

Table 5-4: Attributes of Suitable and Available Species

TRPA APPROVED PLANT SPECIES ATTRIBUTES TABLE ¹														
Scientific Name ^{2,3}	Common Name	Growth Form ⁴	Mature Height (feet)	Nitrogen Fixation	Drought Tolerance ⁵	Saturation Tolerance ⁵	Shade Tolerance ⁵	Lifespan ⁵	Fire Hazard	Seed (Bulk per Pound)	Germination (% Typical)	Purity (% Typical)	Plant Material Type ⁶	Notes
Grasses, Rushes, and Sedges														
<i>Achnatherum lemmonii</i>	Lemmon's needlegrass	G - B	2	No	High	None	Intolerant	Long	-	95,000	-	-	S	
<i>Achnatherum occidentale</i>	western needlegrass	G - B	2	No	High	None	Intermed.	-	-	285,000	72	80	S	
<i>Agropyron desertorum</i> 'Nordan'	crested wheatgrass 'Nordan'	G - B	2	No	High	None	Intolerant	Long	-	194,120	80	95	S	
<i>Agrostis exarata</i>	spike bentgrass	G - R	3	No	Low	Med.	Intolerant	Mod.	Low	5,600,000	-	-	S	
<i>Bromus carinatus</i>	California brome	G - B	4	No	Med.	None	Intolerant	Short	Low	106,680	88	98	S	
<i>Bromus marginatus</i>	mountain brome	G - R	4	No	Med.	Low	Intolerant	Long	-	142,880	-	-	S	Synonym: <i>Bromus carinatus</i> var. <i>marginatus</i>
<i>Calamagrostis canadensis</i>	bluejoint	G - R	4.9	No	Low	High	Intolerant	Long	-	3,837,472	65	-	S, Sp	Seed purity can be low.
<i>Carex praegracilis</i>	slender sedge	G - R	2	No	Low	High	Intermed.	Long	-	-	90	95	S	
<i>Danthonia californica</i>	California oatgrass	G - MS	2	No	Med.	None	Intolerant	Short	-	90,000-165,000	93	97	S	
<i>Deschampsia caespitosa</i>	tufted hairgrass	G - B	3.4	No	Low	High	Intolerant	Long	Low	1,308,333	94	98	S	
<i>Deschampsia elongata</i>	slender hairgrass	G - B	3	No	Med.	Med.	Intolerant	Short	-	1,860,000	70	56	S	
<i>Elymus elymoides</i>	squirreltail	G - B	1.5	No	High	None	Intolerant	Long	Low	192,000	85	96	S	Seed lots often "weedy"
<i>Elymus glaucus</i>	blue wildrye	G - B	3.3	No	High	High	Tolerant	Mod.	Low	134,500	92	98	S	
<i>Elymus trachycaulus</i>	slender wheatgrass	G - B	3	No	High	Low	Intolerant	Mod.	Low	135,000	95	96	S	Attributes apply to the species, including <i>Elymus trachycaulus</i> 'Revenue' and <i>Elymus trachycaulus</i> ssp. <i>trachycaulus</i> .
<i>Festuca brevipila</i>	hard fescue	G - B	0.5	No	High	None	Intolerant	Mod.	Low	591,920	-	-	S	
<i>Festuca ovina</i> 'Covar'	Covar' sheep fescue	G - B	0.5	No	High	None	Intolerant	Long	Low	530,320	95	98	S	
<i>Festuca rubra</i>	red fescue	G - R	2	No	Med.	None	Tolerant	Long	Low	454,087	80	98	S, So	
<i>Festuca rubra</i> ssp. <i>arenaria</i>	'Boreal' creeping red fescue	G - B	3	No	Med.	Low	Tolerant	-	Low	-	-	-	S	
<i>Glyceria striata</i>	fowl mannagrass	G - B	5.7	No	Low	High	Tolerant	Short	-	-	85	-	Sp	
<i>Hordeum brachyantherum</i>	meadow barley	G - B	2	No	Med.	High	Intolerant	Mod.	-	30,000	92	93	S	
<i>Hordeum brachyantherum</i> ssp. <i>californicum</i>	California barley	G - B	1.6	No	Med.	None	Intolerant	Short	-	30,000	-	-	S	Attributes vary with geographic origin of seed
<i>Juncus arcticus</i> ssp. <i>littoralis</i>	mountain rush	G - R	4	No	Low	High	Intermed.	Long	-	3,000,000	60	95	Cnt, Ct, S	Synonym: <i>Juncus balticus</i>
<i>Juncus effusus</i>	common rush	G - B	6.6	No	Med.	Med.	Intolerant	Long	-	45,359,242	70	95	Cnt, Ct, S	
<i>Leymus triticoides</i>	beardless wildrye	G - R	3	No	High	High	Intolerant	Long	-	170,304	90	95	S, Sp	
<i>Melica californica</i>	California oniongrass	G - B	4	No	Med.	Low	Intermed.	Short	-	300,000	74	90	S	
<i>Phalaris arundinacea</i>	reed canarygrass	G - R	5	No	Low	High	Intolerant	Long	-	537,920	80	-	S, Sp	
<i>Phleum alpinum</i>	Alpine timothy	H - B	1.4	No	Low	Low	Intermed.	Mod.	Low	1,044,689	24	-	S	

