

2. phyllaries strongly graded; basal lvs 0, cauline gen evenly sized and spaced; infls arising near st tips; per

3. phyllaries glandular .... var. *breweri*

3'. phyllaries non-glandular ... var. *covillei*

2'. phyllaries roughly equal; cauline lvs reduced upwards; infls arising near mid-stem; ann to biennial *E. divergens*

1'. phyllary tips spreading to reflexed; lvs gen reduced upwards; per to subshrub

2. lvs green, linear, often toothed; resembling those of a penstemon in being rigidly spreading; gen per ..... *Machaeranthera canescens*

2'. lvs gray, "half-tomentose", usually ascending; subshrub ..... *Lessingia filaginifolia* var. *filaginifolia*

[http://tchester.org/sb/plants/guides/fish\\_creek.html](http://tchester.org/sb/plants/guides/fish_creek.html)

Updated 14 October 2013.

## Plant Guide to Aspen Grove / Fish Creek Trail, San Bernardino Mountains

Mile	S	#	id?	Common Name	Latin Name	#here	#all
0.00				Trailhead at parking lot in front of kiosk / display board, elevation 7410 feet (2260 m). Trail is in sun for first 1/4 mile, then mostly in shade. (Coville's fleabane, <i>Erigeron breweri</i> var. <i>covillei</i> , is found in the parking area, but not so far on the trail).			
0.00	b	1		threadleaf common rabbitbrush	<i>Chrysothamnus nauseosus</i> ssp. <i>consimilis</i>	20 / 5	14
0.00	r	2		hoary-aster	<a href="#"><i>Machaeranthera canescens</i> var. <i>canescens</i><sup>+</sup></a>	50 / 9	3
0.00	b	3		Wright's buckwheat	<i>Eriogonum wrightii</i> var. <i>subscaposum</i>	40 / 6	11
0.00	l	4		California squirreltail	<i>Elymus elymoides</i> ssp. <i>californicus</i>	50 / 9	8
0.00	r	5		Nevin's bird's beak	<i>Cordylanthus nevinii</i>	30 / 5	5
0.00	l	6		yarrow	<i>Achillea millefolium</i>	20 / 4	11
0.00	b	7		Martin's paintbrush	<a href="#"><i>Castilleja applegatei</i> ssp. <i>martinii</i><sup>+</sup></a>	30 / 4	14
0.00	r			Information board			
0.00	r	8		Davidson's lotus	<i>Lotus nevadensis</i> var. <i> davidsonii</i>	10 / 3	7
0.00	r	9		pinewoods rock-cress	<i>Arabis holboellii</i> var. <i>pinetorum</i>	99 / 9	2
0.00	l	10		*desert crested wheatgrass	<i>Agropyron desertorum</i>	3 / 1	3
0.00	l	11		matchweed	<i>Gutierrezia sarothrae</i>	20 / 1	4
0.00	r	12		spreading fleabane	<a href="#"><i>Erigeron divergens</i><sup>+</sup></a>	50 / 9	3
0.00	r	13		California brome	<i>Bromus carinatus</i> var. <i>carinatus</i>	10 / 3	14
0.00	l	14		*downy brome	<i>Bromus tectorum</i>	99 / 9	19
0.00	l	15		Parish's buckwheat	<i>Eriogonum parishii</i>	20 / 3	3
0.00	l	16		groundsmoke	<i>Gayophytum diffusum</i> ssp. <i>parviflorum</i>	99 / 9	11
0.00	l	17		San Gabriel beardtongue	<i>Penstemon labrosus</i>	30 / 9	6
0.00	r	18		California black oak	<i>Quercus kelloggii</i>	1 / 1	11
0.00	r	19		green-leaf manzanita	<i>Arctostaphylos patula</i>	99 / 9	10
0.00	r	20		California-aster	<i>Lessingia filaginifolia</i> var. <i>filaginifolia</i>	30 / 5	41
0.00	r	21		Mojave linanthus	<i>Linanthus breviculus</i>	50 / 2	4

