

## Anza-Borrego: Plant Guide To Borrego Palm Canyon Nature Trail

	southern California silver-lotus	<i>Lotus argophyllus</i> var. <i>argophyllus</i>	/
193	*white sweetclover	<i>Melilotus albus</i>	/
	scarlet monkeyflower	<i>Mimulus cardinalis</i>	/
	floriferous monkeyflower	<i>Mimulus floribundus</i>	/
194	limestone phacelia	<i>Phacelia affinis</i>	/
195	short-lobed phacelia	<i>Phacelia brachyloba</i>	/
	desert bluebells	<i>Phacelia campanularia</i> ssp. <i>campanularia</i> (= <i>P. nashiana</i> ) <sup>±</sup>	/
	caterpillar phacelia	<i>Phacelia cicutaria</i> var. <i>hispida</i>	/
	*rabbits-foot grass	<i>Polypogon monspeliensis</i>	/
196	tomcat clover	<i>Trifolium willdenovii</i>	/
197	*brome fescue	<i>Vulpia bromoides</i>	/
	hairy six-weeks fescue	<i>Vulpia octoflora</i> var. <i>hirtella</i>	/
Other species seen in 2004 and 2005:			
	Palmer's milk-vetch	<i>Astragalus palmeri</i>	/
198	devil's spineflower	<i>Chorizanthe rigida</i>	/
199	desert dicoria	<i>Dicoria canescens</i>	/
200	Arizona lupine	<i>Lupinus arizonicus</i>	/
201	purple mat	<i>Nama demissum</i> var. <i>demissum</i>	/ 7
202	nemacladus	<i>Nemacladus</i> sp.	/

[http://tchester.org/sd/plants/guides/anza\\_borrego/borrego\\_palm\\_canyon.html](http://tchester.org/sd/plants/guides/anza_borrego/borrego_palm_canyon.html)  
 Last update: 8 February 2010.

mile	s	#	id	Common Name	Latin Name	#here	#all
0.00				Begin trail near northwest end of parking lot; elevation ~835 feet (250 m).			
0.00	1			(Desert pupfish pond, California fan palm, <i>Washingtonia filifera</i> ; American tule, <i>Scirpus americanus</i> )			
0.00	r			(honey mesquite, <i>Prosopis glandulosa</i> var. <i>torreyana</i> )			
0.00	1	1		desert lavender	<i>Hyptis emoryi</i>	99 / 9	47
0.00	b	2		California suncup	<i>Camissonia californica</i>	99 / 9	63
0.00	b	3		*Mediterranean schismus	<i>Schismus barbatus</i>	99 / 9	52
0.00	1	4		desert dandelion	<i>Malacothrix glabrata</i>	50 / 7	18
0.00	1	5		California filago	<i>Filago californica</i>	99 / 9	33
0.00	1	6		*redstem filaree	<i>Erodium cicutarium</i>	99 / 9	84
0.00	1	7		pale sun-cup	<i>Camissonia pallida</i> ssp. <i>pallida</i>	50 / 9	11
0.00	1			(wire-lettuce, <i>Stephanomeria pauciflora</i> var. <i>pauciflora</i> )			
0.00	1	8		brittlebush	<i>Encelia farinosa</i>	99 / 9	55
0.00	b	9		cheesebush	<i>Hymenoclea salsola</i> var. <i>salsola</i>	99 / 9	47
0.00	b	10		common phacelia	<i>Phacelia distans</i> <sup>±</sup>	99 / 9	39
0.00	1	11		alkali western tansy-mustard	<i>Descurainia pinnata</i> ssp. <i>halictorum</i>	99 / 9	8
0.00	b	12		*London rocket	<i>Sisymbrium irio</i>	99 / 9	24
0.00	r	13		desert thornapple	<i>Datura discolor</i> <sup>±</sup>	30 / 9	9
0.00	1	14		creosote bush	<i>Larrea tridentata</i>	99 / 9	56
0.00	1			(Gander's cholla, <i>Opuntia ganderi</i> )			
0.00	1			Drinking fountain, shaded display board, trail brochures.			
