

**ATTACHMENT D**





# Memorandum

To: City of Portland – Interested parties  
From: TEES Team  
Date: Monday August 17<sup>th</sup>, 2009  
Subject: City of Portland, **Special Status Species - Plants**

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A list of “Special Status” plant species has been compiled by City of Portland TEES staff. The list (much like the Special Status Wildlife Species List) is compiled as an informational document. “Special Status” plant species are those listed by state and/or federal agencies as rare, threatened or endangered.

The method for choosing the Special Status Species Plants is as follows:

The list is based on the 2007 version of the Oregon Natural Heritage Information Center List of Rare, Threatened and Endangered Species of Oregon. The list includes species expected to be present in the Willamette Valley eco-region of Multnomah County that have an ORNHIC Heritage Rank of 1, 2, 3 and 4.

ORNHIC RANK 1 = Critically imperiled because of extreme rarity or because it is somehow especially vulnerable to extinction or extirpation, typically with 5 or fewer occurrences. ORNHIC regards extreme rarity as a significant threat and has included species which are very rare in Oregon on this list.

ORNHIC RANK 2 = Imperiled because of rarity or because other factors demonstrably make it very vulnerable to extinction (extirpation), typically with 6-20 occurrences.

ORNHIC RANK 3 = Rare, uncommon or threatened, but not immediately imperiled, typically with 21-100 occurrences.

ORNHIC RANK 4 = Not rare and apparently secure, but with cause for long-term concern, usually with more than 100 occurrences.

The Special Status Species list also includes information about the grouping of species into Ranked lists as follows:

**List 1** contains taxa that are threatened with extinction or presumed to be extinct throughout their entire range.

**List 2** contains taxa that are threatened with extirpation or presumed to be extirpated from the state of Oregon. These are often peripheral or disjunct species which are of concern when considering species diversity within Oregon's borders. They can be very significant when protecting the genetic diversity of a taxon.

**List 3** contains taxa for which more information is needed before status can be determined, but which may be threatened or endangered in Oregon or throughout their range.

**List 4** contains taxa which are of conservation concern but are not currently threatened or endangered. This includes taxa which are very rare but are currently secure, as well as

taxa which are declining in numbers or habitat but are still too common to be proposed as threatened or endangered. While these taxa may not currently need the same active management attention as threatened or endangered taxa, they do require continued monitoring.

**List 5** – The TEES Special Status Species list does not include those ranked 5, demonstrably widespread and secure.

Refinements for the TEES Special Status Species Plants that were selected from the ORNHIC lists included the following steps:

1. ORNHIC Plant Lists 1-4 were queried for their occurrence in Multnomah County
2. To verify the presence of those plants in the Willamette Valley and Columbia River eco-regions the queried results were compared to:
  - a. Urbanizing Flora of Portland 1806-2008, by John Christy et al
  - b. Flora of the Pacific Northwest: An Illustrated Manual by C. Leo Hitchcock and Arthur Cronquist
  - c. Plants of Western Oregon, Washington & British Columbia by Eugene N. Kozloff
3. The list will be reviewed by botanists and ecologists familiar with the Portland area.

The following list is proposed as the 2009 TEES - Special Status Species Plants List. The list is informational. It was developed to assist land managers and planners in identifying actions that will protect, restore and enhance Portland Special Status Habitats and associated wildlife species.

