelphicum	HWY 30 APPROX 5 MI E OF SPENCER, ADJ MOUNTAIN SIDE.	SEE AAFB NEWSLETTER (1985?) WITH COLUMBO. MARGRET RHINEHART OR BUS JONES NOTES IN FILE.	Dry Openings, Powerlines	Possible
Lithasia geniculata fuliginosa	CANE CR NEAR HWY 111	<Null>	Medium-sized river form of L. geniculata; portions of lower Cumberland and lower Tennessee river systems; Duck & Buffalo rivers.	Aquatic
Litocampa sp. 5	GLENCORA SPRING CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA 4 MILES E OF SPENCER.	<Null>	Terrestrial cave obligate, Cumberland Plateau escarpment.	Upland
Litocampa sp. 5	PALLISER CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA. 4 MILES E OF SPENCER.	<Null>	Terrestrial cave obligate, Cumberland Plateau escarpment.	Upland
Neotoma magister	PALLISER CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA. 4 MILES E OF SPENCER.	<Null>	Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	Upland

SCIENTIFIC _NAME	DIRECTIONS	GEN_COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Neotoma magister	PLANTAGENET HOLE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA 4 MILES E OF SPENCER.	<Null>	Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	Upland
Neotoma magister	PHINEAS FINN CAVE, ON SOUTH S OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA 4 MILES E OF SPENCER.	<Null>	Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	Upland
Neotoma magister	CASE BROTHERS CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA. 4 MILES E OF SPENCER.	<Null>	Outcrops, cliffs, talus slopes, crevices, sinkholes, caves & karst.	Upland
Notropis rupestris	CANE CREEK AT CO RD 4251 (HWY 285), VAN BUREN CO.	<Null>	Bedrock pools of some low-gradient streams of the Nashville Basin.	Aquatic
Palamocladium leskeoides	R.I.S. [ROCK ISLAND STATE PARK] PARK CANEY FORK RIVER, GREAT FALLS DAM.	<Null>	Seepy Limestone Cliffs And Bluffs	Possible
Phyllanthopsis phyllanthoides	Rock Island State Park. On N side of Caney Fork, on bank just downstream of station and bridge, across the river from the artificial waterfalls.	This site was discovered prior to 2011 by Dr. Dwayne Estes	Limestone Outcrops	<Null>
Pseudosinella christianseni	GLENCORA SPRING CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA 4 MILES E OF SPENCER.	<Null>	Terrestrial cave obligate; portions of Cumberland Plateau & Sequatchie Valley.	Upland
Pseudosinella spinosa	GLENCORA SPRING CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA 4 MILES E OF SPENCER.	REPORTED IN "FAUNAL LIST" SECTION OF REPORT (LEWIS, 2002, P. 11).	Terrestrial cave obligate; middle and southern Cumberlands.	Upland
Pseudosinella spinosa	PALLISER CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA. 4 MILES E OF SPENCER.	<Null>	Terrestrial cave obligate; middle and southern Cumberlands.	Upland
Scoterpes ventus	GLENCORA SPRING CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, CA 4.4 AIR MILES E OF SPENCER.	<Null>	Terrestrial cave obligate; wet caves of the Cumberland Plateau & Sequatchie Valley.	Upland

SCIENTIFIC _NAME	DIRECTIONS	GEN_COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Scoterpes ventus	PALLISER CAVE, S SIDE OF CAMPS GULF BRANCH OF CANE CREEK, IN FALL CREEK FALLS STATE PARK, APPROX. 4.4 AIR MILES E OF SPENCER.	<Null>	Terrestrial cave obligate; wet caves of the Cumberland Plateau & Sequatchie Valley.	Upland
Spiraea virginiana	2016 Via Larry Pounds: About 50 yds. down stream from the Wash Pelfrey Rd. Bridge across Piney Cr. (aka Piney River). Two plants on the left descending side and one on the right growing in cobble bar habitat with Spiraea japonica nearby.	<Null>	Stream Bars And Ledges	Possible
Spiranthes lucida	along a stream in Rock Iland State Park.	Rhinehart specimen is labeld for White Co., Rock Island is in Warren Co.	Alluvial Woods And Moist Slopes	Possible
Vitis rupestris	Brock 2013: Rock Island State Park. On N side of Caney Fork, on bank just downstream of station and bridge, across the river from the artificial waterfalls.	<Null>	Sandy, Rocky Riverbanks	Upland

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Arrhopalites sp. 4	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Arrhopalites sp. 4	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Carex lonchocarpa	Preferred: Cumberland Plateau and Mountains--Cumberland Seepage Forest (CES202.361)	Crabtree, Todd. Unpublished field notes. Natural Heritage Division, State Botanist.
Etheostoma akatulo	<Null>	UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION, KNOXVILLE, TN 37996.
Helicodiscus punctatellus	<Null>	COLES, BRIAN. 2002. COMPREHENSIVE DATABASE OF LAND SNAILS COLLECTED IN TENNESSEE. SUBMITTED TO D. WITHERS, TN HERITAGE, FALL 2002.
Lilium philadelphicum	Suitable: Cumberland Plateau and Mountains--Cumberland Wet-Mesic Meadow and Savanna (CES202.053); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Cumberland Plateau and Mountains--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359)	RHINEHART, MARGRET, M.D., SPENCER, TN 38585
Lithasia geniculata fuliginosa	<Null>	<Null>
Litocampa sp. 5	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Litocampa sp. 5	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Neotoma magister	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Neotoma magister	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Neotoma magister	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Neotoma magister	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Notropis rupestris	<Null>	UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION, KNOXVILLE, TN 37996.
Palamocladium leskeoides	Preferred: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Preferred: All Provinces--Southern Interior Calcareous Cliff (CES202.356); Preferred: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356); Preferred: Southern Blue Ridge--Southern Interior Calcareous Cliff (CES202.356); Suitable: All Provinces--Southern Interior Sinkhole Wall (CES202.357); Suitable: Interior Low Plateau--Southern Interior Sinkhole Wall (CES202.357); Suitable: Cumberland Plateau and Mountains--Southern Interior Sinkhole Wall (CES202.357); Suitable: Ridge and Valley--Southern Interior Sinkhole Wall (CES202.357); Suitable: Southern Blue Ridge--Southern Interior Sinkhole Wall (CES202.357)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.
Phyllanthopsis phyllanthoides	<Null>	CRABTREE, TODD. TENNESSEE NATIVE PLANT SOCIETY.
Pseudosinella christianseni	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Pseudosinella spinosa	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Pseudosinella spinosa	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Scoterpes ventus	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Scoterpes ventus	<Null>	LEWIS, JULIAN J. 2002. STATUS AND DISTRIBUTION SURVEYS FOR RARE CAVE-DEPENDENT ORGANISMS RECENTLY IDENTIFIED FROM THE RUMBLING FALLS CAVE SYSTEM, VAN BUREN COUNTY, TENNESSEE. J. LEWIS & ASSOCIATES, CLARKSVILLE, INDIANA, 48 PP.
Spiraea virginiana	Preferred: Cumberland Plateau and Mountains--Cumberland Riverscour (CES202.036); Preferred: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706)	<Null>
Spiranthes lucida	Suitable: All Provinces--South-Central Interior Large Floodplain (CES202.705); Suitable: All Provinces--South-Central Interior Small Stream and Riparian (CES202.706); Preferred: Interior Low Plateau--Interior Low Plateau Seepage Fen (CES202.346); Suitable: Interior Low Plateau--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Cumberland Plateau and Mountains--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Cumberland Plateau and Mountains--South-Central Interior Large Floodplain (CES202.705); Suitable: Cumberland Plateau and Mountains--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--Central Interior Highlands and Appalachian Sinkhole and Depression Pond (CES202.018); Suitable: Ridge and Valley--South-Central Interior Large Floodplain (CES202.705); Suitable: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--Southern and Central Appalachian Bog and Fen (CES202.300); Suitable: Southern Blue Ridge--South-Central Interior Large Floodplain (CES202.705); Suitable: Southern Blue Ridge--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Southern Blue Ridge--Southern and Central Appalachian Bog and Fen (CES202.300); Suitable: Southern Blue Ridge--Southern Appalachian Seepage Wetland (CES202.317)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.
Vitis rupestris	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Suitable: Interior Low Plateau--South-Central Interior Large Floodplain (CES202.705); Suitable: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--South-Central Interior Large Floodplain (CES202.705); Suitable: Ridge and Valley--South-Central Interior Small Stream and Riparian (CES202.706); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356)	<Null>