0.00	r			Women's flush toilet			
0.00	r	15		*red brome	<i>Bromus madritensis</i> ssp. <i>rubens</i>	50 / 9	86
0.00	r	16		threadstem	<i>Pterostegia drymarioides</i>	20 / 9	47
0.00	r	17		*Asian mustard	<i>Brassica tournefortii</i>	99 / 9	47
0.00	r	18		hairy-podded pepper-grass	<i>Lepidium lasiocarpum</i> var. <i>lasiocarpum</i>	99 / 9	32
0.00	r	19		desert chicory	<i>Rafinesquia neomexicana</i>	50 / 9	26
0.00	1			Sign: "Palm Canyon Trail. [No dogs.]"			
0.00	r	20		Fremont pincushion	<i>Chaenactis fremontii</i>	99 / 9	13
0.00	r	21		popcorn flower	<i>Cryptantha intermedia</i>	99 / 9	38
0.00	r	22		Emory's rock-daisy	<i>Perityle emoryi</i>	99 / 9	30
0.00	r			Jct. old trail to men's flush toilet			
0.00	r	23		pygmy-weed	<i>Crassula connata</i> <sup>±</sup>	40 / 2	37
0.01	r	24		indigo bush	<i>Psoralethamnus schottii</i>	10 / 9	48
0.01	r	25		strigose lotus	<i>Lotus strigosus</i>	50 / 9	53
0.01	r	26		wishbone plant	<i>Mirabilis bigelovii</i> var. <i>retrorsa</i>	30 / 9	30
0.01	r	27		sand cress	<i>Calyptridium monandrum</i>	5 / 2	20
0.01	r	28	~	Texas filaree	<i>Erodium texanum</i>	5 / 1	7

0.01 r 29	purple-root cryptantha	<i>Cryptantha micrantha</i>	10 / 1	20
0.01 r	Sign: "Warning: Trail is hot-dry. Carry 1 gallon of water minimum per person." (sign is meant for summer heat!)			
0.01 r 30	brown-eyed primrose	<i>Camissonia claviformis ssp. peirsonii</i>	30 / 4	26
0.01 r 31	bearded cryptantha	<i>Cryptantha barbiger</i>	99 / 9	22
0.01 b 32	five-wing spiderling	<i>Boerhavia intermedia</i>	99 / 9	10
0.02 l 33	six-weeks three-awn	<i>Aristida adscensionis</i>	30 / 5	16
0.02 l 34	curvenut combseed	<i>Pectocarya recurvata</i>	99 / 9	11
0.02 l 35	whispering bells	<i>Emmenanthe penduliflora var. penduliflora</i>	99 / 9	24
0.02 l 36	wire-lettuce	<i>Stephanomeria pauciflora var. pauciflora</i>	10 / 4	53
0.02 l 37	frost mat	<i>Achyronychia cooperi</i>	2 / 2	8
0.02 l	Sign: "Palm Grove 1.5 mi"			
0.02 r	(narrowleaf ditaxis, <i>Ditaxis lanceolata</i> ; burroweed, <i>Ambrosia dumosa</i> )			
0.02 r 38	big galleta	<i>Pleuraphis rigida</i>	50 / 9	47
0.02 l	Sign: "No dogs, no bicycles".			
0.02 l 39	San Diego birdsfoot lotus	<i>Lotus hamatus</i>	99 / 9	26
0.02 r 40	small-flowered poppy	<i>Eschscholzia minutiflora ssp. minutiflora</i>	40 / 9	16
0.02 r 41	narrowleaf ditaxis	<i>Ditaxis lanceolata</i>	99 / 9	33
0.03 r 42	Gander's cholla	<i>Opuntia ganderi</i>	20 / 9	41
0.03 r 43	Yuma spurge	<i>Chamaesyce setiloba</i>	20 / 2	5
0.03 l 44	rock hibiscus	<i>Hibiscus denudatus</i>	50 / 9	27
0.03 l 45	burroweed	<i>Ambrosia dumosa</i>	50 / 9	52
0.03 r 46	California barrel cactus	<a href="#"><i>Ferocactus cylindraceus</i><sup>±</sup></a>	2 / 2	44
0.03 l	(Pima rhatany, <i>Krameria erecta</i> )			
0.03 l 47	dwarf filago	<i>Filago depressa</i>	20 / 2	2
0.03 l 48	~ *sow thistle	<a href="#"><i>Sonchus oleraceus</i><sup>±</sup></a>	2 / 2	49
0.04 l	Sign: "Mountain Lions / Rattlesnakes ..."			