TRPA APPROVED PLANT SPECIES ATTRIBUTES TABLE¹

Scientific Name ^{2,3}	Common Name	Growth Form ⁴	Mature Height (feet)	Nitrogen Fixation	Drought Tolerance ⁵	Saturation Tolerance ⁵	Shade Tolerance ⁵	Lifespan ⁵	Fire Hazard	Seed (Bulk per Pound)	Germination (% Typical)	Purity (% Typical)	Plant Material Type ⁶	Notes
<i>Poa ampla</i> 'Sherman'	'Sherman' big bluegrass	G - B	3	No	High	None	Intermed.	Long	Low	1,046,960	84	97	S	
<i>Poa secunda</i>	Sandberg bluegrass	G - B	1.4	No	High	None	Intermed.	Mod.	-	1,046,960	76	90	S	
<i>Thinopyrum intermedium</i>	intermediate wheatgrass	G - R	4	No	Med.	Low	Intolerant	Mod.	Low	80,080	90	98	S	Synonym: <i>Elytrigia intermedia</i> ; attributes apply to the species including <i>T. intermedium</i> "Greenar" and <i>T. intermedium</i> 'Oahe'
Forbs														
<i>Achillea millefolium</i>	common yarrow	H - R	3	No	Med.	None	Intermed.	Mod.	Low	2,852,012	98	85	Cnt, S, Sp	Small amounts of seed can be used (i.e., a low seeding rate).
<i>Aconitum columbianum</i>	Columbian Monkshood	H - SS	5	No	Low	Med.	Intermed.	Mod.	Mod.	-	-	-	Cnt, S	
<i>Agastache urticifolia</i>	nettle-leaf giant hyssop	H - R	5	No	Low	Low	Intermed.	Long	Low	-	-	-	S, Sp	Seed viability varies considerably, but generally 40-80 percent.
<i>Anaphalis margaritacea</i>	western pearly everlasting	H - R	3	No	Med.	None	Intermed.	Short	High	8,200,000	-	-	Cnt, S	
<i>Aquilegia formosa</i> (caerulea for germination data)	Crimson columbine	H - MS	3	No	Med.	Low	Tolerant	Short	Low	248,000	96	-	Cnt, S	
<i>Arnica cordifolia</i>	heartleaf arnica	H - R	1.5	No	Low	None	Tolerant	Short	Low	220,000	-	-	BR, Cnt, Co, S, Sp	
<i>Artemisia douglasiana</i>	Douglas' sagewort	H - R	2	No	Med.	Med.	Tolerant	-	Mod.	-	50	15	Cnt, S	
<i>Balsamorhiza sagittata</i>	Arrowleaf Balsamroot	H - MS	2	No	High	None	Intermed.	Long	Low	58,438	93	7	S	
<i>Caltha leptosepala</i>	white marsh marigold	H - SS	1	No	None	Med.	Intolerant	Mod.	Mod.	400,000	-	-	S	
<i>Chamerion angustifolium</i>	Fireweed	H - SS	9	No	High	None	Intolerant	-	Low	-	38	-	S, Cnt	Synonym: <i>Epilobium angustifolium</i> ; seed purity is generally low.
<i>Delphinium glaucum</i>	Mountain Larkspur	H - MS	8	No	None	Med.	Tolerant	Short	High	13,000	-	-	S	
<i>Epilobium ciliatum</i>	Fringed willowherb	H - MS	4	No	High	High	Intolerant	-	Low	7,558,579	-	-	S	Synonym: <i>Epilobium adenocaulon</i> ; includes <i>E. ciliatum</i> subsp. <i>ciliatum</i> and <i>E. ciliatum</i> subsp. <i>glandulosum</i>
<i>Erigeron compositus</i>	cutleaf daisy	H - SS	1	No	High	None	Intolerant	Mod.	Mod.	250,000	-	-	S	Talus, rocky alpine slopes only
<i>Eriophyllum lanatum</i>	common woolly sunflower	H - MS	3	No	Med.	Med.	Intermed.	-	Mod.	-	-	-	S, Cnt	
<i>Fragaria virginiana</i>	Wild strawberry	H - R	1	No	Med.	Med.	Intolerant	-	-	-	72	-	Cnt	
<i>Geranium richardsonii</i>	Richardson's geranium	H - R	3	No	Low	Low	Intermed.	Short	Mod.	40,000	-	-	BR, Cnt, Ct, S	
<i>Geum macrophyllum</i>	Big leaf avens	H - R	2	No	Low	Low	Tolerant	Mod.	Mod.	793,706	93	88	S	
<i>Geum triflorum</i>	old man's whiskers	H - R	1.5	No	High	None	Intermed.	Short	Mod.	449,554	90	-	BR, S, Sp	
<i>Gilia capitata</i>	bluehead gilia	H - MS	3	No	High	None	Intolerant	-	-	-	80	98	S	
<i>Heracleum maximum</i>	common cowparsnip	H - MS	8	No	Low	Med.	Intolerant	Short	Low	47,569	-	-	S	Synonym: <i>Heraculem lanatum</i>
<i>Ipomopsis aggregata</i>	scarlet gilia	H - SS		No	High	Low	Intolerant	Mod.		450,008	75	90	S	
<i>Linum lewisii</i>	Lewis flax	H - B	2.5	No	Med.	None	Intolerant	Mod.	High	294,848	80	99	S	
<i>Lotus nevadensis</i>	Nevada bird's-foot trefoil	H	1	Yes	Med.	Low	Intermed.	Short	-	-	-	-	S	

