

2.68 Trail turns right 90°, now in wash; elevation ~940 feet (285 m).
 2.68 r 179 Bigelow's blue grass *Poa bigelovii* 1 / 1 1
 2.68 r 180 *slender wild oats *Avena barbata* 1 / 1 40
 2.70 Trail turns left 90° out of the 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 181 American tule *Scirpus americanus* 30 / 1 4
 3.11 End guide back at the trailhead; elevation ~835 feet (250 m).
http://tchester.org/sd/plants/guides/anza_borrogo/borrogo_palm_canyon.html
 Last update: 15 January 2008.

Anza-Borrogo: Plant Guide To Borrogo Palm Canyon Nature Trail

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	l	(Desert pupfish pond, California fan palm, <i>Washingtonia filifera</i>)			
0.00	r	(honey mesquite, <i>Prosopis glandulosa</i> var. <i>torreyana</i>)			
0.00	l 1	desert lavender	<i>Hyptis emoryi</i>	99 / 9	7
0.00	b 2	California suncup	<i>Camissonia californica</i>	99 / 9	23
0.00	b 3	*Mediterranean schismus	<i>Schismus barbatus</i>	99 / 9	26
0.00	l 4	desert dandelion	<i>Malacothrix glabrata</i>	50 / 7	5
0.00	l 5	California filago	<i>Filago californica</i>	99 / 9	21
0.00	l 6	*redstem filaree	<i>Erodium cicutarium</i>	99 / 9	59
0.00	l 7	pale sun-cup	<i>Camissonia pallida</i> ssp. <i>pallida</i>	50 / 9	4
0.00	l 8	brittlebush	<i>Encelia farinosa</i>	99 / 9	11
0.00	b 9	cheesebush	<i>Hymenoclea salsola</i> var. <i>salsola</i>	99 / 9	8
0.00	b 10	common phacelia	<i>Phacelia distans</i>[±]	99 / 9	11
0.00	l 11	alkali western tansy-mustard	<i>Descurainia pinnata</i> ssp. <i>halictorum</i>	99 / 9	5
0.00	b 12	*London rocket	<i>Sisymbrium irio</i>	99 / 9	13
0.00	r 13	desert thornapple	<i>Datura discolor</i>	30 / 9	3
0.00	l 14	creosote bush	<i>Larrea tridentata</i>	99 / 9	8
0.00	l	(gander's cholla, <i>Opuntia ganderi</i>)			
0.00	l	Drinking fountain, shaded display board, thermometer.			
0.00	r	Women's flush toilet			
0.00	r 15	*Asian mustard	<i>Brassica tournefortii</i>	99 / 9	8
0.00	r 16	hairy-podded pepper-grass	<i>Lepidium lasiocarpum</i> var. <i>lasiocarpum</i>	99 / 9	4
0.00	r 17	desert chicory	<i>Rafinesquia neomexicana</i>	50 / 9	4
0.00	l	Sign: "Palm Canyon Trail. [No dogs.]"			
0.00	r 18	Fremont pincushion	<i>Chaenactis fremontii</i>	99 / 9	4
0.00	r 19	popcorn flower	<i>Cryptantha intermedia</i>	99 / 9	27
0.00	r 20	Emory's rock-daisy	<i>Perityle emoryi</i>	99 / 9	5
0.00	r	Jct. trail to men's flush toilet (sign in distance)			
0.00	r 21	pygmy-weed	<i>Crassula connata</i>[±]	40 / 2	28
0.01	r 22	indigo bush	<i>Psoralea schottii</i>	10 / 9	9
0.01	r 23	[desert] strigose lotus	<i>Lotus strigosus</i> [var. <i>tomentellus</i>]	50 / 9	35
0.01	r 24	wishbone plant	<i>Mirabilis bigelovii</i> var. <i>retrorsa</i>[±]	30 / 9	5
0.01	r 25	sand cress	<i>Calyptidium monandrum</i>	5 / 2	12
0.01	r 26	purple-root cryptantha	<i>Cryptantha micrantha</i>	/	7
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 27	brown-eyed primrose	<i>Camissonia claviformis</i> ssp. <i>peirsonii</i>	30 / 4	4	1.97	Trail turns left 90°			
0.01 r 28	bearded cryptantha	<i>Cryptantha barbiger</i>	99 / 9	2	1.99 r 166	heliotrope phacelia	<i>Phacelia crenulata</i> var. <i>ambigua</i>	1 / 1	1
0.01 b 29	fivewing spiderling	<i>Boerhavia intermedia</i>	99 / 9	4	2.00 l 167	California cloak fern	<i>Notholaena californica</i>	3 / 3	1
0.02 l 30	six-weeks three-awn	<i>Aristida adscensionis</i>	30 / 5	8	2.00	First local high point on trail; elevation ~1160 feet (355 m); switchback left and descend.			
