

**Calaveras Big Trees
Joe Cernac 2015**

CALAVERAS BIG TREES		Joe Cernac 2015
A list from unknown website, shortened of common sp		
APIACEAE		
Angelica breweri	A= frt flat fr to bk	B's A; petals, ov hairy; lf upr surf br grn; basal lvs 2-3 tern-pinnate, serrate
Anthriscus caucalis		Bur-chervil; ann; frts paired, ovate, ±4mm
Osmorhiza occidentalis		Western SC; pern 3-12dm; longish frts, ?lg tapered at base, glab
Perideridia parishii		P,s Yampah; primary lf lfts 3-8cm, lin, entire; roots 1-tuberous
Sanicula bipinnatifida	S= frt w/ hook'd bristles	Purple S; ±prostrate to ascend, no stem, lt grn gry; infl purp or yel
Sanicula graveolens		S; bien, pern; lf ternate then 1-2pinnate; infl bracts 6-10, ±1mm
Tauschia hartwegii		K's T; stem= Ø; lrg lf lfts, serrate; infl lg peduncled umbelletes
Torilis arvensis	T= frt ovoid, v bristly	Hedge Parsley; ann 3-10dm, erect; peduncle >lf; umbels open, bracts Ø
APOCYNACEAE		
Apocynum cannabinum		Indian Hemp; shrub 3-12dm; lvs opp, ascend'g, lanc to nar'ly ovate
ARISTOLOCHIACEAE		
Asarum hartwegii		H's Ginger; lf marbled; peduncle erect; calyx inner surf wht w/ red stripes
Asarum lemmonii		L's Ginger; lf all grn; sepal lobes reflexed in flr, tips acute to bruptly pointed
ASCLEPIACEAE		
Asclepias cordifolia		Heartleaf Milkweed; pern, ascending, glab; lvs cordate
Asclepias speciosa		Showy MW; ascending to erect, hairy; flrs rose-purp
ASTERACEAE		
Agoseris heterophylla		Variable Leaf A; ann fr slender taproot; frt truncate to tapered to beak
Agoseris retrorsa		A; pern; lf v acuminate; achene truncate, beak >2x of body
Anaphalis margaritacea		Pearly Everlast; pern, wht wooly; lf sessile, tomentose below
Antennaria argentea	A= pern; hds discoid	Pussytoes; w/ stolons; lvs B&C, lwr 7mm W; invol ±glab
Aster alpigenus		A; pern 1-4dm, glab, st ±branch'd; lvs ±basal, lin; infl solo; rays >20; frt all hairy
Aster ascendens		A; pern ?gdlr; multiple hds; outer phylls obtuse to O'ed; rays <15mm
Calycadenia truncata	C= tack-shaped glds	Rosin Weed; lvs ±lin; invol hairy; flr yel, rays 1-6;
Cirsium occidentale		T; bien <20dm; infl g cob-weby; lvs ±d gry or wht tomen, esp bot
Crepis occidentalis	C= rays only	Hawksbeard; herbage tomen; inner phylls >7; flrs 9-40; pappus lt brn
Erigeron strigosus		FB: ann/b 3-7dm, much branch'd; stem lvs well develop'd; flr wht; <1.5K'
Eriophyllum lanatum		Woolly Sunflower; ann to pern; phyllaries in 1series
Gnaphalium canescens		Cudweed; pern 4-11dm; lvs d tomentose T&B, ±lin, 20-55mm (hds 4-5mm)
Grindelia camporum		Gum Plant; involucre >17mm D, phyllaries hooked
Helenium bigelovii		B's Sneezeweed; pern; lvs decurrent on stem; recept half-hemi
Hiercium albiflorum	H= rays only	H= flrs in cyme White Hawkweed; flr wht
Hypochoeris glabra	H= rays only; invol lin	Cat's Ear; ann; lvs basal; recep w/ lg chaffy scales among flrs
