

working for clean rivers



# Portland Plant List

## Update 2016

### or, No Pain, No Gain

**Dominic Maze, Bureau of Environmental  
Services**

February 24<sup>th</sup>, 2016



**ENVIRONMENTAL SERVICES  
CITY OF PORTLAND**

NICK FISH, COMMISSIONER  
JAMES HAGERMAN, INTERIM DIRECTOR

# Background

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- Why have a PPL?
  - Native Plants List
  - “Nuisance Plants” List
  - Goes beyond state/feds
  - Area specific plant lists
- City codes referring to PPL
  - Title 33, Zoning Code
  - Title 11, Trees
  - Title 29, Property Maintenance Regulations



# Background

- Authoritative guide to plants in PDX
  - Technical & Educational used by the city, what gets planted where
  - Backyard Bird Habitat Program, watershed councils, city contractors, city planting manuals, etc.
  - Reference docs: *Flora of the Pacific Northwest*, *Oregon Vascular Plant Database*, and *Urbanizing Flora of Portland, Oregon*



# Background


- Originated Nov 1991; updates in 90's & 00's
  - Govern allowable plants in established *new enviro* & greenway overlay zones
  - Only natives allowed in overlay zones
  - No Nuisance Plants in overlay zones or city-required landscape plans



# Background

- Last substantial update in 2010
  - Part of the *Invasive Plant Policy Review and Regulatory Improvement Project*
  - Consolidation of Nuisance Plants lists
  - Assignment of Nuisance Plants ranks
  - Addition of Required Eradication List
  - Conversion to admin rulemaking to expedite update process - admin by BPS
  - Other (contentious) city code stuff

City Council Report



Invasive Plant Policy Review and Regulatory Improvement Project

City of Portland  
Bureau of  
Planning and  
Sustainability  
Sue Adams, Mayor  
Susan Alderman, Director

Adopted by City Council  
Ordinance No. 183534  
Effective July 1, 2010 and July 1, 2011

Examples of Invasive Plants of Portland

ENVIRONMENTAL SERVICES  
CITY OF PORTLAND  
working for clean rivers  
Dan Salzman, Commissioner in Charge  
Dean Morrison, Director



# Issues with the Portland Plant List

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- Enter plant nerd(s)
  - Great list!
  - A “committed effort by committee”
  - How do plants get added (or removed)?
  - How did (nuisance) plants get ranked?
  - What references?
  - What objectivity?
  - Title 29 a BIG deal!



# Issues with the Portland Plant List

- “Technical” issues
  - Minor quibbles?
  - How stringent do you need to be?

## Shrubs

<i>Arctostaphylos uva-ursi</i>	Kinnikinnick
<i>Berberis nervosa</i>	Dull Oregongrape
<i>Gaultheria shallon</i>	Salal
<i>Rubus ursinus</i> var. <i>macropetalus</i>	Dewberry

## Vines

<i>Lonicera ciliosa</i>	Trumpet Vine
<i>Lonicera hispidula</i>	Hairy Honeysuckle
<i>Marah oreganus</i>	Manroot
<i>Ribes laxiflorum</i>	Western Black Currant
<i>Rubus ursinus</i>	Pacific Blackberry
<i>Toxicodendron diversilobum</i>	Poison Oak



# Issues with the Portland Plant List

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## Shrubs

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3. NATIVE PLANTS IN DETAIL

3.11 HERBACEOUS GRASSES (Table continues across page)			
Latin name	Common name	Mature height	
<i>Festuca subuliflora</i>	Coast Range Fescue-grass	20"-4'	<i>Lonicera hispidula</i> Trumpet Vine
<i>Glyceria elata</i>	Fowl Mannagrass	3'-4'	<i>Lonicera hispidula</i> Hairy Honeysuckle
<i>Glyceria occidentalis</i>	NW Mannagrass	2'-3'	<i>Rubus ursinus</i> Manroot
<i>Hordeum brachyantherum</i>	Meadow Barley	1'-3'	<i>Rubus ursinus</i> Western Black Currant
<i>Koeleria macrantha</i>	Junegrass		<i>Rubus ursinus</i> Pacific Blackberry
<i>Leersia oryzoides</i>	Rice Cutgrass		<i>Rubus ursinus</i> Pacific Blackberry
<i>Luzula campestris</i> var. <i>congesta</i>	Field Woodrush	4"-2'	<i>Quercus diversilobum</i> Poison Oak
<i>Luzula parviflora</i>	Small-flowered Woodrush		<i>Quercus diversilobum</i> Poison Oak