0.02 l 31	curvenut combseed	<i>Pectocarya recurvata</i>	99 / 9	1	2.04	Cross very small drainage			
0.02 l 32	threadstem	<i>Pterostegia drymarioides</i>	20 / 9	31	2.06	Cross small drainage and begin ascending again.			
0.02 l 33	whispering bells	<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	99 / 9	10	2.09	ayenia	<i>Ayenia compacta</i>		/
0.02 l 34	wire-lettuce	<i>Stephanomeria pauciflora</i> var. <i>pauciflora</i>	4 / 2	11	2.10	Second local high point on trail.			
0.02 l	(big galleta, <i>Pleuraphis rigida</i>)				2.14	Third local high point on trail.			
0.02 l 35	frost mat	<i>Achyronychia cooperi</i>	2 / 2	3	2.16 r 168	California buckwheat	<i>Eriogonum fasciculatum</i> var. <i>polifolium</i>	3 / 3	23
0.02 l	Sign: "Palm Grove 1.5 mi" [box containing brochures removed after 9/10/04 flood took out the signposts]				2.17 r 169	rattlesnake weed	<i>Daucus pusillus</i>	10 / 2	30
0.02 r 36	small-seeded spurge	<i>Chamaesyce polycarpa</i>	50 / 9	18	2.17 r 170	Coulter's lyrepod	<i>Lyrocarpa coulteri</i> var. <i>palmeri</i>	3 / 3	3
0.02 l	Sign: "No dogs, no bicycles".				2.18 r 171	desert twining snapdragon	<i>Antirrhinum filipes</i>	1 / 1	2
0.02 l 37	San Diego birdsfoot lotus	<i>Lotus hamatus</i>	99 / 9	24	2.18 r 172	short-bannered coastal lotus	<i>Lotus salsuginosus</i> var. <i>brevivexillus</i>	10 / 2	5
0.02 r 38	small-flowered poppy	<i>Eschscholzia minutiflora</i> ssp. <i>minutiflora</i>	40 / 9	5	2.18 r 173	Cedros milk-vetch	<i>Astragalus nuttallianus</i> var. <i>cedrosensis</i>	10 / 1	1
0.02 r 39	narrowleaf ditaxis	<i>Ditaxis lanceolata</i>	99 / 9	6	2.19	Switchback right.			
0.03 r 40	gander's cholla	<i>Opuntia ganderi</i>	20 / 9	9	2.20	Trail curves left 90°			
0.03 r 41	Yuma spurge	<i>Chamaesyce setiloba</i>	20 / 2	1	2.21 174	Arizona spurge	<i>Chamaesyce arizonica</i>	30 / 3	2
0.03 l 42	rock hibiscus	<i>Hibiscus denudatus</i>	50 / 9	5	2.21	Fifth local high point on trail.			