SCIENTIFIC _NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS
Arrhopalites sp. 4	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Arrhopalites sp. 4	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Carex lonchocarpa	Bledsoe (TN)	35085-F3, Sampson	05130108 - Caney	<Null>	BLEDSOE STATE FOREST
Etheostoma akatulo	Van Buren (TN)	35085-G4, Bald Knob	05130108 - Caney	<Null>	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Helicodiscus punctatellus	White (TN)	35085-G6, Campaign	05130108 - Caney	<Null>	CENTER HILL LAKE - US ARMY CORPS OF ENGINEERS; ROCK ISLAND STATE PARK
Lilium philadelphicum	Van Buren (TN)	35085-F4, Spencer; 35085-G4, Bald Knob	05130108 - Caney	RUMBLING FALLS CAVE SYSTEM	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Lithasia geniculata fuliginosa	Van Buren (TN)	35085-G4, Bald Knob	05130108 - Caney	<Null>	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Litocampa sp. 5	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Litocampa sp. 5	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Neotoma magister	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA

SCIENTIFIC _NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS
Neotoma magister	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Neotoma magister	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Neotoma magister	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Notropis rupestris	Van Buren (TN)	35085-G4, Bald Knob	05130108 - Caney	<Null>	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Palamocladium leskeoides	White (TN); Warren (TN)	35085-G6, Campaign	05130108 - Caney	<Null>	CENTER HILL LAKE - US ARMY CORPS OF ENGINEERS; ROCK ISLAND STATE PARK
Phyllanthopsis phyllanthoides	White (TN); Warren (TN)	35085-G6, Campaign	05130108 - Caney	<Null>	CENTER HILL LAKE - US ARMY CORPS OF ENGINEERS; ROCK ISLAND STATE PARK
Pseudosinella christianseni	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Pseudosinella spinosa	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Pseudosinella spinosa	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Scoterpes ventus	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA

SCIENTIFIC _NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS
Scoterpes ventus	Van Buren (TN)	35085-F4, Spencer	05130108 - Caney	CAMPS GULF CAVE	FALL CREEK FALLS STATE PARK; FALL CREEK FALLS DESIGNATED STATE NATURAL AREA
Spiraea virginiana	Rhea (TN)	35084-E8, Evensville	06010201 - Watts Bar Lake	<Null>	<Null>
Spiranthes lucida	Warren (TN)	35085-G6, Campaign; 35085-G5, Doyle	05130108 - Caney; 05130107 - Collins	<Null>	CENTER HILL LAKE - US ARMY CORPS OF ENGINEERS; ROCK ISLAND STATE PARK
Vitis rupestris	White (TN)	35085-G6, Campaign	05130108 - Caney	<Null>	CENTER HILL LAKE - US ARMY CORPS OF ENGINEERS; ROCK ISLAND STATE PARK

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_ OBS_DATE	LAST_ OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_ PROTECTION	EO_RANK
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	5/17/1967	5/5/1971	G3G4	S3S4	--	Rare, Not State Listed	Verified extant (viability not assessed)
Aneides aeneus	Green Salamander	Vertebrate Animal	Amphibian	5/5/1971	5/5/1971	G3G4	S3S4	--	Rare, Not State Listed	Verified extant (viability not assessed)
Desmognathus welteri	Black Mountain Salamander	Vertebrate Animal	Amphibian	4/10/1991	4/10/1991	G4	S3	--	D	Verified extant (viability not assessed)
Drosera intermedia	Spoonleaf Sundew	Vascular Plant	Flowering Plant	9/24/1976	9/24/1976	G5	S2	--	S	Historical

SCIENTIFIC _ NAME	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Aneides aeneus	LAKE DAM; SANDSTONE BLUFFS.	SPECIMENS COLLECTED. SWAP[1971-05-05: 1 Indiv. Observed(1 location) 1971-05-04: 1 Indiv. Observed(1 location) 1967-05-20: 1 Indiv. Observed(1 location) 1967-05-10: 3 Indiv. Observed(3 locations)]	FALLS AT MONTEREY LAKE, ALSO SANDSTONE BLUFFS NEAR MONTEREY LAKE.	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland
Aneides aeneus	ROCK LEDGE	SPECIMEN COLL. FROM ROCK LEDGE.	VERBLE HOLLOW	<Null>	Damp crevices in shaded rock outcrops and ledges; beneath loose bark and cracks of trees and sometimes in/or under logs.	Upland
Desmognathus welteri	<Null>	ONE SPECIMEN WAS COLLECTED AT THIS LOCALITY AND IS STORED IN THE AUSTIN PEAY STATE UNIVERSITY MUSEUM OF ZOOLOGY (CAT. NO. 04500).	APPROXIMATELY 8 MILES NORTHWEST OF CRAB ORCHARD IN A LARGE STREAM RUNNING THROUGH THE VALLEY. PLOTTED ON THE NORTH SHORE OF TURNER LAKE.	<Null>	Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	Aquatic
Drosera intermedia	WET ROADSIDE DITCH ALONG THE W LANE OF I-40 (FRT).	1976-09-24: COLLECTED BY WOFFORD ET AL AS D. CAPILLARIS. ANNOTATED TO D. INTERMEDIA BY BRIAN BOOM 1978-07.	I-40 MM 313.8, 3.1MI E OF EXIT 311(PLATEAU RD)	THIS RECORD WAS ORGINALLY MAPPED IN 1977. IN 1978 IT WAS ANNOTATED TO D. INTERMEDIA. RE-PARENTED TO D. INTERMEDIA IN 2009.	Acidic Wetlands	Possible

SCIENTIFIC _ NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_ AREAS
Aneides aeneus	<Null>	TENNESSEE TECH UNIVERSITY ZOOLOGY COLLECTION, DEPARTMENT OF BIOLOGY, COOKEVILLE, TN 38502.	Putnam (TN)	36085-A3, Monterey Lake; 36085-A2, Campbell Junction; 36085-B3, Monterey	05130108 - Caney	WILLIAMS TRACT	<Null>
Aneides aeneus	<Null>	TENNESSEE TECH UNIVERSITY ZOOLOGY COLLECTION, DEPARTMENT OF BIOLOGY, COOKEVILLE, TN 38502.	Putnam (TN); Cumberland (TN)	36085-A2, Campbell Junction; 36085-A3, Monterey Lake; 36085-B2, Obey City; 36085-B3, Monterey	05130108 - Caney; 05130105 - Obey	<Null>	<Null>
Desmognathus welteri	<Null>	AUSTIN PEAY STATE UNIVERSITY MUSEUM OF ZOOLOGY, DEPARTMENT OF BIOLOGY, CLARKSVILLE, TN 37040.	Cumberland (TN)	35084-H8, Dorton	06010208 - Emory	<Null>	<Null>
Drosera intermedia	Preferred: Interior Low Plateau--Eastern Highland Rim Prairie and Barrens (CES202.354)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Cumberland (TN)	36085-A1, Isoline	06010208 - Emory	<Null>	<Null>

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_PROTECTION	EO_RANK
Desmognathus welteri	Black Mountain Salamander	Vertebrate Animal	Amphibian	4/10/1991	4/10/1991	G4	S3	--	D	Verified extant (viability not assessed)
Lilium philadelphicum	Wood Lily	Vascular Plant	Flowering Plant	1993-07	1993-07	G5	S1	--	E	Verified extant (viability not assessed)
Symphyotrichum pratense	Barrens Silky Aster	Vascular Plant	Flowering Plant	<Null>	9/29/1949	G4?	S1	--	E	Historical

