

| 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 cyphus              | 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.<br> | 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 Individ. 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   |

[Exempted from Disclosure by Statute]

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

[Exempted from Disclosure by Statute]

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| 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 cyphus              | 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<br>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 cyphus              | 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;<br>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;<br>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;<br>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   |
| 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);<br>Loudon (TN) | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>                                  | DOE OAK RIDGE RESERVATION   |
| Delphinium<br>exaltatum | Roane (TN)                 | 35084-H4, Elverton      | 06010207 - Lower Clinch | <Null>                                  | CROWDER CEMETERY BARRENS DESIGNATED<br>STATE NATURAL AREA; DOE OAK RIDGE<br>RESERVATION |
| Delphinium<br>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-<br>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<br>occidentalis | Roane (TN) | 35084-H4, Elverton      | 06010207 - Lower Clinch | <Null>                                   | CROWDER CEMETERY BARRENS DESIGNATED<br>STATE NATURAL AREA; DOE OAK RIDGE<br>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<br>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 cyphus              | Roane (TN);<br>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 strigillata | Roane (TN)                 | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>  | DOE OAK RIDGE RESERVATION  |
| Sorex dispar                    | Roane (TN);<br>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);<br>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<br>COMPLEX [RA24] | DOE OAK RIDGE RESERVATION |
| Zapus hudsonius    | Roane (TN) | 35084-H4, Elverton      | 06010207 - Lower Clinch | ORR ROBERTS BRANCH WETLANDS<br>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_PROTECTION | ST_PROTECTION |
|-------------------|--------------------------|----------------|-----------------|----------------|------------------|-------------|---------|----------------|---------------|
| 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_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 |
| 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_PROTECTION | ST_PROTECTION |
|-------------------------|----------------------|---------------------|-----------------|----------------|---------------|-------------|---------|----------------|---------------|
| 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_PROTECTION | ST_PROTECTION          |
|-------------------|---------------|---------------------|----------|----------------|---------------|-------------|---------|----------------|------------------------|
| 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_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 | <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             |
|------------------------------------|---------------------------|---------------------|-----------------|----------------|---------------|-------------|---------|----------------|---------------------------|
| Platanthera flava<br>var. herbiola | Tubercled Rein-<br>orchid | Vascular Plant      | Flowering Plant | <Null>         | 1996          | G4?T4Q      | S2      | --             | T                         |
| Pleurobema<br>rubrum               | Pyramid Pigtoe            | Invertebrate Animal | Mollusc         | 1983           | 1983          | G2G3        | S1S2    | --             | Rare, Not State<br>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 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 ETPP 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<br>(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<br>(viability not assessed) | CEDAR BARRENS WITH DRY SHALLOW CHERTY LOAM. | 2011-09-20: OBSERVED BY JACK CARMAN AND MARGARET RHINEHART; NO EO DATA PROVIDED.<br>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<br>(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 FORMERLY 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<br>(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 PLAN 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<br>(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<br>(viability not assessed) | <Null>          | SIGHT RECORD.