

**Plant Guide to Laws Loop (Willow Creek Trail, Laws Camp, Caramba Trail),
 San Jacinto Mountains**

Mile	S	#	id?	Common Name	Latin Name	#here	#all
0.00				Begin trail at Saddle Junction; elevation 8075 feet (2460 m)			
0.00	b	1		Jeffrey pine	<i>Pinus jeffreyi</i>	99 / 9	15
0.00	b	2		white fir	<i>Abies concolor</i>	99 / 9	15
0.01	1			Sign: "Skunk Cabbage; Willow Creek; Long Valley" with an arrow pointing ahead.			
0.02	b	3		Sierra Nevada lotus	<i>Lotus nevadensis</i> var. <i>nevadensis</i>	99 / 9	3
0.02	1	4		pinegrove gayophytum	Gayophytum oligospermum [±]	30 / 5	12
0.02	1			(San Gabriel beardtongue, <i>Penstemon labrosus</i> ; Parish's snowberry, <i>Symphoricarpos rotundifolius</i> var. <i>parishii</i>)			
0.02	b	5		one-seeded pussypaws	<i>Calyptidium monospermum</i>	50 / 3	3
0.03	r			(Elmer's needlegrass, <i>Achnatherum occidentale</i> ssp. <i>pubescens</i>)			
0.03	r			(squirreltail, <i>Elymus elymoides</i>)			
0.05	b	6		Parish's snowberry	<i>Symphoricarpos rotundifolius</i> var. <i>parishii</i>	99 / 9	7
0.06				Trail turns left 90°			
0.07	1	7		San Gabriel beardtongue	<i>Penstemon labrosus</i>		/
0.07	1			(western wallflower, <i>Erysimum capitatum</i> ssp. <i>capitatum</i>)			
0.07	1	8		Fremont's goosefoot	<i>Chenopodium fremontii</i>	99 / 5	
0.07	1	9		groundsmoke	<i>Gayophytum diffusum</i> ssp. <i>parviflorum</i>	99 / 2	
0.07	1	10		changeable phacelia	<i>Phacelia mutabilis</i>	99 / 9	5
0.09	b	11		fragile sheath sedge	<i>Carex fracta</i>	99 / 9	4
0.09	r			(Scouler's willow, <i>Salix scouleriana</i>)			
0.09	r	12		western wallflower	<i>Erysimum capitatum</i> ssp. <i>capitatum</i>	50 / 9	12
0.09	b	13		fringed brome	<i>Bromus ciliatus</i>		/
0.09	r	14		Nevada cinquefoil (now only off-trail here; seen on-trail one year)	<i>Potentilla glandulosa</i> ssp. <i>nevadensis</i>	10 / 3	26
0.09				Cross dry drainage.			

0.09	r	15	Brewer's monkeyflower	<i>Mimulus breweri</i>	5 / 1	15	2.74	r	93	~	slender wheatgrass	<i>Elymus trachycaulus</i>	20 / 9
0.09	r		(musk monkeyflower, <i>Mimulus moschatus</i> ; larger mountain monkeyflower, <i>Mimulus tilingii</i>)				2.74	r			(Fendler's meadow-rue, <i>Thalictrum fendleri</i> var. <i>fendleri</i>)		
0.09	l	16	bracken	<i>Pteridium aquilinum</i> var. <i>pubescens</i>	99 / 9	7	2.76	l			(Campsites on other side of Willow Creek)		
0.09	r	17	wax currant	<i>Ribes cereum</i> var. <i>cereum</i>	20 / 9	14	2.76	r	94		Hall's brome	<i>Bromus orcuttianus</i> var. <i>hallii</i>	/
0.12	r		(pine lousewort, <i>Pedicularis semibarbata</i>)				2.83				Laws Jct.; jct. Caramba Trail; go right on it; low point on loop, elevation ~7425 feet (2263 m)		
0.13	r	18	San Jacinto lupine	<i>Lupinus hyacinthinus</i>	99 / 9	2	3.18	r	95		leafy daisy	<i>Erigeron foliosus</i> var. <i>foliosus</i>	2 / 2
0.13	r	19	pine lousewort	<i>Pedicularis semibarbata</i>	50 / 9		3.20	l			(Martin's paintbrush, ~ <i>Castilleja applegatei</i> ssp. <i>martinii</i> ; only ones seen in 2007)		
0.13	l	20	white catch-fly	<i>Silene verecunda</i> ssp. <i>platyota</i>	50 / 9	7	3.24	r	96		Sierra gooseberry	<i>Ribes roezlii</i> var. <i>roezlii</i>	/