SCIENTIFIC NAME	COMMON NAME	Heritage Status - Rank	ORNHC List
<i>Agrostis howellii</i>	Howell's bentgrass	S-2	1
<i>Cimicifuga elata</i> var. <i>elata</i>	Tall bugbane	S-3	1
<i>Delphinium leucophaeum</i>	White rock larkspur	S-2	1
<i>Delphinium pavonaceum</i>	Peacock larkspur	S-1	1
<i>Howellia aquatilis</i>	Howellia	S-1	1
<i>Rorippa columbiae</i>	Columbia cress	S-3	1
<i>Sericocarpus rigidus</i> (syn <i>Aster curtus</i> )	White-topped aster	S-2	1
<i>Sullivantia oregana</i>	Oregon sullivantia	S-2	1
<i>Castilleja levisecta</i>	Golden paintbrush	S-H	1-extirpated
<i>Artemisia campestris</i> var. <i>wormskioldii</i>	Northern wormwood	S-X	1-extirpated
<i>Carex comosa</i>	Bristly sedge	S-1	2
<i>Carex retrorsa</i>	Retorse sedge	S-1	2
<i>Delphinium nuttallii</i>	Nuttall's larkspur	S-1	2
<i>Fritillaria camschatcensis</i>	Indian rice / black lilly	S-1	2
<i>Heliotropium curassavicum</i>	Salt heliotrope	S-2	2
<i>Rotala ramosior</i>	Toothcup	S-2	2
<i>Wolffia columbiana</i>	Columbia water-meal	S-1	2
<i>Sedella pumila</i>	Sierra mock-stonecrop	S-H	2-extirpated
<i>Ammannia robusta</i>	Grand redstem (loosestrife family)	S-NR	3
<i>Elodea nuttallii</i>	Nuttall's waterweed	S-NR	3
<i>Hierochloa odorata</i>	Holy grass	S-NR	3
<i>Polygonum punctatum</i>	Dotted smartweed	S-NR	3
<i>Scirpus pallidus</i>	Pale bulrush	S-3	3
<i>Zizia aptera</i>	Golden alexanders	S-NR	3
<i>Bergia texana</i>	Texas bergia	S-3?	4
<i>Bolandra oregana</i>	Oregon bolandra	S-3	4
<i>Cypripedium montanum</i>	Mountain lady's-slipper	S-3, S-4	4
<i>Euonymus occidentalis</i>	Western wahoo	S-3	4
<i>Montia howellii</i>	Howell's montia	S-3, S-4	4
<i>Poa laxiflora</i>	Loose-flowered bluegrass	S-3	4
<i>Poa marcida</i>	Weak bluegrass	S-4	4
<i>Sidalcea campestris</i>	Meadow checker-mallow	S-4	4

NR = Not yet ranked (2007 report)

H = Historical Occurrence, formerly part of the native biota with the implied expectation that it may be rediscovered.

X = Presumed extirpated or extinct.

## CODES AND ABBREVIATIONS

### FEDERAL STATUS

LE	Listed as an Endangered Species
LT	Listed as a Threatened Species
PE	Proposed as an Endangered Species
PT	Proposed as a Threatened Species
C	Candidate for Listing as Threatened or Endangered
SOC	Species of Concern - Taxa for which additional information is needed to support a proposal to list under the ESA

### STATE STATUS - ANIMALS

LE	Listed as an Endangered Species
LT	Listed as a Threatened Species
PE	Proposed as an Endangered Species
PT	Proposed as a Threatened Species
SC	Sensitive - Critical
SV	Sensitive - Vulnerable

### STATE STATUS - PLANTS

LE	Listed as an Endangered Species
LT	Listed as a Threatened Species
PE	Proposed as an Endangered Species
PT	Proposed as a Threatened Species
C	Candidate for Listing as Threatened or Endangered

### ECOREGIONS

BM	Blue Mountains (includes High Lava Plains)
BR	Northern Basin and Range (includes Owyhee Uplands)
CB	Columbia Basin
CR	Coast Range
EC	East Cascades
KM	Klamath Mountains
SP	Snake River Plains
WC	West Cascades and Crest
WV	Willamette Valley

### STATES AND PROVINCES

AB	Alberta	NJ	New Jersey
AK	Alaska	NM	New Mexico
AZ	Arizona	NY	New York
AR	Arkansas	NC	North Carolina
BC	British Columbia	NT	NW Territories
CA	California	NS	Nova Scotia
CO	Colorado	ON	Ontario
HI	Hawaii	QC	Quebec
ID	Idaho	SK	Saskatchewan
KS	Kansas	TN	Tennessee
MB	Manitoba	UT	Utah
MA	Massachusetts	WA	Washington
MT	Montana	WI	Wisconsin
NV	Nevada	WY	Wyoming

### NATURAL HERITAGE RANKS

G1	Critically imperiled throughout its range
G2	Imperiled throughout its range
G3	Rare, threatened or uncommon throughout its range
G4	Not rare, apparently secure throughout its range
G5	Widespread, abundant and secure throughout its range
S1	Critically imperiled in Oregon
S2	Imperiled in Oregon
S3	Rare, threatened or uncommon in Oregon
S4	Not rare, apparently secure in Oregon
S5	Widespread, abundant and secure in Oregon
T	Rank for a subspecies, variety, or race
Q	Taxonomic questions
H	Historic, formerly part of the native biota with the implied expectation that it may be rediscovered
X	Presumed extirpated or extinct
U	Unknown rank
?	Not yet ranked
B	Rank of the breeding population (migratory birds)
N	Rank of the wintering population (migratory birds)