0.04 l 49	beavertail cactus	<i>Opuntia basilaris var. basilaris</i>	10 / 9	49
0.04 l	Signpost "1" at beavertail cactus: "Don't touch! It has dozens of tiny spines that are painful to the touch and difficult to remove".			
0.05 l 50	needle grama	<i>Bouteloua aristidoides var. aristidoides</i>	30 / 9	7
0.05 l 51	desert trumpet	<a href="#"><i>Eriogonum inflatum</i><sup>±</sup></a>	20 / 9	40
0.06 l 52	California mustard	<i>Guillenia lasiophylla</i>	10 / 1	9
0.06 r 53	small-seeded spurge	<i>Chamaesyce polycarpa</i>	50 / 9	55
0.06 r 54	chinch-weed	<a href="#"><i>Pectis papposa var. papposa</i><sup>±</sup></a>	20 / 5	5
0.06 r 55	trailing four o'clock	<i>Allionia incarnata</i>	50 / 9	11
0.06 r 56	Pima rhatany	<a href="#"><i>Krameria erecta</i><sup>±</sup></a>	20 / 9	16
0.07 r 57	chuparosa	<i>Justicia californica</i>	99 / 9	26

2.68	Trail turns right 90°, now in wash; elevation ~940 feet (285 m).			
2.68 r 180	Bigelow's blue grass	<i>Poa bigelovii</i>	1 / 1	1
2.68 r 181	*slender wild oats	<i>Avena barbata</i>	1 / 1	49
2.70	Trail turns left 90° out of the wash.			
	Check for crossosoma in rock cliffs of Alternate Wash			
2.72	Long curve right 180°			
2.76	Trail turns left 90° into wash.			
2.77	Trail turns right 40° out of wash.			
3.00 l	View of amphitheatre for ranger programs.			
3.03 r	Sign: "Trail is hot-dry, etc.", readable only by hikers going the opposite way.			
3.04	Jct paved road; turn right on it.			
3.05	Enter middle of parking area for the Trail, go left to get back to the trailhead.			
3.05 r	("Trailhead store")			
3.10 l	Desert pupfish pond.			
3.10 l 182	American tule	<i>Scirpus americanus</i>	30 / 1	8
3.11	End guide back at the trailhead; elevation ~835 feet (250 m).			
	Species found in winters, especially in washes after summer / fall monsoonal floods, that were seen in 2004 and 2005, sorted by scientific name, and numbered if they don't appear above either on or off-trail			
	Summer / fall annuals:			
183	fringed amaranth	<i>Amaranthus fimbriatus</i>		/
	desert thornapple	<i>Datura discolor</i>		/
	Higher-elevation spring annuals brought down by floods:			
	Coulter's snapdragon	<i>Antirrhinum coulterianum</i>		/
184	strigose sun-cup	<i>Camissonia strigulosa</i>		/
	Hall's caulanthus	<i>Caulanthus hallii</i>		/
185	San Diego jewelflower	<i>Caulanthus heterophyllus var. heterophyllus</i>		/
186	*mouse-ear chickweed	<i>Cerastium glomeratum</i>		/
	green miner's lettuce	<i>Claytonia parviflora ssp. viridis</i>		/
187	southern Chinese houses	<i>Collinsia concolor</i>		/
188	horseweed	<i>Conyza canadensis</i>		/
	Wallace's woolly daisy	<i>Eriophyllum wallacei</i>		/
189	common bedstraw	<i>Galium aparine</i>		/
	southern gilia	<i>Gilia australis</i>		/
	volcanic gilia	<i>Gilia ochroleuca ssp. exilis</i>		/
190	cotton-batting plant	<i>Gnaphalium stramineum</i>		/
	*foxtail barley	<i>Hordeum murinum</i>		/
191	*prickly lettuce	<i>Lactuca serriola</i>		/
192	spreading loeflingia	<i>Loeflingia squarrosa var. squarrosa</i>		/



0.14 r	(desert-willow, <i>Chilopsis linearis ssp. arcuata</i> )			
0.15 r 75	desert bluebells	<a href="#"><i>Phacelia campanularia ssp. campanularia (=P. nashiana)</i></a> <sup>±</sup>	30 / 4	7
0.16 r 76	*nettle-leaved goosefoot	<i>Chenopodium murale</i>	20 / 5	11
0.16 r	Signpost "4" (gone post 9/04): "Hear any birds? These desert willows create a home for birds like the California quail and the Costa's hummingbird."			