0.03 l 43	burweed	<i>Ambrosia dumosa</i>	50 / 9	10	2.23	Sixth high point on trail. The trail is now almost flat, with a number of minor local high points			
0.03 r 44	big galleta	<i>Pleuraphis rigida</i>	50 / 9	7	2.27 r 175	Guadalupe cryptantha	<i>Cryptantha maritima</i>		/ 2
0.03 r 45	California barrel cactus	<u><i>Ferocactus cylindraceus</i></u> [±]	1 / 1	7	2.36 r	Check for limestone phacelia, <i>Phacelia cryptantha</i>			
0.03 l 46	*red brome	<i>Bromus madritensis</i> ssp. <i>rubens</i>	50 / 9	60	2.38	Cross minor drainage			
0.03 l 47	dwarf filago	<i>Filago depressa</i>	20 / 2	2	2.40 r 176	intermediate larkspur	<i>Delphinium parishii</i> ssp. <i>subglobosum</i>	4 / 2	4
0.03 l 48	~ *sow thistle	<u><i>Sonchus oleraceus</i></u> [±]	2 / 2	42	2.40 r	Liverworts			
0.04 l	Sign: "Mountain Lions / Snakes ..."				2.44 r	A "rock bench" that you can sit on; it even has a back!			
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".				2.44 r 177	eucrypta	<i>Eucrypta chrysanthemifolia</i> var. <i>bipinnatifida</i>	20 / 2	2
0.04 l 49	beavertail cactus	<i>Opuntia basilaris</i> var. <i>basilaris</i>	10 / 9	13	2.45	Cross minor drainage			
0.05 l 50	needle grama	<i>Bouteloua aristidoides</i> var. <i>aristidoides</i>	30 / 9	4	2.48 r	Check for different lupine			
0.05 l 51	desert trumpet	<u><i>Eriogonum inflatum</i></u> [±]	20 / 9	5	2.48	Cross minor drainage and ascend.			
0.06 l 52	California mustard	<i>Guillenia lasiophylla</i>	10 / 1	4	2.51	Final local high point. Now the trail stops fooling around and heads downhill toward the parking lot.			
0.06 r 53	chinch-weed	<u><i>Pectis papposa</i></u> var. <i>papposa</i> [±]	20 / 5	4	2.60 r	Check for fish-hook cactus, <i>Mammillaria dioica</i>			
0.06 r 54	trailing four o'clock	<i>Allionia incarnata</i>	50 / 9	3	2.63 r 178	*African daisy	<i>Dimorphotheca sinuata</i>	1 / 1	4
0.06 r 55	Pima rhatany	<u><i>Krameria erecta</i></u> [±]	20 / 9	5					

	monkeyflower, <i>Mimulus cardinalis</i> ; sticky cinquefoil, <i>Potentilla glandulosa</i> ssp. ?; western sycamore, <i>Platanus racemosa</i> ; narrowleaf willow, <i>Salix exigua</i> ; rigid hedge-nettle, <i>Stachys ajugoides</i> var. <i>rigida</i> ; cattail, <i>Typha</i> sp.	0.07 r 56	chuparosa	<i>Justicia californica</i>	99 / 9	7	
1.26 l	(arrow-weed, <i>Pluchea sericea</i>)	0.07 l	Signpost "2" at ocotilla: "After a rainfall, leaves burst out within 24 hours. They'll be full grown in only five days! After a month of dry weather, the leaves fall to the ground."				