SCIENTIFIC _NAME	GEN_ DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT	WET_ HABITAT_ FLAG
Desmognathus welteri	<Null>	ONE SPECIMEN WAS COLLECTED AT THIS LOCALITY AND IS STORED IN THE AUSTIN PEAY STATE UNIVERSITY MUSEUM OF ZOOLOGY (CAT. NO. 04500).	APPROXIMATELY 8 MILES NORTHWEST OF CRAB ORCHARD IN A LARGE STREAM RUNNING THROUGH THE VALLEY. PLOTTED ON THE NORTH SHORE OF TURNER LAKE.	<Null>	Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	Aquatic
Lilium philadelphicum	DRY, ROCKY SITE UNDER POWERLINE RIGHT-OF-WAY.	7-10 PLANTS IN FLOWER.	CRAB ORCHARD. HEBBERTSBURG ROAD 3.3 MILES NORTH TO FIRST POWERLINE CROSSING. EAST SIDE BEFORE FIRST TOWER.	SPECIES OBSERVED WHILE ON A BOTANY FIELD TRIP WITH VERN MCNEILUS AND EUGENE WOFFORD. NO SPECIMEN COLLECTED.	Dry Openings, Powerlines	Possible
Symphyotrichum pratense	<Null>	OPEN OAK BARRENS	WALDEN'S RIDGE ABOVE ROCKWOOD	<Null>	Barrens	Upland

SCIENTIFIC _NAME	ECOLOGICAL_ SYSTEMS	REFERENCE_ PRIMARY	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS
Desmognathus welteri	<Null>	AUSTIN PEAY STATE UNIVERSITY MUSEUM OF ZOOLOGY, DEPARTMENT OF BIOLOGY, CLARKSVILLE, TN 37040.	Cumberland (TN)	35084-H8, Dorton	06010208 - Emory	<Null>	<Null>
Lilium philadelphicum	Suitable: Cumberland Plateau and Mountains--Cumberland Wet-Mesic Meadow and Savanna (CES202.053); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Cumberland Plateau and Mountains--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Suitable: Ridge and Valley--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359)	SMITH-KILLEFFER, TERRI. VIRGINIA DIVISION OF NATURAL HERITAGE PROJECT. (FORMER BOTANIST WITH TVA NATURAL HERITAGE).	Cumberland (TN)	35084-H7, Ozone	06010208 - Emory	<Null>	CUMBERLAND TRAIL STATE PARK
Symphyotrichum pratense	Suitable: All Provinces--Old Field / Successional (); Preferred: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Eastern Highland Rim Prairie and Barrens (CES202.354); Marginal: Cumberland Plateau and Mountains--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Cumberland (TN); Roane (TN)	35084-H6, Cardiff	06010201 - Watts Bar Lake; 06010208 - Emory	<Null>	MOUNT ROOSEVELT WMA

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1994-00-00	1994-00-00	G3	S2	--
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	<Null>	1996	G3	S2	--
Dendroica cerulea	Cerulean Warbler	Vertebrate Animal	Bird	1972-SUMM	1972-SUMM	G4	S3B	--
Myotis grisescens	Gray Myotis	Vertebrate Animal	Mammal	10/31/1994	10/31/1994	G4	S2	LE
Sorex cinereus	Cinereus Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--
Synaptomys cooperi	Southern Bog Lemming	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--

SCIENTIFIC _ NAME	ST_ PROTECTION	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS
Delphinium exaltatum	E	Good or fair estimated viability	THREE HABITATS: "LIMESTONE LEDGES IN RIGHT-OF-WAY" [MOST COMMON HERE]; "FORESTED LIMESTONE LEDGES"; "LEVEL ROCKY RIGHT OF WAY"	1994: CA 100 PLANTS OBSERVED BY POUNDS.	ORR, VICINITY OF POWERLINE, N OF BETHEL VALLEY RD AT WALKER BRANCH. BETWEEN 0.15 AND 0.2 MI N OF RD ON POWERLINE.
Delphinium exaltatum	E	Verified extant (viability not assessed)	<Null>	<Null>	CA. 0.1 MILE N OF BETHEL VALLEY ROAD, 0.25 MILE WEST OF WALKER BRANCH TRIBUTARY OF MELTON HILL LAKE. [PLOTTED USING MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]
Dendroica cerulea	D	Historical	<Null>	AT LEAST ONE SPECIMEN OBSERVED BETWEEN 30 MAY AND 20 JULY. NO DOCUMENTATION OF BREEDING IN CITATION.	WALKER BRANCH WATERSHED
Myotis grisescens	E	Possibly poor estimated viability	A building at Y-12 facility, Oak Ridge.	MITCHELL ET AL. (1996) REPORTED THAT 1 BAT WAS FOUND IN THE BUILDING ON OCTOBER 31, 1994. THE BAT WAS SENT TO THE U.S. FISH AND WILDLIFE SERVICE IN COOKEVILLE, TN. FROM TVA RECORD: 1 DEAD SPECIMEN FOUND AT THE Y-12 FACILITY.	BUILDING 9204-3, AT THE OAK RIDGE Y-12 PLANT, ON THE DEPARTMENT OF ENERGY RESERVATION. FROM TVA RECORD: Y-12 BUILDING, OAK RIDGE NATIONAL LABORATORY AND RESERVATION.
Sorex cinereus	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	CHESTNUT RIDGE NORTH OF ORNL.
Synaptomys cooperi	D	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	BEARDEN CREEK @ HAW RIDGE, BEARDEN CREEK T& E STUDY SITE.

SCIENTIFIC _ NAME	GEN_COMMENTS	HABITAT	WET_ HABITAT_ FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Delphinium exaltatum	ACONITUM UNCINATUM ALSO AT SITE; THIS PLANT CAN BE CONFUSED WITH DELPHINIUM EXALTATUM.	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Pounds, L. and D. Awl. 1994. Proposed revisions to the ORR sensitive area system (1994).
Delphinium exaltatum	<Null>	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Dendroica cerulea	Linda Mann (ESD-ORR) talked to Stan Anderson 27 Jan 1995 regarding this occurrence; Anderson is CERTAIN this represents a breeding record, though no nest was observed.	Mature deciduous forest, particularly in floodplains or mesic conditions.	Upland	<Null>	ANDERSON, S.H., H.H. SHUGART, JR. 1974. HABITAT SELECTION OF BREEDING BIRDS IN AN EAST TENNESSEE DECIDUOUS FOREST. ECOL. 55: 828-837.
Myotis grisescens	PLOTTED ACCORDING TO THE MAP GIVEN IN THE SOURCE.	Cave obligate year-round; frequents forested areas; migratory.	Upland	<Null>	MITCHELL, J. M., E. R. VAIL, J. W. WEBB, J. W. EVANS, A. L. KING, AND P. A. HAMLETT. 1996. SURVEY OF PROTECTED TERRESTRIAL VERTEBRATES ON THE OAK RIDGE RESERVATION. FINAL REPORT. LOCKHEED MARTIN ENERGY SYSTEMS, INC., ENVIRONMENTAL RESTORATION DIVISION, OAK RIDGE, TN. JULY 1996.
Sorex cinereus	The original minutes record was mapped in the location. A new source polygon was created to better capture Chestnut Ridge.	Rich woodlands of many types; open fields; middle and east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Synaptomys cooperi	<Null>	Marshy meadows, wet balds, & rich upland forests.	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.