TRPA APPROVED PLANT SPECIES ATTRIBUTES TABLE¹

Scientific Name ^{2,3}	Common Name	Growth Form ⁴	Mature Height (feet)	Nitrogen Fixation	Drought Tolerance ⁵	Saturation Tolerance ⁵	Shade Tolerance ⁵	Lifespan ⁵	Fire Hazard	Seed (Bulk per Pound)	Germination (% Typical)	Purity (% Typical)	Plant Material Type ⁶	Notes
<i>Lotus unifoliolatus</i> var. <i>unifoliolatus</i>	American bird's-foot trefoil	H	1	Yes	Med.	Low	Intermed.	-	High	-	-	-	S	Synonym: <i>Lotus purshianus</i>
<i>Lupinus argenteus</i>	silvery lupine	H - MS	1.5	Yes	Med.	None	Intolerant	Short	High	126,000	65	98	Cnt, S	
<i>Lupinus fulcratus</i>	greenstipule lupine	H - SS	2.5	Yes	High	None	Intermed.	-	-	-	-	-	S	
<i>Lupinus grayi</i>	Sierra lupine	H - MS	1	Yes	High	None	Intolerant	-	-	-	-	-	S	
<i>Lupinus lepidus</i>	Pacific lupine	H - MS	6	Yes	High	None	Intolerant	Short	Mod.	16,000	63	87	Cnt, S	
<i>Lupinus polyphyllus</i>	bigleaf lupine	H - SS	5	Yes	Low	High	Intermed.	-	Low	-	95	99	S	
<i>Mertensia ciliata</i>	tall fringed bluebells	H - R	2	No	Low	Med.	Intermed.	Mod.	Mod.	225,000	-	-	BR, Ct, S	
<i>Mimulus cardinalis</i>	Scarlet Monkey Flower	H - R	2.5	No	Low	Med.	Tolerant	Mod.	Mod.	4,000,000	-	-	BR, Cnt, S	
<i>Mimulus guttatus</i>	Common Monkey Flower	H - R	2.5	No	None	Med.	Tolerant	Short	Mod.	4,000,000	80	70	S, Sp	Seed purity varies considerably.
<i>Nasturtium officinale</i>	watercress	H - R	4	Yes	None	High	Intermed.	-	-	-	-	-	S, Cnt	Synonym: <i>Rorippa nasturtium-aquaticum</i>
<i>Osmorhiza occidentalis</i>	western sweetroot	H - SS	4	No	High	None	Tolerant	Mod.	Low	29,845	-	-	S	
<i>Oxyria digyna</i>	Alpine mountainsorrel	H - SS	1	No	Low	Low	Intermed.	Mod.	High	1,343,195	-	-	S	Talus, rocky alpine slopes only
<i>Paeonia brownii</i>	Brown's peony	H - SS	1.5	No	Med.	None	Intermed.	Mod.	High	-	40	95	Cnt	
<i>Pedicularis groenlandica</i>	Elephant Heads	H - SS	2.5	No	Low	Med.	Intermed.	Short	Low	175,000	NA	-	BR, S	
