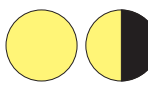


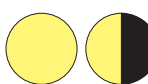


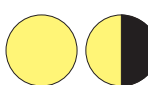




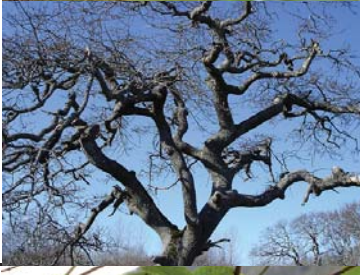






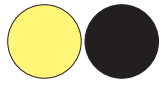


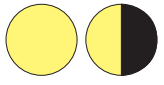


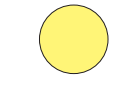





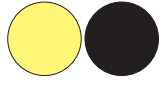


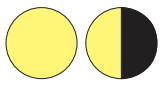







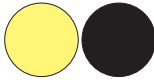



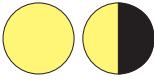



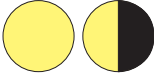



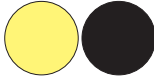




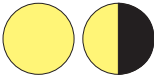



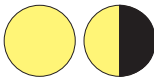





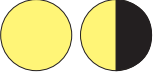


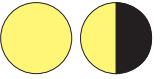








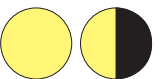




Farms											
Latin Name/ Common Name	Height at 20 Years	Spread at 20 Years	Sun and Shade Suitability	Suitability for Berm Planting	Suitability for Top of Bank Planting	Wildlife Value: Forage and Cover	Blackberry Competition by Shade (SH) or Space (SP) *Highly Effective	Seed Plant or Bulb	Plant Characteristics	Planting and Maintenance Notes	Photos
Trees										All trees to be planted away from bank, 8 to 10 feet	
<i>Acer macrophyllum</i> / Bigleaf maple	30'- 90'	25'- 75'			✓	Forage and Cover (esp. birds)	SH**		Beautiful yellow, orange, and red leaves in fall. Has a broad spreading canopy, with leaves 8"- 12" wide. Trunks are generally short and stout.	Vigorous grower. Good for seasonally wet or seasonally dry soils.	
<i>Alnus rubra</i> / Red alder	40'- 100'	40'			✓	Forage (esp. Song and game birds) and Cover	SH		Red alders have smooth grey bark. Leaves turn yellow in autumn.	Fast growing. Short lived (approx. 50 years). Good for seasonally wet soils. Alders are early colonizing species. They establish well on disturbed sites.	
<i>Fraxinus latifolia</i> / Oregon ash	40'- 75'	25'			✓	Forage (esp. Hummingbirds and birds) and Cover	SH		Symmetrical tree shape. Common native often used as an ornamental tree. Wood used for fuel.	Fast growing for first third of life span and long lived. Good for seasonally wet soils. This species is often found growing in dense stands.	
<i>Quercus garryana</i> / Oregon white oak	25'- 65'	45'			✓	Forage and Cover (esp. Birds and small mammals)			Edible acorn production. Open, spreading growth form in full sun. Excellent shade tree.	Very long lived. Loves open, dry sites. Generally grows slowly in height and diameter.	
<i>Rhamnus purshiana</i> / Cascara	20'- 30'	25'			✓	Forage and Cover (esp. Song and game birds)			Bark is brownish to sliver-grey with light splotches or blisters. Medicinal.	Good for seasonally wet soils. Typically grown as an understory species or in a shady area.	

