

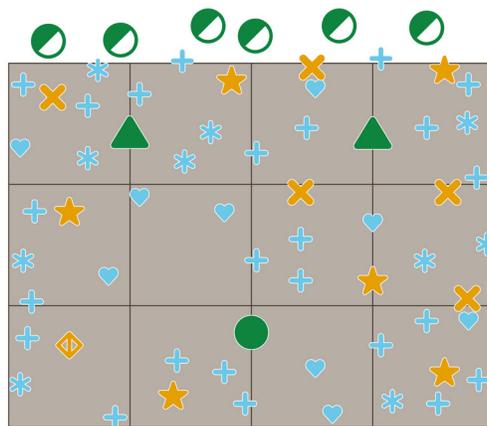
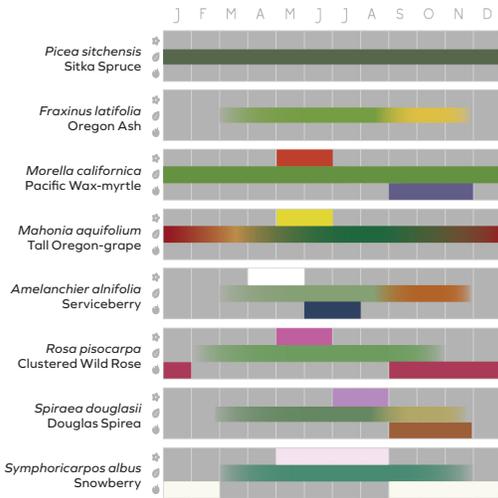
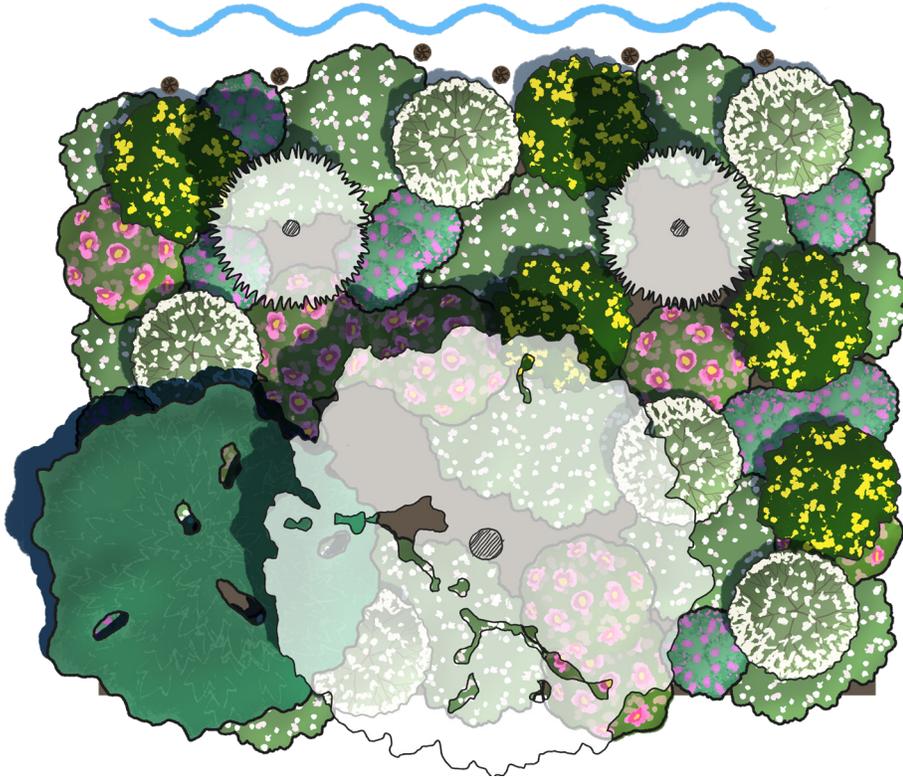
Riparian Block Template

Densely spaced - 20'x15' - 8-10 years

Reason: Water-quality protection & riparian buffer

Key Plant Characteristics: Foliage at lower & ground levels, Shade-providing, Soil-binding/erosion-control properties, Thick-et-forming

Spacing / Plant #: Mixed height, high density

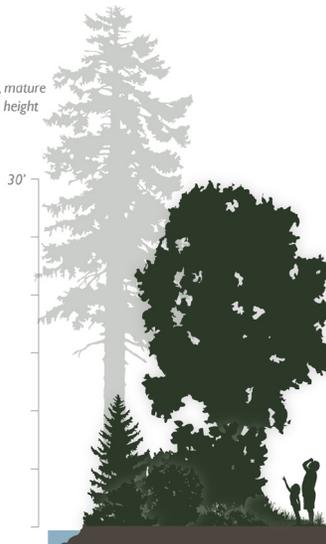


Notes:

Planting taller trees on the stream side of your hedgerow won't make a clear difference initially, but the shade those plants will provide to the stream will help regulate the summer water temperature, critical for salmon and other aquatic creatures. Warm water holds less oxygen and increases the metabolic rates of aquatic organisms.

Willow stakes are especially useful for growing quickly to prevent erosion on the slopes & providing shade over the waterway. Dense roots of plants chosen here prevent erosion and provide additional habitat.

Future, mature spruce height



Trees

- 2 ▲ *Picea sitchensis*
Sitka Spruce
Evergreen tree
- 1 ● *Fraxinus latifolia*
Oregon Ash
Deciduous tree
- 6 ○ *Salix sitchensis*
Sitka Willow
(Live stakes*)
Deciduous tree

Recommended alternatives

Pseudotsuga menziesii - Douglas-fir
Abies grandis - Grand Fir
Salix spp. - Willow species
Crataegus douglasii - Black Hawthorn
Frangula purshiana - Cascara
Alnus rubra - Red Alder
Prunus emarginata - Bitter Cherry
Malus fusca - Pacific Crabapple

Large Shrubs

- 1 ◆ *Morella californica*
Pacific Wax-myrtle
Evergreen shrub
- 5 ✕ *Mahonia aquifolium*
Tall Oregon-grape
Evergreen shrub
- 6 ★ *Amelanchier alnifolia*
Serviceberry
Deciduous shrub

Recommended alternatives

Cornus sericea ssp. *occidentalis* - Red-osier Dogwood
Physocarpus capitatus - Pacific Ninebark
Lonicera involucrata - Black Twinberry
Corylus cornuta - Beaked Hazel

Medium/low Shrubs

- 10 ♥ *Rosa nutkana* / *R. pisocarpa*
Nootka or Clustered Wild Rose
(Based on soil conditions)
Deciduous shrub
- 10 ✱ *Spiraea douglasii*
Douglas Spirea
Deciduous shrub
- 25 + *Symphoricarpos albus*
Snowberry
Deciduous shrub