0.17 r 77	apricot mallow	<i>Sphaeralcea ambigua var. ambigua</i>	10 / 9	22
78	Bigelow's monkeyflower	<i>Mimulus bigelovii var. bigelovii</i>	20 / 4	12
0.19 l	(chia, <i>Salvia columbariae</i> )			
0.19 l 79	*tumble pigweed	<a href="#"><i>Amaranthus albus</i></a> <sup>±</sup>	1 / 1	17
0.19 l 80	prickly poppy	<i>Argemone munita</i>	3 / 3	11
0.19 l 81	southern California silver-lotus	<i>Lotus argophyllus var. argophyllus</i>	1 / 1	10
0.19 l 82	hairy six-weeks fescue	<i>Vulpia octoflora var. hirtella</i>	10 / 2	2
0.20 r	Signpost "5" in 2005: "Follow your nose to the desert lavender bush here. Rub the leaves. The leaves change size and texture depending on soil moisture."			
0.20 r 83	baby California fan palm	<a href="#"><i>Washingtonia filifera</i></a> <sup>±</sup>	20 / 3	14
0.22 r 84	short-winged deerweed	<i>Lotus scoparius var. brevisalatus</i>	3 / 3	38
0.23 r 85	fringe-pod	<i>Thysanocarpus curvipes</i>	10 / 2	16
0.25	(catclaw, <i>Acacia greggii</i> , with desert mistletoe, <i>Phoradendron californicum</i> growing on it at eye-level)			
0.26 l 86	*California burclover	<i>Medicago polymorpha</i>	10 / 2	44
0.26 l 87	red maids	<i>Calandrinia ciliata</i>	1 / 1	25
0.27	<b>The trail and area are greatly changed between mile 0.27 and mile 0.34.</b> The following section of the guide is from the old trail. Presumably, many of these species will return eventually. <b>See below for the guide to the new trail.</b>			
0.27	<b>Guide to old trail, which no longer exists</b>			
0.27	Trail turns right 90° to cross flowing water.			
0.29 r	Signpost "5" (pre 9/04)			
0.30 r 88	volcanic gilia	<i>Gilia ochroleuca ssp. exilis</i>	5 / 2	4
0.30 r 89	desert tobacco	<i>Nicotiana obtusifolia</i>	2 / 2	22
0.30 r 90	common monkeyflower	<i>Mimulus guttatus</i>	5 / 1	24
0.30 r 91	southern gilia	<i>Gilia australis</i>	10 / 3	3
0.30 r 92	*celery	<i>Apium graveolens</i>	1 / 1	6
0.30 r 93	*water speedwell	<i>Veronica anagallis-aquatica</i>	5 / 2	5
0.30 r 94	*common cudweed	<i>Gnaphalium luteo-album</i>	2 / 2	22
0.30 r	(lace-fringed spineflower, <i>Chorizanthe fimbriata var. laciniata</i> some distance down wash.)			
0.30 l	~ (scarlet monkeyflower, <i>Mimulus cardinalis</i> some distance up wash)			
0.30	Cross flowing water in season, stepping on rocks; elevation 885 feet (270 m). Trail then curves left 90°. Watch for bighorn sheep beginning here.			
0.30 r 95	*white goosefoot	<i>Chenopodium album</i>	1 / 1	11

1.30 l	(A roughly 5 foot waterfall. You can see a dense grove of palms ahead. California juniper, <i>Juniperus californica</i> , high on cliffs)			
1.31 b	Wright's buckwheat	<i>Eriogonum wrightii var. nodosum</i>	1 / 1	
1.32 l 156	arrow-weed	<i>Pluchea sericea</i>	5 / 2	13
1.32 l	(Fremont cottonwood, <i>Populus fremontii ssp. fremontii</i> )			
1.33 l	(sugar bush, <i>Rhus ovata</i> )			
1.37	A sometimes-confusing junction if the signs are gone; elevation ~1180 feet (360 m). The trail goes right, a bit uphill, not straight along the canyon bottom. Look for a post uphill to your right with an arrow pointing left. The trail going into the Palm Grove is now marked "not a through trail", and most of the Grove is blocked by barriers with signs asking you to stay out and allow the baby palms to grow up.			