### MISCELLANEOUS

ESA	Endangered Species Act
EPA	Environmental Protection Agency
FED	Federal
NOAA	National Oceanic and Atmospheric Administration
ODA	Oregon Department of Agriculture
ODFW	Oregon Department of Fish and Wildlife
OESA	Oregon Endangered Species Act
ORNHIC	Oregon Natural Heritage Information Center
sp. nov.	species novum (new species) - in the process of being described in the literature
ssp.	subspecies
ssp. nov.	subspecies novum (new subspecies) - in the process of being described in the literature
TNC	The Nature Conservancy
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
var.	variety
+	taxon occurs in additional states

### HERITAGE LISTS

1	Threatened or Endangered Throughout Range
2	Threatened, Endangered or Extirpated from Oregon, but Secure or Abundant Elsewhere
3	Review
4	Watch
2-ex	Extirpated in Oregon
1-X	Presumed extinct

**Portland Special Status Species Plants (updated 2009)**

<b>SCIENTIFIC NAME</b>	<b>COMMON NAME</b>	<b>Site conditions and habitats found</b>
<i>Agrostis howellii</i>	Howell's bentgrass	Moist, shady cliffs; canyon walls; waterfall spray zones; talus
<i>Cimicifuga elata</i> var. <i>elata</i>	Tall bugbane	In, or at the margins of, moist, mixed coniferous and deciduous forest. Areas of filtered light.
<i>Delphinium leucophaeum</i>	White rock larkspur	Mesic woodlands and forests
<i>Delphinium pavonaceum</i>	Peacock larkspur	Prairie
<i>Howellia aquatilis</i>	Howellia	Ponds or sloughs / submerged or partially flooded
<i>Rorippa columbiae</i>	Columbia cress	Near water; seasonally inundated
<i>Sericocarpus rigidus</i> (syn <i>Aster curtus</i> )	White-topped aster	Grasslands
<i>Sullivantia oregana</i>	Oregon sullivantia	Moist cliffs, especially near waterfalls; growing on small pockets of basalt derived soil.
<i>Castilleja levisecta</i>	Golden paintbrush	Seasonally (spring) wet prairies
<i>Artemisia campestris</i> var. <i>wormskioldii</i>	Northern wormwood	Rocky, cobbly shorelines and riverbanks
<i>Carex comosa</i>	Bristly sedge	Marshes, lake shores, wet meadows
<i>Carex retrorsa</i>	Retorse sedge	Wet thickets, swamps, marshes, lake shores
<i>Delphinium nuttallii</i>	Nuttall's larkspur	Low moist ground, gravelly outwashes, basalt cliffs
<i>Fritillaria camschatcensis</i>	Indian rice / black lilly	Moist open meadows, near lakes and streams, coniferous-forested wetlands
<i>Heliotropium curassavicum</i>	Salt heliotrope	Dry or moist saline and alkaline areas
<i>Rotala ramosior</i>	Toothcup	Wet, swampy places; lake and pond margins; along rivers
<i>Wolffia columbiana</i>	Columbia water-meal	Freshwater ponds, lakes, and slow-moving streams
<i>Sedella pumila</i>	Sierra mock-stonecrop	Thin soil on rock outcrops, gravelly soil, vernal pools.
<i>Ammannia robusta</i>	Grand redstem (loosestrife family)	Riverine emergent wetlands, riparian mudflat wetlands
<i>Elodea nuttallii</i>	Nuttall's waterweed	In lakes, ponds, ditches
<i>Hierochloe odorata</i>	Holy grass	Moist slopes, meadows, stream banks

<i>Polygonum punctatum</i>	Dotted smartweed	Swamps, shallows; pond, stream, and lake edges
<i>Scirpus pallidus</i>	Pale bulrush	Wet meadows, stream banks, springs
<i>Zizia aptera</i>	Golden alexanders	Prairie, rocky upland woodlands, limestone glades
<i>Bergia texana</i>	Texas bergia	Sand bars, vernal pools, moist disturbed soil
<i>Bolandra oregana</i>	Oregon bolandra	Wooded areas on cliffs near waterfalls
<i>Cypripedium montanum</i>	Mountain lady's-slipper	Mid- to late-successional forest communities; mixed conifers or mixed evergreen/oak woodland
<i>Euonymus occidentalis</i>		Moist, wooded/forested areas
<i>Montia howellii</i>	Howell's montia	Moist, disturbed soils; lowlands
<i>Poa laxiflora</i>	Loose-flowered bluegrass	Open meadows along stream banks; upper margins of sea beaches
<i>Poa marcida</i>	Weak bluegrass	
<i>Sidalcea campestris</i>	Meadow checker-mallow	Prairie / grasslands (roadside ditches)