0.00	l	22	sulphur buckwheat	<i>Eriogonum umbellatum</i> var. <i>munzii</i>	30 / 4	9	1.29	b	141	Wheeler's cinquefoil	<i>Potentilla wheeleri</i>	20 / 1	2
0.00	r	23	plain mariposa lily	<i>Calochortus invenustus</i>	2 / 2	7	1.29	b	142	mat muhly	<i>Muhlenbergia richardsonis</i>	2 / 1	2
0.00	r	24	curl-leaf mountain-mahogany	<i>Cercocarpus ledifolius</i> var. <i>intermontanus</i>	5 / 3	8	1.30	r		(pussy paws, <i>Calyptridium monospermum</i> )			
0.00	l		Jct. "scramble path" from parking lot.				1.30	r	143	Parry's sand cress	<i>Calyptridium parryi</i> var. <i>parryi</i>	20 / 2	3
0.00	b	25	Fendler's blue grass	<i>Poa fendleriana</i> ssp. <i>longiligula</i>	99 / 9	2	1.33	b	144	ssp California evening-primrose	<a href="#"><i>Oenothera californica</i><sup>+</sup></a>	10 / 1	2
0.01	l	26	golden yarrow	<i>Eriophyllum confertiflorum</i> var. <i>confertiflorum</i>	30 / 5	46	1.33	b	145	fine-flower gilia	<i>Gilia leptantha</i> ssp. <i>leptantha</i>	20 / 2	1
0.01	l	27	dense false-gilia	<i>Allophyllum gilioides</i> ssp. <i>violaceum</i>	10 / 1	1	1.37	b	146	spineless horsebrush	<i>Tetradymia canescens</i>	20 / 9	5
0.01	l	28	Johnston's knotweed	<i>Polygonum douglasii</i> ssp. <i>johnstonii</i>	10 / 1	1	1.48	l		Field of young pussypaws, <i>Calyptridium monospermum</i> .			
0.01	l	29	needle & thread grass	<i>Hesperostipa comata</i> ssp. <i>comata</i>	5 / 1	1	1.48	l	147	pussy paws	<i>Calyptridium monospermum</i>	20 / 2	4
0.01	l	30	Ross' sedge	<i>Carex rossii</i>	30 / 9	2	1.57			Cross Fish Creek.			
0.01	l		Jct. trail from south end of parking lot.				1.59	l		Jct. (old?) trail; continue straight.			
0.01	l	31	one-sided bluegrass	<i>Poa secunda</i> ssp. <i>secunda</i>	30 / 5	21	1.59	l		A mature short black cottonwood, 5 feet high, trunk 5 cm diameter, with lvs ~2 cm in width in 2002; 2.5-4.5 cm in width, most 3.0 cm, in 2003; and 2.0-3.1 cm in width, most 2.7-3.0 cm, in 2004.			
0.02	r	32	Brewer's fleabane	<i>Erigeron breweri</i> var. <i>breweri</i>	30 / 5	1	1.61			Trail jags left.			
0.02	r	33	purple-root cryptantha	<i>Cryptantha micrantha</i>	99 / 5	6	1.64	l		Field of mature pussypaws, <i>Calyptridium monospermum</i> .			
0.02	r	34	mountain mugwort	<i>Artemisia ludoviciana</i> ssp. <i>incompta</i>	99 / 9	5	1.66	b	148	Jepson's blue wildrye	<i>Elymus glaucus</i> ssp. <i>jepsonii</i>	10 / 1	9
0.02	r	35	granite prickly phlox	<i>Leptodactylon pungens</i>	30 / 5	4	1.66	r	149	cobwebby hedge-nettle	<i>Stachys albens</i>	3 / 1	4
0.03	r	36	Jeffrey pine	<i>Pinus jeffreyi</i>	50 / 9	19	1.66			Cross small drainage.			
0.03	r	37	forest goosefoot	<i>Chenopodium atrovirens</i>	99 / 9	3	1.70	b	150	spreading dogbane	<a href="#"><i>Apocynum androsaemifolium</i><sup>+</sup></a>	10 / 1	3
0.04	r	38	canyon lotus	<i>Lotus argyraeus</i> var. <i>argyraeus</i>	4 / 2	1	1.71			Trail jags left.			
0.04	l	39	narrowleaf monardella	<i>Monardella linoides</i> ssp. <i>stricta</i>	50 / 9	6	1.79			Switchback left.			
0.05	r	40	white fir	<i>Abies concolor</i>	99 / 9	18	1.80			Switchback right.			
0.05	l	41	goldenrod	<i>Solidago californica</i>	50 / 5	26	1.87	l	151	clustered fleabane	<a href="#"><i>Erigeron aphanactis</i> var. <i>congestus</i><sup>+</sup></a>	6 / 2	1
	r	42	Modoc gilia	<i>Gilia modocensis</i>	5 / 1	3	1.93	l		Jct. (old trail to Lower Fish Creek Meadow?)			
0.09	l	43	canyon live oak	<i>Quercus chrysolepis</i>	3 / 2	19	2.00			End trail at jct. with Upper Fish Creek Trail, elevation 7980 feet (2430 m); see its plant trail guide to continue, or return the way you came.			
0.09	l	44	mountain whitethorn	<i>Ceanothus cordulatus</i>	40 / 9	13							
0.09	l	45	western wallflower	<i>Erysimum capitatum</i> ssp. <i>capitatum</i>	99 / 9	15							
0.11	l	46	Parry's sunflower	<i>Hulsea vestita</i> ssp. <i>parryi</i>	40 / 7	2							
0.11	r	47	wild tarragon	<i>Artemisia dracunculus</i>	50 / 5	21							
0.11	l	48	splendid gilia	<i>Gilia splendens</i> ssp. <i>splendens</i>	50 / 2	6							
0.12	r	49	purple nightshade	<i>Solanum xanti</i>	5 / 1	12							
0.12	r		(California false-indigo, <i>Amorpha californica</i> var. <i>californica</i> )										