0.13	l		(spotted coralroot, <i>Corallorhiza maculata</i>)				3.27	r	97		tall trisetum	<i>Trisetum canescens</i>	/
0.16	l	21	Cleveland's horkelia	<i>Horkelia clevelandii</i>	5 / 1		3.27				Cross lush creek without water		
0.19	r		(California corn lily, <i>Veratrum californicum</i> var. <i>californicum</i>)				3.27	l	98	sp	bigleaf lupine	<i>Lupinus polyphyllus</i> var. <i>burkei</i>	/
0.19	b	22	spotted coralroot	<i>Corallorhiza maculata</i>	30 / 9	1	3.28	l	99		thimbleberry	<i>Rubus parviflorus</i>	10 / 1
0.19	r		(pinedrops, <i>Pteropora andromeda</i>)				3.28	l			(California geranium, <i>Geranium californicum</i> , along bank of creek)		
0.19	l		(mountain mugwort, <i>Artemisia ludoviciana</i> ssp. <i>incompta</i>)				3.35				Trail curves left at small drainage		
0.30	l		(slender wheatgrass, <i>Elymus trachycaulus</i>)								(closer California corn lily, <i>Veratrum californicum</i> var. <i>californicum</i>)		
0.31	l	23	purple false-gilia	<i>Allophyllum divaricatum</i>	5 / 1		3.66	l			First good view of Tahquitz Creek		
0.34	r	24	mountain mugwort	<i>Artemisia ludoviciana</i> ssp. <i>incompta</i>	99 / 9	4	3.71	l	100		splendid gilia	<i>Gilia splendens</i> ssp. <i>splendens</i>	50 / 5
0.37	r	25	little false-solomon's-seal	<i>Smilacina stellata</i>	20 / 2	3	3.73	r	101		Utah service-berry	<i>Amelanchier utahensis</i>	1 / 1
0.37	l	26	plain mariposa lily	<i>Calochortus invenustus</i>	5 / 2		3.76				Cross drainage in moist area		
0.37	l	27	~ Check for pine violet	<i>Viola pinetorum</i> ssp. <i>pinetorum</i>	2 / 1	1	3.86	r					
0.37	r		(California brome, <i>Bromus carinatus</i> var. <i>carinatus</i>)				3.89	r	102		spear-leaved mountain dandelion	<i>Agoseris retrorsa</i>	3 / 1
0.37	b	28	yarrow	<i>Achillea millefolium</i>	40 / 5	9	3.90	r	103		Fendler's meadow-rue	<i>Thalictrum fendleri</i> var. <i>fendleri</i>	10 / 3
0.37	r		(ranger's buttons, <i>Sphenosciadium capitellatum</i>)				3.97	b	104		Mexican rush	<i>Juncus mexicanus</i>	10 / 1
0.38	l	29	squirreltail	<i>Elymus elymoides</i>	50 / 9		3.98				Cross moist drainage		
0.39	r	30	California brome	<i>Bromus carinatus</i> var. <i>carinatus</i>	50 / 9	10	3.99	r			Sign: "Candy's Creek"		
0.39	b	31	blue wildrye	<i>Elymus glaucus</i> ssp. <i>glaucus</i>	50 / 9	14	4.44				Jct. trail to Skunk Cabbage Meadow (r) and Tahquitz Meadow (l)		
0.39	l	32	Check for Elmer's needlegrass	<i>Achnatherum occidentale</i> ssp. <i>pubescens</i>	2 / 2	1	5.04				Saddle Junction; end loop		
0.39	l		Check for (wild tarragon, <i>Artemisia dracunculus</i>)								Need to look for:		

1.70		Cross creek (short tributary to Willow Creek) with running water; local low point; elevation 7840 feet (2390 m)			0.39	r 33	ranger's buttons	<i>Sphenosciadium capitellatum</i>	30 / 5	3
1.76		Trail turns right 90°			0.39	r	(lemon lily, <i>Lilium parryi</i>)			
1.84	r	Jct trail to Laws; local high point; elevation ~7900 feet (2408 m); turn right and go to Laws Camp			0.40	r	View of Skunk Cabbage Meadow			
1.84	l	Sign: "TBS"			0.41	l 34	Kentucky blue grass	<i>Poa pratensis ssp. agassizensis</i>	/	2
