

Location: Apron; 42.94456, -123.0134



Apron Overview, 2010



Apron, 2010; *R. armeniacus* (top), *R. praecox*



Apron, 2014; *R. praecox* (1)



Apron, 2014; *R. praecox* (2)



Apron, 2010; *R. praecox*



Apron Overview, 2014

Location: Rest Area, Southbound Interstate 5 near Creswell; 43.8529, -123.0208
2014



R. praecox flowers and young fruit



R. praecox inflorescence



(Both photos): *R. praecox* inflorescence



(Both photos): *R. praecox* leaf



Elk River 2009: 42.77114, -124.4611



(Left photo) overview and (Right photo) close-up: *R. armeniacus* on gravel bar; healthy (l) and *R. praecox*, diseased (r).



R. armeniacus leaves (l) and pink flower (r), from gravel bar.



R. armeniacus inflorescence with pink flower, straight prickles (l); diseased *R. praecox* (r)

Elk River 2009, continued



(Both photos): *R. praecox* leaves heavily diseased by *Phragmidium violaceum*



Diseased leaflets of *R. praecox* from the gravel bar.

Elk River 2014



(Left photo): *R. armeniicus* (l) and diseased *R. praecox* (r); (Right photo): leaf of *R. armeniicus*.



(Both photos): diseased *R. praecox*



(Left photo): rust pustules on flower buds of *R. praecox*. (Right): white flowers of *R. praecox*.

Elk River 2014, continued



(Both photos): diseased leaves of *R. praecox*



(Left Photo): Diseased leaf of *R. praecox*; (right photo): leaves and flowers of *R. praecox*.

Location: Fall Creek, 2013; 43.95699, -122.7556

Rubus armeniacus and *R. praecox*



R. armeniacus leaves



R. armeniacus single leaf, 14 mm pen standard.



R. armeniacus flower



R. praecox flower



(Both photos): *R. praecox* leaves

Fall Creek: *Rubus praecox* (continued)



R. praecox leaf



R. praecox inflorescence (note curved prickles)



(Both photos): *R. praecox* inflorescences (note curved prickles)



(Both photos): *R. praecox* single leaves, 14 mm pen standard.

Location: Interstate 5 at Rt. 34 interchange 2010, 2013, 2014; 44.55613, -123.0643
Rubus armeniacus and *R. praecox*



Overview, 2010



Rubus armeniacus cane, 2010



R. armeniacus leaf, 2010



R. armeniacus inflorescence, 2013



R. armeniacus leaf, 2013



R. armeniacus flower and buds, 2013

Location: Interstate 5 at Rt. 34, continued (2)



Rubus praecox leaf, 2013



R. praecox flower and prickles, 2013



Overview, 2014; *R. armen* (l), *R. praecox* (r)



R. armeniacus inflorescence, 2014



R. armeniacus inflorescence, 2014



R. armeniacus flower, 2014

Location: Interstate 5 at Rt. 34, continued (3)



Rubus armeniacus leaf, 2014



R. praecox leaf, 2014



R. praecox inflorescence, 2014



R. praecox leaf and inflorescence, 2014

Location: Langlois Market 2014; 42.92815, -124.4502
Rubus praecox and *R. vestitus*



R. praecox flowers



R. praecox leaves



R. praecox leaf



R. vestitus flowers



(Both photos): *R. vestitus* inflorescence



Location: Lincoln City 2014; 44.99874, -123.9926
Rubus armeniacus



(Both photos): *R. armeniacus* inflorescence



(Both photos): *R. armeniacus* inflorescence



R. armeniacus inflorescence



R. armeniacus leaf

Location: Lincoln City 2014; 44.99874, -123.9926
Rubus praecox



R. praecox inflorescence



(Both photos): *R. praecox* leaf



Location: Glide 2014; 43.30228, -123.119



Rubus praecox leaf



R. praecox flower



R. praecox inflorescence

Location: Rt. 38, Pullout E of Reedsport 2010 and 2014; 43.69431, -124.0699



(Both photos): *Rubus praecox*, leaves; 2010



Rubus armeniacus inflorescence; 2014



Rubus praecox inflorescence; 2014



Rubus praecox inflorescence; 2014

Location: Heritage Hill 2014; 44.89644, -122.9183



Rubus armeniacus leaf.



R. armeniacus inflorescence and flower



R. praecox leaves



R. praecox inflorescence and leaves



R. praecox inflorescence

Location: Ashland 2010; 42.17429, -122.6697



Overview of thicket of *Rubus armeniacus*



Leaves of *R. armeniacus*

Location: Drain 2010; 43.64072, -123.2997



R. armeniacus leaf

Location: Portland Women's Forum 2013; 45.53421, -122.2608



Leaves of *Rubus praecox*



R. praecox leaf with 14 mm pen



R. praecox inflorescence

Location: Monroe Park, North Thicket 2013; 44.31303, -123.2952
Rubus praecox



Rubus praecox flowers and leaf



R. praecox leaf



R. praecox leaf



R. praecox inflorescence and leaf



Rubus praecox flowers



Rubus praecox flowers and leaf

Location: Monroe Park, West Thicket 2013; 44.31296, -123.2956
Rubus armeniacus



(Both photos): *R. armeniacus* leaves



R. armeniacus leaves



R. armeniacus inflorescence



(Both photos): *R. armeniacus* flowers

Location: Monroe Park, West Thicket 2013, *Rubus armeniacus* (continued)



Rubus armeniacus flower



R. armeniacus inflorescence



R. armeniacus inflorescence

Location: Oak Knoll Public Golf Course, Salem; 44.9336, -123.1631
2013



View of entrance



Rubus armeniacus (background, *R. praecox*)



R. praecox



R. vestitus

Location: Oak Knoll Public Golf Course, Salem; 44.9336, -123.1631
2014



Rubus praecox inflorescence



R. praecox leaf



R. praecox young fruit cluster



R. armeniacus leaf



R. praecox leaf