Hypochoeris radicata		CE; pern rough-hairy; lvs basal; frt all beaked
Lagophylla ramosissima		ann; hds radiate, m bracts v hairy, rays pl yel, phylls 1 row; frt obobate, pappus Ø
Layia platyplosa		Tidy tips; ann, not scented; hds radiate; phylls 1 row
Lessingia leptoclada		Sierra L; ann erect <9dm; phylls oblong, tomen; cor laven, rays Ø
Madia minima		M; few rays & discs; phylls w/ blk stalk'd glands
Psilocarphus tenellus		Woolly Marbles; ann, tomentose; largest hd <6mm; chaff scale <2.8mm
Senecio integerrimus		S; lvs reduced upwards, tapering both ends; phylls 13-21; rays >5
Solidago canadensis		Canada Goldenrod; mid caul lvs largest; infl ±club-shapped
Uropappus lindleyi	U= rays only	Silver Puffs; ann; rays yel; pappus of 5 scales, lanc 5-15mm, silvery
Wyethia angustifolia		Narrow Lvd Mule Ears; pern 3-9dm; lvs lin-lanc; outer phylls narrow
BERBERIFOLIACEAE		
Berberis aquifolium		Barberry; shrub g <8dm; lf lfts g 5-7, petioles g >3cm
BETULACEAE		
Alnus incana ssp tenuifolia		Mountain A; fresh lf thick, opa, both sides dull grn; female cone pedicel <1.5cm
Alnus rhombifolia		White Alder; tree; lvs grn beneath, 9-12pr veinlets; on creeks
BORAGINACEAE		
Cryptantha decipiens		Gravel C; 1-4dm, erect; nutlts 1(2), brn; sepal lin-oblong in frt; cor appends Ø
Cryptantha flaccida		C; ann herbage w/ stiff, appress'd hairs; nutlet 1, smooth, groove closed
Cynoglossum occidentale		C; pern sts hairy; lwr lvs oblanc/oblong-lin; infl ±capitate when young
Hackelia velutina	H= Stickseed	Velvet; lvs velvety-hairy; cor appens L>>W; nutlet marginal prickles ±= facial
BRASSICACEAE		
Arabis glabra		Tower Mustard; bien 4-12dm stout; caul lvs & pods appressed; cor yel
Athysanus pusillus		Sandweed; ann <3cm; infl 1-sided; frt ±Ø, <2-2.5mm, reflexed

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Barbarea orthoceras		Wintercress; bien/pern 1-6dm; lf pinnate to rib; yel flr; frt lin, beaked
Brassica juncea	<i>B= frt cylindric, beaked</i>	Indian Mustard; ann; distal caul lvs base tapered; frt beak 5-10mm
Cardamine oligosperma		BitterCress; ann-bien fr weak taproot; flrs wht; wet roots
Descurainia pinnata	<i>D= lf hairs branched</i>	Tansy Mustard; branches Ø; frt oblong, tip rounded (petals >2mm, br yel)
Erysimum capitatum		Wallflr; bien+; pods erect > infl; seeds ?constrict'd; flr org
Lepidium virginicum var. pubes		stem erect; upr lvs ?clasp'g; stigma exceeded by frt; petals 2(3)x ?sepals
Rorippa curvisiliqua		ann; lvs pinnate or divided; infl elongated; sepal <.8mm; frt lin to oblong; wet
Streptanthus tortuosus		Mtn Jewel Flr; ann to ss; caul lvs O to ovate, clasp'g; flr bi-lateral; calyx purp
Thysanocarpus curvipes		Fringepod; ann; v sm wht flrs; oval pod w/ X-parent perimeter
CAMPANULACEAE		
Campanula prenanthoides		Harebell; pern erect 2-15dm; petiole </5cm; petals reflexed, br blu, style >>cor