1.38 r	<b>Upper Trail Guide:</b> Trail turns left 90° at the post.			
1.44 l	Sign: "At home in a palm oasis". After enjoying the palm grove here, turn around and go back to the jct with the Alternate Trail.			
1.38	<b>Lower Trail Guide:</b> Cross the creek. The following species are found in the creek area below the Palm Grove. No "side" is given since the side depends where you cross.			
1.38 157	horsetail	<i>Equisetum hyemale ssp. affine</i>	30 / 1	13
1.39 158	western ragweed	<i>Ambrosia psilostachya</i>	30 / 2	46
1.39 159	goldenrod	<i>Solidago californica</i>	10 / 1	77
1.39 160	mule fat	<i>Baccharis salicifolia</i>	10 / 1	48
1.39 161	narrowleaf willow	<i>Salix exigua</i>	5 / 1	17
1.39 162	southern cattail	<i>Typha domingensis</i>	20 / 1	12
1.39 163 ~	mountain California-fuchsia	<i>Epilobium canum ssp. latifolium</i>	30 / 1	67
1.42 164	Fremont cottonwood	<i>Populus fremontii ssp. fremontii</i>	1 / 1	20
1.42 ~	*water speedwell	<i>Veronica anagallis-aquatica</i>	/	
1.42 165	red willow	<i>Salix laevigata</i>	1 / 1	33
1.42	<b>Lower Trail Guide:</b> Cross the creek. The following species are found in the creek area below the Palm Grove and wander into the Palm Grove, heading uphill through it. <b>Note:</b> this route is now closed to allow the Grove to regenerate; please respect that closure. The species found there, listed below, are common species.			
1.42	Return the way you came.			
1.86	Jct. Alternate Trail. Do not be worried by the trail having some uphill sections and sometimes appearing to head away from the parking lot.			
1.88 l	(desert lotus, <i>Lotus rigidus</i> )			
1.89	Switchback right.			
1.90	Switchback left.			
1.92 r	Check for Guadalupe cryptantha, <i>Cryptantha maritima</i>			
1.95 r 166	beetle spurge	<i>Euphorbia eriantha</i>	20 / 5	9
1.95 r	Begin section of trail containing mostly caterpillar phacelia, <i>Phacelia cicutaria var. hispida</i>			

1.00	1	146	miner's lettuce	<i>Claytonia perfoliata ssp. perfoliata</i>	1 / 1	26	0.30	r	96	*rabbits-foot grass	<i>Polypogon monspeliensis</i>	3 / 1	39
1.00	1		Signpost "12" (washed out in 2004; replaced slightly downtrail in 2005): "Spine-tinglers: catclaw on left of trail, honey mesquite on right".				0.27			<b>Guide to the new trail between mile 0.27 and mile 0.34</b> , and lists only species not found on the old trail, or found at an earlier location than previously.			
1.00	1		(fish-hook cactus, <i>Mammillaria dioica</i> , 15 feet above the trail)										
1.02	1	147	California brome	<i>Bromus carinatus var. carinatus</i>	10 / 3	51	0.28	r	97	Newberry's velvet mallow	<i>Horsfordia newberryi</i>	2 / 2	16
1.05	b	148	Parish's viguiera	<i>Viguiera parishii</i>	20 / 6	30	0.28	l	98	green miner's lettuce	<i>Claytonia parviflora ssp. viridis</i>	10 / 3	6
1.05	1	149	desert mistletoe	<i>Phoradendron californicum</i> <sup>±</sup>	2 / 2	41	0.30	r	99	Payson's wild cabbage	<i>Caulanthus simulans</i>	1 / 1	4
1.06	1		(rock crossosoma, <i>Crossosoma bigelovii</i> )				0.30	r	100	chia	<i>Salvia columbariae</i>	30 / 5	54
1.07	r		(yellow-flowered branch of chuparosa, <i>Justicia californica</i> )				0.30	r	101	Palmer's milk-vetch	<i>Astragalus palmeri</i>	1 / 1	2
1.09	r	150	climbing milkweed	<i>Sarcostemma cynanchoides ssp. hartwegii</i>	3 / 3	13	0.31	l		sp (ann Eriogonum, <i>Eriogonum davidsonii</i> ?)11			
1.15	1		Signpost "13" (gone post 9/04): "Water gauge, which measures stream depth"; elevation ~1040 feet (315 m). Beginning of palm grove pre 9/04. Note the partially hidden waterfall upstream.				0.32	l	102	catclaw	<i>Acacia greggii</i>	10 / 3	50
1.15			Short double switchback, left then right.				0.32	l	103	*hairy rattail fescue	<i>Vulpia myuros var. hirsuta</i>	5 / 1	21
1.16	r		Best view of the hidden waterfall.				0.34	l		(fountain grass, <i>Pennisetum setaceum</i> ; Vasey's sage, <i>Salvia vaseyi</i> )			
1.19	r	151	scarlet spiderling	<i>Boerhavia coccinea</i>	2 / 2	3	0.35			<b>End greatly-changed area</b> ; area post-2004 flood is now <i>mostly</i> the same as it was before.			