1.84	l 86	~ Holboell's rock-cress	<i>Arabis holboellii</i>	5 / 1	0.41	b 35	abrupt-beak sedge	<i>Carex abrupta</i>	5 / 1	22
1.91	l 87	naked buckwheat	<i>Eriogonum nudum var. pauciflorum</i>	40 / 9	0.41	l 36	musk monkeyflower	<i>Mimulus moschatus</i>	99 / 1	
1.93	l 88	California fuchsia	<i>Epilobium canum</i>	20 / 3	0.41	l 37	Idaho bentgrass	<i>Agrostis idahoensis</i>	/	42
1.93	r 89	canyon live oak	<i>Quercus chrysolepis</i>	20 / 9	0.41	b 38	mountain carpet clover	<i>Trifolium monanthum var. grantianum</i>	/	
1.97		Trail curves right at drainage and then curves left			0.41	b	first on-trail Nevada cinquefoil, <i>Potentilla glandulosa ssp. nevadensis</i> , in 2011			
2.00	r	View of entire Tahquitz ridge								
2.06	b	Trail makes half circle on right on flattened spot; many dead firs with dead fir mistletoe, <i>Phoradendron pauciflorum</i> here			0.41	l 39	glandular willowherb	<i>Epilobium ciliatum ssp. glandulosum</i>	5 / 1	
2.09		Good view of desert			0.41	l 40	western bistort	<i>Polygonum bistortoides</i>	5 / 1	
2.17		Switchback left			0.41	b 41	slender cinquefoil	<i>Potentilla gracilis var. fastigiata</i>	10 / 2	2
2.20		Long switchback right			0.41	l 42	Parish's yampah	<i>Perideridia parishii</i>	5 / 1	14
2.21	l	(nearby incense-cedar, <i>Calocedrus decurrens</i>)			0.41	l 43	~ western marsh cudweed	<i>Gnaphalium palustre</i>	10 / 1	
2.21	r	~ (pine dwarf-mistletoe, <i>Arceuthobium campylopodum</i>)			0.41	l 44	slender hairgrass	<i>Deschampsia elongata</i>	50 / 3	
2.28		Switchback left			0.41	r 45	mat muhly	<i>Muhlenbergia richardsonis</i>	1 / 1	
2.28	r	(California-aster, <i>Lessingia filaginifolia var. filaginifolia</i>)			0.42	l 46	lemon lily	<i>Lilium parryi</i>	20 / 3	
2.32	l 90	beautiful hulsea	<i>Hulsea vestita ssp. callicarpha</i>	10 / 2	0.42	r	(Parish's lupine, <i>Lupinus latifolius var. parishii</i>)			
2.33		Trail curves right			0.45	r 47	goldenrod	<i>Solidago californica</i>	50 / 5	22
2.41	r 91	incense-cedar	<i>Calocedrus decurrens</i>	20 / 3	0.46		Cross small drainage			
2.47	r	(Interesting green-leaf manzanita, <i>Arctostaphylos patula</i> , which split a boulder)			0.47	b 48	rigid hedge-nettle	<i>Stachys ajugoides var. rigida</i>	20 / 2	
2.57		Switchback left			0.48	r 49	long-anthered rush	<i>Juncus macrandrus</i>	10 / 1	
2.64	l	Check to make sure this honking grass is <i>Poa pratensis</i>			0.48	r 50	larger mountain monkeyflower	<i>Mimulus tilingii</i>	50 / 9	
2.67		Trail curves right			0.48	l 51	tinker's penny	<i>Hypericum anagaloides</i>	10 / 1	
2.71	l	~ (~willowherb, ~ <i>Epilobium ciliatum ssp. ?</i>)			0.48	b 52	thyme-leaved speedwell	<i>Veronica serpyllifolia ssp. humifusa</i>	10 / 1	
2.71		Cross Willow Creek again; elevation 7440 feet (2268 m)			0.48	l 53	swamp sedge	<i>Carex senta</i>	30 / 3	
2.72	r	Sign: "Willow Creek (back); Long Valley (back)"; Trail turns left 90°			0.48	l 54	small white violet	<i>Viola macloskeyi</i>	2 / 1	19
2.74	b 92	breakfast bedstraw	<i>Kelloggia galioides</i>	50 / 3	0.48		Cross wet drainage with a low depression to the left.			