SCIENTIFIC _ NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Delphinium exaltatum	Anderson (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Delphinium exaltatum	Anderson (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Dendroica cerulea	Anderson (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR WALKER BRANCH FOTHERGILLA SITE [NA12]	DOE OAK RIDGE RESERVATION
Myotis grisescens	Anderson (TN)	35084-H3, Bethel Valley; 35084-H2, Lovell	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Sorex cinereus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR BEAR CREEK MESIC FOREST [RA7]	DOE OAK RIDGE RESERVATION
Synaptomys cooperi	Anderson (TN); Knox (TN); Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR CHESTNUT RIDGE BARREN AND WETLAND [NA-35]; ORR BETHEL VALLEY SMALL-HEAD RUSH WETLAND [NA-38]; ORR CHESTNUT RIDGE SPRINGS AREA [RA21]; ORR WALKER BRANCH EMBAYMENT BARREN [NA7]; ORR BEARDEN CREEK GORGE AND WETLAND [NA-36]; ORR WHITE CEDAR AREA [NA14]; CLINCH STATE SCENIC RIVER	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COMMON _ NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTIO N	ST_PROTECTIO N
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1994-00-00	1994-00-00	G3	S2	--	E
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	1976-07-00	1990-00-00	G3	S2	--	E
Delphinium exaltatum	Tall Larkspur	Vascular Plant	Flowering Plant	<Null>	1996	G3	S2	--	E
Dendroica cerulea	Cerulean Warbler	Vertebrate Animal	Bird	1972-SUMM	1972-SUMM	G4	S3B	--	D
Sorex cinereus	Cinereus Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Synaptomys cooperi	Southern Bog Lemming	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D

SCIENTIFIC _NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS
Delphinium exaltatum	Good or fair estimated viability	THREE HABITATS: "LIMESTONE LEDGES IN RIGHT-OF-WAY" [MOST COMMON HERE]; "FORESTED LIMESTONE LEDGES"; "LEVEL ROCKY RIGHT OF WAY"	1994: CA 100 PLANTS OBSERVED BY POUNDS.	ORR, VICINITY OF POWERLINE, N OF BETHEL VALLEY RD AT WALKER BRANCH. BETWEEN 0.15 AND 0.2 MI N OF RD ON POWERLINE.
Delphinium exaltatum	Fair estimated viability	ON LEVEL AREA UNDER THIN, MIXED PINE AND CEDAR ON SHALLOW LIMESTONE SOIL WITH SOME JAPANESE HONEYSUCKLE. 1993 REPORT: "SHALLOW SOIL IN OPEN, CEDAR-DOMINATED WOODS WITH NUMEROUS LIMESTONE OUTCROPS"; LOWER SLOPE OF HAW RIDGE JUST WEST OF NA8" TVA [MANN]: "FAIRLY UNDISTURBED OAK-CEDAR WOODLAND".	JULY 1976: POP. OF APPROX. 12 PLANTS IN SMALL PATCH OBS BY MANN, NO SPECIMEN COLLECTED. [THIS IS ONLY PART OF POPULATION; MORE DATA NEEDED].	LOCATED ON LOWER SLOPE OF HAW RIDGE JUST WEST OF NATURAL AREA 8.
Delphinium exaltatum	Verified extant (viability not assessed)	<Null>	<Null>	CA. 0.1 MILE N OF BETHEL VALLEY ROAD, 0.25 MILE WEST OF WALKER BRANCH TRIBUTARY OF MELTON HILL LAKE. [PLOTTED USING MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]
Dendroica cerulea	Historical	<Null>	AT LEAST ONE SPECIMEN OBSERVED BETWEEN 30 MAY AND 20 JULY. NO DOCUMENTATION OF BREEDING IN CITATION.	WALKER BRANCH WATERSHED
Sorex cinereus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	CHESTNUT RIDGE NORTH OF ORNL.
Synaptomys cooperi	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	BEARDEN CREEK @ HAW RIDGE, BEARDEN CREEK T& E STUDY SITE.

SCIENTIFIC _NAME	GEN_COMMENTS	HABITAT	WET_ HABITAT_ FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY
Delphinium exaltatum	ACONITUM UNCINATUM ALSO AT SITE; THIS PLANT CAN BE CONFUSED WITH DELPHINIUM EXALTATUM.	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	Pounds, L. and D. Awl. 1994. Proposed revisions to the ORR sensitive area system (1994).
Delphinium exaltatum	REMAPPED 94-12-19 BASED ON INFO FROM LARRY POUNDS AT ORNL. OLD LAT LONG 355705N 0841625W. MOST PLANTS(?) IN POWERLINE; ALSO SCATTERED WITHIN A LARGER POLYGON BETWEEN EMBAYMENT AND RD TO WATER TANK, AND BETWEEN BV RD AND KNOBS TO S. THIS EOR COULD BE BROKEN UP INTO SEVERAL SMALLER ONES IF DESIRED. INCLUDES EOR.005*TV AT LAT/LONG 355703N 0841635W.	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.
Delphinium exaltatum	<Null>	Glades And Barrens	Upland	Marginal: Ridge and Valley--Central Appalachian Alkaline Glade and Woodland (CES202.602); Suitable: Ridge and Valley--Ridge and Valley Calcareous Valley Bottom Glade and Woodland (CES202.024); Preferred: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.
Dendroica cerulea	Linda Mann (ESD-ORR) talked to Stan Anderson 27 Jan 1995 regarding this occurrence; Anderson is CERTAIN this represents a breeding record, though no nest was observed.	Mature deciduous forest, particularly in floodplains or mesic conditions.	Upland	<Null>	ANDERSON, S.H., H.H. SHUGART, JR. 1974. HABITAT SELECTION OF BREEDING BIRDS IN AN EAST TENNESSEE DECIDUOUS FOREST. ECOL. 55: 828-837.
Sorex cinereus	The original minutes record was mapped in the location. A new source polygon was created to better capture Chestnut Ridge.	Rich woodlands of many types; open fields; middle and east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.
Synaptomys cooperi	<Null>	Marshy meadows, wet balds, & rich upland forests.	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.

SCIENTIFIC _NAME	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Delphinium exaltatum	Anderson (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Delphinium exaltatum	Anderson (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR WALKER BRANCH EMBAYMENT BARREN [NA7]	DOE OAK RIDGE RESERVATION
Delphinium exaltatum	Anderson (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Dendroica cerulea	Anderson (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR WALKER BRANCH FOTHERGILLA SITE [NA12]	DOE OAK RIDGE RESERVATION
Sorex cinereus	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR BEAR CREEK MESIC FOREST [RA7]	DOE OAK RIDGE RESERVATION
Synaptomys cooperi	Anderson (TN); Knox (TN); Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR CHESTNUT RIDGE BARREN AND WETLAND [NA-35]; ORR BETHEL VALLEY SMALL-HEAD RUSH WETLAND [NA-38]; ORR CHESTNUT RIDGE SPRINGS AREA [RA21]; ORR WALKER BRANCH EMBAYMENT BARREN [NA7]; ORR BEARDEN CREEK GORGE AND WETLAND [NA-36]; ORR WHITE CEDAR AREA [NA14]; CLINCH STATE SCENIC RIVER	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_PROTECTION
Hemitremia flammea	Flame Chub	Vertebrate Animal	Fish	4/19/2001	6/27/2006	G3	S3	--	D
Marshallia trinervia	Broad-leaved Barbara's-buttons	Vascular Plant	Flowering Plant	7/13/1990	7/13/1990	G3	S2S3	--	T
Myotis grisescens	Gray Myotis	Vertebrate Animal	Mammal	7/22/1998	10/9/1998	G4	S2	LE	E
Sorex longirostris	Southeastern Shrew	Vertebrate Animal	Mammal	8/19/1998	8/19/1998	G5	S4	--	D