# Issues with the Portland Plant List

## 4.1 NUISANCE PLANTS LIST

Scientific Name	Common Name	Rank	Plant Type
<b>Rank A Plants</b>			
<i>Acroptilon repens</i>	Russian knapweed	A*	Herbaceous
<i>Brachypodium sylvaticum</i>	False brome	A*	Herbaceous
<i>Carduus pycnocephalus</i> and <i>Carduus tenuiflorus</i>	Italian thistle or slender flowered thistle	A*	Herbaceous
<i>Carex pendula</i>	Pendant sedge	A	Herbaceous
<i>Cortaderia jubata</i>	Jubata grass	A*	Herbaceous
<i>Echium plantagineum</i>	Paterson's curse	A*	Herbaceous
<i>Heracleum mantegazzianum</i>	Giant hogweed	A*	Herbaceous
<i>Hieracium aurantiacum</i>	Orange hawkweed	A*	Herbaceous
<i>Hieracium pratense</i> ( <i>H. cespitosum</i> )	Meadow hawkweed (formerly listed as Yellow hawkweed)	A*	Herbaceous
<i>Impatiens glandulifera</i>	Policemen's helmet	A*	Herbaceous
<i>Lamium galeobdolon</i>	Yellow archangel	A	Herbaceous
<i>Ludwigia hexapetala</i> ( <i>Jussiaea uruguayensis</i> )	Water primrose	A	Aquatic
<i>Onopordum acanthium</i>	Scotch thistle	A*	Herbaceous
<i>Phalaris aquatica</i>	Harding grass	A	Herbaceous
<i>Phragmites australis</i> (introduced var. only)	Common reed	A*	Herbaceous
<i>Phytolacca americana</i>	Pokeweed	A	Shrub
<i>Pueraria lobata</i>	Kudzu	A*	Herbaceous
<i>Silybum marianum</i>	Blessed milk thistle	A*	Herbaceous
<i>Tamarix ramosissima</i>	Salt cedar	A*	Shrub
<i>Ulex europaeus</i>	Gorse	A*	Shrub
<i>Utricularia inflata</i>	Swollen bladderwort	A	Aquatic
<i>Verbena bonariensis</i>	Tall verbena	A	Herbaceous



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# Issues with the Portland Plant List

<i>Lythrum portula</i>	Spatula leaf purslane	B	Herbaceous
<i>Lythrum salicaria</i>	Purple loosestrife	B	Herbaceous
<i>Myriophyllum aquaticum</i>	Parrots feather	B	Aquatic
<i>Polygonum convolvulus</i>	Climbing bindweed	B	Herbaceous
<i>Polygonum cuspidatum (Fallopia cuspidata)</i>	Japanese knotweed	B	Herbaceous
<i>Polygonum polystachyum (Persicaria wallachii)</i>	Himalayan knotweed	B	Herbaceous
<i>Polygonum sachalinense (Fallopia sachalinensis)</i>	Giant knotweed	B	Herbaceous
<i>Populus alba</i>	White poplar	B	Tree
<i>Ranunculus ficaria (formerly listed as Chelidonium majus)</i>	Lesser celandine	B	Herbaceous
<i>Solanum nigrum</i>	Garden nightshade	B	Herbaceous

## CITY RANKS (CLASSIFICATIONS) ARE DEFINED AS FOLLOWS:

- A** — These species are known to be invasive. These species are known to occur but are not widely distributed in the region. Distribution is limited to a few sites. They spread rapidly and they are difficult to control once they become widespread.
- B** — These species are known to be invasive. These species are known to occur in the region. They are more abundant and widely distributed than A; however, the distribution is still limited to patches or specific habitats. Distribution is not as widespread as C plants. These species can spread rapidly and are difficult to control once they become widespread.
- C** — These species are known to be invasive. These species are widely distributed and abundant throughout the region. Their distribution is already very extensive throughout the natural areas and they are difficult to control once they become widespread. These plants are considered ubiquitous.
- D** — These species are known to be less aggressive than A, B, and C species. These species are known to occur in the region. These plants persist in the ecosystems with native species and therefore, have less impact on the system than the A, B, and C species.
- W** — Watch species. Species occurrence and distribution should be monitored for presence and/or to determine the level of invasiveness in the region.



# Issues with the Portland Plant List

## Native List

<i>Viola sempervirens</i>	Evergreen Violet	2"-5"	●	Yellow	Pale yellow, lower 3 petals with purple lines						■	■	■						
<i>Whipplea modesta</i>	Yerba de Selva																		
<i>Xanthium spinosum</i>	Spiny Cocklebur																		
<i>Xanthium strumarium</i>	Common Cocklebur																		

### KEY

#### ● SHOWY

*Flowers are visible at some point during the year*

#### LIFE CYCLE

**A** Annual

**B** Biennial

**EP** Evergreen perennial

**P** Perennial

**X T/E** State or federally listed as Threatened or Endangered

#### ● LIGHT

**FULL SUN** tolerates unshaded full exposure

**PARTIAL SUN** tolerates some sun and shade

**FULL SHADE** tolerates fully shaded conditions

#### ● MOISTURE

**DRY** tolerates dry conditions

**MOIST** tolerates moist conditions

**SEAS WET** tolerates seasonally wet conditions

**PERNL WET** tolerates perennially wet conditions

**SUB** tolerates submerged conditions



# Issues with the Portland Plant List

Continuation of B listed weeds	
Old man's beard	<i>Clematis vitalba</i>
Parrot feather	<i>Myriophyllum aquaticum</i>
Perennial peavine	<i>Lathyrus latifolius</i>
Perennial pepperweed (T)	<i>Lepidium latifolium</i>
Pheasant's eye	<i>Adonis aestivalis</i>
Poison hemlock	<i>Conium maculatum</i>
Policeman's helmet	<i>Impatiens glandulifera</i>
Puncturevine*	<i>Tribulus terrestris</i>
Purple loosestrife*	<i>Lythrum salicaria</i>
Ragweed	<i>Ambrosia artemisiifolia</i>
Ribbongrass (T)	<i>Phalaris arundinacea var. Picta</i>
Rush skeletonweed* (T)	<i>Chondrilla juncea</i>
Saltcedar* (T)	<i>Tamarix ramosissima</i>
Small broomrape	<i>Orabanche minor</i>
South American waterweed	<i>Egeria densa (Elodea)</i>
Spanish heath	<i>Erica lusitanica</i>
Spikeweed	<i>Hemizonia pungens</i>
Spiny cocklebur	<i>Xanthium spinosum</i>
Spurge laurel	<i>Daphne laureola</i>
Spurge	
Leafy* (T)	<i>Euphorbia esula</i>
Myrtle	<i>Euphorbia myrsinites</i>