<br>PLOTTED FROM<br>MAP RECEIVED<br>FROM LINDA MANN<br>ON 18 DECEMBER<br>1979. | <Null>     | PLOTTED FROM<br>MAP RECEIVED<br>FROM LINDA K.<br>MANN ON 18<br>DECEMBER 1979.<br>PART OF FORMER<br>PROPOSED SITE<br>FOR LIQUID METAL<br>FAST BREEDER<br>REACTOR. | Rich Woods | Possible         | Suitable: Gulf Coastal<br>Plain--East Gulf<br>Coastal Plain<br>Limestone Forest<br>(CES203.502);<br>Marginal: Gulf<br>Coastal Plain--East<br>Gulf Coastal Plain<br>Northern Loess Bluff<br>Forest (CES203.481);<br>Marginal: Gulf<br>Coastal Plain--East<br>Gulf Coastal Plain<br>Northern Loess Plain<br>Oak-Hickory Upland<br>(CES203.482);<br>Suitable: Gulf Coastal<br>Plain--East Gulf<br>Coastal Plain<br>Northern Mesic<br>Hardwood Slope<br>Forest (CES203.477);<br>Suitable: Gulf Coastal<br>Plain--South-Central<br>Interior Mesophytic<br>Forest (CES202.887);<br>Suitable: Interior Low | MANN, L.K. OAK<br>RIDGE NATIONAL<br>LABORATORY,<br>ENVIRONMENTAL<br>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<br>(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<br>(viability not assessed) | <Null>          | 1981-05-27<br>(PATRICK, T. S.)<br>VERY SCARCE;<br>THREE SMALL<br>PATCHES IN RICH<br>RAVINE, FIRST<br>TRIBUTARY TO<br>ROBERTS BRANCH<br>ON THE NORTH<br>SIDE OF PINE<br>RIDGE. (BUD). | RICH RAVINE, FIRST<br>TRIBUTARY TO<br>ROBERTS BRANCH ON<br>THE NORTH SIDE OF<br>PINE RIDGE. | LAND FORMALLY<br>PART OF DOE-ORR,<br>TRANSFERRED TO<br>BOEING INC. | Rich Woods | Possible         | Suitable: Gulf Coastal<br>Plain--East Gulf<br>Coastal Plain<br>Limestone Forest<br>(CES203.502);<br>Marginal: Gulf<br>Coastal Plain--East<br>Gulf Coastal Plain<br>Northern Loess Bluff<br>Forest (CES203.481);<br>Marginal: Gulf<br>Coastal Plain--East<br>Gulf Coastal Plain<br>Northern Loess Plain<br>Oak-Hickory Upland<br>(CES203.482);<br>Suitable: Gulf Coastal<br>Plain--East Gulf<br>Coastal Plain<br>Northern Mesic<br>Hardwood Slope<br>Forest (CES203.477);<br>Suitable: Gulf Coastal<br>Plain--South-Central<br>Interior Mesophytic<br>Forest (CES202.887);<br>Suitable: Interior Low | UNIVERSITY OF<br>TENNESSEE,<br>KNOXVILLE,<br>HERBARIUM,<br>UNIVERSITY OF<br>TENNESSEE,<br>DEPARTMENT OF<br>BOTANY, KNOXVILLE,<br>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<br>(viability not assessed) | <Null>          | <Null>  | 35*54.709N<br>84*22.698W. ON<br>GRASSY CREEK HPA.<br>NEW PLAN PARCEL<br>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<br>var. herbiola | Verified extant<br>(viability not<br>assessed) | <Null>          | <Null>  | NORTH OF BEAR<br>CREEK AND BEAR<br>CREEK ROAD, ON<br>LOWER SOUTH-<br>FACING BLUFFS OF<br>PINE RIDGE, CA. 1.5<br>MILES WEST OF<br>HIGHWAY 95.<br>[PLOTTED FROM MAP<br>IN SOURCE,<br>DIRECTIONS FROM<br>TVA NATURAL<br>HERITAGE<br>PROGRAM.] | <Null>       | Swamps And<br>Floodplains   | Possible         | Preferred:<br>Cumberland Plateau<br>and Mountains--<br>South-Central<br>Interior Small Stream<br>and Riparian<br>(CES202.706);<br>Preferred: Ridge and<br>Valley--South-Central<br>Interior Small Stream<br>and Riparian<br>(CES202.706);<br>Preferred: Southern<br>Blue Ridge--South-<br>Central Interior Small<br>Stream and Riparian<br>(CES202.706);<br>Marginal: Southern<br>Blue Ridge--Southern<br>Appalachian Seepage<br>Wetland<br>(CES202.317) | POUNDS, LARRY. FIELD<br>MAP OF PLANT<br>COLLECTIONS ON THE<br>OAK RIDGE<br>RESERVATION.  |
| Pleurobema<br>rubrum               | Verified extant<br>(viability not<br>assessed) | <Null>          | AHLSTEDT (1984)<br>REPORTED ONE<br>SPECIMEN FROM<br>THIS LOCALITY AS<br>RESULT OF FLOAT<br>SURVEY WITH 4-5<br>DIVERS. AVERAGE<br>SEARCH TIME PER<br>DIVER 60-90<br>MINUTES. | CLINCH RIVER MILE<br>14, GALLAHER<br>BRIDGE.   | <Null>       | Rivers with strong<br>current and firm<br>sand/gravel<br>substrates; TN &<br>Cumb river systems<br>incl KY Reservoir; W<br>Uplands & W<br>Highland Rim. | Aquatic          | <Null>   | Ahlstedt, S.A. 1984.<br>Twentieth century<br>changes in the<br>freshwater mussel<br>fauna of the Clinch<br>River (Tennessee and<br>Virginia). M.S. Thesis,<br>The University of<br>Tennessee, Knoxville,<br>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<br>(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<br>(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<br>monodonta | Roane (TN) | 35084-H4, Elverton | 06010207 - Lower Clinch | <Null>             | DOE OAK RIDGE RESERVATION  |
| Cumberlandia<br>monodonta | Roane (TN) | 35084-H4, Elverton | 06010207 - Lower Clinch | <Null>             | DOE OAK RIDGE RESERVATION  |
| Delphinium<br>exaltatum   | Roane (TN) | 35084-H4, Elverton | 06010207 - Lower Clinch | <Null>             | CROWDER CEMETERY BARRENS<br>DESIGNATED STATE NATURAL<br>AREA; DOE OAK RIDGE<br>RESERVATION |