1.27	Trail turns left 90°	0.07 l 57	ocotillo	<i>Fouquieria splendens</i> ssp. <i>splendens</i>	10 / 4	8	
1.28 l	Signpost "15" (gone post 9/04; tape incorrectly says "14 location"): "Almost there...the oasis is just a few minutes ahead".	0.07 l 58	brittle spineflower	<i>Chorizanthe brevicornu</i> var. <i>brevicornu</i>	10 / 3	4	
1.30 l	(A roughly 5 foot waterfall. You can see a dense grove of palms ahead.)	0.09 l 59	thick-leaved ground cherry	<i>Physalis crassifolia</i>	10 / 9	7	
1.31 b	Wright's buckwheat	<i>Eriogonum wrightii</i> var. <i>nodosum</i>	0.09 l 60	Mojave ragwort	<i>Senecio mohavensis</i>	99 / 9	5
1.32 l 158	arrow-weed	<i>Pluchea sericea</i>	0.09 r 61	Sonoran spurge	<i>Chamaesyce micromera</i>	3 / 1	2
	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.	0.09 r 62	wild canterbury bells	<i>Phacelia minor</i>[±]	99 / 9	21	
1.37		0.09 l	(pellitory, <i>Parietaria hespera</i> var. <i>hespera</i>[±])				
		0.09 l 63	star gilia	<i>Gilia stellata</i>[±]	30 / 9	3	
		0.09 r 64	silver puffs	<i>Uropappus lindleyi</i>	5 / 5	27	
1.38 r	Upper Trail Guide: Trail turns left 90° at the post.	0.09 l	Signpost "3" in 2005: "You are [about to descend into] a desert wash, a great place to look for animal tracks and scat."				
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.	0.09 r 65	Nevada ephedra	<i>Ephedra nevadensis</i>	5 / 5	4	
		0.09 r 66	common fiddleneck	<i>Amsinckia menziesii</i> var. <i>intermedia</i>	99 / 9	18	
	Lower Trail Guide: Cross the creek and wander into the Palm Grove, heading uphill through it. Note: this route is now closed to allow the Grove to regenerate; please respect that closure. The species found there, listed below, are common species.	0.09	Descend to cross drainage from a side canyon				
1.38		0.10 r 67	narrow-leaved miner's lettuce	<i>Claytonia parviflora</i> ssp. <i>parviflora</i>	5 / 2	21	
1.39 l 159	western ragweed	<i>Ambrosia psilostachya</i>	0.10 r 68	*sourclover	<i>Melilotus indicus</i>	30 / 5	25
1.39 r 160	goldenrod	<i>Solidago californica</i>	0.10 b 69	mealy white pincushion	<i>Chaenactis artemisiifolia</i>	20 / 9	14
1.39 b 161 ~	mountain California-fuchsia	<i>Epilobium canum</i> ssp. <i>latifolium</i>	The following taxa are all off-trail in the wash, in alphabetical order by Latin name. Most are visible from the trail; some are farther away.				
1.40 b 162	mule fat	<i>Baccharis salicifolia</i>	On both sides: Palmer's milk-vetch, <i>Astragalus palmeri</i> ; southern California silver-lotus, <i>Lotus argophyllus</i> var. <i>argophyllus</i> ; Charlotte's phacelia, <i>Phacelia nashiana</i> ; GPS 34				
1.42 163	Fremont cottonwood	<i>Populus fremontii</i> ssp. <i>fremontii</i>	On left: different sun-cup, <i>Camissonia</i> sp., GPS122; green miner's lettuce, <i>Claytonia parviflora</i> ssp. <i>viridis</i> , GPS 32; ann <i>Eriogonum</i> GPS120; Wallace's woolly daisy, <i>Eriophyllum wallacei</i> ; Parish's poppy, <i>Eschscholzia parishii</i> ; southern gilia, <i>Gilia australis</i> ; volcanic gilia, <i>Gilia ochroleuca</i> ssp. <i>exilis</i> ; short-winged deerweed, <i>Lotus scoparius</i> var. <i>brevialatus</i> ; bajada lupine, <i>Lupinus concinnus</i> ; purple mat, <i>Nama demissum</i> var. <i>demissum</i> ; glandular nemacladus, <i>Nemacladus glanduliferus</i> (var. <i>glanduliferus</i> ?); limestone phacelia, <i>Phacelia affinis</i> ; caterpillar phacelia, <i>Phacelia cicutaria</i> var. <i>hispidia</i> ; apricot mallow, <i>Sphaeralcea ambigua</i> var. <i>ambigua</i> ; ~tomcat clover, ~ <i>Trifolium willdenovii</i> , GPS123				
1.42 164	red willow	<i>Salix laevigata</i>	On right: Coulter's snapdragon, <i>Antirrhinum coulterianum</i> ; strigose sun-cup, <i>Camissonia strigulosa</i> ; devil's spineflower, <i>Chorizanthe rigida</i> ; desert dicoria, <i>Dicoria canescens</i> ; ~prickly lettuce, ~ <i>Lactuca serriola</i> ; spreading loeflingia, <i>Loeflingia squarrosa</i> var. <i>squarrosa</i> ; short-lobed phacelia, <i>Phacelia brachyloba</i> ;				
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.						