1.19	l		desert tobacco	<i>Nicotiana obtusifolia</i>		/	0.35	l	104	snapdragon campion	<i>Silene antirrhina</i>	20 / 3	9
1.20	r		Signpost "14" (gone post 9/04): "Native Shade" from the California fan palm.				0.35	l	105	Coulter's lupine	<i>Lupinus sparsiflorus</i>	99 / 9	13
1.20	r		(red willow, <i>Salix laevigata</i> )				0.35	l	106	San Felipe dogweed	<i>Adenophyllum porophylloides</i>	5 / 5	30
1.20	r		First mature California fan palm pre 9/04.	<i>Washingtonia filifera</i>		/	0.35	l	107	white fiesta flower	<i>Pholistoma membranaceum</i>	99 / 9	17
1.23	l	152	sp rush with round stem	<i>Juncus sp.</i>		/	0.35	r		Signpost "6" (gone post 9/04): "Home to Ancient People. Morteros and metates are on boulders near here."			
1.24			Cross the creek; elevation ~1160 feet (350 m). In December 2003, this was all choked with sand. In February 2004, the stream had cut a channel into the sand. In November 2005 it was all rocky; the sand was gone. In February 2007, it was filled with plants, mostly water cress.				0.35	r	108	muilla	<i>Muilla maritima</i>	10 / 5	16
1.24	l	153	~ water cress	<i>Rorippa nasturtium-aquaticum</i>	10 / 1	17	0.37	r	109	desert plantain	<i>Plantago ovata</i>	99 / 9	35
1.24	r	154	*green bentgrass	<i>Agrostis viridis</i>	10 / 1	5	0.39	l	110	Parish's poppy	<i>Eschscholzia parishii</i>	40 / 9	16
1.24	r	155	*Bermuda grass	<i>Cynodon dactylon</i>	5 / 1	43	0.41	r		Signpost "7" (gone post 8/03): "Note the desert varnish on these rocks." (California trixis, <i>Trixis californica var. californica</i> ; in distance: desert agave, <i>Agave deserti</i> )			
1.25			Immediately after crossing the water, the trail turns left 90°				0.42	l	111	desert spike-moss	<i>Selaginella eremophila</i>	50 / 9	17
1.26	?		Trail turns right 90° The following species, along with a small hidden pond and hidden grotto perhaps with a seasonal waterfall, are found in the moist area just across the stream to the left: unk sedge, <i>Carex</i> or <i>Cyperus sp.</i> ; wrinkled rush, <i>Juncus rugulosus</i> ; iris-leaved rush, <i>Juncus xiphioides</i> ; rush like <i>Juncus effusus</i> ; California loosestrife, <i>Lythrum californicum</i> ; scarlet monkeyflower, <i>Mimulus cardinalis</i> ; plant with leaves similar to cinquefoil, <i>Potentilla</i> ; western sycamore, <i>Platanus racemosa</i> ; narrowleaf willow, <i>Salix exigua</i> ; rigid hedge-nettle, <i>Stachys ajugoides var. rigida</i> ; southern cattail, <i>Typha domingensis</i>				0.42			Trail is just now in shade from the mountains to the west at 2:50 pm PST on 11/4.			