SCIENTIFIC _NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT
Hemitremia flammea	Verified extant (viability not assessed)	<Null>	SWAP[2006-06-27: 123 Indiv. Observed(1 location) 2001-04-19: 2 Indiv. Observed(1 location)]	Nearest USGS Placename: 0.293 mile(s) South West of Spring Creek Cemetery, Franklin County, TN	SWAP li_obs nos. [39692, 50828]; Scientific Collection Permit(s): 750	Springs and spring-fed streams with lush aquatic vegetation; Tennessee & middle Cumberland river watersheds.
Marshallia trinervia	Fair estimated viability	A WET/MOIST SWAMP FOREST ALONG ROWLAND (ROLLINS) CREEK ON ITS LOWER TERRACE.	1990: SMALL POPULATION (ABOUT 12 PLANTS) IN FLOWER.	AEDC ROWLAND (ROLLINS) CREEK: ALONG CREEK DOWNSTREAM FROM INTERSECTION WITH SUBSTATION ROAD. WALK SOUTH ALONG CREEK, ABOUT HALFWAY TO POWERLINE RIGHT-OF-WAY (200 YARDS) IN "FLAT AREA".	NOT SEEN 1992 FIELD SURVEY. FIRST SEEN 1990 J. CARMAN, D. HORN.	Rocky Ravines
Myotis grisescens	Verified extant (viability not assessed)	<Null>	3D/INTERNATIONAL ENVIRONMENTAL GROUP (1998) OBSERVED ONE JUVENILE GRAY BAT AT THIS SITE (#30) AT ARNOLD AIR FORCE BASE TN.	ARNOLD AIR FORCE BASE ON NORTH END OF ROLLINS CREEK.	1 JUVENILE LITTLE BROWN BAT (MYOTIS LUCIFUGUS) WAS ALSO OBSERVED AT THIS SITE.	Cave obligate year-round; frequents forested areas; migratory.
Sorex longirostris	Verified extant (viability not assessed)	BOTTOMLAND HARDWOOD FOREST WITH HEAVY GROUND COVER CONSISTING OF MICROSTEGIUM VIMINEUM.	SCHACHER AND HENRY (1998) CAPTURED ONE SHREW AT THIS SITE ON AUGUST 19, 1998.	TIMS FORD RESERVOIR LANDS, JUST NORTH OF ELK RIVER, UPSTREAM OF BETH PAGE ROAD BRIDGE.	ONE SHREW WAS CAPTURED IN A SERIES OF PITFALL TRAPS. OTHER SPECIES CAPTURED INCLUDE BLARINA BREVECAUDA, AMBYSTOMA OPACUM, A. TALPOIDEUM (AAAAA01120.104.TV),	Various habitats including wet meadows, damp woods, and uplands; statewide.

SCIENTIFIC _NAME	WET_ HABITAT_ FLAG	ECOLOGICAL_ SYSTEMS	REFERENCE_PRIMARY	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS
Hemitremia flammea	Aquatic	<Null>	Tennessee Wildlife Resources Agency. 2011. State Wildlife Action Plan Database, Aquatic Scientific Collection Permits Data (7/22/2009). Tennessee Nature Conservancy (J. Wisby).	Franklin (TN)	35086-C1, Capitol Hill	06030003 - Upper Elk	<Null>	<Null>
Marshallia trinervia	Possible	Suitable: Interior Low Plateau--Interior Low Plateau Seepage Fen (CES202.346); Preferred: Interior Low Plateau--South-Central Interior Small Stream and Riparian (CES202.706)	DESELM, H.R. & M. PYNE. 1992. RARE PLANTS OF THE USAF ARNOLD ENGINEERING DEVELOPMENT CENTER. THE NATURE CONSERVANCY, TENNESSEE FIELD OFFICE.	Franklin (TN)	35086-C1, Capitol Hill	06030003 - Upper Elk	<Null>	AEDC MILITARY RESERVATION; AEDC WILDLIFE MANAGEMENT AREA & WOODS RESERVOIR
Myotis grisescens	Upland	<Null>	3D/INTERNATIONAL ENVIRONMENTAL GROUP. 1998. INDIANA BAT SURVEY AT ARNOLD AIR FORCE BASE.	Franklin (TN)	35086-C1, Capitol Hill	06030003 - Upper Elk	AEDC ROWLAND (ROLLINS) CREEK	AEDC MILITARY RESERVATION; AEDC WILDLIFE MANAGEMENT AREA & WOODS RESERVOIR
Sorex longirostris	Possible	<Null>	SCHACHER, WAYNE. FIELD NOTES FROM CONTRACT WORK PERFORMED FOR TVA REGIONAL NATURAL HERITAGE PROGRAM.	Franklin (TN)	35086-C1, Capitol Hill	06030003 - Upper Elk	<Null>	<Null>

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION
Marshallia grandiflora	Large-fl. Barbara's-buttons	Vascular Plant	Flowering Plant	7/7/1934	7/7/1934	G3	S2	--
Panax quinquefolius	American Ginseng	Vascular Plant	Flowering Plant	<Null>	1996	G3G4	S3S4	--
Symphyotrichum pratense	Barrens Silky Aster	Vascular Plant	Flowering Plant	<Null>	9/29/1949	G4?	S1	--
Thuja occidentalis	Northern White Cedar	Vascular Plant	Plant: Gymnosperm	1933-10-00	1/12/1936	G5	S3	--

SCIENTIFIC _ NAME	ST_ PROTECTION	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS
Marshallia grandiflora	E	Historical	BLUFFS ALONG EMORY RIVER	DATA INCOMPLETE.	BLUFFS ALONG EMORY RIVER, HARRIMAN.
Panax quinquefolius	S-CE	Verified extant (viability not assessed)	<Null>	<Null>	BETWEEN TWO POWERLINE R/O/W'S, ON BANK OVERLOOKING TRIBUTARY OF THE CLINCH RIVER, SOUTH OF SUGAR GROVE VALLEY ROAD, WEST OF OAK RIDGE PLANT. [PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL HERITAGE PROGRAM.]
Symphyotrichum pratense	E	Historical	<Null>	OPEN OAK BARRENS	WALDEN'S RIDGE ABOVE ROCKWOOD
Thuja occidentalis	S	Historical	1936-01-12: LIMESTONE BLUFF. 1934-07-07: DOLOMITE BLUFF. 1934-07-04: SHALE BLUFF. 1933-11-06: MOIST BANKS OVER DOLOMITE.	1933-11-06: (J.K. UNDERWOOD, A.J. SHARP, K.M. JENNISON) COLL.# 416, TENN. 1936-01-12: (H.M. JENNISON) COLL.# 4295, TENN, SMALL TREE ROOTED BETWEEN LIMESTONE BOULDERS, ON BLUFF, PROBABLY SOUTHERN OUTPOST FOR THIS SPECIES. 1934-07-04: (A.J. SHARP, J.K. UNDERWOOD) COLL.# 2178, TENN. 1933-10-00: (H.M. JENNISON) TENN. 1934-07-07: (J.K. UNDERWOOD, A.J. SHARP) TENN.	1933-11-06: EMORY HEIGHTS, HARRIMAN. 1936-01-12: ROOTED BETWEEN LIMESTONE BOULDERS, BLUFF OF THE EMORY RIVER, NEAR (DOWNSTREAM) SOUTH END OF HARRIMAN BRIDGE. 1934-07-04: SHALE BLUFF, HARRIMAN. 1933-10-00: ALONG EMORY RIVER, BELOW EMORY HEIGHTS. 1934-07-07: DOLOMITE BLUFF, EMORY RIVER, NEAR HARRIMAN.

SCIENTIFIC _ NAME	GEN_COMMENTS	HABITAT	WET_ HABITAT_ FLAG	ECOLOGICAL_SYSTEMS
Marshallia grandiflora	A57CHA01TNUS CITES "Tennessee, Roane Co.-Emory River, Harrimon (sic): Sharp 2007 [not 2009] (TENN); Underwood & Sharp 1144 (BLK); Underwood 2767 (PH)." NO DATE CITED; ASSUMED TO BE THE SAME RECORD. NEED TO CHECK SPEC NUMBER AT TENN! ***ORIGINAL LOCATION WAS MAPPED ELSEWHERE, LOCATION WAS CHANGED TO MATCH THE PDCUP06010.006 RECORD WITH THE SAME COLLECTION DATE AND COLLECTOR (CJB, 2004)	Rocky River Bars	Possible	Preferred: Cumberland Plateau and Mountains--Cumberland Riverscour (CES202.036)
Panax quinquefolius	<Null>	Rich Woods	Possible	Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Limestone Forest (CES203.502); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Bluff Forest (CES203.481); Marginal: Gulf Coastal Plain--East Gulf Coastal Plain Northern Loess Plain Oak-Hickory Upland (CES203.482); Suitable: Gulf Coastal Plain--East Gulf Coastal Plain Northern Mesic Hardwood Slope Forest (CES203.477); Suitable: Gulf Coastal Plain--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Preferred: Interior Low Plateau--South-Central Interior Mesophytic Forest (CES202.887); Suitable: Cumberland Plateau and Mountains--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Cumberland Plateau and Mountains--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Cumberland Plateau and Mountains--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Cumberland Plateau and Mountains--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Marginal: Ridge and Valley--Southern Appalachian Oak Forest (CES202.886); Suitable: Ridge and Valley--Southern Ridge and Valley / Cumberland Dry Calcareous Forest (CES202.457); Preferred: Ridge and Valley--South-Central Interior Mesophytic Forest (CES202.887); Preferred: Ridge and Valley--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Ridge and Valley--Southern Appalachian Montane Pine Forest and Woodland (CES202.331); Suitable: Southern Blue Ridge--Southern Appalachian Northern Hardwood Forest (CES202.029); Marginal: Southern Blue Ridge--Southern Appalachian Oak Forest (CES202.886); Preferred: Southern Blue Ridge--Southern and Central Appalachian Cove Forest (CES202.373); Marginal: Southern Blue Ridge--Southern Appalachian Montane Pine Forest and Woodland (CES202.331)
Symphyotrichum pratense	<Null>	Barrens	Upland	Suitable: All Provinces--Old Field / Successional (); Preferred: Interior Low Plateau--Central Interior Highlands Calcareous Glade and Barrens (CES202.691); Suitable: Interior Low Plateau--Eastern Highland Rim Prairie and Barrens (CES202.354); Marginal: Cumberland Plateau and Mountains--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)
Thuja occidentalis	<Null>	Calcareous Rocky Seeps, Cliffs	Upland	Suitable: Interior Low Plateau--Central Interior Calcareous Cliff and Talus (CES202.690); Marginal: Cumberland Plateau and Mountains--Cumberland Acidic Cliff and Rockhouse (CES202.309); Suitable: Ridge and Valley--Southern Interior Calcareous Cliff (CES202.356); Suitable: Southern Blue Ridge--Southern Interior Calcareous Cliff (CES202.356)