# Issues with the Portland Plant List

## - Great Native List!

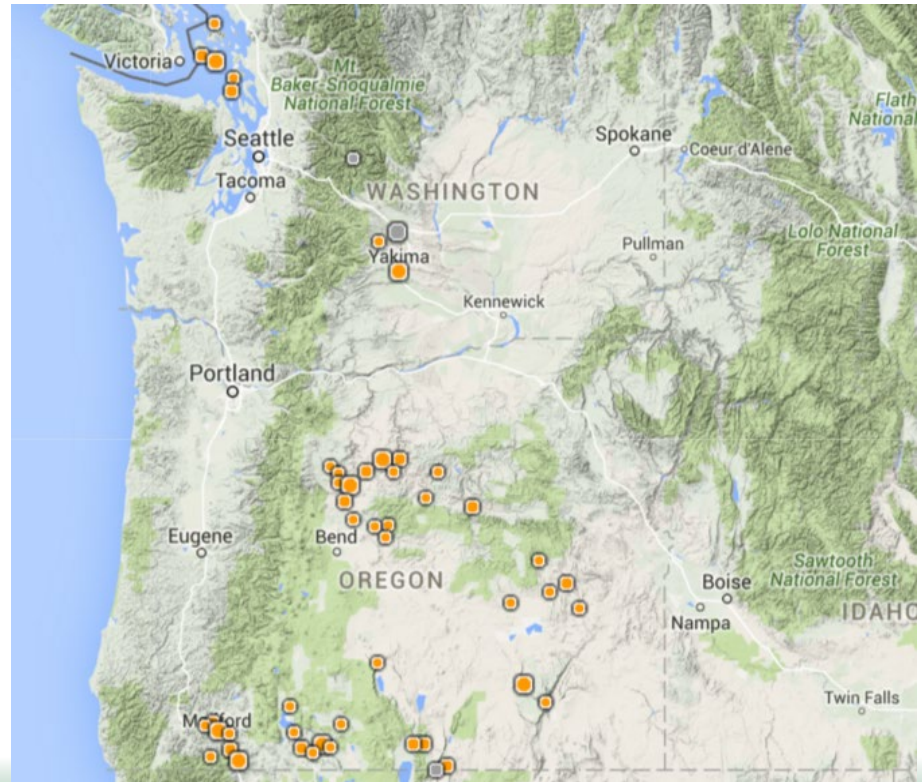
- Sorta....
- Where should we delimit?
- Constricting palette for the sake of “nativeness”

*Lupinus microcarpus*

Not native to Portland area

*Lupinus sulphureus*

Misapplied to Kincaid's lupine, *Lupinus oregonus*



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## - Great Native List!

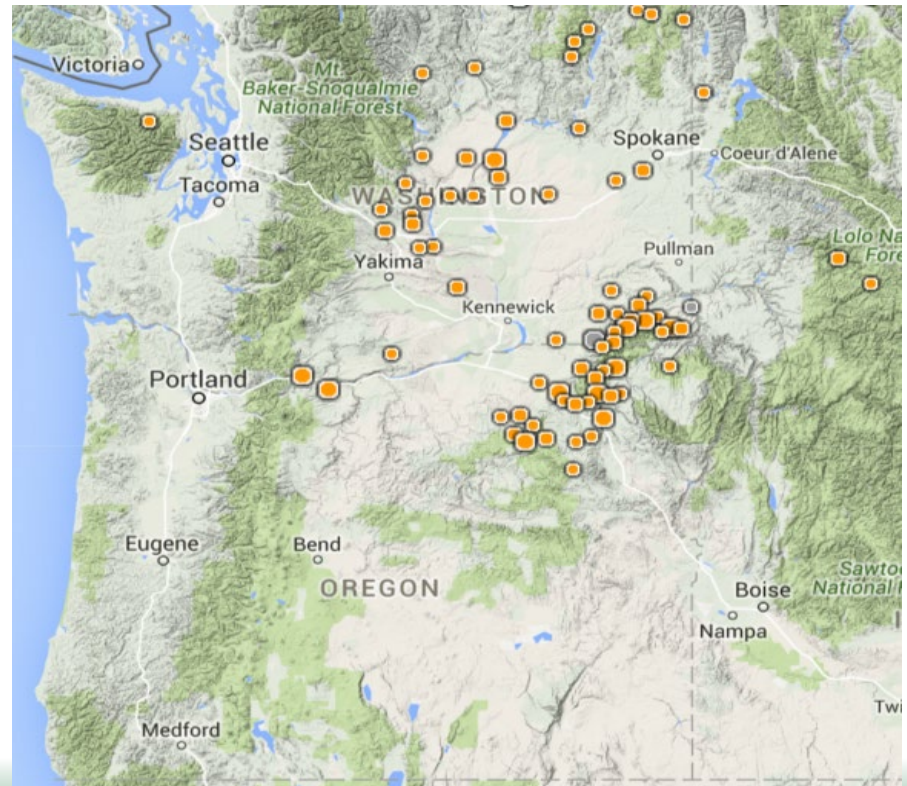
- Sorta....
- Where should we delimit?
- Constricting palette for the sake of “nativeness”
- Nursery industry, climate change, etc.