Heterocodon rariflorum	<i>H= flrs in lf axils</i>	Differbells; ann, flr radial; lvs round cordate; sessile, serrate
Nemacladus montanus	<i>n= ann</i>	ann; <8cm, ascend'g, v zig-zag; flr bilateral, wht, filaments basally free
CAPRIFOLIACEAE <i>lvs opposite; ovary inferior</i>		
Sambucus melanocarpa		Black Elderberry; shrub 1-2m; berry blk; infl dome shape
Sambucus mexicana		Blue Elderberry; shrub 2-8m; frt blu (glaucous); infl flat top
Symphoricarpos mollis		Creeping Snowberry; stem sprawling; infl raceme 2-8 flrd; berries wht
CARYOPHYLLACEAE		
Cerastium fontanum	<i>C= petals 2-lobed,</i>	MouseEar CW; a/p <35cm; bracts g ?scarious margin'd; petals 4-5mm, >sepals
Cerastium glomeratum	<i>frt cylindric</i>	Mouse Ear ChickWeed; ann 3-40cm, hairy; sepals gdlr-hairy
Pseudostellaria jamesiana	<i>P=gdlr</i>	J's Starwort; pern 12-45cm; lvs lanc; cor wht, 2-lobed ? to base
Silene californica	<i>S= sepals united</i>	C Catchfly; pern; lrg br red corolla; caul lvs wide lanc to ovate; frt ovoid
Silene lemmonii		L's CF; pern; calyx lg hemispheric; flrs nodding; petal 4-lobed, calyx 6-10mm
Spergularia rubra	<i>S= styles, frt valves 3</i>	SandSpurry; ann delicate; lvs 2-4+ /axil cluster; petals pk, stams 6-10
Stellaria longipes		Starwort; pern; petals cleft to base; styles 3; lvs lanc-lin <2.5cm, stips Ø
CONVOVULACEAE		
Calystegia sepium	<i>C= stigma lobes ±flat</i>	Hedge Bindweed; pern climb'g .4m; bract ± hiding calyx, >4mmW; cor 3-6cm
CORNACEAE		
Cornus nuttallii		Mtn Dogwood; tree <25m; infl head appear'g before lvs, wht bracts ±5cm
Cornus sericea ssp. occidentalis		Dogwood; shrub 1-4m, st red to purp; lf g 3-5cm, veins 4-7 pairs
Cornus sericea ssp. s		Dogwood; shrub 1-4m, st red to purp; lf g 3-5cm, veins 4-7 pairs
CRASSULACEAE		
Dudleya cymosa	<i>D= infl axillary</i>	Dudlya; lvs rosetted, g oblanc/spat, thick, glauc; infl 1° branches 2-4
Sedella pumila		Sierra Sedum; ann <17cm; lvs <7mm, basal opp, caul alt
DATISCEACEAE		
Datisca glomerata		Durango Root; ann; dioecious; 1-2m; lvs ±15cm, pinnate divided
EQUISETACEAE		
Equisetum arvense		Common HT; ann; stem of 2types; sterile lf w/ lvs, 1st internode >sheath
Equisetum laevigatum		SR; stem of 1type, grn, abruptly smaller above obconic node; lvs Ø or scattered
ERICACEAE		
Arctostaphylos viscida		Manzanita; pedicels viscid & gldr-hairy; lvs pl whitish-grn, ?glossy (ov & frt glab)
Chimaphila umbellata		Prince's Pine; infl 3-10 flrd; sepals <2mm, widely ovate
Pleuricospora fimbriolata		Gnone plant; pern, non grn, stem Ø, <10cm; petals fused, cor glab, yel-ish crm
Pterospora andromedea		Pinedrops; non grn pern, 1+m; flrs nodding, petals fused
FABACEAE		
Lathyrus brownii	<i>L= stigma toothbrush-lk</i>	Brown's Brush Pea; stips W'ly ovate-?; infl 2-6 flrd; calyx lobes <tube
Lathyrus lanswertii ssp l.		L's Pea; pern; lft 2-8cm, lin to lanc, stips lanc; infl 2-10; calyx tube >upr lobes