1.89	Switchback right.						
1.90	Switchback left.						
1.92 r	Check for Guadalupe cryptantha, <i>Cryptantha maritima</i>						
1.95 r 165	beetle spurge	<i>Euphorbia eriantha</i>	20 / 5	2			
1.95 r	Begin section of trail containing mostly caterpillar phacelia, <i>Phacelia cicutaria</i> var. <i>hispidia</i>						
1.95 r	California fagonia	<i>Fagonia laevis</i>					
1.96	Switchback right.						

	rabbits-foot grass, <i>Polypogon monspeliensis</i> ; unk prostrate plant with 4-ranked leaves - Veronica? GPS119; brome fescue, <i>Vulpia bromoides</i> ; hairy six-weeks fescue, <i>Vulpia octoflora</i> var. <i>hirtella</i>				1.00 1	(star-flowered bedstraw, <i>Galium stellatum</i> var. <i>eremicum</i>)		
0.10	Cross main channel; elevation 840 feet (255 m).				1.00 1 146	miner's lettuce	<i>Claytonia perfoliata</i> ssp. <i>perfoliata</i>	1 / 1 24
0.10 b 70	sacred datura	<i>Datura wrightii</i>	10 / 3	20	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".		
0.10 1 71	sweetbush	<i>Bebbia juncea</i> var. <i>aspera</i>	20 / 9	14	1.00 1	(fish-hook cactus, <i>Mammillaria dioica</i> , 15 feet above the trail)		
0.11	The area here has been greatly changed by the 10 September 2004 flash flood. Formerly, this side canyon wash had two braids, with high ground in-between. The two braids have merged, eliminating that high ground along with the old signpost "3" and some of the species.				1.02 1 147	California brome	<i>Bromus carinatus</i> var. <i>carinatus</i>	10 / 3 26
0.11 1	ssp (foxtail barley, <i>Hordeum murinum</i> ssp. <i>glaucum</i>)				1.05 1 148	desert mistletoe	<i>Phoradendron californicum</i>[±]	2 / 2 4
0.11	Former top of high ground between braids; the next two species were gone post 9/04 flood.				1.06 1	(rock crossosoma, <i>Crossosoma bigelovii</i>)		
0.11 1 72	California fagonia	<i>Fagonia laevis</i>[±]	20 / 9	6	1.07 b 149	Parish's viguiera	<i>Viguiera parishii</i>	20 / 6 7
0.12 1 73	Anderson's desert-thorn	<i>Lycium andersonii</i>	6 / 2	3	1.07 r	(yellow-flowered form of chuparosa, <i>Justicia californica</i>)		
0.12 1	Signpost "3" (pre 9/04). Cross former second braid of wash.				1.10 r 150	climbing milkweed	<i>Sarcostemma cynanchoides</i> ssp. <i>hartwegii</i>	3 / 3 6
0.12 r	(common bedstraw, <i>Galium aparine</i>)				1.13 1 151	Bigelow's desert four-o'clock	<i>Mirabilis bigelovii</i> var. <i>bigelovii</i>[±]	2 / 2 2
0.13	Ascend out of wash				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.		
0.13 r	(prickly poppy, <i>Argemone munita</i>)				1.15	Short double switchback, left then right.		
0.14	Trail is now shifted left from the pre 9/04 trail , but is still next to the changed main drainage with seasonal water. The sweetbush used to be on the left of the trail; it is now on the right. Note the palm trunks washed down in September 2004.				1.16 r	Best view of the hidden waterfall.		