*Lupinus microcarpus*

Not native to Portland area

*Lupinus sulphureus*

Misapplied to Kincaid's lupine, *Lupinus oregonus*



# Current PPL Update

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- Process improvements - increased scientific rigor, transparency, etc.
  - Standard Operating Procedure (SOP)
  - Criteria-based screening of requested amendments
  - Expert reviewers (non-city employees)
  - Quantitative risk assessment





# Current PPL Update

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- The Process We Developed
  - *Public Notice/Tracking*



# Current PPL Update

## Portland Plant List Amendment Request Form

This form must be completed to request review amendments to the City of Portland, Portland Plant List. Please attach any supporting documentation and submit the form to the Bureau of Planning and Sustainability, 1900 SW Fourth Ave., Ste. 7100, Portland, OR 97201 **include email address**

### 1. CONTACT

Date of Request	Name of Requesting Entity and Contact Person	Address/Phone/Email

### 2. PLANT DETAILS

Plant(s) addressed in the request (common and scientific name; include variety or cultivar if known)

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### 3. REQUEST DETAILS

Please state your proposed amendment(s) and rationale

*Amendment request options include adding plant species to or deleting plant species from the Native Plants List or the Nuisance Plants List, modifying Nuisance Plan Ranks, changing plant species nomenclature, updating the report narratives.*

*Please provide technical, science-based technical justifications for the request. Requests to change the Native Plants List or Nuisance Plants List should address applicable criteria (examples attached) provide supporting information/documentation if available. Requests will be reviewed by City staff as well as independent experts for validity.*

Amendment Request(s):

Reason(s) for proposed amendment(s):

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### 4. Initial Technical Review

*BEs List initial findings and whether request was forwarded for bureau staff review. Provide brief justification for decision.*

--

### 5. Bureau Staff Review

*Led by BEs. Please attach reviewer materials, including justifications for minor technical changes, recommended denial of request, or recommendation to forward to external expert reviewers (attached bureau comments).*

Name	Bureau	Recommendation	Date Reviewed

### 6. External Expert Reviewers

*BEs. Please attach external reviewer materials including completed Quantitative Risk Assessments for amendments to the Nuisance Plant Lists.*

Name	Organization	Decision	Date Reviewed

### 6. Notes

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### Amendment Request Decision

*To be completed by BP after Bureau TAC final review and decision summary. Please attach all materials.*

Request Approved (Yes/No)	Decision date	Decision reason	Resulting Action



## Criteria for evaluating proposed amendments

Parties submitting proposed amendments to the Portland Plant List are asked to provide necessary information to properly evaluate their request:

1. Provide the scientific name (*Genus species*) and common name for the plant(s) in question
2. Provide clear justifications for the proposed amendment(s)
3. Provide citations from accepted botanical literature to support the amendments (see below):

### Proposed additions to the Native Plant List:

- Requests must document that the plant is truly native to Portland area or the region. The authority for this will be [Urbanizing Flora of Portland, Oregon 1806–2008](#) (Occasional Paper 3 of the Native Plant Society of Oregon, 2009) by J.A. Christy, A. Kimpo, V. Marttala, P.K. Gaddis, and N.L. Christy. If a proposed plant is not included in this document, a proposal to add a species to the Native Plant List must include additional justifications, e.g., a species native occurs outside but near the Portland region and would be ecologically beneficial if used for ecological restoration within the Portland .

### Proposed deletions from the Native Plant List:

- Requests must document that a species is not native to the Portland region per [Urbanizing Flora of Portland, Oregon 1806–2008](#) (Occasional Paper 3 of the Native Plant Society of Oregon, 2009) by J.A. Christy, A. Kimpo, V. Marttala, P.K. Gaddis, and N.L. Christy or indicated as not-native to the state by *Flora of the Pacific Northwest: An Illustrated Manual* (1973) by C. Leo Hitchcock and Arthur Cronquist and the online Oregon Flora Project.

### Proposed additions to the Nuisance Plant List:

- Only plants that are non-native will be considered for the Nuisance Plant List; so a request should confirm that the plant species is not native to the Portland area. The authorities for this will be [Urbanizing Flora of Portland, Oregon 1806–2008](#) (Occasional Paper 3 of the Native Plant Society of Oregon, 2009) by J.A. Christy, A. Kimpo, V. Marttala, P.K. Gaddis, and N.L. Christy and by *Flora of the Pacific Northwest: An Illustrated Manual* (1973) by C. Leo Hitchcock and Arthur Cronquist and the online Oregon Flora Project. If a plant is not addressed in these documents, the online *Flora of North America* may be consulted.
- A request must also document key characteristics of the species, including existing occurrence or likelihood of occurrence in the Portland region, level of invasiveness or threat to biodiversity and local ecosystems, or threats posed to human, fish, wildlife, or domestic animal health and safety or to wildlife.

