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Planting Matrix for Ramsey Lake Site

L.C. Lee & Associates, Inc., November 9, 1994

Species	Native	# Area on Map*	Strata	USFWS Status	Function	Maturity
<i>Acer macrophyllum</i> , Big Leaf Maple	Yes	1, 2	Overstory (Tree)	FACU	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	10 years
<i>Alnus rubra</i> , Red Alder	Yes	1, 2, 3	Overstory (Tree)	FAC	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood, nitrogen fixing	6-8 years
<i>Cornus nuttallii</i> , Pacific Dogwood	Yes	1, 2	Overstory (Tree)	NL	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	10-12 years
<i>Fraxinus latifolia</i> Oregon Ash	Yes	1, 2	Overstory (Tree)	FACW	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	30 years
<i>Picea Sitchensis</i> , Sitka Spruce	Yes	1, 2, 4	Overstory (Tree)	FAC	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	20-40 years
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<i>Pinus ponderosa</i> , Ponderosa Pine	Yes	1	Overstory (Tree)	FACU-	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	15 years
<i>Populus trichocarpa</i> , Black Cottonwood	Yes	2, 4	Overstory (Tree)	FAC	Vertical structure & cover, soil stabilization, rapid colonization, litter fall & potential source of standing & downed wood	8 years
<i>Pseudotsuga menziesii</i> , Douglas Fir	Yes	1, 2, 4	Overstory (Tree)	NL	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	12-15 years
<i>Pyrus fusca</i> , Pacific Crabapple	Yes	1, 2, 3	Overstory (Tree)	FAC+	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	15 years
<i>Rhamnus purshiana</i> , Cascara	yes	2	Overstory (Tree)	FAC-	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	15 years
<i>Salix scouleriana</i> , Scouler's Willow	Yes	1, 2, 3, 4	Overstory (Tree)	FAC	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	3-5 years

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<i>Thuja plicata</i> , Western red cedar	Yes	1, 2, 4	Overstory (Tree)	FAC	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	10 years
<i>Tsuga heterophylla</i> , Western Hemlock	Yes	1, 2, 4	Overstory (Tree)	FACU	Vertical structure & cover, soil stabilization, wildlife habitat & food supply, litter fall & potential source of standing & downed wood	20-35 years
<i>Acer circinatum</i> , Vine Maple	Yes	1	Shrub	FACU+	Understory structure & cover, soil stabilization, wildlife habitat & food supply	10 years
<i>Berberis aquifolium</i> , Tall Oregon Grape	Yes	1, 4	Shrub	NL	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Cornus stolonifera</i> , Red- osier Dogwood	Yes	1, 2, 3	Shrub	FACW	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Corylus cornuta</i> , Western Hazelnut	Yes	1, 2	Shrub	UPL	Understory structure & cover, soil stabilization, wildlife habitat & food supply	10-12 years
<i>Crataegus douglasii</i> , Black Hawthorne	Yes	1, 2, 3	Shrub	FAC	Understory structure & cover, soil stabilization, wildlife habitat & food supply	10 years
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<i>Gaultheria shallon</i> , Salal	Yes	1, 4	Shrub	NL	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Oemleria cerasiformis</i> , Indian Plum	Yes	1	Shrub	NL	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Physocarpus capitatus</i> , Pacific Ninebark	Yes	1, 2, 3	Shrub	FAC+	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Ribes sanguineum</i> , Red Currant	Yes	1, 2, 4	Shrub	NL	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Rosa pisocarpa</i> , Clustered Rose	Yes	1, 2	Shrub	FACU	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Rubus parviflorus</i> , Thimbleberry	Yes	1	Shrub	FACU+	Understory structure & cover, soil stabilization, wildlife habitat & food supply	2 years
<i>Rubus spectabilis</i> , Salmonberry	Yes	2	Shrub	FAC	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Salix sitchensis</i> , Sitka Willow	Yes	2, 3	Shrub	FACW	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Sambucus cerulea</i> , Blue Elderberry	Yes	1, 2, 3, 4	Shrub	FACU	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years

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<i>Sambucus racemosa</i> , Red Elderberry	Yes	1, 2, 3	Shrub	FACU	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Spiraea douglasii</i> , Hardhack	Yes	2, 3	Shrub	FACW	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Arctostaphylos uva-ursi</i> , Bearberry	Yes	1	Sub Shrub	FACU-	Soil stabilization, wildlife habitat & food supply	3-5 years
<i>Rubus ursinus</i> , Trailing Blackberry	Yes	2	Vine	NI	Understory structure & cover, soil stabilization, wildlife habitat & food supply	3-5 years
<i>Carex aperta</i> , Columbia sedge	Yes	3	Perennial Graminoid	FACW	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Carex obnupta</i> , Slough Sedge	Yes	1, 2, 3	Perennial Graminoid	OBL	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Deschampsia cespitosa</i> , Deschampsia	Yes	3	Perennial Graminoid	FACW	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Eleocharis sp.</i> , Spike Rush	Yes	1	Perennial Graminoid	OBL	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Festuca rubra</i> , Red Fescue	Yes	3	Perennial Graminoid	FAC	Soil stabilization	1-2 years
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<i>Juncus effusus</i> , Soft Rush	Yes	1, 3	Perennial Graminoid	FACW+	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Scirpus acutus</i> , Hardstem Bulrush	Yes	1, 3	Perennial Graminoid	OBL	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Scirpus microcarpus</i> , Small-fruited Bulrush	Yes	1, 3	Perennial Graminoid	OBL	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Alisma plantago- aquatica</i> , Water Plantain	Yes	1, 3	Under growth (forbs, ferns, fern allies)	OBL	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Athyrium filix- femina</i> , Lady Fern	Yes	1, 2	Under- growth (forbs, ferns, fern allies)	FAC	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Oenanthe sarmentosa</i> , Water Parsley	Yes	1, 2	Under- growth (forbs, ferns, fern allies)	OBL	Soil stabilization, wildlife habitat & food supply	1-2 years

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<i>Polygonum sp.</i> , Smartweed	Yes	1, 2, 3	Under- growth (forbs, ferns, fern allies)	varies	Soil stabilization, wildlife habitat & food supply	1-2 years
<i>Polystichum munitum</i> , Sword Fern	Yes	1	Under- growth (forbs, ferns, fern allies)	NL	Soil stabilization, wildlife habitat & food supply	1-2 years