SCIENTIFIC _ NAME	REFERENCE_PRIMARY	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_ AREAS	
Marshallia grandiflora	CHANELL, R.B. 1957. A REVISIONAL STUDY OF THE GENUS MARSHALLIA (COMPOSITAE). CONT. GRAY HERBARIUM OF HARVARD UNIVERSITY. PP. 74-79 ET SEQ.	Roane (TN)	35084-H5, Harriman	06010208 - Emory	<Null>	<Null>	
Panax quinquefolius	POUNDS, LARRY. FIELD MAP OF PLANT COLLECTIONS ON THE OAK RIDGE RESERVATION.	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION	
Symphyotrichum pratense	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Cumberland (TN); Roane (TN)	35084-H6, Cardiff	06010201 - Watts Bar Lake; 06010208 - Emory	<Null>	MOUNT ROOSEVELT WMA	
Thuja occidentalis	UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.	Roane (TN)	35084-H5, Harriman	06010208 - Emory	<Null>	<Null>	

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_PROTECTION	EO_RANK
Dendroica cerulea	Cerulean Warbler	Vertebrate Animal	Bird	5/20/2009	6/9/2009	G4	S3B	--	D	Verified extant (viability not assessed)
Desmognathus welteri	Black Mountain Salamander	Vertebrate Animal	Amphibian	10/2/1976	10/2/1976	G4	S3	--	D	Verified extant (viability not assessed)
Etheostoma baileyi	Emerald Darter	Vertebrate Animal	Fish	1977	1977	G4G5	S2	--	D	Historical
Etheostoma baileyi	Emerald Darter	Vertebrate Animal	Fish	1969	1981	G4G5	S2	--	D	Verified extant (viability not assessed)
Etheostoma cinereum	Ashy Darter	Vertebrate Animal	Fish	5/30/1996	5/30/1996	G2G3	S2S3	--	T	Verified extant (viability not assessed)
Myotis grisescens	Gray Myotis	Vertebrate Animal	Mammal	10/31/1994	10/31/1994	G4	S2	LE	E	Possibly poor estimated viability

SCIENTIFIC _NAME	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS
Dendroica cerulea	<Null>	SWAP[2009-06-09: Present(9 locations) 2009-06-03: Present(23 locations) 2009-05-28: Present(2 locations) 2009-05-21: Present(25 locations) 2009-05-20: Present(23 locations)]	Nearest USGS Placename: 0.056 mile(s) North of Bowling Gap, Scott County, TN	SWAP li_obs nos. [274106, 274110, 274112, 274113, 274117, 274118, 274124, 274125, 274130, 274131, 274138, 274143, 274144, 274149, 274150, 274152, 274159, 274185, 274186, 274188, 274191, 274202, 274240, 274108, 274127, 274128, 274160, 274192, 274195, 274197, 274107, 274109, 274111, 274114, 274115, 274116, 274119, 274120, 274121, 274122, 274123, 274126, 274132, 274133, 274134, 274135, 274136, 274137, 274139, 274140, 274141, 274142, 274145, 274146, 274147, 274148, 274151, 274153, 274154, 274183, 274184, 274187, 274189, 274190, 274193, 274194, 274198, 274199, 274200, 274201, 274203, 274204, 274205, 274232, 274233, 274234, 274235, 274236, 274237, 274238, 274239, 274196]
Desmognathus welteri	<Null>	1976-10-02: JONES COLL 8 SPECIMENS UNDER ROCKS AND IN CREVICES.	ALONG BILL'S BRANCH CA 0.25 KM TO 0.75 KM FROM JCT WITH SMOKY CREEK, AND IN SPRING-FED TRIB OF BILL'S BRANCH.	THIS RECORD VAGUE; LCD ELEMENT FORM GIVES DIRECTIONS SIMILAR TO EOR #9 FOR THIS SP, BUT DISTINCTLY DIFFERENT COLL NOS. NOTE DATED 1984-03-23 BY REH NOTED THIS EOR WAS MAPPED BUT NOT IN MANUAL FILES. AN ERASURE WAS FOUND AT THIS POINT ON MAP E-48 ON 1993-08-11. EOR WAS REMAPPED BY DIW AT THIS LAT & LONG.
Etheostoma baileyi	<Null>	1996: NOT OBS.; 1977: SPECIMEN(S) OBS. OR COLL.	NEW RIVER BELOW AND ABOVE INDIAN FORK CONFLUENCE, OFF HWY. 116, ANDERSON CO.	THESE DATA PER PRELIMINARY REPORT FORWARDED TO ANDY BARRASS FROM BRIAN EVANS; NOTROPIS RUBELLUS RUBELLUS ALSO KNOWN FROM SITE.
Etheostoma baileyi	<Null>	1969, 1978, 1981: SPEC. OBS. OR COLL. ALL THREE YEARS; 1996: NOT OBS. SWAP[1969-09-07: Present(2 locations)]	SMOKY CREEK ABOVE HEMBREE BRIDGE ON SMOKY CREEK ROAD, SCOTT CO.	THESE DATA PER PRELIMINARY REPORT FORWARDED TO ANDY BARRASS FROM BRIAN EVANS; NOTROPIS RUBELLUS AND ETHEOSTOMA CINEREUM ALSO PRESENT.
Etheostoma cinereum	<Null>	1996: SPEC. OBS. OR COLL.; 1969, 1978, 1981: NOT OBS.	SMOKY CREEK ABOVE HEMBREE BRIDGE ON SMOKY CREEK ROAD, SCOTT CO.	THESE DATA PER PRELIMINARY REPORT FORWARDED TO ANDY BARRASS FROM BRIAN EVANS; ETHEOSTOMA BAILEYI AND NOTROPIS RUBELLUS RUBELLUS ALSO PRESENT.
Myotis grisescens	A building at Y-12 facility, Oak Ridge.	MITCHELL ET AL. (1996) REPORTED THAT 1 BAT WAS FOUND IN THE BUILDING ON OCTOBER 31, 1994. THE BAT WAS SENT TO THE U.S. FISH AND WILDLIFE SERVICE IN COOKEVILLE, TN. FROM TVA RECORD: 1 DEAD SPECIMEN FOUND AT THE Y-12 FACILITY.	BUILDING 9204-3, AT THE OAK RIDGE Y-12 PLANT, ON THE DEPARTMENT OF ENERGY RESERVATION. FROM TVA RECORD: Y-12 BUILDING, OAK RIDGE NATIONAL LABORATORY AND RESERVATION.	PLOTTED ACCORDING TO THE MAP GIVEN IN THE SOURCE.