| SCIENTIFIC_NAME         | COUNTIES   | USGS_QUADS         | WATERSHEDS              | CONSERVATION_SITES | MANAGED_AREAS             |
|-------------------------|------------|--------------------|-------------------------|--------------------|---------------------------|
| Delphinium<br>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<br>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<br>DESIGNATED STATE NATURAL<br>AREA; DOE OAK RIDGE<br>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<br>var. herbiola | Roane (TN) | 35084-H3, Bethel<br>Valley | 06010207 - Lower Clinch | <Null>             | DOE OAK RIDGE RESERVATION |
| Pleurobema<br>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<br>Animal | Mollusc         | 1919-PRE       | 1919-PRE      | G1          | S1      | LE, XN         | E             |
| Fusconaia cuneolus         | Finerayed Pigtoe        | Invertebrate<br>Animal | Mollusc         | 1919-PRE       | 1919-PRE      | G1          | S1      | LE, XN         | E             |
| Helianthus<br>occidentalis | Naked-stem<br>Sunflower | Vascular Plant         | Flowering Plant | 8/21/1981      | 9/20/2011     | G5          | S2      | --             | S             |
| Helianthus<br>occidentalis | Naked-stem<br>Sunflower | Vascular Plant         | Flowering Plant | 8/4/1981       | 8/4/1981      | G5          | S2      | --             | S             |
| Hemitremia<br>flammea      | Flame Chub              | Vertebrate<br>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 | <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<br>var. herbiola | Tubercled Rein-<br>orchid | Vascular Plant         | Flowering Plant | 5/15/1979      | 1993-00-00    | G4?T4Q      | S2      | --             | T                      |
| Platanthera flava<br>var. herbiola | Tubercled Rein-<br>orchid | Vascular Plant         | Flowering Plant | 4/29/1996      | 4/29/1996     | G4?T4Q      | S2      | --             | T                      |
| Platanthera flava<br>var. herbiola | Tubercled Rein-<br>orchid | Vascular Plant         | Flowering Plant | <Null>         | 1996          | G4?T4Q      | S2      | --             | T                      |
| Plethobasus<br>cyphus              | Sheepnose                 | Invertebrate<br>Animal | Mollusc         | 6/1/1994       | 6/3/1994      | G3          | S2S3    | LE             | Rare, Not State Listed |