0.15 r 74	Charlotte's phacelia	<i>Phacelia nashiana</i>	30 / 4	1	1.19 r 152	scarlet spiderling	<i>Boerhavia coccinea</i>	2 / 2 2
0.16 r 75	*nettle-leaved goosefoot	<i>Chenopodium murale</i>	20 / 5	4	1.19 1	desert tobacco	<i>Nicotiana obtusifolia</i>	2 / 2
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." Former location of (catclaw, <i>Acacia greggii</i> , with desert mistletoe, <i>Phoradendron californicum</i> growing on it at eye-level; desert-willow, <i>Chilopsis linearis</i> ssp. <i>arcuata</i>), all now swallowed by the wash.				1.20 r	Signpost "14" (gone post 9/04): "Native Shade" from the California fan palm.		
0.16 r					1.20 r	(red willow, <i>Salix laevigata</i>)		
0.16 r					1.20 r	First mature California fan palm pre 9/04.	<i>Washingtonia filifera</i>	/
0.16 r					153	purple mat	<i>Nama demissum</i> var. <i>demissum</i>	/ 3
0.16 r					154	desert tea	<i>Ephedra californica</i>	/ 3
0.17 r 76	apricot mallow	<i>Sphaeralcea ambigua</i> var. <i>ambigua</i>	10 / 9	3				The next 2 species were found on the trail before the palm on 3/22/03, but have not yet been located in this guide.
77	Bigelow's monkeyflower	<i>Mimulus bigelovii</i> var. <i>bigelovii</i>	20 / 4	3	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.		
0.19 1	(chia, <i>Salvia columbariae</i>)				1.24 1 155 ~	water cress	<i>Rorippa nasturtium-aquaticum</i>	10 / 1 14
0.19 1 78	*tumble pigweed	<i>Amaranthus albus</i>[±]	1 / 1	16	1.24 r 156	*green bentgrass	<i>Agrostis viridis</i>	10 / 1 5
0.19 1 79	prickly poppy	<i>Argemone munita</i>	3 / 3	8	1.24 r 157	*Bermuda grass	<i>Cynodon dactylon</i>	5 / 1 37
0.19 1 80	southern California silver-lotus	<i>Lotus argophyllus</i> var. <i>argophyllus</i>	1 / 1	4	1.25	Immediately after crossing the water, the trail turns left 90°		
0.19 1 81	hairy six-weeks fescue	<i>Vulpia octoflora</i> var. <i>hirtella</i>	10 / 2	2	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</i> sp.; wrinkled rush, <i>Juncus rugulosus</i> ; iris-leaved rush, <i>Juncus xiphioides</i> ; rush like <i>Juncus acutus</i> ssp. <i>leopoldii</i> ; California loosestrife, <i>Lythrum californicum</i> ; scarlet		
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 82	baby California fan palm	<i>Washingtonia filifera</i>[±]	20 / 3	5				
0.22 r 83	short-winged deerweed	<i>Lotus scoparius</i> var. <i>brevialatus</i>	3 / 3	25				

0.80	Cross back over stream, and rejoin old trail.			
0.81 l	(prickly sow thistle, <i>Sonchus asper ssp. asper</i>)			
0.81 l	(Check for Borrego milk-vetch, <i>Astragalus lentiginosus var. borreganus</i>)			
0.81 r 133	ayenia <i>Ayenia compacta</i>	2 / 2	2	
0.81 l	(deergrass, <i>Muhlenbergia rigens</i>)			
0.82 l	(mule fat, <i>Baccharis salicifolia</i>)			
0.58	This section of the guide is for the post 9/04 trail, as marked on 1/05. This section has not been botanized much.			
0.80	Trail leaves wash to left			
0.82	Jct. of old trail with the flagged new bypass route			
0.83	Trail jogs right; don't continue straight.			
0.84 r	(Engelmann's hedgehog cactus, <i>Echinocereus engelmannii</i>)			
0.84 r 134	pebble pincushion <i>Chaenactis carphoclinia var. carphoclinia</i> [±]	10 / 3	3	
0.85 l 135	caterpillar phacelia <i>Phacelia cicutaria var. hispida</i>	50 / 9	16	
0.85 l	Signpost "11": First glimpse of the Borrego Palm Canyon Oasis, a half mile ahead."			