0.48	r	55	floriferous monkeyflower	<i>Mimulus floribundus</i>	20 / 2	1.12	l	?	(~Martin's paintbrush, ~ <i>Castilleja applegatei</i> ssp. <i>martinii</i> ; Sierra gooseberry, <i>Ribes roezlii</i> var. <i>roezlii</i>)		
0.48	b	56	spike bentgrass	<i>Agrostis exarata</i>	10 / 1	1.13			Trail curves left at ridge		
0.52	r		Skunk Cabbage Jct.: elevation ~8000 feet (2438 m); jct. trail to Tahquitz Valley; continue ahead; trail flat for next 0.3 miles			1.15	r		(fir dwarf-mistletoe, <i>Arceuthobium abietinum</i>)		
0.61	r	57	pinetrops	<i>Pterospora andromedea</i>	20 / 9	1.16	r	68	California black oak	<i>Quercus kelloggii</i>	1 / 1
0.61	l	58	wild tarragon	<i>Artemisia dracunculus</i>	99 / 9	1.17	l	69	hybrid manzanita	<i>Arctostaphylos patula</i> X <i>A. pringlei</i> ssp. <i>drupacea</i>	1 / 1
0.61	l		Jct. trail to campsite			1.18	l	70	giant red paintbrush??	<i>Castilleja miniata</i> ssp. <i>miniata</i> ??	1 / 1
0.74	b	59	San Bernardino rubber rabbitbrush	<i>Chrysothamnus nauseosus</i> ssp. <i>bernardinus</i>	30 / 9	1.19	l		(canyon live oak, <i>Quercus chrysolepis</i>)		
0.74	r		Jct. trail to campsite			1.25			(Martin's paintbrush, ~ <i>Castilleja applegatei</i> ssp. <i>martinii</i>)		
0.77			Leave bracken and wet area			1.25			Trail curves left at ridge		
0.78	l		(*downy brome, <i>Bromus tectorum</i>)			1.26	b	71	bush chinquapin	<i>Chrysolepis sempervirens</i>	50 / 9
0.80		60	Trail resumes descent			1.31	b	72	green-leaf manzanita	<i>Arctostaphylos patula</i>	50 / 9
0.81	b	61	Wright's buckwheat	<i>Eriogonum wrightii</i> var. <i>subscaposum</i>	50 / 9	1.32	b	73	sugar pine	<i>Pinus lambertiana</i>	/
0.81	l		(green-leaf manzanita, <i>Arctostaphylos patula</i>)			1.35	l	sp	(<i>Cordylanthus</i> sp.)		
0.81	b	62	mountain whitethorn	<i>Ceanothus cordulatus</i>	40 / 9	1.36	r		(snow-plant, <i>Sarcodes sanguinea</i>)		
0.88			Cross moist drainage and ascend briefly			1.36	l	74	pipsissewa	<i>Chimaphila umbellata</i>	20 / 1
0.89	l	63	broad-leaved lotus	<i>Lotus crassifolius</i> var. <i>crassifolius</i>	/	1.38	r	75	beaked penstemon	<i>Penstemon rostriflorus</i>	/
0.93	r		short-flowered monardella	<i>Monardella nana</i> ssp. <i>tenuiflora</i>	30 / 9	1.38	r	76	mountain pink currant	<i>Ribes nevadense</i>	10 / 2
0.93	r		(naked buckwheat, <i>Eriogonum nudum</i> var. <i>pauciflorum</i>)			1.41	r	77	western columbine	<i>Aquilegia formosa</i>	5 / 2
0.94			Cross small dry drainage			1.41	b	78	pearlwort	<i>Sagina saginoides</i>	5 / 1
0.98	r	64	~ Scouler's willow	<i>Salix scouleriana</i>	10 / 3	1.41	b	79	brittle bladder fern	<i>Cystopteris fragilis</i>	1 / 1
0.98			Cross drainage; willows resprouting here from small lightning-caused fire in 2000, but kept low by deer			1.41	l		(streambank lotus, <i>Lotus oblongifolius</i> var. <i>oblongifolius</i>)		
0.99	b	65	San Jacinto buckwheat	<i>Eriogonum apiculatum</i>	50 / 5	1.41			Cross Willow Creek; local low point; elevation ~7800 feet (2377 m)		
1.01	l	66	bitter cherry	<i>Prunus emarginata</i>	99 / 9	1.41	r	80	~ tall mannagrass	<i>Glyceria elata</i>	5 / 1
1.01			Cross small drainage			1.41	l	81	glaucus willowherb	<i>Epilobium glaberrimum</i> ssp. <i>glaberrimum</i>	50 / 9
1.01	r	67	zig-zag gayophytum	<i>Gayophytum heterozygum</i>	/	1.41	r	82	western azalea	<i>Rhododendron occidentale</i>	10 / 2
1.06	l		(bush chinquapin, <i>Chrysolepis sempervirens</i>)			1.42	r	83	fir dwarf-mistletoe	<i>Arceuthobium abietinum</i>	5 / 1
1.09			Cross small drainage			1.55	b	84	Grinnell's beardtongue	<i>Penstemon grinnellii</i> var. <i>grinnellii</i>	2 / 1
1.10	l		(incense-cedar, <i>Calocedrus decurrens</i>)			1.58			Local high point; elevation ~7880 feet (2402 m)		
1.12	r		(Grinnell's beardtongue, <i>Penstemon grinnellii</i> var. <i>grinnellii</i>)			1.70	r	85	yellow willow	<i>Salix lutea</i>	2 / 2