#### *Aster separation.*

Here is a key to separate the five similar *Asteraceae* on this trail with purple ligules:

1. phyllary tips appressed; lvs reduced upwards or not; annual to per ... *Erigeron*

0.99	l	118	bristly-leaved rock-cress	<a href="#"><u>Arabis rectissima var. rectissima</u></a> <sup>+</sup>	5 / 2	2	0.12	l	50	spear-leaved mountain dandelion	<i>Agoseris retrorsa</i>	5 / 2	12
1.00			Cross dry drainage.				0.13	r	51	Davidson's buckwheat	<i>Eriogonum davidsonii</i>	40 / 2	16
1.10	b	119	rosy everlasting, pussytoes	<i>Antennaria rosea ssp. confinis</i>	20 / 1	1	0.13	l	52	slender everlasting	<i>Gnaphalium canescens ssp. thermale</i>	20 / 3	2
1.11	r	120	Nevada cinquefoil	<i>Potentilla glandulosa ssp. nevadensis</i>	20 / 3	9	0.14	l	53	southern montane grape lupine	<i>Lupinus excubitus var. austromontanus</i>	20 / 2	3
1.14	r	121	horsetail	<i>Equisetum hyemale ssp. affine</i>	30 / 1	3	0.15	l	54	pine cryptantha	<i>Cryptantha simulans</i>	5 / 1	1
1.16			Cross small seasonally-moist drainage.				0.15	b	55	southern mountain woolly-star	<a href="#"><u>Eriastrum densifolium ssp. austromontanum</u></a> <sup>+</sup>	20 / 3	9
1.16	l		(arrowhead butterweed, <i>Senecio triangularis</i> ; sparse-flowered bog-orchid, <i>Platanthera sparsiflora</i> )				0.16	l	56	Parish's needlegrass	<a href="#"><u>Achnatherum parishii</u></a> <sup>+</sup>	10 / 2	5
1.16	l	122	meadow starwort	<i>Stellaria longipes var. longipes</i>	3 / 1	1	0.16	l		(bird's-foot fern, <i>Pellaea mucronata var. mucronata</i> )			
1.16	b	123	giant red paintbrush	<i>Castilleja miniata ssp. miniata</i>	10 / 2	5	0.17	l	57	slender bedstraw	<a href="#"><u>Galium angustifolium ssp. gracillimum</u></a> <sup>+</sup>	1 / 1	1
1.16	r	124	pearlwort	<i>Sagina saginoides</i>	/		0.17	l	58	Wheeler's common madia	<i>Madia elegans ssp. wheeleri</i>	10 / 1	2
1.16	r		(little false-solomon's-seal, <i>Smilacina stellata</i> )				0.17	l	59	*yellow salsify	<a href="#"><u>Tragopogon dubius</u></a> <sup>+</sup>	10 / 2	5
1.16	r	125	variegated clover	<a href="#"><u>Trifolium variegatum phase 2</u></a> <sup>+</sup>	50 / 2	2	0.17	l	60	incense-cedar	<i>Calocedrus decurrens</i>	4 / 3	11
1.16	r	126	long-anthered rush	<i>Juncus macrandrus</i>	20 / 1	2	0.22	l	61	California false-indigo	<i>Amorpha californica var. californica</i>	2 / 2	2