Lathyrus nevadensis		Mountain L; pern matted; stipules gland-lk; infl 2-4 flrd, cor 10-13mm
Lathyrus sulphureus		Sulphur Pea; per glab; infl 10-15 flrd,d, g 1-sided; cor wht-yel to org-brn
Lotus humistratus		L; ann, hairy; mat'd or ascend'g; lfts g 4, stipules gland-lk; infl 1 flrd, pedunc <<1cm
Lotus micranthus		Sm Flrd L; ann, spreading to erect; peduncle >1cm, bracted; lfts 3-5
Lotus nevadensis		Mountain L; pern matted; stipules gland-lk; cor 10-13mm
	<i>v nevadensis</i>	(flrs 5-12/infl; calyx 5-10mm, ?appearing blocky)
Lotus purshianus		P's L; ann; stipules gland-lk, lfts g 3; infl 1 flrd; calyx lobes > tube
Lupinus grayi		L; pern tomentose to wooly; lvs B&C; upr keel ciliate; infl ±whorled
Lupinus nanus		L; ann <6dm, hairy; banner W >=L; pedicel >3mm; peduncle <<1cm
Lupinus latifolius		Wideleaf L; pern, erect; upr keel margin ciliate fr base to mid; peduncle 8-20cm
Lupinus stiversii		Harlequin L; ann 1-5dm; keel ciliate, banner yel, wings rose-pk to purp
Melilotus albus		Wht SweetClover; ann/bien <2m; lvs 3 palmate; cor wht; frt ovoid
Trifolium breweri		B's Clover; invol bract Ø, pedicel 2-5mm; cor <8mm, yel-wht to pk-lav

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Trifolium microcephalum		Small Headed C; ann; invol bowl-shaped, lobes entire; lf just below infl
Trifolium pratense		L; invol 2-3cmW; calyx lobes ±plumose; cor red-purp; disturbed areas
Trifolium repens		White C; pern creeping & rooting; invol bract Ø
Trifolium willdenovii		Tomcat C; ann; invol deeply lobed; cal lobes <=tube
Trifolium wormsjoldii		W's C; pern invol bract, wheel-lk,? to stem, g 2-3cmW, ?lobed; calyx lobes g ?tube
Vicia americana v	V= stigma w/ term hair tufts	Am Vetch; pern; lf g >1dm; infl 2-9 flrd; flr >9mm, g blu-purp to lav
FAGACEAE		
Chrysopsis sempervirens		Chinquapin; shrub to 2m; lvs ±elliptic, golden below
GENTIANACEAE		
Centaurium venustum		Canchalagua; ann <5dm, erect; cor in 5's(4's), salverform, wht or g pk
HYDROPHYLLACEAE		
Draperia systyla		D; pern 1-4dm; lvs opp, ovate, gryish, soft-hairy, entire
Hydrophyllum occidentale		California Waterleaf; pern, roots fibrous; lrg lobed lf w/ water spots
Nemophila heterophylla		N= ann Canyon N; cor <1cm D, unmarked; calyx lobes 2-4mm
Nemophila maculata		Five Spot; ann; cor 15cmW, wht w/ lrg dk purp spots at lobe tips
Nemophila menziesii		Baby Blue Eyes; cor <cm D, bowl-shaped to rotate; calyx lobes >4mm
Phacelia heterophylla		VariableLf P; bien-weak p; st erect; lwr lvs dissect'd, upr ?entire; pedicel <1mm
Phacelia eisenii		P; ann erect <1dm; lvs simple, entire, gdlr; cor wht to lav
Phacelia purpusii		P; ann g erect; most caul lvs ?weakly lobed; cor decid; infl gdlr
Phacelia vallicola		Ann <27cm, erect, pubr; lvs simple, entire; cor <6mm, purp, decid
IRIDACEAE		
Iris hartwegii		I; rhizome g <1cm D; lvs 2-10mm W; lowest 2 bract g alt; tube >15mm; stigma ?