1.26	b		(arrow-weed, <i>Pluchea sericea</i> )				0.43	l	112	arrow-leaf	<i>Pleurocoronis pluriseta</i>	1 / 1	25
1.27			Trail turns left 90°				0.43	l	113	California trixis	<i>Trixis californica var. californica</i>	3 / 3	31
1.28	l		boundary goldenbush	<i>Ericameria brachylepis</i>		/	0.44			Trail turns left 90°			
1.28	l		Signpost "15" (gone post 9/04; tape incorrectly says "14 location"); "Almost there...the oasis is just a few minutes ahead".				0.44	b	114	Vasey's sage	<i>Salvia vaseyi</i>	10 / 3	23
							0.45			Trail turns right 90°			
							0.46	l		Signpost "8" (gone post 9/04): "Rolling rocks. Flash floods carried these boulders here. Their nooks and crannies harbor wildlife, including pack rats and snakes". Hikers on the "Alternate Trail" can be seen just beyond the far bank of the wash.			
							0.47	r	115	cattle saltbush	<i>Atriplex polycarpa</i> <sup>±</sup>	5 / 1	16
							0.47	r	116	*fountain grass	<i>Pennisetum setaceum</i>	5 / 5	23
							0.47	l	117	desert-willow	<i>Chilopsis linearis ssp. arcuata</i>	10 / 2	17

0.47 r 118	*Oriental mustard	<i>Sisymbrium orientale</i>	20 / 2	22	0.81 l	(prickly sow thistle, <i>Sonchus asper ssp. asper</i> )
0.48 l 119	honey mesquite	<i>Prosopis glandulosa var. torreyana</i>	30 / 3	24	0.81 l	(Check for Borrego milk-vetch, <i>Astragalus lentiginosus var. borreganus</i> )
0.53 r	Signpost "9": "You're probably being watched by desert bighorn sheep."				0.81 l	(deergrass, <i>Muhlenbergia rigens</i> )
0.54 l	Trail turns right 90°				0.82 l	(mule fat, <i>Baccharis salicifolia</i> )
0.56	Trail curves left 90°					
0.57 l	Signpost "10" in 2005: "On 'holey' ground. Tarantulas, scorpions, lizards, mice and harvest ants make many of the holes in the ground."				0.58	<b>This section of the guide is for the post 9/04 trail, as marked on 1/05.</b> This section has not been botanized much.
0.57 l	(Parish's viguiera, <i>Viguiera parishii</i> )				0.80	Junction where the new trail used to leave the wash to left. In 2010 the new trail continues straight ahead in the wash.
0.58	<b>Trail post 9/04 now goes straight up the drainage.</b> Formerly, the trail curved left and crossed the drainage; elevation ~980 feet (300 m).					
0.58	<b>This section of the guide is for the old trail, which is still almost completely intact post the 9/04 flood</b>				0.82	<b>Jct. of old trail with the bypass route used in 2005</b>
0.60 r 120	Coulter's snapdragon	<i>Antirrhinum coulterianum</i>	5 / 1	10	0.83	Trail jogs right; don't continue straight.
0.61 r 121	Wallace's woolly daisy	<i>Eriophyllum wallacei</i>	1 / 1	7	0.84 r	(Engelmann's hedgehog cactus, <i>Echinocereus engelmannii</i> )
0.61 r 122	prickly cryptantha	<i>Cryptantha muricata</i>	10 / 2	21	0.84 r 135	pebble pincushion <a href="#"><i>Chaenactis carphoclinia var. carphoclinia</i><sup>±</sup></a> 10 / 3 13
0.61 r 123	winged cryptantha	<i>Cryptantha holoptera</i>	1 / 1	2	0.85 l 136	caterpillar phacelia <i>Phacelia cicutaria var. hispida</i> 50 / 9 26
0.61 l 124	lace-fringed spineflower	<i>Chorizanthe fimbriata var. laciniata</i>	1 / 1	2	0.85 l	Signpost "11": First glimpse of the Borrego Palm Canyon Oasis, a half mile ahead."
0.61 r	(desert nest straw, <i>Stylocline micropoides</i> ; woolly lipfern, <i>Cheilanthes parryi</i> ; San Felipe dogweed, <i>Adenophyllum porophylloides</i> )				0.87 l	Sign (gone post 9/04): "The Palm Oasis: a rare desert treasure." Trail jags right.