SCIENTIFIC _NAME	HABITAT	WET_ HABITAT_ FLAG	ECOLOGICAL_ SYSTEMS	REFERENCE_PRIMARY	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS
Dendroica cerulea	Mature deciduous forest, particularly in floodplains or mesic conditions.	Upland	<Null>	Tennessee Wildlife Resources Agency. 2011. State Wildlife Action Plan Database, Forest Resources Habitat Conservation Plan Data (8/1/2010 - 1/20/2011). Tennessee Nature Conservancy (J. Wisby).	Scott (TN)	36084-C4, Norma	05130104 - South Fork Cumberland	<Null>	NORTH CUMBERLANDS WILDLIFE MANAGEMENT AREA
Desmognathus welteri	Spring runs and permanent streams in wooded mountainous terrain; northern Cumberlands.	Aquatic	<Null>	UNIVERSITY OF TENNESSEE VERTEBRATE ZOOLOGY COLLECTION, KNOXVILLE, TN 37996.	Scott (TN)	36084-B4, Fork Mountain	05130104 - South Fork Cumberland	<Null>	NORTH CUMBERLANDS WILDLIFE MANAGEMENT AREA
Etheostoma baileyi	Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	Aquatic	<Null>	EVANS, R. BRIAN. 1996. PRELIMINARY REPORT OF FISH COLLECTIONS IN THE NEW RIVER SYSTEM, ANDERSON, CAMPBELL AND SCOTT COUNTIES, TN. UTK DEPT. ECOL. & EVOL. BIOL,	Anderson (TN)	36084-B4, Fork Mountain; 36084-B3, Duncan Flats	05130104 - South Fork Cumberland	<Null>	NORTH CUMBERLANDS WILDLIFE MANAGEMENT AREA
Etheostoma baileyi	Creeks and small rivers with riffles containing gravel or rubble; upper Cumberland drainage.	Aquatic	<Null>	EVANS, R. BRIAN. 1996. PRELIMINARY REPORT OF FISH COLLECTIONS IN THE NEW RIVER SYSTEM, ANDERSON, CAMPBELL AND SCOTT COUNTIES, TN. UTK DEPT. ECOL. & EVOL. BIOL,	Scott (TN)	36084-B4, Fork Mountain	05130104 - South Fork Cumberland	<Null>	<Null>
Etheostoma cinereum	Small to medium upland rivers with bedrock or gravel substrate and boulders.	Aquatic	<Null>	EVANS, R. BRIAN. 1996. PRELIMINARY REPORT OF FISH COLLECTIONS IN THE NEW RIVER SYSTEM, ANDERSON, CAMPBELL AND SCOTT COUNTIES, TN. UTK DEPT. ECOL. & EVOL. BIOL,	Scott (TN)	36084-B4, Fork Mountain	05130104 - South Fork Cumberland	<Null>	<Null>
Myotis grisescens	Cave obligate year-round; frequents forested areas; migratory.	Upland	<Null>	MITCHELL, J. M., E. R. VAIL, J. W. WEBB, J. W. EVANS, A. L. KING, AND P. A. HAMLETT. 1996. SURVEY OF PROTECTED TERRESTRIAL VERTEBRATES ON THE OAK RIDGE RESERVATION. FINAL REPORT. LOCKHEED MARTIN ENERGY SYSTEMS, INC., ENVIRONMENTAL RESTORATION	Anderson (TN)	35084-H3, Bethel Valley; 35084-H2, Lovell	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION

SCIENTIFIC _ NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_ RANK	FED_PROTECTION	ST_PROTECTION	EO_RANK
Haliaeetus leucocephalus	Bald Eagle	Vertebrate Animal	Bird	3/7/2003	3/7/2003	G5	S3	--	D	Verified extant (viability not assessed)

SCIENTIFIC _ NAME	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT	WET_ HABITAT_FLAG
Haliaeetus leucocephalus	THE LARGE STICK NEST WAS IN A LARGE WHITE OAK LOCATED IN THE MIDDLE OF A STEEP FORESTED HILLSIDE. THE NEST IS ON THE NORTHERN SLOPE OF A LARGE RIDGE LOCATED IN THE OUTSIDE PORTION OF A BEND IN THE RIVER.	HENRY AND COTTRELL OBSERVED TWO ADULT BALD EAGLES AT THEIR NEST AT THIS LOCALITY ON 6 MARCH, 2003. THE FEMALE APPEARED TO BE INCUBATING EGGS.	DOUGLAS RESERVOIR, NEAR NAVIGATION POINT 18, AT FRENCH BROAD R.M. 60.9, ON THE LEFT DESCENDING BANK.	THE NEST IS IN A LARGE, HEALTHY WHITE OAK.	Areas close to large bodies of water; roosts in sheltered sites in winter; communal roost sites common.	Aquatic

SCIENTIFIC _ NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_ SITES	MANAGED_AREAS
Haliaeetus leucocephalus	<Null>	HENRY, TRAVIS HILL. TVA NATURAL HERITAGE PROJECT TERRESTRIAL ZOOLOGIST. FIELD NOTES AND FIELD SURVEY FORMS.	Cocke (TN)	35083-H3, Chestnut Hill	06010107 - Lower French Broad	<Null>	<Null>

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_ DATE	LAST_OBS_ DATE	GLOBAL_ RANK	ST_ RANK	FED_PROTECTIO N	ST_ PROTECTION	EO_RANK	GEN_DESCRIPTION
Ophisaurus attenuatus longicaudus	Eastern Slender Glass Lizard	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G5T5	S3	--	D	Historical	<Null>
Pituophis melanoleucus melanoleucus	Northern Pinesnake	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G4T4	S3	--	T	Verified extant (viability not assessed)	<Null>
Sorex cinereus	Cinereus Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D	Verified extant (viability not assessed)	<Null>
Zapus hudsonius	Meadow Jumping Mouse	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	No Status	D	Verified extant (viability not assessed)	<Null>

SCIENTIFIC _NAME	EO_DATA	DIRECTIONS	GEN_ COMMENTS	HABITAT	WET_ HABITAT_ FLAG	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES	USGS_ QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Ophisaurus attenuatus longicaudus	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE	CHESTNUT RIDGE NORTH OF ORNL.	<Null>	Dry upland areas including brushy, cut-over woodlands and	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division,	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR BEAR CREEK [ANA2]; ORR SPRING POND [RA28]; ORR PINE	DOE OAK RIDGE RESERVATION
Pituophis melanoleucus melanoleucus	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE	CHESTNUT RIDGE NORTH OF ORNL.	<Null>	Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division,	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR BEAR CREEK [ANA2]; ORR SPRING POND [RA28]; ORR PINE	DOE OAK RIDGE RESERVATION
Sorex cinereus	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE	CHESTNUT RIDGE NORTH OF ORNL.	The original minutes record was mapped in the location. A new source polygon	Rich woodlands of many types; open fields; middle and east Tennessee.	Upland	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division,	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR BEAR CREEK MESIC FOREST [RA7]	DOE OAK RIDGE RESERVATION
Zapus hudsonius	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE	CHESTNUT RIDGE NORTH OF ORNL.	<Null>	Open grassy fields; often abundant in thick vegetation near water bodies;	Possible	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division,	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR BEAR CREEK [ANA2]; ORR SPRING POND [RA28]; ORR PINE	DOE OAK RIDGE RESERVATION