Sisyrinchium bellum	BlueEyed	Grass; in tufts; petal ovate to oblong, tips notched to truncate w/ sm point
LAMIACEAE		
Agastache urticifolia	A= stams exserted	Horsemint; pern erect; lf lanc; infl spike; flr rose to rose-purp
Monardella lanceolata		M; ann 2-5cm; lvs lanc to lanc-oblong, cor 12-15mm, purp
Monardella odoratissima		Monardella; head 1-2.5cm W; outer bract nar'ly ovate, mid ?-lk lvs
Prunella vulgaris v lanceolata		SelfHeal; pern 1-5cm; lvs lanc-ovate; infl tight; flr 2-lipped, stams 4, exserted
Pycnanthemum californicum		Mountain Mint; pern 5-13dm erect; infl hd-lk at distal nodes; cor wht, 2 lipped
Scutellaria californica		Calif Skullcap; pern; lf base obtuse to wedge; cor wht to lt yel, lwr lip ?spotted
Scutellaria tuberosa		Danny's SC; pern <25cm; cor <20mm, blu; stem hairs 1-3mm
Stachys ajugoides		Hedge Nettle; pern; lvs & infl w/ hairs straight, g stiff; lvs oblong
Stachy stricta		Hedge Nettle; pern; cor wht, upr lip <2mm, stams ±exserted from tube
LILIACEAE		
Allium campanulatum		Sierra O; >10cm; lvs 2, widely channel'd, g wither'd at flr'g; flrs red-ish to purp
Allium cratericola		Crater O; lvs 1-2 >stem, ±flat to chan'd; flr pk, ovary crests 3, minute
Brodiaea elegans	B= infl axis straight	Harvest B; umbel ±open; perianth lobes ascend'g; 3 stamenes
Calochortus leichtlinii		Ls' Mariposa Lily; wht petals w/ dk spot above yel mark, anther saggitate
Calochortus minimus		Mariposa Lily; stems lf-less 1-5cm, petals <14mm, wht; frt nodding
Calochortus monophyllus		Yellow Star Tulip; cor deep yel, hairy inside; frt nodding
Calochortus nudus		Sierra Star Tulip; cor wht to pl lav, glab, nectary transverse; frt erect
Dichelostemma capitatum	D= infl axix twisted	Blue Dicks; infl head or umbel-lk, dense; fert stam 6 but 3 small
Dichelostemma multiflorum		Blue Dicks; fert stam 3; upr perianth narrowed
Dichelostemma volubile		Twining Brodiaea; stem twining on vegetation; anthers 3, stams 3
Disporum hookeri		Hooker's Fairy Bell; stem 3-8dm, g zig-zag; flrs 1-3 per axil, hidden by lvs
Fritillaria micrantha		Brown Bells; lvs whorled, alr above; flrs ±purp to grn-wht; style branched
Lilium pardalinum		Lily; flr yel to org, gen 2toned, anthers ?6mm; of wet areas
Lilium parvum		Lily; flr ?nodding, <5cm, petals curved at tip; stams <6cm
Trillium angustipetalum	T=Trillium	pern 2-7dm; lvs O to obtuse, sessile; flr sessile, dk purp, stams <1.25x ovary
Trileia hycinthina	T=stams 6	White Brodiaea; pedicel <2x perianth; cor wht, filaments wider at base
Trileia ixioides		PrettyFace; perianth yel, stamens forked
LIMNANTHACEAE <i>ann; petals free; ovary superior</i>		
Limnanthes alba ssp a	L= ann; lvs cmpd	White Meadow Foam; flfts entire to v 3-lobed; cor wht to crm, filaments >5mm
Limnanthes montana		Meadow Foam; flfts entire to v 3-lobed; cor wht, filaments <4mm
MALVACEAE		
Sidalcea glaucescens	S= stigma lin	Checkerbloom; pern v glauc; lvs mostly basal; infl open, g 1 sided
Sidalcea malviflora		Checkerbloom; per <6dm; calyx g stellate & bristly, cor br to deep pk
Sidalcea reptans		Checkerbloom; pern stems root'g at nodes; lvs bristly; infl open; wet meadows
ONAGRACEAE		
Circaea alpina ssp. pacifica		Enchanters's Nightshade; pern; 2sep & pet; lf ovate to O
Clarkia biloba		Bilobed C; infl buds pendant; sepals reflexed fused in 4's, cor pk or purp-red