### Proposed Deletions to Nuisance Plant List:

- A request to delete a species must show a plant is actually native to the Portland region using the above sources, and/or
- The plant species is not invasive and does not pose a threat to biodiversity or local/regional native ecosystems, does not pose a threat to human, fish, wildlife, or domestic animal health and safety, or other relevant factors. The request should cite appropriate sources.

### Proposed Changes in Nuisance Plant Ranking:

- Requests should include the proposed rank and the reasons why the current rank should be changed to the proposed rank. Base the request on factors used to assign ranks as specified in the Portland Plant List, including level of invasiveness and/or threat to human, fish, wildlife, domestic animal health, and whether the species is likely to occur, or is/not currently widespread. The request could also address factors listed in the City's quantitative risk assessment form. The request should cite appropriate sources.

### Nomenclature changes:

- The scientific name (*Genus species*) of a plant is based on the most up-to-date nomenclature



## 1. CONTACT

Date of Request	Name of Requesting Entity and Contact Person	Address/Phone/Email
7/31/14	City of Portland, Bureau of Environmental Services	1120 SW 5 <sup>th</sup> Ave Room 1000 Portland Oregon, 97204 dominic.maze@portlandoregon.gov

## 2. PLANT DETAILS

Plant(s) addressed in the request (common and scientific name; include variety or cultivar if known)
sycamore maple, <i>Acer psuedoplatanus</i>

## 3. REQUEST DETAILS

Please state your proposed amendment(s) and rationale
<p><i>Amendment request options include adding plant species to or deleting plant species from the Native Plants List or the Nuisances Plants List, modifying Nuisance Plan Ranks, changing plant species nomenclature, updating the report narratives.</i></p> <p><i>Please provide technical, science-based technical justifications for the request. Requests to change the Native Plants List or Nuisance Plants List should address applicable criteria (examples attached) provide supporting information/documentation if available. Requests will be reviewed by City staff as well as independent experts for validity.</i></p>
<p><b>Amendment Request(s):</b> That sycamore maple be listed as a nuisance plant by the City of Portland</p> <p><b>Reason(s) for proposed amendment(s):</b> Sycamore maple is a common tree in Portland and has been planted for many years. According to city staff and partners in the Four County Cooperative Weed Management Area, sycamore maple has been prolifically seeding and spreading outside of cultivation for the last decade or more. The reasons for this relatively recent spread after so many years are uncertain: some possibilities are changes in climate or introductions of new genetics which have released sycamore maple from some prior constraint.</p> <p>City staff and partners report expending resources controlling this species. This species poses a threat to our natural areas by shading and crowding out native vegetation. Also, sycamore maple's widespread use as a street tree has resulted in many trees growing in sidewalk cracks and planting strips in city ROW's: damaging infrastructure and creating a safety risk for pedestrians and limiting visibility for cyclists and motorists. The species is listed as "invasive" by many governments and NGO's around the world. It is now widespread as a weed within the City of Portland. Anecdotal evidence suggests SE Portland is particularly affected.</p> <ol style="list-style-type: none"><li>1. Listed as "Invasive" by the City of Lake Oswego, Oregon (City website, accessed 7/31/14)</li><li>2. Cited as, "An extremely aggressive ornamental that invades wetlands and riparian areas." <u>Urbanizing Flora of Portland, Oregon 1806–2008</u> (Occasional Paper 3 of the Native Plant Society of Oregon, 2009) by J.A. Christy, A. Kimpo, V. Marttala, P.K. Gaddis, and N.L. Christy</li><li>3. Listed as invasive by the state of Pennsylvania: <a href="http://www.dcnr.state.pa.us/cs/groups/public/documents/document/dcnr_010224.pdf">http://www.dcnr.state.pa.us/cs/groups/public/documents/document/dcnr_010224.pdf</a></li><li>4. Listed as invasive in Canada and the contiguous U.S. by the USDA: <a href="http://plants.usda.gov/core/profile?symbol=ACPS">http://plants.usda.gov/core/profile?symbol=ACPS</a></li></ol>



# Current PPL Update

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## - The Process We Developed

- *Public Notice/ Tracking*
- *Review by staff*



# Current PPL Update

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Amendment Request(s):

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BEs List initial findings and whether request is forwarded for bureau staff review. Provide brief justification for decision.

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Led by BEs. Please attach reviewer materials, including justifications for minor technical changes, recommended denial of request, or recommendation to forward to external expert reviewers (attached bureau comments).

Name	Bureau	Recommendation	Date Reviewed

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### 6. Notes

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# Current PPL Update

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> This is a Parks related issue, but I'm writing to you, rather than Charlie Hales or Nick Fish, because you seem to actually care about this place. I've already written to the Bureau of Parks and Recreation and received NO RESPONSE. I would like to see Sweet Cicely (Osmorhiza) and Yellow Avens (Geum aleppicum) added to an official list of invasive weeds in Portland Parks. Neither of these weeds is on the Oregon Department of Agriculture's Noxious Weeds lists. These weeds may or may not be a problem for the state of Oregon, but they are definitely a nuisance in Portland Parks because of their seeds that stick to clothing and fur. They may also be indigenous to the Pacific Northwest, but they are NOT indigenous to Washington Park, which is obvious since they grow only in places where people have been.