0.87 l	Sign (gone post 9/04): "The Palm Oasis: a rare desert treasure." Trail jags right.			
0.87 r	(ironwood, <i>Olneya tesota</i>)			
0.91 l 136	bajada lupine <i>Lupinus concinnus</i>	1 / 1	11	
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.			
0.96 l 137 ~	Hooker's evening-primrose <i>Oenothera elata ssp. hookeri</i>	1 / 1	1	
0.96	Go left to cross the creek just upstream of the site of the former wooden bridge.			
0.96 l 138	floriferous monkeyflower <i>Mimulus floribundus</i>	1 / 1	9	
0.96 r 139 sp	*tamarisk <i>Tamarix sp.</i>	1 / 1		
0.96 140 ?	baby plant like scarlet monkeyflower, <i>Mimulus cardinalis</i>			
0.96	Cross the creek.			
0.96 l 141	western marsh cudweed <i>Gnaphalium palustre</i>	1 / 1	6	
0.96 r 142	Hall's caulanthus <i>Caulanthus hallii</i>	3 / 1	1	
0.97 l	Jct. "Alternate Trail" (heading back to campground); elevation ~1100 feet (335 m). Turn right. (Sign gone post 9/04)			
0.97 r	Begin large patches of white fiesta flower, <i>Pholistoma membranaceum</i>			
0.97	Enter shade at 2:52 p.m. on 3/27			
0.97 l	*sow thistle <i>Sonchus oleraceus</i> [±]		/	
0.98 r 143	*prickly sow thistle <i>Sonchus asper ssp. asper</i>	1 / 1	32	
0.98 l 144	woolly lipfern <i>Cheilanthes parryi</i>	20 / 5	5	
0.98 l 145	pellitory <i>Parietaria hespera var. hespera</i> [±]	99 / 9	7	

0.23 r 84	fringe-pod <i>Thysanocarpus curvipes</i>	10 / 2	9	
0.25	(catclaw, <i>Acacia greggii</i> , with desert mistletoe, <i>Phoradendron californicum</i> growing on it at eye-level, present post 9/04 flood)			
0.26 l 85	*California burclover <i>Medicago polymorpha</i> [±]	10 / 2	41	
0.26 l 86	red maids <i>Calandrinia ciliata</i>	1 / 1	22	
0.27	The trail and area are greatly changed between mile 0.27 and mile 0.34. The following section of the guide is from the old trail. Presumably, many of these species will return eventually. See below for the guide to the new trail.			
0.27	Guide to old trail, which no longer exists			
0.27	Trail turns right 90° to cross flowing water.			
0.29 r	Signpost "5" (pre 9/04)			
0.30 r 87	volcanic gilia <i>Gilia ochroleuca ssp. exilis</i> [±]	5 / 2	2	
0.30 r 88	desert tobacco <i>Nicotiana obtusifolia</i>	2 / 2	3	
0.30 r 89	common monkeyflower <i>Mimulus guttatus</i>	5 / 1	17	
0.30 r 90	southern gilia <i>Gilia australis</i> [±]	10 / 3	2	
0.30 r 91	*celery <i>Apium graveolens</i>	1 / 1	5	
0.30 r 92	*water speedwell <i>Veronica anagallis-aquatica</i>	5 / 2	4	
0.30 r 93	*common cudweed <i>Gnaphalium luteo-album</i>	2 / 2	18	
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 94	*white goosefoot <i>Chenopodium album</i>	1 / 1	11	
0.30 r 95	*rabbits-foot grass <i>Polypogon monspeliensis</i>	3 / 1	30	
0.27	Guide to the new trail between mile 0.27 and mile 0.34, and lists only species not found on the old trail, or found at an earlier location than previously.			