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Clarkia purpurea		C; petiole 0-2mm; flr buds erect; cor bowl shaped, sepals fused in 2's or free
Clarkia rhomboidea		Rhomboid Leaf C; petal diamond shaped, 2-3x >claw 2-lobed, rose-purp
Clarkia virgata		Sierra C; infl buds pendant; flr erect, petal clawed, laven-purp
Epilobium densiflorum	<i>E= WillowHerb</i>	WH; ann; lvs opp nr base; frt ?beaked; hypan <1mm, sep 1-2, pet 1-3
Epilobium glaberrimum		WH; pern, stems clumped, bulblets small (thread-lk stolons)
Epilobium halleanum		WB; pern ±erect, stolons short, scaly; infl ±nodding
Epilobium oregonum		WB; pern 4-10dm; petals 10-14mm, red to pk-rose, stigma 4-lobed
Epilobium pallidum		WH; ann from taproot; petals <10mm, rose-purp; frt beaked
Gayophytum diffusum	<i>G= ann; ov chambers 4</i>	Diffused G; petals 2-7mm; stigma >anthers; seeds in 1row
Gayophytum humile		G; ann; petals <2mm, larger stamens ±.7mm; frt flat, seeds obliquely placed
Gayophytum racemosum		Branched G; petals ±1.5mm; stigma ?anthers; ; frt ±?flat, seeds overlapped
ORCHIDACEAE		
Cephalanthera austiniiae		Phantom Orchid; stem wht, aging yel or brn; flr wht
Corallorhiza maculata		Spotted Coral Root; stem red to org-brnish; lip w/ spots, <7mm
Corallorhiza striata		Striped CR; perianth w/ stripes (faint), lip >8mm
Piperia elegans	<i>P= lip spurred; lvs g basal</i>	Elegant Orchid; stem scapose; flr wht to pl grn, spur >6mm
Piperia unalascensis		P; stem ±lf-less; spur <6mm; perianth grn
Platanthera leucostachys		Reine Orchid; 15-100cm; lvs B&C; wht flr, sepals gen 3veined; moist areas
Platanthera sparsiflora		Green Rein Orchid; 25-55cm; lvs B&C; flrs grn, ?crowded, lip lin
Spiranthes romanzoffiana		R's S; lvs 3+, mostly basal; ranks of flr helical; perianth wht
POLEMONIACEAE		
Allophylum divaricatum	<i>A= upr lvs ±palmate,</i>	<i>distal lvs g >lateral</i> A; cor 8-22mm, red-purp, lobes pk
Collomia grandiflora	<i>C= calyx sinus pleated</i>	LargeFlrd C; lvs lanc to lin; infl term heads; flrs salmon
Collomia heterophylla		C; st branch'd, spread'g; lwr lvs 1-2x lobed, upr entire; cor 10-14mm, wht to pk
Gilia capitata	<i>G= lvs g alt</i>	Ball Headed G; lvs lwr 1-2 pinnate; hd 50-100 flrs, pl blu-vio
Gilia leptalea		G; ann; lvs caul, g entire; infl loose, spreading; flr lobes pk
Ipomopsis aggregata		ScarletGilia; pern erect; infl 1-sided raceme, red(pk)
Linanthus bolanderi		B's L; infl loose; cor funnel shaped, tube <5mm, lobes wht or pk
Linanthus ciliatus		Whisker Brush; ann; infl spheric, few flrd; cor salverform, wht or pk
Linanthus montanus		L; ann; infl bracted term hd; cor salverform, tube >25mm, lobes 5-8mm
Navarettia divaricata		Mountain N; ann <1dm, gdlr; bracts palmate lobed; stams & style included
Phlox diffusa	<i>P= lvs opp</i>	Spreading Phlox; half woody, cushion like; cor wht, pk, blu
Phlox douglasii		Douglas P; pern ±matted to cushion-lk; herbage gdlr-hairy; lvs sharp
POLYGALACEAE		
Polygala cornuta	<i>P= Milkwort</i>	pern/shrub <25dm, prostrate/erect; lvs lin to ovate; keel petal beak lin (?cleitogamous)
POLYGONACEAE <i>BuckWheat</i>		
Chorizanthe membranacea	<i>C= invol bracts fused</i>	Pink SpineFlr; stem ±wooly; caul lvs whorled; perianth <3mm, wht to rose
Eriogonum nudum		Naked-Stem BW; pern; lvs basal 2-5cm, g tomen esp lwr
Polygonum douglasii	<i>Knot</i>	Weed; ann<80cm, g erect; infl ?crowded; petal lobe tips O'd; seeds blk <2.5mm