| Pleurobema rubrum                  | Pyramid Pigtoe            | Invertebrate<br>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.<br> | 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 ETPP 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.<br>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.)<br>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<br>var. herbiola | Fair or poor estimated viability            | UNDER HARDWOODS IN<br>STANDING WATER; FORESTED<br>WETLAND; BOTTOMLAND<br>HARDWOODS DISSECTED BY<br>SPRINGFED STREAMS. | FLW; SIGHT RECORD OF LINDA<br>MANN. INCORPORATED DATA<br>FROM PMORC1Y081.012<br>[ACTUALLY VAR HERBIOLA]   | ON SR 95, IN WET FOREST<br>ADJOINING AN OPEN AREA<br>WITH SEEPS IN FLOODPLAIN<br>NEAR BEAR CREEK. NERP SITE AT<br>NW BASE OF PINE RIDGE. "THIS<br>SITE COMBINED WITH BEAR<br>CREEK WETLAND IS A TENN.<br>NATURAL AREA". | FOUND IN A SERIES OF THREE<br>WETLANDS IN BEAR CREEK<br>VALLEY. 94-10-26:LONG<br>CORRECTED TO 0842128 FROM<br>0841128. 94-12-14: LAT LONG<br>CORRECTED, MOVED A LITTLE<br>TO EAST WITH INSTRUCTIONS<br>FROM MANN & POUNDS; OLD<br>LAT LONG 355633N 0842128W.<br>INCORPORATED DATA FROM<br>PMORC1Y081.012 AND THIS<br>LATTER RECORD DELETED 95-01-<br>05 BY MILO PYNE. | Swamps And Floodplains   |
| Platanthera flava<br>var. herbiola | Verified extant (viability not<br>assessed) | <Null>  | OBSERVED APRIL 29, 1996   | IN HIGHWAY 95 RIGHT-OF-WAY<br>AT INTERSECTION OF HIGHWAY<br>58 AND HIGHWAY 95. [PLOTTED<br>FROM MAP IN SOURCE,<br>DIRECTIONS FROM TVA<br>NATURAL HERITAGE PROGRAM.]   | <Null>  | Swamps And Floodplains   |
| Platanthera flava<br>var. herbiola | Verified extant (viability not<br>assessed) | <Null>  | <Null>  | NORTH OF BEAR CREEK AND<br>BEAR CREEK ROAD, ON LOWER<br>SOUTH-FACING BLUFFS OF PINE<br>RIDGE, CA. 1.5 MILES WEST OF<br>HIGHWAY 95. [PLOTTED FROM<br>MAP IN SOURCE, DIRECTIONS<br>FROM TVA NATURAL HERITAGE<br>PROGRAM.] | <Null>  | Swamps And Floodplains   |
| Plethobasus<br>cyphus              | Verified extant (viability not<br>assessed) | SUBSTRATE WAS SHELF ROCK<br>WITH GRAVEL FILLED CRACKS   | TWRA AND TDEC (1994)<br>REPORTED 1 LIVE INDIVIDUAL<br>AT THIS LOCALITY  | CLINCH RIVER MILE 21.4<br>DOWNSTREAM HWY. 95<br>BRIDGE.   | <Null>  | Large to medium-sized rivers, in<br>riffles and coarse sand/gravel<br>subst; TN & Cumb river systems<br>incl KY Reservoir; W Uplands &<br>Rim. |
| Pleurobema rubrum                  | Verified extant (viability not<br>assessed) | <Null>  | AHLSTEDT (1984) REPORTED<br>ONE SPECIMEN FROM THIS<br>LOCALITY AS RESULT OF FLOAT<br>SURVEY WITH 4-5 DIVERS.<br>AVERAGE SEARCH TIME PER<br>DIVER 60-90 MINUTES. | CLINCH RIVER MILE 14,<br>GALLAHER BRIDGE.   | <Null>  | Rivers with strong current and<br>firm sand/gravel substrates; TN<br>& Cumb river systems incl KY<br>Reservoir; W Uplands & W<br>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<br>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<br>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<br>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<br>cyphus              | 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 |        |