<i>Penstemon rydbergii</i>	Rydberg's penstemon	H - B	3	No	Low	None	Intolerant	Mod.	Mod.	131,900	90	75	S	
<i>Penstemon speciosus</i>	royal penstemon	H - MS	2.5	No	High	None	Intolerant	Long	Mod.	400,000	85	85	S	
<i>Phacelia ramosissima</i>	branching phacelia	H - MS	5	Yes	Med.	Med.	Intermed.		Mod.	-	-	-	S	
<i>Potentilla fruticosa</i>	shrubby cinquefoil	H - MS	2.5	No	Low	None	Intermed.	Long	High	1,000,000	-	-	BR, Cnt, S	
<i>Potentilla glandulosa</i>	sticky cinquefoil	H - R	1.5	No	Low	Low	Intermed.	Mod.	High	2,969,000	-	-	BR, S	
<i>Potentilla gracilis</i>	slender cinquefoil	H - MS	2.4	No	Med.	None	Intolerant	Mod.	High	1,711,698	92	84	BR, S	
<i>Ranunculus occidentalis</i>	western buttercup	H - St	1	Yes	Med.	Low	Intermed.	-	-	-	-	-	S	
<i>Rumex salicifolius</i>	willow dock	H - SS	2	No	Med.	High	Intermed.		High	-	-	-	S, Cnt	
<i>Solidago canadensis</i>	Canada goldenrod	H - R	3.5	No	Med.	Med.	Intolerant	Long	Low	4,600,000	-	-	BR, S, Sp	
<i>Symphotrichum spathulatum</i> var. <i>spathulatum</i>	Western mountain aster	H - R	2	No	Med.	Med.	Intolerant	-	Mod.	-	-	-	Cnt	
<i>Thalictrum fendleri</i>	Fendler's meadow-rue	H - MS	2	No	Med.	Med.	Intermed.	-	Low	-	97	-	Cnt	
<i>Urtica dioica</i> ssp. <i>holosericea</i>	stinging nettle	H - MS	3	No	Med.	Med.	Intermed.	-	Low	2,386,920	-	-	S	Stinging hairs
<i>Wyethia mollis</i>	woolly mule-ears	H - B	2.5	No	High	None	Tolerant	Long	Low	25,000	78	94	S	Seed viability varies considerably
Trees, Shrubs, and Subshrubs														
<i>Acer circinatum</i>	vine maple	T, S, V - SS	20	No	Low	None	Tolerant	Long	Low	4,620	19	-	BR, S	
<i>Acer glabrum</i>	Rocky Mountain maple	T, S - MS	30	No	Med.	Low	Intermed.	Mod.	-	13,663	-	-	BR, Cnt, Ct, S	Branches prone to crack and/or break from snow load.
<i>Alnus incana</i> ssp. <i>tenuifolia</i>	thinleaf alder	T, S - TF	20	Yes	Low	High	Intermed.	Mod.	-	675,000	45	-	BR, Cnt, S	
<i>Amelanchier alnifolia</i>	western Serviceberry	T, S - MS	15	No	Low	None	Intermed.	Short	-	60,051	66	98	BR, Cnt, Ct, S	