SCIENTIFIC _NAME	COMMON _NAME	TYPE	CATEGORY	FIRST_OBS_DATE	LAST_OBS_DATE	GLOBAL_RANK	ST_RANK	FED_PROTECTION	ST_PROTECTION
Cumberlandia monodonta	Spectaclecase	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Cumberlandia monodonta	Spectaclecase	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Cyprogenia stegaria	Fanshell	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G1Q	S1	LE, XN	E
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G2	S2	--	Rare, Not State Listed
Io fluvialis	Spiny Riversnail	Invertebrate Animal	Mollusc	1985-PRE	1985-PRE	G2	S2	--	Rare, Not State Listed
Obovaria retusa	Ring Pink	Invertebrate Animal	Mollusc	6/3/1994	6/3/1994	G1	S1	LE,XN	E
Ophisaurus attenuatus longicaudus	Eastern Slender Glass Lizard	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G5T5	S3	--	D
Pituophis melanoleucus melanoleucus	Northern Pinesnake	Vertebrate Animal	Reptile	1995-PRE	1995-PRE	G4T4	S3	--	T
Plethobasus cyphyus	Sheepnose	Invertebrate Animal	Mollusc	6/1/1994	6/3/1994	G3	S2S3	LE	Rare, Not State Listed
Pseudognaphalium helleri	Heller's Catfoot	Vascular Plant	Flowering Plant	1983-PRE	1983-PRE	G4G5	S2	--	S
Sorex dispar	Long-tailed Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G4	S2	--	D
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D
Sorex fumeus	Smoky Shrew	Vertebrate Animal	Mammal	1995-PRE	1995-PRE	G5	S4	--	D

[Exempted from Disclosure by Statute]

Clinch_River_Segment

SCIENTIFIC _NAME	EO_RANK	GEN_DESCRIPTION	EO_DATA	DIRECTIONS	GEN_COMMENTS	HABITAT	WET_HABITAT_ FLAG
Cumberlandia monodonta	Historical	SUBSTRATE-- SAND GRAVEL MUD BOULDERS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 15.7. SYCAMORE DAYMARK	TWRA AND TDEC DIVERS SPENT 120 MIN AT THIS LOCALITY	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	Aquatic
Cumberlandia monodonta	Historical	SUBSTRATE-- BROKEN SHELF ROCK AND GRAVEL. DEPTH 30 FT	Exempted from Disclosure by Statute	CLINCH RIVER MILE 10.0 AT BRASHEAR ISLAND	TWRA AND TDEC DIVERS SPENT 240 MIN AT THIS LOCALITY	Medium to large rivers; in substrates from mud and sand to gravel, cobble, and boulders; Cumberland and Tennessee river systems.	Aquatic
Cyprogenia stegaria	Historical	SUBSTRATE-- SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>	Medium to large streams and rivers with coarse sand and gravel substrates; Cumberland and Tennessee river systems.	Aquatic
Io fluvialis	Verified extant (viability not assessed)	<Null>	SPECIMENS COLL.	CLINCH RIVER, WILLIAMSPORT (WILLIAMSPORT NOT LOCATED, PLOTTED AT APPROX. LOCATION OF FORMER WILLIAMS FERRY).	<Null>	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	Aquatic
Io fluvialis	Verified extant (viability not assessed)	<Null>	1 SPECIMEN COLL.	CLINCH RIVER, NEAR WALLER'S FERRY.	<Null>	Shallow waters of shoals that are rapid to moderate and well-oxygenated; Tennessee River & main tributaries; E Tennessee.	Aquatic
Obovaria retusa	Historical	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	Exempted from Disclosure by Statute	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>	Large rivers in gravel and sand bars; Tennessee & Cumberland river watersheds; many historic locations currently inundated.	Aquatic
Ophisaurus attenuatus longicaudus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Dry upland areas including brushy, cut-over woodlands and grassy fields; nearly statewide but obscure; fossorial.	Upland
Pituophis melanoleucus melanoleucus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Well-drained sandy soils in pine/pine-oak woods; dry mountain ridges; E portions of west TN, E to lower elev of the Appalachians.	Upland
Plethobasus cyphyus	Verified extant (viability not assessed)	SUBSTRATE WAS SHELF ROCK WITH GRAVEL FILLED CRACKS	TWRA AND TDEC (1994) REPORTED 1 LIVE INDIVIDUAL AT THIS LOCALITY	CLINCH RIVER MILE 21.4 DOWNSTREAM HWY. 95 BRIDGE.	<Null>	Large to medium-sized rivers, in riffles and coarse sand/gravel subst; TN & Cumb river systems incl KY Reservoir; W Uplands & Rim.	Aquatic
Pseudognaphalium helleri	Verified extant (viability not assessed)	OPEN CEDAR BARRENS; (PRESUMABLY) PRAIRIE LIKE BARRENS HABITAT WITH THIN ERODED, CHERTY SOIL OVER LIMESTONE	DATA INCOMPLETE. FROM TVHP: SEARCHED FOR BY LARRY POUNDS AND NOT FOUND DURING THE 1990S.	DRY CALCAREOUS SOIL ADJACENT TO THE CLINCH RIVER (WATTS BAR LAKE) ON CAMPBELL BEND. NEED MORE EXACT INFO. MAPPED AT MARGNUM 4 FOR TEMPORARY CONVENIENCE.	MAPPED AT MARGNUM 4 FOR CONVENIENCE; NEED TO DETERMINE EXACT LOCATION!; DISCOVERED BY TOM PATRICK (1983?). DELPHINIUM EXALTATUM, SOLIDAGO PTARMICOIDES, LIATRIS CYLINDRACEA, AGALINIS AURICULATA ON OTHER PARTS OF SITE; (SILPHIUM TEREBINTHINACEUM DOMINANT IN BARRENS).	Dry Sandy Woods	Upland
Sorex dispar	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Mountainous, forested areas with loose talus; east Tennessee.	Upland
Sorex fumeus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORICAL RECORDS, DATE UNKNOWN.	ADJAC. TO POWERLINE CORRIDOR AND UNNAMED TRIB. TO CLINCH RIVER.	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland
Sorex fumeus	Verified extant (viability not assessed)	<Null>	AT LEAST ONE SPECIMEN FROM ORR HISTORIC RECORDS, DATE UNKNOWN.	JONES ISLAND, CLINCH RIVER	<Null>	Damp wooded areas including coniferous or mixed forests; middle and east Tennessee.	Upland

SCIENTIFIC _NAME	ECOLOGICAL_SYSTEMS	REFERENCE_PRIMARY	COUNTIES	USGS_QUADS	WATERSHEDS	CONSERVATION_SITES	MANAGED_AREAS
Cumberlandia monodonta	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Cumberlandia monodonta	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Cyprogenia stegaria	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Io fluvialis	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>
Io fluvialis	<Null>	UNIVERSITY OF MICHIGAN MUSEUM OF ZOOLOGY, ANN ARBOR, MICHIGAN 48104.	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>
Obovaria retusa	<Null>	TVA Natural Heritage Project, 2009. Biotics data exchange with Tennessee Valley Authority Natural Heritage Project. TVA dataset current as of December 2008. TVA, Knoxville.	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Ophisaurus attenuatus longicaudus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Loudon (TN); Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Pituophis melanoleucus melanoleucus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Plethobasus cyphyus	<Null>	TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	DOE OAK RIDGE RESERVATION
Pseudognaphalium helleri	Suitable: Interior Low Plateau--Southern Interior Low Plateau Dry-Mesic Oak Forest (CES202.898); Suitable: Ridge and Valley--Allegheny-Cumberland Dry Oak Forest and Woodland (CES202.359); Suitable: Ridge and Valley--Southern Ridge and Valley Patch Prairie (CES202.453)	CUNNINGHAM, M., L. POUNDS, S. OBERSHOLSTER, P. PARR, L. EDWARDS, B. ROSENSTEEL, AND L. MANN. 1993. RESOURCE MANAGEMENT PLANT FOR THE OAK RIDGE RESERVATION. VOL. 29: RARE PLANTS ON THE OAK RIDGE RESERVATION.	Roane (TN)	35084-H4, Elverton	06010207 - Lower Clinch	ORR ROBERTS BRANCH WETLANDS COMPLEX [RA24]; ORR CAMPBELL BEND BLUFFS AND FOREST [NA1]	CROWDER CEMETERY BARRENS DESIGNATED STATE NATURAL AREA; DOE OAK RIDGE RESERVATION; CAMPBELL BEND BARRENS DESIGNATED STATE NATURAL AREA
Sorex dispar	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Sorex fumeus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN); Loudon (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN CAVE T& E [SITE 20]	DOE OAK RIDGE RESERVATION
Sorex fumeus	<Null>	Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.	Roane (TN)	35084-H3, Bethel Valley	06010207 - Lower Clinch	<Null>	<Null>