0.62 l 125 ~	iris-leaved rush	<a href="#"><i>Juncus xiphioides</i><sup>±</sup></a>	1 / 1	6	0.87 r	(ironwood, <i>Olneya tesota</i> )
0.65	Trail turns right 90° a young smoothleaf yerba santa, <i>Eriodictyon trichocalyx var. lanatum</i> , is found just ahead if you don't turn right				0.91 l 137	bajada lupine <i>Lupinus concinnus</i> 1 / 1 38
0.65 r 126	Wright's buckwheat	<a href="#"><i>Eriogonum wrightii var. nodosum</i><sup>±</sup></a>	5 / 2	22	0.92	This was formerly a fairly flat area. The August 2003 flash flood took out the flat area to the right of the trail. The 9/04 flash flood took out the remaining shrubs there.
0.65 l 127	boundary goldenbush	<a href="#"><i>Ericameria brachylepis</i><sup>±</sup></a>	1 / 1	13	0.96	Jct. with new trail in 2010
0.66 l 128 ~	slender-lobed four o'clock	<i>Mirabilis tenuiloba</i>	5 / 5	6	0.96 l 138	Hooker's evening-primrose <i>Oenothera elata ssp. hirsutissima</i> 1 / 1 16
0.66 r 129	woolly lipfern	<i>Cheilanthes parryi</i>	20 / 5	30	0.96	Go left to cross the creek just upstream of the site of the former wooden bridge.
0.66 r	(slender wild oats, <i>Avena barbata</i> )				0.96 l 139	floriferous monkeyflower <i>Mimulus floribundus</i> 1 / 1 12
0.67 l	The pre-2005 signpost "10", still present				0.96 r 140 sp	*tamarisk <i>Tamarix sp.</i> 1 / 1 5
0.68 l	(California fan palm, <i>Washingtonia filifera</i> )				0.96 141 ?	baby plant like scarlet monkeyflower, <i>Mimulus cardinalis</i>
0.69	The left side of the trail is mostly gone post the 9/04 flood, so this spot is a bit tricky.				0.96	Cross the creek.
0.69 l 130	desert brickellia	<a href="#"><i>Brickellia desertorum</i><sup>±</sup></a>	1 / 1	13	0.96 l 142	western marsh cudweed <i>Gnaphalium palustre</i> 1 / 1 7
0.69 l	Trail jags left around boulder, but stays on this side of drainage; 3' waterfall to left				0.96 r 143	Hall's caulanthus <i>Caulanthus hallii</i> 3 / 1 5
0.75	The trickiest spot post 9/04 flood. Formerly, the trail crossed a dry drainage, then curved right. That dry drainage has become the main channel. You need to cross it, then cross back in in 0.03 miles.				0.97 l	Jct. "Alternate Trail" (heading back to campground); Sign: "Palm Oasis (right); Alternate Trail (left); elevation ~1100 feet (335 m). Turn right
0.76 r 131 sp	blazing star	<i>Mentzelia sp.</i>	/		0.97 r	Begin large patches of white fiesta flower, <i>Pholistoma membranaceum</i>
0.78 l 132	globe gilia	<i>Gilia capitata ssp. abrotanifolia</i>	1 / 1	12	0.97	Enter shade at 2:52 p.m. on 3/27
0.79 r 133	ayenia	<i>Ayenia compacta</i>	2 / 2	11	0.97 l	*sow thistle <a href="#"><i>Sonchus oleraceus</i><sup>±</sup></a> /
0.80 r 134	Durango root	<i>Datisca glomerata</i>	1 / 1	14	0.98 r 144	*prickly sow thistle <i>Sonchus asper ssp. asper</i> 1 / 1 34
0.80 l	desert brickellia	<i>Brickellia desertorum</i>	2 / 2		0.98 l	(jojoba, <i>Simmondsia chinensis</i> )
0.80	Cross back over stream, and rejoin old trail.				0.98 l 145	pellitory <a href="#"><i>Parietaria hespera var. hespera</i><sup>±</sup></a> 99 / 9 12
					1.00 l	(star-flowered bedstraw, <i>Galium stellatum var. eremicum</i> ; desert tobacco, <i>Nicotiana obtusifolia</i> )