TRPA APPROVED PLANT SPECIES ATTRIBUTES TABLE¹

Scientific Name ^{2,3}	Common Name	Growth Form ⁴	Mature Height (feet)	Nitrogen Fixation	Drought Tolerance ⁵	Saturation Tolerance ⁵	Shade Tolerance ⁵	Lifespan ⁵	Fire Hazard	Seed (Bulk per Pound)	Germination (% Typical)	Purity (% Typical)	Plant Material Type ⁶	Notes
<i>Amelanchier utahensis</i>	Utah serviceberry	T, S - MS	15	No	High	None	Intermed.	Long	-	25,800	-	-	Cnt, S	
<i>Arcotsaphylos nevadensis</i>	pinemat manzanita	S, Sb - St	2	No	High	None	Tolerant	Long	-	37,000	-	-	Cnt	
<i>Arctostaphylos patula</i>	greenleaf manzanita	S - MS	6	No	High	None	Intermed.	Long	High	18,000	20	-	Cnt	
<i>Arctostaphylos uva-ursi</i>	bearberry	S, Sb - MS	0.5	No	High	None	Intermed.	Long	-	42,400	60	95	BR, Cnt, Ct	
<i>Artemisia tridentata ssp. vaseyana</i>	mountain big sagebrush	T, S - MS	7	No	Med.	None	Intolerant	Long	High	1,973,117	-	14	BR, Cnt, S	Seed viability varies considerably.
<i>Calocedrus decurrens</i>	incense cedar	T - SS	100	No	Med.	None	Intermed.	Long	High	14,400	-	-	BR, Cnt, Ct, S	
<i>Ceanothus cordulatus</i>	whitethorn	S - MS	8	Yes	High	None	Intolerant	Long	-	166,000	70	98	Cnt	
<i>Ceanothus prostratus</i>	prostrate ceanothus, squawcarpet	S, Sb - Tf	0.5	Yes	High	None	Tolerant	Long	-	41,000	92	-	Cnt	
<i>Ceanothus velutinus</i>	tobaccobrush	T, S - Tf	10	Yes	Low	None	Intolerant	Mod.	High	107,919	75	-	Cnt	
<i>Cercocarpus ledifolius</i>	curl-leaf mountain mahogany	T, S - MS	20	Yes	High	None	Intermed.	Long	High	50,916	55	90	BR, Cnt, S	
<i>Chrysolepis sempervirens</i>	chinquapin	S - SS	15	No	Med.	None	Intermed.	Long	High	700	30	-	Cnt	Seed purity is high.
<i>Cornus sericea</i>	redosier dogwood	T, S - MS	12	No	Low	High	Intolerant	Long	-	18,400	57	95	BR, Cnt, Ct, S	Includes <i>Cornus sericea ssp. occidentalis</i> and <i>C. sericea ssp. sericea</i>
<i>Ericameria nauseosa</i>	rubber rabbitbrush	S, Sb - MS	4	No	High	None	Intolerant	Long	High	652,500	-	25	BR, Cnt, S	Synonym: <i>Chrysothamnus nauseosus</i> ; seed viability varies considerably.
<i>Eriogonum nudum</i>	naked buckwheat	Sb, H - MS	1	No	High	None	Intolerant	-	-	-	20	80		Seed viability varies considerably.
<i>Eriogonum umbellatum</i>	sulphur-flower buckwheat	S, Sb - MS	1	No	High	None	Intolerant	Long	-	209,500	30	60	BR, Cnt, S	Seed viability varies considerably.
<i>Holodiscus discolor</i>	oceanspray creambush	S - MS	12	No	Low	Med.	Intolerant	Mod.	-	5,307,000	84	-	BR, Cnt, Ct, S	
<i>Juniperus occidentalis</i>	western Sierra or Sierra juniper	T - SS	33	No	High	None	Intolerant	Long	High	11,930	-	-	BR, Cnt, Ct, S	
<i>Lonicera involucrata</i>	twinberry	S - SS	10	No	Low	Low	Tolerant	Long	-	343,500	83	-	BR, Cnt, Ct, S	
<i>Mahonia aquifolium</i>	Oregon Grape	S, Sb - R	8	No	High	None	Tolerant	Long	Low	33,000	83	-	BR, Cnt, Ct, S	
<i>Penstemon deustus</i>	hot-rock penstemon	Sb, H - MS	2	No	High	None	Intolerant	Long	Low	400,000	85	35	S	
<i>Penstemon newberryi</i>	mountain pride	Sb, H - St	1	No	High	None	Intermed.	Long	Low	1,500,000	60	20	BR, Cnt, S	
<i>Pinus contorta var. murrayana</i>	Sierra lodgepole pine	T - SS	99	No	Low	Low	Intolerant	Long	High	94,000	-	-	BR, Cnt, Ct, S	Invasive of wet meadows
<i>Pinus flexilis</i>	limber pine	T - SS	66	No	High	None	Intolerant	Long	High	4,400	-	-	BR, Cnt, S	Subalpine sites only
<i>Pinus jeffreyi</i>	Jeffrey pine	T - SS	180	No	Med.	None	Intolerant	Long	High	3,200	90	-	BR, Cnt, Ct, S	
<i>Pinus monticola</i>	western white pine	T - SS	200	No	Low	None	Intermed.	Long	High	27,040	-	-	BR, Cnt, Ct, S	
<i>Pinus ponderosa</i>	Ponderosa Pine	T - SS	223	No	High	None	Intolerant	Long	High	12,000	75	-	BR, Cnt, S	
<i>Populus balsamifera ssp. trichocarpa</i>	black cottonwood	T - SS	100	No	Low	Med.	Intolerant	Mod.	-	-	-	-	BR, Cnt, Ct, S	Synonym: <i>Populus trichocarpa</i>
<i>Populus tremuloides</i>	quaking Aspen	T - SS	65	No	Low	Low	Intolerant	Short	Low	3,248,000	-	-	BR, Cnt, Ct, S	
<i>Prunus virginiana</i>	western Chokecherry	T, S - MS	25	No	Med.	Med.	Intolerant	Short	-	4,971	77	-	BR, Cnt, S	