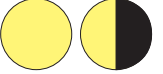










Farms											
Latin Name/ Common Name	Height at 20 Years	Spread at 20 Years	Sun and Shade Suitability	Suitability for Berm Planting	Suitability for Top of Bank Planting	Wildlife Value: Forage and Cover	Blackberry Competition by Shade (SH) or Space (SP) *Highly Effective	Seed Plant or Bulb   	Plant Characteristics	Planting and Maintenance Notes	Photos
Shrubs											
<i>Acer circinatum</i> / Vine maple	15'- 20'	3'- 20'			✓	Forage (esp. Birds)			Beautiful yellow, orange, and red fall color.	Good for seasonally wet soils.	
<i>Amelanchier alnifolia</i> / Serviceberry	4'- 12'	6'- 12'		✓	✓	Forage (esp. Song and game birds)			Loaded with beautiful compact clusters of white flowers. Early spring bloomer. Leave have yellow color in fall.	Good for seasonally dry soils.	
<i>Cornus sericea</i> / Redosier dogwood	6'- 18'	6'- 10'		✓	✓				Beautiful red stems provide winter interest in garden. Clusters of white flowers bloom from May through July. Stems are often used in floral arrangements.	Good for seasonally wet soil. Needs moist to wet soil. Very fast growing. Spreads by rhizome, underground root system, and may form thickets. Pruning stems to ground will stimulate new growth.	
<i>Gaultheria shallon</i> / Salal	1.5'- 5'	1'- 3'		✓	✓	Forage (esp. Birds)			Great low-growing shrub.	Good for seasonally dry soil. The more sun, the less the plant will spread. Does best with some moisture and part shade. Deer, rabbit, and snail resistant.	
<i>Holodiscus discolor</i> / Ocean spray	5'- 9'	3'- 6'		✓	✓	Forage (esp. Birds, butterflies, and deer)	SP		Large cream-colored, fragrant flower clusters from May through July. Excellent border plant.	Good for seasonally dry soil.	
<i>Mahonia aquifolium</i> / Tall Oregon Grape	8'- 10'	4'- 5'		✓	✓	Forage (esp. Songbirds)	SP		Evergreen leaves. Yellow flower clusters. Fruit is purple when ripe. Edible, but not sweet.	Good for seasonally dry soil.	

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<i>Oemleria cerasiformis/ Indian plum</i>	8'- 15'	Varies			✓	Forage (esp. Birds)				Clusters of greenish white flowers that bloom in early spring. Berries are bluish black.	Fast growing. Good for seasonally wet or dry soils. Large and dense growth form under shade or open and sprawling form in sun.	
<i>Physocarpus capitatus/ Pacific ninebark</i>	6'- 12'	6'- 8'			✓					Deciduous.	Prefers moist to seasonally wet soils.	
<i>Ribes sanguineum/ Red flowering currant</i>	3'- 9'	5'- 9'		✓	✓	Forage (esp. Hummingbirds, birds, and butterflies)	SP			Beautiful showy red clusters of flowers.	Good for seasonally dry soils.	
<i>Rosa nutkana</i> var. <i>nutkana/ Nootka rose</i>	4'- 10'	3'- 5'		✓	✓	Forage (esp. Birds)	SP**			Bright pink flowers May through June. Rose hips are purplish-red in fall. Medicinal.	Fast growing. Good for seasonally wet or seasonally dry soils.	
<i>Rubus parviflorus/ Thimbleberry</i>	3'- 6'	3'		✓	✓	Forage and Cover		 		Large leaves emerge in Spring. Flowers are large, papery, and white. Edible red berries look like raspberries.	Medium growth rate. Tolerates dry to seasonally wet soil. Spreads through rhizomes.	
<i>Salix sitchensis/ Sitka willow</i>	6'- 25'	10'			✓	Forage and Cover (esp. Birds, butterflies, and bees)	SP*			Bark is grey and smooth. This species is a shrub or small tree. New twig growth is shiny green on top. Medicinal.	Fast grower, but does not spread rapidly. Commonly used for bank stabilization. Can also be propagated by hardwood cuttings.	

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<i>Spiraea douglasii</i> / Douglas spiraea	3-4'	6'		✓	✓	Forage and Cover			Large clusters of tiny pinkish red flowers. Flower plumes dry and remain on plant through winter.	Fast growing. Prefers moist to wet soils. Will tolerate dry soils once established, but will do best on moist or boggy sites. Needs regular water during establishment. Can form thickets in boggy areas.		
<i>Symphoricarpus albus</i> / Common snowberry	5'- 6'	3'- 6'		✓	✓	Forage	SP**		White to pink bell-shaped flowers. White waxy, non-edible fruit.	Good for seasonally wet or seasonally dry soils. If pruned to ground in early spring, plant will resprout vigorously with more fruit.		