Rumex acetosella		Sheep Sorrel; pern <4dm, dioecious; lvs g sagitate to hastate
Rumex obtusifolius		Bitter D; pern stout; lvs basal & caul <75cm, L:W ?2:1, flat; infl interrupted
Rumex salicifolius		WillowDock; pern <1m, ±erect, ascend to ±erect; lvs caul
PORTULACACEAE		
Calyptidium monospermum	<i>Pussy</i>	Paws; pern; caul lvs g present; infl ? 2/rosette; style thread-lk, cor rose to wht
Claytonia parviflora	<i>C= caul lvs opp,</i>	C; ann; lvs mostly basal, lin or L >3X W, caul alt; bracts g 1, subtend'g lwr flr
Claytonia perfoliata	<i>lvs mostly basal</i>	Miner's Lettuce; ann; caul lf O to reniform, v succulent
Claytonia rubra		C; new foliage red-ish; caul lf-pr g ? =fused; infl dense, sessile, multi stemmed
Montia chamissoi		ToadLily; ann w/ stolon-lk stems; lvs opp; petals 5-9mm
PRIMULACEAE		
Dodecatheon hendersonii		H's Shooting Star; lf gen <2x W; g red peduncles; fila tube gen <3mm W
Dodecatheon jeffreyi		SS; stem & infl gdlr-hairy; lvs 9-50cm, oblanc; flr parts g 4(5), stigma W>> style
RANUNCACEAE		
Actaea rubra		Baneberry; perianth parts 2-3mm L; lwr lvs ternate
Clematis ligusticifolia		Virgin'sBower; lf lts 5-15; infl many flrd, after May
Delphinium depauperatum		LS; st base <D of root, ?fibrous; infl ±1-sided; upr petals wht edged
Delphinium gracilentum		LS; st base <D of root; most lvs on prox 2/3 of stem; petals pl blu, wht or pk
Ranunculus californicus	<i>R= frt beaked, g glab</i>	Calif Buttercup; ±glab to hairy; petals >7; fruit smooth, <3mm
Ranunculus uncinatus		BC; lvs soft hairy; sepals <3mm, petals <5; wet areas
Trautvetteria caroliniensis	<i>T= Bugbane</i>	pern fr rhizome <14dm, erect; infl panicle, flat topped; sepals petal-lk, grn-wht
RHAMNACEAE		

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Ceanothus cordulatus		Snowbrush; to 15dm w/ stout thorns; lvs alt, entire; flr wht
Ceanothus intergerrimus		Deer Brush; erect <40m; lvs alt, deciduous
Ceanothus parvifolius		Littleleaf C; ultimate branches flex, ?spiny; lvs alt, 3-veined, <2cm
Ceanothus prostratus		Mahala Mat; plant prostrate; lvs opp <2.5cm; flr deep blu, purp, lav
Rhamnus rubra	Sierra	Coffeeberry; shrub <2m; lvs nar'ly ellip, decid, 15-80mm; frt 2-stoned
ROSACEAE		
Amelanchier alnifolia		Serviceberry; shrub 1-8m; lvs simple, blu-ish, decid; <u>styles g 5</u>
Amelanchier utahensis		Serviceberry; shrub 1-4m; lvs simple, blu-ish, decid; <u>styles 2-4</u>
Fragaria vesca		Strawberry; pern lf-less stolons; lvs ternate, central lflt acute to obtuse
Fragaria virginiana		StrawBerry; pern fr lf-less stolons; lvs ternate, central lflt O'ed to truncate
Horkelia tridentata		H; <45cm, ±gry; lflts 2-5prs, ±3-lobed; infl ±hd-lk
Rosa bridgesii		B's R; fr rhizome <8dm, prickles few; hypan g glab, sepals g gdlr, persistent
Rosa pinetorum		Pine Rose; shrub g <1m, prickles many; hypanthium g gld-less; sepals persistent
Spiraea densiflora		S; shrub 2-9dm; ovary sup; infl panicle, g W>L; cor rose
RUBIACEAE		
Galium bolanderi	<i>M= BedStraw</i>	B's BS; pern g 15-25cm; lvs in 4, in 2 ?prs; flrs purp; frt berry
Galium mexicanum		pern <9dm spread'g to reclin'g; flrs perfect, cor in 4's; frt 2 nutlets
Galium sparsiflorum		BS; pern erect 2-5dm, dioecious; cor in 4; frt berry; lvs in 4
Galium trifidum		Trifid Bedstraw; ann; cor in 3; lvs in whorls of 4-6, sessile; wet places
Galium triflorum		BedStraw; pern; lvs in 6; cor 4-lobed, petioled; nutlts 2, hairs hooked