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

| 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 |        |

| 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 |        |

| 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 |        |



| 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<br>var. herbiola | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | ORR REIN-ORCHID SWAMP<br>[NA4] | DOE OAK RIDGE RESERVATION | Exempted from Disclosure by<br>Statute |        |
| Platanthera flava<br>var. herbiola | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | ORR BEAR CREEK [ANA2]          | DOE OAK RIDGE RESERVATION | Exempted from Disclosure by<br>Statute |        |
| Platanthera flava<br>var. herbiola | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>                         | DOE OAK RIDGE RESERVATION | Exempted from Disclosure by<br>Statute |        |
| Plethobasus<br>cyphus              | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>                         | DOE OAK RIDGE RESERVATION | Exempted from Disclosure by<br>Statute |        |
| Pleurobema rubrum                  | 35084-H4, Elverton      | 06010207 - Lower Clinch | <Null>                         | <Null>                    | Exempted from Disclosure by Statute    |        |

| 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 |        |

| 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<br>Animal | Mollusc         | 34488          | 34488         | G1          | S1      | LE,XN          |
| Ophisaurus<br>attenuatus<br>longicaudus | Eastern Slender<br>Glass Lizard | Vertebrate<br>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<br>quinquefolius | American Ginseng | Vascular Plant | Flowering Plant | <Null>         | 1996          | G3G4        | S3S4    | --             |
| Panax<br>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<br>quinquefolius | American Ginseng | Vascular Plant | Flowering Plant | <Null>         | 1996          | G3G4        | S3S4    | --             |
| Panax<br>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<br>quinquefolius | American Ginseng | Vascular Plant | Flowering Plant | <Null>         | 1996          | G3G4        | S3S4    | --             |
| Panax<br>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<br>quinquefolius                    | American Ginseng         | Vascular Plant         | Flowering Plant | 35177          | 35177         | G3G4        | S3S4    | --             |
| Pituophis<br>melanoleucus<br>melanoleucus | Northern<br>Pinesnake    | Vertebrate<br>Animal   | Reptile         | 1995-PRE       | 1995-PRE      | G4T4        | S3      | --             |
| Plethobasus<br>cooperianus                | Orangefoot<br>Pimpleback | Invertebrate<br>Animal | Mollusc         | 22020          | 22020         | G1          | S1      | LE, XN         |
| Plethobasus<br>cyphys                     | Sheepnose                | Invertebrate<br>Animal | Mollusc         | 34486          | 34488         | G3          | S2S3    | LE             |
| Quadrula cylindrica<br>strigillata        | Rough Rabbitsfoot        | Invertebrate<br>Animal | Mollusc         | 22024          | 22024         | G3G4T2      | S2      | LE             |
| Sorex cinereus                            | Cinereus Shrew           | Vertebrate<br>Animal   | Mammal          | 1995-PRE       | 1995-PRE      | G5          | S4      | --             |
| Sorex cinereus                            | Cinereus Shrew           | Vertebrate<br>Animal   | Mammal          | 1995-PRE       | 1995-PRE      | G5          | S4      | --             |
| Sorex dispar                              | Long-tailed Shrew        | Vertebrate<br>Animal   | Mammal          | 1995-PRE       | 1995-PRE      | G4          | S2      | --             |
| Sorex dispar                              | Long-tailed Shrew        | Vertebrate<br>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<br>Animal | Mammal   | 1995-PRE       | 1995-PRE      | G5          | S4      | --             |
| Sorex fumeus          | Smoky Shrew             | Vertebrate<br>Animal | Mammal   | 1995-PRE       | 1995-PRE      | G5          | S4      | --             |
| Sorex fumeus          | Smoky Shrew             | Vertebrate<br>Animal | Mammal   | 1995-PRE       | 1995-PRE      | G5          | S4      | --             |
| Sorex longirostris    | Southeastern<br>Shrew   | Vertebrate<br>Animal | Mammal   | 21384          | 21384         | G5          | S4      | --             |
| Sorex longirostris    | Southeastern<br>Shrew   | Vertebrate<br>Animal | Mammal   | 21384          | 21384         | G5          | S4      | --             |
| Sorex longirostris    | Southeastern<br>Shrew   | Vertebrate<br>Animal | Mammal   | 34829          | 34829         | G5          | S4      | --             |
| Synaptomys<br>cooperi | Southern Bog<br>Lemming | Vertebrate<br>Animal | Mammal   | 1995-PRE       | 1995-PRE      | G5          | S4      | --             |
| Synaptomys<br>cooperi | Southern Bog<br>Lemming | Vertebrate<br>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, LOCATED 45 FT ABOVE GROUND IN SCRUB PINE WITHIN PINE GROVE. SOURCE 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 Individ. 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 INDIVIDUALS 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 HP RR.   | DATA INCOMPLETE.   | ORR, S-FACING SLOPES AND BLUFFS S OF HEALTH PHYSICS RESEARCH REACTOR; ACCESS FROM LAKE VIA BOAT OR ON FOOT FROM HP RR.                 |
| Aureolaria patula    | S                      | Fair or poor estimated viability         | ROCKY RIVER SLOPE JUST UPSTREAM 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<br>quinquefolius | S-CE          | Verified extant (viability not assessed) | <Null>          | <Null>  | COPPER RIDGE, NORTHWEST FACING BLUFFS OF<br>MELTON HILL, JUST SOUTH OF MELTON BRANCH.<br>[PLOTTED FROM MAP IN SOURCE, DIRECTIONS FROM<br>TVA NATURAL HERITAGE PROGRAM.]                                     |
| Panax<br>quinquefolius | S-CE          | Verified extant (viability not assessed) | <Null>          | <Null>  | COPPER RIDGE, NORTHWEST FACING BLUFFS OF<br>MELTON HILL, JUST SOUTH OF MELTON BRANCH.<br>SCATTERED IN 0.1 MI SQUARE AREA. [PLOTTED FROM<br>MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL<br>HERITAGE PROGRAM.] |