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Forbs/Groundcovers									All trees to be planted away from bank, 8 to 10 feet	
<i>Camassia leichtlinii</i> / Leichtlin's camas	3'-4'		✓	✓	Forage			White, blue, or violet clusters of 2"- 3" flowers. Star-shaped flowers bloom from mid to late spring. Five to many flowers bloom on single stock, with 1- 3 flowers open at one time.	Good for seasonally wet soil. Prefers moist or wet soil in winter and fairly dry soil in summers. Good to plant in sunny spot near deciduous trees, where plants have the opportunity to leaf out and bloom before being shaded out.	
<i>Hydrophyllum tenuipes</i> / Pacific waterleaf	1'- 3'		✓	✓	Forage			Greenish-white to lavender clusters of flowers that bloom from mid summer to early spring. Beautiful in spring but fades in summer.	Does well in moist soils. Needs soil high in organic matter. Spreads well. Plant with other species that will retain summer aesthetic appeal.	
<i>Iris tenax</i> / Oregon iris	4"- 20"		✓	✓	Forage			Small, beautiful native iris usually blue or purple, but may be pink, yellow, or white. Flowers bloom from mid-spring to early summer. Leaves are dense and tough and form a grass-like clump.	Prefers moist soil. Plant with other low-growing plants. Work well in perennial border, meadows, or other open areas. Bulb is actually a corm or rhizome.	
<i>Lupinus albicaulis</i> / Pine or Sickle-keeled lupine	2.5'- 5'		✓	✓	Forage and Cover	SP, SH		Showy purple, yellow, or whitish spikes of pleasant scented flowers. Palmately, compound leaves that have 9 elliptic leaflets.	Rapid growth rate. Short-lived. Used to stabilize eroding, droughty, steep, low-fertility slopes. Deep tap roots. Good for seasonally dry soil.	
<i>Lupinus polycarpus</i> ( <i>micranthus</i> )/ Field lupine	4"- 24"		✓	✓	Forage			Blue to purple and white flowers. Bloom occurs from early to late summer. Palmately compound leaves.	Good for seasonally dry soil.	

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<i>Prunella vulgaris</i> var <i>lanceolata</i> / Heal-all	4"-16"			✓	Forage			White, blue, or purple pea-like flowers that bloom in short spikes. Blooming occurs from late spring to early fall.	Good for seasonally dry soil. Does well in moist to dry soil. This species spreads aggressively and can be used as a lawn substitute. It is good for neglected areas, near impervious surfaces, or along garden edges. Seeds need to be cold stratified before spring germination.	
<i>Sidalcea campestris</i> / Meadow checkermallow	2'- 6'		✓	✓	Forage		 	Beautiful white to pale-pink flowers bloom on tall, hairy plant stems. Flowers bloom from late spring to mid summer. Leaf blades are palmate and are smaller as they travel up the stem.	Prefers moist to dry, well-drained soil.	
Ferns										
<i>Athyrium filix-femina</i> / Lady fern	2'- 4'		✓	✓	Forage			Lovely light to medium green fronds that are two to three times pinnately compound. Deciduous fern.	Good for seasonally wet soils. Needs wet to moist soil. Fronds die back in cold weather. Often spreads after it is established.	
<i>Dryoptera arguta</i> / Spreading wood fern	2'- 3'		✓	✓	Forage			Large, lacy woodland fern with evergreen fronds. Leaves are triangular in shape and are three times pinnately compound.	Plants do well in moist woodland gardens, but are good for seasonally dry soil.	
<i>Polystichum munitum</i> / Sword fern	2'- 5'		✓	✓	Forage			Common Oregon fern. Lance-shaped evergreen fronds arise from the crown in clusters.	Tolerates moist soil. Good for seasonally dry soil. This plant tolerates full sun, but looks best when it has at least partial shade. Will reproduce from spores.	

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<i>Pteridian aquilinum</i> / Bracken fern	1'-6'		✓	✓	Forage			Large deciduous fern with triangular fronds. The leaf blades are two to three times pinnate. Adds a lacy texture to garden or landscape.	Tolerates moist to wet soil. Good for seasonally dry soil. Can be aggressive and form dense colonies.	
<b>Grasses, Sedges, and Rushes</b>										
<i>Elymus glaucus</i> / Blue wildrye	2' - 4'		✓	✓	Forage and Cover			Perennial bunch grass that grows in small, narrow tufts.	Tolerates moist to dry soil.	
<i>Elymus trachycaulus</i> / Slender wheatgrass	2' - 2.5'		✓	✓	Forage and Cover			Slender, erect, tufted, bunchgrass.	Tolerates moist to dry soil. Short lived, but a vigorous seeder. Dense root system. Commonly used for rehabilitation of disturbed sites.	
<i>Festuca roemerii</i> / Roemers fescue	10"- 40"		✓	✓	Forage and Cover			Short, fine textured, tufted bunchgrass. Colors can range from a wide spectrum of greens and blues. Stem color can range from light green to dark purple.	Tolerates dry soils. Grassland and rocky site species. Non-aggressive species.	