

CITY OF NAPA

PUBLIC WORKS DEPARTMENT

BIORETENTION FACILITY PLANT MATRIX

DRAWN BY: BRL  
 DATE: 06/2018  
 SCALE: NONE  
 FIELD NOTES:

CHECKED BY: TCW  
 APPROVED BY: JRL  
 DRAWING NO. SWQ-161B

Scientific name	Common name	Light Preference			Size (feet)			Watering			Tolerances				High Performers		CA Native	Notes
		Sun	Part	Shade	Ht.	Width	L	M	H	Summer	Heat	Coast	Wind	Zone 1	Zone 2	Best for irrigated sites		
<i>Physocarpus opulifolius</i>	specific ninesilk	✓	✓	✓	8	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Part shade and summer water required in hot locations
<i>Rhamnus californica</i>	California coffeeberry	✓	✓	✓	12	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	'Eve Chase' is compact with broad foliage. Syn. <i>Frangula californica</i>
<i>Rhamnus crocea</i>	robbery	✓	✓	✓	5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Pea sized fruits attract birds, stain concrete
<i>Rhododendron occidentale</i>	western azalea	✓	✓	✓	8	8	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Summer deciduous
<i>Ribes aureum gracillimum</i>	golden currant	✓	✓	✓	4	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Easy, fall color, deciduous
<i>Ribes divaricatum</i>	coast black gooseberry	✓	✓	✓	5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Thorny, good for discouraging entry, deciduous
<i>Ribes sanguineum</i>	red flowering currant	✓	✓	✓	5	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Neeses good movement to avoid white fly, more drought tolerant at coast
<i>Ribes speciosum</i>	fuchsia-flowered gooseberry	✓	✓	✓	4	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Prefers only light summer water after 2nd year, shrubs deciduous
<i>Rosa californica</i>	California wild rose	✓	✓	✓	3	6	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Hooked thorns, good for discouraging entry, shade in interior, sun at coast
<i>Rosa gymnocarpa</i>	wood rose	✓	✓	✓	2	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Easy to grow, thorny
<i>Rubus parviflorus</i>	thimbleberry	✓	✓	✓	8	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Spreads readily in wet areas, prefers regular water
<i>Rubus spectabilis</i>	salmoberry	✓	✓	✓	8	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	deciduous, soft spiny stems
<i>Rubus ursinus</i>	California blackberry	✓	✓	✓	3	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Thorny, good for discouraging entry. Harbors beneficial insects
<i>Symphoricarpos albus</i>	common snowberry	✓	✓	✓	4	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Adaptable to many conditions, by <i>Symphoricarpos mollis</i> at coast
<i>Whipplea modesta</i>	whipplevine	✓	✓	✓	0.5	3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Best for moist shady spots near coast
<i>Acer circratum</i>	wine maple	✓	✓	✓	20	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	In wide riparian areas, top of slopes. Avoid hot inland climates and coastal conditions/shall spray.
<i>Baccharis viminea</i>	seep-willow	✓	✓	✓	8	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Important plant for butterflies and beneficial insects
<i>Chilopsis linearis</i>	desert-willow	✓	✓	✓	15	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Does best inland
<i>Corylus cornuta v. californica</i>	California hazel	✓	✓	✓	10	10	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Deciduous, edible nut
<i>Fraxinus dipetala</i>	coast siltassal	✓	✓	✓	20	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	deciduous, slow to establish, then fast
<i>Garrya elliptica</i>	bayonet	✓	✓	✓	12	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Winter blooms. Ever is compact variety. Best at coast. Afternoon shade inland, deer resistant.
<i>Heteromeles ahtutifolia</i>	toyon	✓	✓	✓	8	5	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Doesn't respond well to pruning low branches, no summer water at coast
<i>Laurus nobilis 'Saratoga'</i>	Grecian bay	✓	✓	✓	20	20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Slowly standard and pruned for tree form, easy
<i>Myrica californica</i>	Pacific wax myrtle	✓	✓	✓	25	12	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Best at coast
<i>Sambucus mexicana</i>	elderberry	✓	✓	✓	20	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Deciduous, edible fruit, attracts bees and birds, upright foliage are poisonous but useful and common landscape plant
<i>Acer negundo</i>	box elder	✓	✓	✓	35	35	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Tough shade tree, deciduous
<i>Fraxinus latifolia</i>	Oregon ash	✓	✓	✓	70	40	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Plant in moist areas with rich soil
<i>Fraxinus velutina</i>	velvet ash	✓	✓	✓	30	45	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Withstands poor drainage and drought
<i>Platanus eugenoides</i>	tarata	✓	✓	✓	40	15	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Shear to control height
<i>Platanus acerifolia</i>	London plane tree	✓	✓	✓	80	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Large tree, aggressive roots will lift pavement
<i>Platanus racemosa</i>	California sycamore	✓	✓	✓	80	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Asymmetrical shape and wide trunk when mature. Give lots of room.
<i>Populus fremontii</i>	cottonwood	✓	✓	✓	80	30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Riparian species with limited drought tolerance. Aggressive roots will lift pavement. Give lots of room.
<i>Quercus agrifolia</i>	coast live oak	✓	✓	✓	60	60	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Large evergreen tree, tolerant and widespread, important for wildlife, no summer water
<i>Vitis californica</i>	California grape	✓	✓	✓	10	1-3	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	Climbing vine. Best in full sun. Can be aggressive in moist area.