SANTALACEAE		
Comandra umbellata ssp californica		BastardaToadFlax; subshrub 1-4dm, glauc; lf lanc; infl cyme
SAXIFRAGACEAE		
Boykinia major	<i>B= stams 5, pist 1</i>	Mtn B; lvs B&C, shallowly lobed, stips 1cm; infl 1 sided; ovary half infl
Dalmera peltata		Indian Rhubarb; lf g >1m, peltate; infl appear'g before lvs, rocky streambanks
Lithophragma affine	<i>L= styles 3, ov chambers 1</i>	Woodland Star; basal lf shallowly lobed; hypan obconic; ovary half inf
Mitella breweri		Bishop's Cap; lvs ±0, lobes indistinct; stamens alt petals
SCROPHULARIACEAE		
Castilleja applegatei	<i>C= PaintBrush</i>	A's PB; plant g gldr (infl); wavy leaf margin; calyx g divided ?/½ in front
Castilleja lineariloba		Narrow Leaf PB; lf g linear; sagebrush
Castilleja pruinosa		Frosted PB; pern d pubsc; bracts br red to org-red; cor red, lwr lip grn
Castilleja tenuis	<i>Owls Clover;</i>	ann <45cm, hairy; bracts grn3-7 lobed; cor wht or yel, pauches 2-4mmW
Collinsia parviflora		Blue-Eyed Mary; lvs±lin-lanc; infl open, ±glandless; cor <8mm
Collinsia tinctoria		Chinese Houses; infl d gdlr,flrs crowded in whorls; petals red banded
Collinsia torreyi		T's C; infl gdlr-puberulent; cor upr lip wht, lwr lip longer, blu
Keckiella breviflora	<i>K= filaments attached at 1</i>	K; shrub 5-20dm, wand-lk; lf (ob)lanceolate; flr wht or cream
Keckiella corymbosa		Redwood Penstemon; shrub 3-6dm, wand-lk; lf ovate; flr pk to red
Mimulus bicolor	<i>M= Monkeyflower</i>	ann <27cm, d pubrulent; ped >calyx; cor upr lip wht or yel, lwr yel
Mimulus floribundus		MF; ann 3-50cm, hairy, often slimy; flr yel, pedicel >lf
Mimulus guttatus		MF; ann or P; lf ovate to round; infl raceme, flrs >5; calyx lobes ?
Mimulus inconspicuus		MF; ann <30cm, glab; ped >calyx; cor g rose to lav
Mimulus moschatus		Musk MF; pern fr rhizome, herbage often slimy; yel flr; calyx lobes equal
Mimulus torreyi		T's MF; ann; pedicel < calyx; cor lt rose to purp, 2 gold strips on lwr lip
Penstemon heterophyllus		P; lf lin to oblanc; infl glab to hairy; cor magenta to blu
Penstemon laetus		Gay P; infl gdlr-pubr; cor >20mm, noid glab; lvs lin to oblanc, grn
Penstemon speciosus		Showy P; upr lvs lanc; cor 25-35mm, sky blu, glab, noid glab (tip hairy)
Verbascum blattaria		MothMullein; bien <12dm, glab below; infl term raceme; flrs yel or why, showy
Veronica serpyllifolia		Speedwell; pern rhizomed; infl term; cor 5-8mm, pl blu to wht, tube hairy w/in
Veronica wormskjoldii		Speedwell; pern rhizom'd, stems pubes; cor 5-10mm, glab w/in, style <1.3mm
SOLANACEAE		
Solanum xantii	<i>S= BlueWitch</i>	X's BW; grn stems,?weakly ridged, g hairy; cor shallowly lobed, lobes <tube
STYRACACEAE		
Styrax officinalis		Snowdrop Bush; shrub 1-4m; lvs alt, decid, entire
VIOLACEAE		
Viola douglasii	<i>V= pern</i>	D's Violet; upr 2petals yel, brn on back; lvs well pinnate

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Viola glabella	Stream V; cor deep yel; st lvs & flrs clustered at top of stem
Viola lobata	V; essentially one lf, deeply cut
Viola macloskeyi	M's V; <u>cor wht, wet areas</u>
Viola purpurea	V; fr woody taproot; flr yel, upr 2 petal purp outside; lf ±ovate
Viola sheltonii	S's V; lvs ternate 1-2x; 2 outer petals w/club top hairs inside
VISCACEAE	
Phoradendron villosum	<i>P= stem g >20cm</i> Oak Mistletoe; lf >15-47cm, v d short hairy; primarily on oak