Many people recognize these weeds when they see them and know that they hate picking the seeds off of their clothing and/or out of their dog's fur. However, hardly anyone knows what these weeds are called. Please help raise awareness of these annoying weeds.

>

> Sincerely,

Mr. Maze,

"short-lived nuisance"?

"valuable ecological function"?

You're full of it!!!

If you don't have the resources to control this very real problem, can't you at least put these plants on some kind of official list that VOLUNTEERS can use?

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### 6. External Expert Reviewers

*BEs. Please attach external reviewer materials including completed Quantitative Risk Assessments for amendments to the Nuisance Plant Lists.*

Name	Organization	Decision	Date Reviewed

### 6. Notes

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### Amendment Request Decision

*To be completed by BEs after Bureau TAC final review and decision summary. Please attach all materials.*

Request Approved (Yes/No)	Decision date	Decision reason	Resulting Action





# Current PPL Update

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## - The Process We Developed

- *Public Notice/ Tracking*
- *Review by staff*
- *(incl. name  $\Delta$ 's)*



# Current PPL Update

## Portland Plant List Amendment Request Form

This form must be completed to request review amendments to the City of Portland, Portland Plant List. Please attach any supporting documentation and submit the form to the Bureau of Planning and Sustainability, 1900 SW Fourth Ave., Ste. 7100, Portland, OR 97201 **include email address**

### 1. CONTACT

Date of Request	Name of Requesting Entity and Contact Person	Address/Phone/Email

### 2. PLANT DETAILS

Plant(s) addressed in the request (common and scientific name; include variety or cultivar if known)

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### 3. REQUEST DETAILS

Please state your proposed amendment(s) and rationale

*Amendment request options include adding plant species to or deleting plant species from the Native Plants List or the Nuisances Plants List, modifying Nuisance Plan Ranks, changing plant species nomenclature, updating the report narratives.*

*Please provide technical, science-based technical justifications for the request. Requests to change the Native Plants List or Nuisance Plants List should address applicable criteria (examples attached) provide supporting information/documentation if available. Requests will be reviewed by City staff as well as independent experts for validity.*

Amendment Request(s):

Reason(s) for proposed amendment(s):

### 4. Initial Technical Review

*BEs List initial findings and whether request was forwarded for bureau staff review. Provide brief justification for decision.*

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### 5. Bureau Staff Review

*Led by BEs. Please attach reviewer materials, including justifications for minor technical changes, recommended denial of request, or recommendation to forward to external expert reviewers (attached bureau comments).*

Name	Bureau	Recommendation	Date Reviewed

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*BEs. Please attach external reviewer materials, including completed Quantitative Risk Assessments for amendments to the Nuisance Plant Lists.*

Name	Organization	Decision	Date Reviewed

### 6. Notes

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# Current PPL Update

- The Process We Developed
  - Public Notice/ Tracking
  - Review by staff
  - (incl. name  $\Delta$ 's)
  - Expert Ext. Review

<u><i>Cornus sericea</i> ssp. <i>sericea</i></u>	<i>C. sericea</i>
<u><i>Crataegus douglasii</i> var. <i>douglasii</i></u>	<i>C. douglasii</i>
<u><i>Cryptantha intermedia</i> var. <i>grandiflora</i></u>	<i>C. intermedia</i>
<u><i>Cyperus aristatus</i></u>	<i>C. squarrosus</i>
<u><i>Dicentra formosa</i> var. <i>oregana</i></u>	<i>D. formosa</i> ssp. <i>formosa</i>
<u><i>Eleocharis macrostachya</i></u>	<i>E. palustris</i>
<u><i>Eleocharis obtusa</i> var. <i>obtusa</i></u>	<i>E. obtusa</i>
<u><i>Elymus glaucus</i> var. <i>jepsonii</i></u>	<i>E. glaucus</i> ssp. <i>glaucus</i>
<u><i>Epilobium angustifolium</i></u>	<i>Chamerion angustifolium</i> var. <i>canescens</i>
<u><i>Epilobium paniculatum</i></u>	<i>E. brachycarpum</i>
<u><i>Eriogonum</i> cf. <i>nudum</i> [SIC]</u>	<i>Eriogonum nudum</i>
<u><i>Fallopia bohemica</i></u>	<i>Fallopia xbohemica</i>
<u><i>Festuca arundinaceae</i></u>	<i>Schedonorus arundinaceus</i>
Fix <i>Chelidonium majus</i> as a synonym for <i>Ranunculus ficaria</i>	These are two unrelated species. BOTH are to be listed as Nuisance Plants
<u><i>Fragaria vesca</i> var. <i>crinita</i></u>	<i>Fragaria vesca</i> ssp. <i>bracteata</i>
<u><i>Gymnocarpium dryopteris</i></u>	<i>Gymnocarpium disjunctum</i>
<u><i>Habenaria dilatata</i></u>	<i>Platanthera dilatata</i> var. <i>leucostachys</i>
<u><i>Heracleum lanatum</i></u>	<i>H. maxima</i>
<u><i>Hieracium laevigatum</i></u>	<i>H. umbellatum</i>
<u><i>Hypericum formosum</i> ssp. <i>scouleri</i></u>	<i>Hypericum scouleri</i>
<u><i>Linanthus bicolor</i></u>	<i>Leptosiphon bicolor</i>
<u><i>Lindernia dubia</i> var. <i>anagallidea</i></u>	<i>Lindernia dubia</i>
<u><i>Lotus purshiana</i> [SIC]</u>	<i>Acmispon americanus</i> var. <i>americanus</i>
<u><i>Lupinus micranthus</i></u>	<i>L. polycarpus</i>
<u><i>Luzula campestris</i> var. <i>congesta</i> [SIC]</u>	<i>L. campestris</i>
<u><i>Lysichitum americanum</i></u>	<i>Lysichiton americanus</i>
<u><i>Montia perfoliata</i></u>	<i>Claytonia perfoliata</i> ssn. <i>perfoliata</i>