| SCIENTIFIC_NAME        | ST_PROTECTION | EO_RANK                                  | GEN_DESCRIPTION                              | EO_DATA                                | DIRECTIONS   |
|------------------------|---------------|--|--|--|--|
| Panax<br>quinquefolius | S-CE          | Verified extant (viability not assessed) | <Null>                                       | <Null>                                 | ON WEST FACING BLUFFS ABOVE MELTON BRANCH<br>TRIBUTARY OF WHITEOAK LAKE. [PLOTTED FROM<br>MAP IN SOURCE, DIRECTIONS FROM TVA NATURAL<br>HERITAGE PROGRAM.] |
| Panax<br>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-<br>28), THE SOUTH SIDE OF THE RIVER ON THE EAST SIDE<br>OF THE BEND.  |

| SCIENTIFIC_NAME        | ST_PROTECTION | EO_RANK                                  | GEN_DESCRIPTION | EO_DATA | DIRECTIONS  |
|------------------------|---------------|--|-----------------|---------|---|
| Panax<br>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<br>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<br>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<br>melanoleucus<br>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<br>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<br>cyphus                     | 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<br>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<br>quinquefolius | <Null>  | Rich Woods | Possible         |
| Panax<br>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<br>quinquefolius                    | <Null>   | Rich Woods   | Possible         |
| Pituophis<br>melanoleucus<br>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<br>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<br>cyphus                     | <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<br>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);<br>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<br>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<br>melanoleucus<br>melanoleucus | <Null>   | Gabrielsen, Cynthia. Formerly with ORNL Environmental Science Division, Oak Ridge Reservation, Oak Ridge, TN.   | Roane (TN);<br>Loudon (TN) |
| Plethobasus<br>cooperianus                | <Null>   | MITCHELL, JASON. 1995. LIST OF THREATENED AND ENDANGERED SPECIES FOUND ON THE OAK RIDGE RESERVATION.  | Roane (TN)                 |
| Plethobasus<br>cyphus                     | <Null>   | TENNESSEE WILDLIFE RESOURCES AGENCY AND TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION. 1994. MUSSEL SURVEY CLINCH RIVER MELTON HILL TAILWATERS | Roane (TN);<br>Loudon (TN) |
| Quadrula cylindrica<br>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);<br>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);<br>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);<br>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;<br>35084-H3, Bethel Valley | 06010207 - Lower Clinch | CLINCH STATE SCENIC RIVER                                    | HOPE CREEK COLONY BLUFFS<br>TVA HABITAT PROTECTION AREA;<br>HICKORY CREEK BLUFFS TVA<br>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   |                                     |        |

| 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 |                                     |        |



| SCIENTIFIC_NAME        | USGS_QUADS              | WATERSHEDS              | CONSERVATION_SITES | MANAGED_AREAS             | LAT_DD                                 | LON_DD |
|------------------------|-------------------------|-------------------------|--------------------|---------------------------|--|--------|
| Panax<br>quinquefolius | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>             | DOE OAK RIDGE RESERVATION | Exempted from<br>Disclosure by Statute |        |
| Panax<br>quinquefolius | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>             | DOE OAK RIDGE RESERVATION | Exempted from<br>Disclosure by Statute |        |

| SCIENTIFIC_NAME        | USGS_QUADS              | WATERSHEDS              | CONSERVATION_SITES        | MANAGED_AREAS                                       | LAT_DD                                 | LON_DD |
|------------------------|-------------------------|-------------------------|---------------------------|---|--|--------|
| Panax<br>quinquefolius | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>                    | DOE OAK RIDGE RESERVATION                           | Exempted from<br>Disclosure by Statute |        |
| Panax<br>quinquefolius | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | CLINCH STATE SCENIC RIVER | HICKORY CREEK BLUFFS TVA<br>HABITAT PROTECTION AREA | Exempted from<br>Disclosure by Statute |        |