1.17			Third location of lemon lily.				0.22	b	62	smoothleaf yerba santa	<i>Eriodictyon trichocalyx var. trichocalyx</i>	3 / 1	6
1.19	r	127	Parish's lupine	<i>Lupinus latifolius var. parishii</i>	6 / 1	3	0.22	c	63	wild pepper-grass	<i>Lepidium virginicum var. pubescens</i>	10 / 3	5
1.19	r	128	fireweed	<i>Epilobium angustifolium ssp. circumvagum</i>	10 / 1	3	0.22	r	64	woodland spurge	<i>Euphorbia palmeri</i>	10 / 3	2
1.20	r	129	Parish's alumroot	<i>Heuchera alpestris</i>	1 / 1	2	0.27	r	65	interior rose	<i>Rosa woodsii var. ultramontana</i>	50 / 5	5
1.20	r	130	larger mountain monkeyflower	<i>Mimulus tilingii</i>	/			l		(spineless horsebrush, <i>Tetradymia canescens</i> )			
1.20	r	131	musk monkeyflower	<i>Mimulus moschatus</i>	20 / 2		0.30			Trail turns right to cross stream; the rest of the trail is now almost entirely in shade.			
1.21		132	fir mistletoe	<i>Phoradendron pauciflorum</i>	1 / 1	9	0.30	r		Sign: "Wilderness permit required before entry". (free; available from Mill Creek Forest Service Office)			
1.21	b	133	Idaho bentgrass	<i>Agrostis idahoensis</i>	10 / 1	2	0.31	l	66	mountain pink currant	<i>Ribes nevadense</i>	30 / 5	6
1.22	r	134	*common dandelion	<i>Taraxacum officinale</i>	25 / 2	4	0.31	l	67	Richardson's geranium	<i>Geranium richardsonii</i>	40 / 5	3
1.22	r		Gopher tunnel "casts" from gophers making tunnels in snow and then filling them with dirt.				0.31	l	68	mountain sweet-cicely	<i>Osmorhiza chilensis</i>	3 / 1	5
	r	135	San Bernardino rubber rabbitbrush	<i>Chrysothamnus nauseosus ssp. bernardinus</i>	/		0.31	l	69	arroyo willow	<i>Salix lasiolepis</i>	30 / 5	28
1.23	r	136	spike bentgrass	<i>Agrostis exarata</i>	5 / 1	3	0.31	l	70	hairy wood rush	<i>Luzula comosa</i>	5 / 2	1
1.26	l	137	Mexican rush	<i>Juncus mexicanus</i>	30 / 5	10	0.31	l	71	Kentucky blue grass	<i>Poa pratensis ssp. agassizensis</i>	5 / 2	4
1.28			Cross small drainage and enter Monkey Flower Flat.				0.31	l	72	slender hairgrass	<i>Deschampsia elongata</i>	10 / 2	2
1.28	b	138	fringed brome	<i>Bromus ciliatus</i>	5 / 1	3	0.31	l	73	scarlet monkeyflower	<i>Mimulus cardinalis</i>	3 / 1	8
1.28	b	139	Letterman's needlegrass	<i>Achnatherum lettermanii</i>	5 / 1	3							
1.28	r	140	Big Bear Valley milk-vetch	<i>Astragalus lentiginosus var. sierrae</i>	5 / 1	1							