# Current PPL Update

- The Process We Developed
  - Public/Tracking
  - Review by staff
  - (incl. name  $\Delta$ 's)
  - Expert Ext. Review

<u>Cornus sericea</u> ssp. <u>sericea</u>	<u>C. sericea</u>
<u>Crataegus douglasii</u> var. <u>douglasii</u>	<u>C. douglasii</u>
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<u>Cyperus aristatus</u>	<u>C. squarrosus</u>
<u>Dicentra formosa</u> var. <u>oregana</u>	<u>D. formosa</u> ssp. <u>formosa</u>
<u>Eleocharis macrostachya</u>	<u>E. palustris</u>
<u>Eleocharis obtusa</u> var. <u>obtusa</u>	<u>E. obtusa</u>
<u>Elymus glaucus</u> var. <u>jepsonii</u>	<u>E. glaucus</u> ssp. <u>glaucus</u>
<u>Epilobium angustifolium</u>	<u>Chamerion angustifolium</u> var. <u>canescens</u>
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<u>Habenaria dilatata</u>	<u>Platanthera dilatata</u> var. <u>leucostachys</u>
<u>Heracleum lanatum</u>	<u>H. maxima</u>

Species to be Removed	Reason
<u>Boykinia major</u>	Not native to Portland area
<u>Dodecatheon dentatum</u>	Not native to Portland area
<u>Echinochloa crus-galli</u>	Exotic weed
<u>Erigeron annuus</u>	Exotic weed
<u>Gentianella amerella</u> ssp. <u>acuta</u>	Not native to Portland area
<u>Impatiens ecalcarata</u>	Not native to Portland area
<u>Juncus bolanderi</u>	Not native to Portland area
<u>Lotus denticulatus</u>	Not native to Portland area
<u>Lotus formosissimus</u>	Not native to Portland area
<u>Lupinus microcarpus</u>	Not native to Portland area

<u>H. umbellatum</u>
<u>Hypericum scouleri</u>
<u>Leptosiphon bicolor</u>
<u>Lindernia dubia</u>
<u>Acmispon americanus</u> var. <u>americanus</u>
<u>L. polycarpus</u>
<u>L. campestris</u>
<u>Lysichiton americanus</u>
<u>Clavtonia nerfoliata</u> ssn. <u>nerfoliata</u>



# Current PPL Update

## City of Portland Nuisance Plant Risk Assessment v. 1.0

Common name:

Scientific name:

Family

For use with plant species that occur or may occur in Portland to determine their potential to become, or status as, nuisance plants. For each of the following categories, select the number that best applies. Numerical values are weighted to increase the value of important factors over less important ones. Choose the best number that applies, **intermediate scores can be used.**

Total Score: Risk Category:

### GEOGRAPHIC INFORMATION

- 1 Invasive in other areas
- 0 Low Not known to be invasive elsewhere.
  - 2 Medium Known to be invasive in climates dissimilar to Portland's current climate.
  - 6 High Known to be invasive in the region or geographically similar areas.

Comments:

2. Habitat availability: Are there susceptible habitats for this species and how common or widespread are they in Portland?
- 1 Low Habitat is *very* limited or seemingly non-existent.
  - 3 Medium Habitat encompasses *relatively* uncommon in Portland (i.e., gravel bars).
  - 6 High Habitat covers **large regions**, or is limited to a few locations of high economic or ecological value (e.g., rare species habitat such as Elk Rock Island).

Comments:

3. Proximity to Portland: What is the current distribution of the species?
- 0 Present Occurs within Portland.
  - 1 Distant Occurs only in distant US regions or foreign countries.
  - 3 Regional Occurs in Western regions of US but not adjacent to the Coast Range, Willamette Valley, or Cascade Mountain ecoregions.
  - 5 Adjacent Weedy populations occur adjacent (<50 miles) to Portland border.

Comments:

4. Current distribution: What is the current distribution of escaped populations in Oregon?
- 0 Not present Not known to occur in Coast Range, Willamette Valley, or Cascade Mountain ecoregions.
  - 1 Widespread Throughout much of above ecoregions (e.g., herb robert).

- 5 Regional Abundant in parts of above ecoregions (e.g., shining geranium)
- 10 Limited Limited to one or a few infestations in above ecoregions (e.g., goats rue).

Comments:

### BIOLOGICAL INFORMATION

5. Environmental factors: do abiotic (non-living) factors in the environment affect establishment and spread of the species? (e.g., precipitation, drought, temperature, nutrient availability, soil type, slope, aspect, soil moisture, standing or moving water).
- 1 Low Severely confined by abiotic factors (e.g., common reed).
  - 2 Medium Moderately confined by environmental factors (e.g., herb Robert, Scots broom).
  - 4 High Highly adapted to a variety of environmental conditions (e.g., slender false brome).

