

Heritage Rank Status Factors

Elcode PMORC1Y0K0
Gname PLATANThERA ORBICULATA
Gcomname Large roundleaf orchid

Number of Occurrences

E = >300

Comments This taxon is widespread, and not tracked throughout its range. It presumably has well over 300 occurrences rangewide

Number of Occurrences with Good Viability

U = Unknown what number of occurrences with good viability

Comments This taxon is not tracked throughout its range.

Population Size

U = Unknown

Comments This taxon is not tracked throughout its range.

Range Extent

H = > 2,500,000 km² (greater than 1,000,000 square miles)

Comments The taxon occurs throughout Canada, south along the Appalachians to South Carolina and Tennessee in the east and south to Washington (and formerly to Oregon) and to Wyoming in the west.

Area of Occupancy

U = Unknown

LU = Unknown

Comments The occupancy is probably relatively small, given that the taxon tends to occur in small populations and is rare throughout much of its range.

Long-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Long-term trend in population, range, area occupied, or number or condition of occurrences unknown

Comments Unknown

Short-term Trend in Population Size, Extent of Occurrence, Area of Occupancy, and/or Number or Condition of Occurrences

U = Unknown. Short-term trend in population, range, area occupied, and number and condition of occurrences unknown.

Comments Unknown

Threats

U = Unknown. The available information is not sufficient to assign degree of threat as above. (Severity, scope, and immediacy are all unknown, or mostly [two of three] unknown or not assessed [null].)

Scope Unknown Severity Unknown Immediacy Unknown

Comments In the southern Appalachians, at the southeastern limit of its range, considered to be somewhat threatened by land-use conversion, habitat fragmentation, and to a lesser extent by forest-management practices (Southern Appalachian Species Viability Project, 2002), but pattern of threats not known for primary (Canadian) portion of range, where the species is generally not considered of conservation concern.

Number of Appropriately Protected and Managed Occurrences

U = Unknown whether any occurrences are appropriately protected and managed

Comments Unknown

Intrinsic Vulnerability

A = Highly Vulnerable. Species is slow to mature, reproduces infrequently, and/or has low fecundity such that populations are very slow (> 20 years or 5 generations) to recover from decreases in abundance; or species has low dispersal capability such that extirpated populations are unlikely to become reestablished through natural recolonization (unaided by humans). Ecological community occurrences are highly susceptible to changes in composition and structure that rarely if ever are reversed through natural processes even over substantial time periods (> 100 years).

Comments Small populations, requires mycorrhizal fungal associate, can have long dormancy and is pollinator dependent.

Environmental Specificity

C = Moderate. Generalist or community with some key requirements scarce.

Comments Generally requires forested or wetland habitats

Other Considerations

NRANK - N4. Ranked as an S4 in two states and provinces (Virginia, New Brunswick) and an S4S5 in Ontario. It was considered "common" in northern portions of Ontario, according to a web search.

Edition 11/26/2002 **Edauthor** Florence Caplow, Washington Natural heritage Program

Grank G5T4 **Grank Date** 11/26/2002

Reasons

Wide range in North America, especially Canada, common in several states and provinces, ranked as an S4S5 in Ontario. It is, however, rare throughout a large portion of its range, particularly near its southern limits. The full species (*Platanthera orbiculata*), considered collectively, is considered widespread, abundant, and secure.

BCD Sources

New Sources

Washington Natural Heritage dataset. 2002. Washington Department of Natural Resources. Olympia, WA.