TRPA APPROVED PLANT SPECIES ATTRIBUTES TABLE¹

Scientific Name ^{2,3}	Common Name	Growth Form ⁴	Mature Height (feet)	Nitrogen Fixation	Drought Tolerance ⁵	Saturation Tolerance ⁵	Shade Tolerance ⁵	Lifespan ⁵	Fire Hazard	Seed (Bulk per Pound)	Germination (% Typical)	Purity (% Typical)	Plant Material Type ⁶	Notes
<i>Purshia tridentata</i>	antelope bitterbrush	S - MS	6	Yes	High	Low	Intermed.	Long	High	17,193	80	99	BR, Cnt, S	
<i>Quercus vaccinifolia</i>	huckleberry oak	S - TF	1.3	No	Med.	None	Tolerant	Long	High	1,030	43	-	BR, Cnt, S	
<i>Rhus trilobata</i>	skunkbush	S - R	4	No	Med.	None	Intermed.	Mod.	-	25,790	76	-	BR, Cnt, S	
<i>Ribes aureum</i>	golden currant	S - R	10	No	Med.	None	Intermed.	Long	-	268,545	63	-	BR, Cnt	Ribes species are alternate hosts for white pine blister rust, but are abundant in natural vegetation of the Lake Tahoe Basin.
<i>Ribes cereum</i>	wax currant	S - MS	3	No	High	None	Intolerant	Mod.	-	277,500	72	-	BR, Cnt, Co, Ct	See note for <i>Ribes aureum</i>
<i>Ribes montigenum</i>	gooseberry currant	S - MS	1	No	High	None	Intermed.	Mod.	-	163,798	20	-	BR, Cnt, Ct	See note for <i>Ribes aureum</i>
<i>Ribes nevadense</i>	Sierra currant	S - MS	6	No	Low	Med.	Intermed.	Long	-	391,000	87	-	BR, Cnt, Ct	See note for <i>Ribes aureum</i>
<i>Ribes roezlii</i>	Sierra gooseberry	S - MS	5	No	High	None	Intermed.	Long	-	236,000	87	-	BR, Cnt	See note for <i>Ribes aureum</i>
<i>Rosa woodsii</i>	mountain rose	S - R	3	No	Med.	None	Intermed.	Long	-	50,967	-	-	BR, Cnt, S, Sp	
<i>Rubus parviflorus</i>	thimbleberry	S - R	4	No	Med.	Low	Intermed.	Mod.	Low	204,000	-	-	BR, Cnt, S, Sp	
<i>Salix exigua</i>	narrow leaved willow	T, S - R	10	No	Med.	High	Intermed.	Mod.	-	1,000,000	83	-	BR, Cnt, Ct	
<i>Salix geyeriana</i>	Geyer's willow	T, S - TF	15	No	None	Low	Tolerant	Mod.	-	9,072,000	-	-	BR, Cnt, Ct, S	
<i>Salix lemmonii</i>	Lemmon's willow	S - MS	14	No	Low	Low	Intermed.	Long	-	-	-	-	BR, Cnt, Ct, S	
<i>Salix lucida ssp. lasiandra</i>	Pacific willow	T, S - TF	53	No	Low	High	Intolerant	Short	-	-	25	25	BR, Cnt, Ct, S, Sp	Synonym: <i>Salix lasiandra</i>
<i>Salix scouleriana</i>	Scouler's willow	T, S - MS	50	No	Med.	Med.	Intermed.	Mod.	-	6,500,000	95	-	BR, Cnt, Ct, S	
<i>Sambucus nigra ssp. cerulea</i>	blue Elderberry	S, T - MS	23	No	High	Med.	Intermed.	Mod.	-	197,590	33	-	BR, Cnt, S	The name <i>Sambucus mexicana</i> has often been misapplied to this plant.