Comments:

6. Reproductive traits: how does this species reproduce? Traits that may allow rapid population increase or complicate management and control.
- 0 Negligible Not self-fertile, or is dioecious and opposite sex not present.
  - 1 Low Reproduction is only by seed, produces few seeds, or seed viability and longevity are low.
  - 3 Medium Reproduction is vegetative (e.g., by root fragments, rhizomes, bulbs, **stolons**).
  - 3 Medium Produces many seeds but seeds of short longevity (<5 years).
  - 5 High Produces many seeds and seeds moderately long-lived (>5 years) (e.g., garlic mustard).
  - 6 Very high Have two or more reproductive traits (e.g., seeds are long-lived [>10 years] and spreads by rhizomes).

Comments:

7. Biological factors: do biotic (living) factors restrict establishment and spread of the species? [What is the interaction of plant competition, natural enemies, native herbivores, pollinators, and pathogens with species?]
- 1 High Biotic factors highly suppress reproduction or heavily damage plant for an extended period (e.g., biocontrol agents on tansy ragwort).
  - 2 Medium Biotic factors partially restrict or moderately impact growth and reproduction, impacts sporadic or short-lived (e.g., biological agents on Canadian thistle).
  - 4 Low Few biotic interactions restrict growth and reproduction. Species expresses full growth and reproductive potential (e.g., reed canary grass).

Comments:

8. Reproductive potential and spread after establishment - non-human factors: how well can the species spread by natural means?
- 0 Negligible Insignificant potential for natural spread in Portland (e.g., ornamental plants outside of climate zone).
  - 2 Low Low potential for local spread within a year, has moderate reproductive potential or some mobility of propagules (e.g., mole plant).
  - 3 Medium Moderate potential for natural spread with either high reproductive potential or highly mobile propagules (e.g., propagules spread by moving water, or dispersed over longer distances by animals) (e.g., weeping sedge).



# Current PPL Update

## CATEGORY SCORES:

Geographic score (Add scores from 1 – 4)

Biological score (Add scores 5 – 9)

Impact score (Add scores 10 – 12)

Control score (Add scores 13 – 14)

**Total Score for species (Scores 1 – 14)**

## RISK CATEGORIES:

A – Scores of 70-90	B – Scores of 50-70	C – Scores of 40-50	D – Scores of 30-40
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This Risk Assessment was modified by the City of Portland from the USDA-APHIS Risk Assessment for the Introduction of New Plant species and the Oregon Department of Agriculture's Noxious Qualitative Weed Risk Assessment v. 3.6 using An Invasive Species Assessment Protocol: Evaluating Non-Native Plants for Their Impact on Biodiversity.

NatureServe, Arlington, Virginia by Morse, Randall, Benton, Hiebert, and Lu. **City of Portland version 1.0 7/25/13**



# Current PPL Update

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- What this Risk Assessment doesn't do
  - *Prevention vs control resources*
  - *Acceptable invasion risks*
  - *There is a trade-off: accuracy and precision vs. predictive power*



# Current PPL Update

- The Process We Developed
  - *Public/Tracking*
  - *Review by staff*
  - *(incl. name Δ's)*
  - *Expert Ext. Review*

Nuisance Plant List Reviewers	Affiliation	Petasites	Allium t	Arum it	Epipact	Galega	Ludwig	Acer psu	Euphor	Quercu	Viburnu	Aesulu	Pentaglot	Lottis	sempervirens
			61		40	72			71						
								33		33		32			
			52	60		70								46	
							63	50	67	45	52				
							57								
											53			53.5	
			60	42								48		51	
												53			
			58		55										48
							64								
						46	54			64					49.625
			59	51.67	57.5	43	65.33	61.3	41.5	67.33	39	52.5	44.33	49.63	
	Rank		B	B	B	C	B	B	C	B	D	B	C	C	





# Current PPL Update

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BEs List initial findings and whether request was forwarded for bureau staff review. Provide brief justification for decision.

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Name	Bureau	Recommendation	Date Reviewed

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# Current PPL Update

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- The Process We Developed
  - *Public/Tracking*
  - *Review by staff*
  - *(incl. name  $\Delta$ 's)*
  - *Expert Ext. Review*
  - *Additional Staff review*



# Current PPL Update

---

- The Process We Developed
  - *Public/Tracking*
  - *Review by staff*
  - *(incl. name  $\Delta$ 's)*
  - *Expert Ext. Review*
  - *Additional Staff review*
  - *Notification to stakeholders*



# Your Shall Not Update!



# Lessons Learned (groan...)

- Anticipate (even more) the “Ideologues”
- Identify them, contact them, hold hands, etc.
- Folks don’t like change and have their favorite taxa
- Get buy-in from external jurisdictions
- Line your experts up early (unpaid work!)



# Current PPL Update

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- Proposed changes
  - Addition of 8 species to Nuisance Plants List, incl. **2 tree species**
  - Reassessment & update of Nuisance Plants List ranking for 3 species
  - Removal of 16 species from Native Plants List
  - 86 nomenclatural updates and or corrections
  - Movement of South Waterfront Subdistrict Plant List from Title 33 to PPL (pending City Council action)
  - Next steps....





# Thanks!

- Observations and further questions?
- **Dominic Maze**  
dominic.maze@portland  
oregon.gov

# Current PPL Update

