

Oak Ridge Reservation Rare Vascular Plants **[updated September 2004]**

Table 1 lists the vascular plant species currently known to occur on the ORR that are listed by state or federal agencies as rare. Two of these species, Michigan lily and hairy sharp-scaled sedge, that were identified in the past on the ORR have not been found in recent years.

Two species occurring on the ORR, Carey saxifrage (*Saxifraga careyana*) and purple fringeless orchid (*Platanthera permoena*), were removed from the state list as of November 17, 1999.

Four species (spreading false-foxglove, Appalachian bugbane, tall larkspur, and butternut) were formerly under review for listing at the federal level and were designated under the previously used “C2” candidate designation. These former C2 species are now informally referred to as “special concern” species by the U.S. Fish and Wildlife Service.

Several state-listed plant species currently found on adjacent lands may be present on the ORR as well, although they have not yet been reported. (See Table 2.)

Table 1. Oak Ridge Reservation vascular plant species listed by state or federal agencies (2004)

Species	Common name	Habitat on ORR	Status Code ^a
<i>Aureolaria patula</i>	Spreading false-foxglove	River bluff	(C2), T
<i>Carex gravida</i>	Heavy sedge	Varied	S
<i>Carex oxylepis</i> var. <i>pubescens</i> ^b	Hairy sharp-scaled sedge	Shaded wetlands	S
<i>Cimicifuga rubifolia</i>	Appalachian bugbane	River slope	(C2), T
<i>Cypripedium acaule</i>	Pink lady's-slipper	Dry to rich woods	E-CE
<i>Delphinium exaltatum</i>	Tall larkspur	Barrens and woods	(C2), E
<i>Diervilla lonicera</i>	Northern bush-honeysuckle	River bluff	T
<i>Draba ramosissima</i>	Branching whitlow-grass	Limestone cliff	S
<i>Elodea nuttallii</i>	Nuttall's waterweed	Pond, embayment	S
<i>Fothergilla major</i>	Mountain witch-alder	Woods	T
<i>Hydrastis canadensis</i>	Goldenseal	Rich woods	S-CE
<i>Juglans cinerea</i>	Butternut	Slope near stream	(C2), T
<i>Juncus brachycephalus</i>	Small-headed rush	Open wetland	S
<i>Lilium canadense</i>	Canada lily	Moist woods	T
<i>Lilium michiganense</i> ^c	Michigan lily	Moist woods	T
<i>Liparis loeselii</i>	Fen orchid	Forested wetland	E
<i>Panax quinquefolius</i>	American ginseng	Rich woods	S-CE
<i>Platanthera flava</i> var. <i>herbiola</i>	Tuberclad rein-orchid	Forested wetland	T
<i>Populus grandidentata</i>	Large-tooth aspen	Dry woodlands	S
<i>Ruellia purshiana</i>	Pursh's wild-petunia	Dry, open woods	S
<i>Scirpus fluviatilis</i>	River bulrush	Wetland	S
<i>Spiranthes lucida</i>	Shining ladies'-tresses	Boggy wetland	T
<i>Thuja occidentalis</i>	Northern white cedar	River bluffs	S
<i>Viola tripartita</i> var. <i>tripartita</i>	Three-parted violet	Rocky woods	S

^a Status codes:

- (C2) Special Concern; was listed under the formerly used federal C2 candidate designation. More information needed to determine status.
- E Endangered in Tennessee.
- T Threatened in Tennessee
- S Special Concern in Tennessee
- CE Status due to commercial exploitation

^b *Carex oxylepis* var. *pubescens* has not been re-located during recent surveys.

^c *Lilium michiganense* is believed to have been extirpated from the ORR by the impoundment at Melton Hill.

Table 2. Additional rare plants that occur near, and thus may be present on, the ORR (2004)

Species	Common name	Habitat on ORR	Status code ^a
<i>Agalinis auriculata</i>	Earleaved false-foxglove	Calcareous barren	(C2), E
<i>Allium burdickii</i> ^b	Ramps	Moist woods	T-CE
<i>Allium tricoccum</i> ^b	Ramps	Moist woods	S-CE
<i>Berberis canadensis</i>	American barberry	Rocky bluff, creek bank	S
<i>Gnaphalium helleri</i>	Heller's catfoot	Dry woodland edge	S
<i>Lathyrus palustris</i>	Marsh pea	Moist meadows	S
<i>Liatris cylindracea</i>	Slender blazing-star	Calcareous barren	T
<i>Lonicera dioica</i>	Mountain honeysuckle	Rocky river bluff	S
<i>Meehanian cordata</i>	Heartleaf meehania	Moist calcareous woods	T
<i>Pedicularis lanceolata</i>	Swamp lousewort	Calcareous wet meadow	T
<i>Pycnanthemum torrei</i>	Torrey's mountain-mint	Calcareous barren edge	S
<i>Solidago ptarmicoides</i>	Prairie goldenrod	Calcareous barren	E

^a Status codes:

- (C2) Special Concern; was listed under the formerly used federal C2 candidate designation. More information needed to determine status.
- E Endangered in Tennessee
- T Threatened in Tennessee
- S Special Concern in Tennessee
- CE Status due to commercial exploitation

^b Ramps have been reported near the ORR but there is not sufficient information to determine which of the two species is present or if the species may have been introduced by planting.