<i>Sambucus racemosa</i>	red elderberry	S, T - MS	10	No	Med.	Med.	Intermed.	Mod.	-	200,000-300,000	47	-	BR, Cnt, Ct	
<i>Sorbus scopulina</i>	Greene's mountain ash	T, S - MS	12	No	None	Low	Intermed.	Mod.	-	144,000	-	-	BR, Cnt, Ct, S	
<i>Spiraea douglasii</i>	rose spirea	S - R	7	No	Med.	High	Intolerant	Long	-	1,030,400	-	-	BR, Ct, S	
<i>Spiraea splendens</i>	rose meadowsweet	S	3	No	Low	Med.	Tolerant	-	-	-	-	-	Cnt	
<i>Symphoricarpos mollis</i>	creeping snowberry	S	2	No	Low	Low	Tolerant	Long	-	-	-	-	Cnt	Vine-like stems take root

Sources: USDA 2011, *PLANTS Database* (nomenclature, growth form, mature height, nitrogen fixation, drought tolerance, saturation tolerance, shade tolerance, lifespan, and seed per pound); Jepson Herbarium 2011, *Jepson Flora Project* (nativity); J. Coubourn, B. Carlos, J. Christopherson, S. Donaldson, W. Johnson, R. Post, J. Skelly, and E. Smith, 2006, *Home Landscaping Guide for Lake Tahoe and Vicinity*, University of Nevada Cooperative Extension Educational Bulletin 06-01 (fire hazard); Brown and Caldwell, *Seed Clearinghouse*, 2011, C. S. Schopmeyer, technical Coordinator, 1974, *Seeds of Woody Plants in the United States*, Agriculture Handbook No. 450. Forest Service, U.S. Department of Agriculture, Washington D.C.; K. C. Vories, 1981, *Growing Colorado Plants from Seed: A State of the Art*, Intermountain Forest and Range Experiment Station, U.S. Department of Agriculture, Ogden, Utah; David Gilpin, Pacific Coast Seed, 2011, personal communication; and, Ed Kleiner, Comstock Seed, 2011, personal communication (seed viability and seed purity).

Notes:

- 1 - Availability changes frequently.
- 2 - Nomenclature follows U.S. Department of Agriculture's PLANTS Database.
- 3 - Names of nonnative species are displayed in bold font.
- 4 - Growth form types are B = bunch, G = graminoid, H = herb/forb, MS = multiple-stem, R = rhizomatous, S = shrub, Sb = subshrub, SS = single-stem, St = stoloniferous, T = tree, TF = thicket-forming, and V = vine
- 5 - Abbreviations are med. = medium, intermed. = intermediate, and mod. = moderate
- 6 - Plant material types are S = seed, Ct = cutting, Cnt = container, BR = bare root, Tu = tuber, bu = bulb, Co = corm, Sp = sprigs, So = sod