0.31	l	74	western columbine	<i>Aquilegia formosa</i>	20 / 5	5	0.39	Cross small dry drainage					
0.31	b	75	willowherb	<i>Epilobium ciliatum ssp. ciliatum</i>	30 / 3	16	0.41	Switchback left.					
0.31	l	76	winter cress	<i>Barbarea orthoceras</i>	20 / 2	6	0.42	Trail curves right.					
0.31	l	77	*perennial mouse-ear chickweed	<i>Cerastium fontanum ssp. vulgare</i>	20 / 2	2	0.43	r	100	beaked penstemon	<i>Penstemon rostriflorus</i>	30 / 9	10
0.31	l	78	cow parsnip	<i>Heracleum lanatum</i>	1 / 1	2	0.43	r	101	black cottonwood	<a href="#"><i>Populus balsamifera ssp. trichocarpa</i><sup>+</sup></a>	99 / 9	6
0.31	l	79	fragile sheath sedge	<i>Carex fracta</i>	5 / 1	6		l	102	3yellow willow	<i>Salix lutea</i>		/
0.31	l	80	Southern California draba	<i>Draba corrugata var. corrugata</i>	20 / 3	2	0.44	l	103	Grinnell's beardtongue	<i>Penstemon grinnellii var. grinnellii</i>	20 / 4	13
0.31	l	81	small white violet	<i>Viola macloskeyi</i>	5 / 1	1	0.45	Trail curves right.					
0.31	l	82	rigid hedge-nettle	<i>Stachys ajugoides var. rigida</i>	3 / 1	3	0.46	l	Plants here have narrower leaves, almost like those of the former taxon of narrow-leaved black cottonwood, <i>Populus trichocarpa var. ingrata</i> .				
0.31	l	83	stinging nettle	<i>Urtica dioica ssp. holosericea</i>	3 / 2	10	0.46	b	104	mountain spray	<i>Holodiscus microphyllus var. microphyllus</i>	3 / 1	6
0.31	l	84	lemon lily	<i>Lilium parryi</i>	6 / 3	3	0.48	l	105	Lemmon's willow	<i>Salix lemmonii</i>	2 / 2	2
0.31	l	85	thyme-leaved speedwell	<i>Veronica serpyllifolia ssp. humifusa</i>	10 / 1	1	0.48	r	106	Anderson's lupine	<a href="#"><i>Lupinus andersonii</i><sup>+</sup></a>	10 / 4	2
0.31	r	86	common monkeyflower	<i>Mimulus guttatus</i>	30 / 3	2	0.55	l	Optional excursion to descend creek bank 15 steps to creek, which has the second occurrence of lemon lily, and three species also found later on the trail: horsetail, <i>Equisetum hyemale ssp. affine</i> , variegated clover, <i>Trifolium variegatum phase 2</i> , and cobwebby hedge-nettle, <i>Stachys albens</i> .				
0.31	r	87	swamp sedge	<i>Carex senta</i>	99 / 9	2	0.56	r	107	pine lousewort	<i>Pedicularis semibarbata</i>	20 / 9	9
0.31	r	88	field horsetail	<i>Equisetum arvense</i>	25 / 3	2	0.57	l	Jct. path to water. Stay on trail.				
0.31	r	89	American speedwell	<i>Veronica americana</i>	10 / 1	2	0.60	l	108	ranger's buttons	<i>Sphenosciadium capitellatum</i>	10 / 2	4
0.31	r	90	Scouler's St. Johnswort	<i>Hypericum formosum var. scouleri</i>	10 / 1	3	0.65	r	Giant incense cedar ( <i>Calocedrus decurrens</i> ) with huge lightning scar. It is still alive despite having no visible bark!				
0.31	l	(yellow willow, <i>Salix lutea</i> ; large-leaf avens, <i>Geum macrophyllum</i> )					0.69	r	109	Parish's bedstraw	<i>Galium parishii</i>	10 / 5	4
0.31		Cross Fish Creek which has flowing water; elevation ~7280 feet (2220 m), the low point on the trail.					0.70	l	110	San Bernardino beardtongue	<i>Penstemon caesius</i>	10 / 9	3
0.32	r	91	quaking aspen	<i>Populus tremuloides</i>	30 / 1	1	0.70	l	111	Scouler's willow	<i>Salix scouleriana</i>	5 / 4	3
0.33	l	Sign: "San Gorgonio Wilderness".					0.73	b	112	(blue elderberry, <i>Sambucus mexicana</i> )			
0.33	l	(white bog orchid, <i>Platanthera leucostachys</i> )					0.81	l	113	scattered blazing star	<i>Mentzelia dispersa</i>	10 / 2	3
0.34	r	Jct. Aspen Grove Trail. Go left on Fish Creek Trail					0.82	l	114	Scouler's willow	<i>Salix scouleriana</i>	5 / 4	3
0.34	b	92	smooth scouring rush	<i>Equisetum laevigatum</i>	99 / 9	3	0.82	l	114	blue elderberry	<i>Sambucus mexicana</i>	5 / 5	39
0.34	b	93	Parish's snowberry	<i>Symphoricarpos rotundifolius var. parishii</i>	99 / 9	10	0.82	Cross dry drainage.					
0.36	l	94	*prickly lettuce	<i>Lactuca serriola</i>	1 / 1	26	0.88	b	115	Parish's campion	<i>Silene parishii</i>	20 / 4	6
0.36	r	95	wax currant	<i>Ribes cereum var. cereum</i>	5 / 2	11	0.88	r	116	perennial rock-cress	<i>Arabis perennans</i>	5 / 1	2
0.36	l	96	alkali western tansy-mustard	<i>Descurainia pinnata ssp. halictorum</i>	50 / 4	4	0.94	r	117	ragged-leaf bahia	<i>Bahia dissecta</i>	2 / 1	1
0.36	r	97	Fendler's meadow-rue	<i>Thalictrum fendleri var. fendleri</i>	10 / 4	3	0.94	r	Sign high on tree: "No camping here".				
0.37	r	98	creeping wild rye	<i>Leymus triticoides</i>	99 / 9	6							
0.39	l	99	Utah service-berry	<i>Amelanchier utahensis</i>	2 / 2	7							