| SCIENTIFIC_NAME        | USGS_QUADS              | WATERSHEDS              | CONSERVATION_SITES                      | MANAGED_AREAS             | LAT_DD                                 | LON_DD |
|------------------------|-------------------------|-------------------------|---|---------------------------|--|--------|
| Panax<br>quinquefolius | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>                                  | DOE OAK RIDGE RESERVATION | Exempted from<br>Disclosure by Statute |        |
| Panax<br>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<br>quinquefolius                    | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>   | DOE OAK RIDGE RESERVATION | Exempted from<br>Disclosure by Statute |        |
| Pituophis<br>melanoleucus<br>melanoleucus | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | ORR SWEETFLAG MARSH [RA19]; ORR FLASHLIGHT HEAVEN<br>CAVE T& E [SITE 20] | DOE OAK RIDGE RESERVATION |  |        |
| Plethobasus<br>cooperianus                | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>   | DOE OAK RIDGE RESERVATION |  |        |
| Plethobasus<br>cyphys                     | 35084-H3, Bethel Valley | 06010207 - Lower Clinch | <Null>   | DOE OAK RIDGE RESERVATION |  |        |
| Quadrula cylindrica<br>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<br>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<br>Animal   | Mammal                | 1999-PRE       | 1999-PRE      | G2          | S1      | LE             | E                      |
| Nesticus paynei             | A Cave Spider    | Invertebrate<br>Animal | Arachnid              | 1985-PRE       | 1985-PRE      | G3G4        | S3      | --             | Rare, Not State Listed |
| Notropis buccatus           | Silverjaw Minnow | Vertebrate<br>Animal   | Fish                  | 1974           | 11/21/1974    | G5          | S1      | --             | T                      |
| Palamocladium<br>leskeoides | A Moss           | Nonvascular<br>Plant   | Non-Vascular<br>Plant | 3/31/1935      | 3/31/1935     | G3G5        | S1      | --             | T                      |
| Sorex fumeus                | Smoky Shrew      | Vertebrate<br>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. REPORT, 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. REPORT, 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);<br>Campbell (TN) | 36084-B1, Norris       | 06010205 - Upper Clinch     | <Null>             | <Null>  |
| Chrosomus<br>cumberlandensis | Campbell (TN)                   | 36084-D1, La Follette  | 05130101 - Upper Cumberland | <Null>             | <Null>  |
| Cycleptus elongatus          | Anderson (TN);<br>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<br>WILD AREA |
| Dromus dromas                | Anderson (TN);<br>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);<br>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<br>OBSERVATION AREA              |
| Myotis grisescens  | Campbell (TN)                    | 36084-B1, Norris | 06010205 - Upper Clinch; 06010207 - Lower Clinch | NORRIS DAM CAVE    | NORRIS DAM CAVE TVA HABITAT PROTECTION<br>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);<br>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);<br>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>  |
| Neobekia 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<br>(species 1) | Invertebrate Animal | Insect          | 2002-SUMM      | 2002-SUMM     | G1          | S1      | --             |
| Arrhopalites sp. 4                | A Cave Springtail<br>(species 1) | Invertebrate Animal | Insect          | 2002-SUMM      | 2002-SUMM     | G1          | S1      | --             |
| Carex lonchocarpa                 | Southern Long<br>Sedge           | Vascular Plant      | Flowering Plant | 8/13/2012      | 8/13/2012     | G5          | S2      | --             |
| Etheostoma akatulo                | Bluemask (Jewel)<br>Darter       | Vertebrate Animal   | Fish            | 1972-06        | 1972-06       | G1          | S1      | LE             |
| Helicodiscus<br>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<br>fuliginosa | Geniculate River<br>Snail        | Invertebrate Animal | Mollusc         | 1973           | 1973          | G3T3Q       | S2      | --             |
| Litocampa sp. 5                   | A Cave Dipluran<br>From TN       | Invertebrate Animal | Insect          | 2002-SUMM      | 2002-SUMM     | G2          | S1      | --             |
| Litocampa sp. 5                   | A Cave Dipluran<br>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<br>leskeoides      | A Moss                        | Nonvascular Plant   | Non-Vascular Plant | 3/17/1979      | 3/17/1979     | G3G5        | S1      | --             |
| Phyllanthopsis<br>phyllanthoides | Maidenbush                    | Vascular Plant      | Flowering Plant    | 11/5/2011      | 6/20/2013     | G4          | S1      | --             |
| Pseudosinella<br>christianseni   | A Cave Obligate<br>Springtail | Invertebrate Animal | Insect             | 2002-SUMM      | 2002-SUMM     | G5          | S2      | --             |
| Pseudosinella spinosa            | A Cave Obligate<br>Springtail | Invertebrate Animal | Insect             | 2002-SUMM      | 2002-SUMM     | G5          | S2      | --             |
| Pseudosinella spinosa            | A Cave Obligate<br>Springtail | Invertebrate Animal | Insect             | 2002-SUMM      | 2002-SUMM     | G5          | S2      | --             |
| Scoterpes ventus                 | A Cave Obligate<br>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>                     | BLEDSON 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_PROTECTIO<br>N | 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 Individ. Observed(1 location) 1971-05-04: 1 Individ. Observed(1 location) 1967-05-20: 1 Individ. Observed(1 location) 1967-05-10: 3 Individ. 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 ORIGINALLY 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) |
| Symphotrichum 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         |
| Symphotrichum pratense | <Null>  | OPEN OAK BARRENS  | WALDEN'S RIDGE ABOVE ROCKWOOD  | <Null>  | Barrens  | Upland           |

| SCIENTIFIC_NAME          | ECOLOGICAL_SYSTEMS   | REFERENCE_PRIMARY  | COUNTIES                    | USGS_QUALS        | 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 |
| Symphytotrichum 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_PROTECTIO<br>N |
|----------------------|-------------------------|-------------------|-----------------|----------------|---------------|-------------|---------|--------------------|
| 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<br>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;<br>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_PROTECTION | ST_PROTECTION |
|----------------------|----------------------|-------------------|-----------------|----------------|---------------|-------------|---------|----------------|---------------|
| 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 PLAN 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 Individ. Observed(1 location) 2001-04-19: 2 Individ. 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_PROTECTIO<br>N |
|----------------------------|---------------------------------|----------------|-------------------|----------------|---------------|-------------|---------|--------------------|
| Marshallia grandiflora     | Large-fl. Barbara's-<br>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<br>pratense | Barrens Silky Aster             | Vascular Plant | Flowering Plant   | <Null>         | 9/29/1949     | G4?         | S1      | --                 |
| Thuja occidentalis         | Northern White<br>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<br>(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_<br>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) |
| Symphytotrichum 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 |  |
| Symphytotrichum pratense | UNIVERSITY OF TENNESSEE, KNOXVILLE, HERBARIUM, UNIVERSITY OF TENNESSEE, DEPARTMENT OF BOTANY, KNOXVILLE, TN 37916. TENN.                   | Cumberland (TN);<br>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<br>Animal | Bird      | 5/20/2009      | 6/9/2009      | G4          | S3B     | --             | D             | Verified extant (viability not assessed) |
| Desmognathus welteri | Black Mountain Salamander | Vertebrate<br>Animal | Amphibian | 10/2/1976      | 10/2/1976     | G4          | S3      | --             | D             | Verified extant (viability not assessed) |
| Etheostoma baileyi   | Emerald Darter            | Vertebrate<br>Animal | Fish      | 1977           | 1977          | G4G5        | S2      | --             | D             | Historical                               |
| Etheostoma baileyi   | Emerald Darter            | Vertebrate<br>Animal | Fish      | 1969           | 1981          | G4G5        | S2      | --             | D             | Verified extant (viability not assessed) |
| Etheostoma cinereum  | Ashy Darter               | Vertebrate<br>Animal | Fish      | 5/30/1996      | 5/30/1996     | G2G3        | S2S3    | --             | T             | Verified extant (viability not assessed) |
| Myotis grisescens    | Gray Myotis               | Vertebrate<br>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_PROTECTIO<br>N | ST_PROTECTIO<br>N | EO_RANK                                     |
|-----------------------------|--------------|----------------------|----------|----------------|---------------|-------------|---------|--------------------|-------------------|---|
| Haliaeetus<br>leucocephalus | Bald Eagle   | Vertebrate<br>Animal | Bird     | 3/7/2003       | 3/7/2003      | G5          | S3      | --                 | D                 | Verified extant (viability<br>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_SYSTE<br>MS | REFERENCE_PRIMARY  | COUNTIES   | USGS_QUADS              | WATERSHEDS                       | CONSERVATION_ SITES | MANAGED_AREAS |
|-----------------------------|------------------------|--|------------|-------------------------|----------------------------------|---------------------|---------------|
| Haliaeetus<br>leucocephalus | <Null>                 | HENRY, TRAVIS HILL. TVA NATURAL<br>HERITAGE PROJECT TERRESTRIAL<br>ZOOLOGIST. FIELD NOTES AND FIELD<br>SURVEY FORMS. | Cocke (TN) | 35083-H3, Chestnut Hill | 06010107 - Lower<br>French Broad | <Null>              | <Null>        |

| SCIENTIFIC_NAME                     | COMMON_NAME                  | TYPE              | CATEGORY | FIRST_OBS_DATE | LAST_OBS_DATE | GLOBAL_RANK | ST_RANK | FED_PROTECTION | 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 cyphus                  | 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  |  | 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 cyphus                  | 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 cyphus                  | <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>   |