0.28 r 96	Newberry's velvet mallow <i>Horsfordia newberryi</i>	2 / 2	3	
0.28 l 97	green miner's lettuce <i>Claytonia parviflora ssp. viridis</i>	10 / 3	3	
0.30 r 98	Payson's wild cabbage <i>Caulanthus simulans</i>	1 / 1	2	
0.30 r 99	chia <i>Salvia columbariae</i>	30 / 5	25	
0.30 r 100	Palmer's milk-vetch <i>Astragalus palmeri</i>	1 / 1	1	
0.31 l sp	(ann Eriogonum, <i>Eriogonum davidsonii</i> ?)11			
0.32 l 101	catclaw <i>Acacia greggii</i>	10 / 3	9	
0.32	Trail turns right 90° to cross flowing water.			
0.32 l 102	*hairy rattail fescue <i>Vulpia myuros var. hirsuta</i>	5 / 1	20	
0.34 l	(fountain grass, <i>Pennisetum setaceum</i> ; Vasey's sage, <i>Salvia vaseyi</i>)			
0.35	Cross channel created in 2004, with seasonal flowing water			

The following species are found off-trail within several tenths of a mile to the right, downstream, in the wet side channel, given in alphabetical order by Latin name:

(fringed amaranth, *Amaranthus fimbriatus*; unk annual like *Cardamine* or *Rorippa*; ~Hall's caulanthus, ~*Caulanthus hallii*; San Diego jewelflower, *Caulanthus heterophyllus* var. *heterophyllus*; mouse-ear chickweed, *Cerastium glomeratum*; southern Chinese houses, *Collinsia concolor*; horseweed, *Conyza canadensis*; trans-montane gilia, *Gilia transmontana* at GPS 58; ~cotton-batting plant, ~*Gnaphalium stramineum*; Mexican rush, *Juncus mexicanus*; iris-leaved rush, *Juncus xiphioides*; *Lepidium* sp.?, with cupped sepals and ovaries like *Lepidium*; Arizona lupine, *Lupinus arizonicus*; floriferous monkeyflower, *Mimulus floribundus*; unk like a narrow-leaf monkeyflower, *Mimulus* sp.; baby Fremont cottonwood, *Populus fremontii* ssp. *fremontii*; tamarisk, *Tamarix* sp.; white sweetclover, *Melilotus albus*; unk hairy clover, *Trifolium* sp.?.; unk clumpy annual grass)

0.35	End greatly-changed area ; area post-2004 flood is now <i>mostly</i> the same as it was before.			
0.35 l 103	snapdragon campion	<i>Silene antirrhina</i>	20 / 3	7
0.35 l 104	Coulter's lupine	<i>Lupinus sparsiflorus</i>	99 / 9	11
0.35 l 105	San Felipe dogweed	<i>Adenophyllum porophylloides</i>	5 / 5	7
0.35 l 106	white fiesta flower	<i>Pholistoma membranaceum</i>	99 / 9	4
0.35 r	Signpost "6" (gone post 9/04): "Home to Ancient People. Morteros and metates are on boulders near here."			
0.35 r 107	muilla	<i>Muilla maritima</i>	10 / 5	9
0.36 r	Check for different <i>Ephedra</i> sp.			
0.37 r 108	desert plantain	<i>Plantago ovata</i>	99 / 9	8
0.39 l 109	Parish's poppy	<i>Eschscholzia parishii</i>	40 / 9	3
0.41 r	Signpost "7" (gone post 8/03): "Note the desert varnish on these rocks."			
0.42 l 110	desert spike-moss	<i>Selaginella eremophila</i>	50 / 9	4
0.42	Trail is just now in shade from the mountains to the west at 2:50 pm PST on 11/4.			
0.43 l 111	arrow-leaf	<i>Pleurocoronis pluriseta</i>	1 / 1	3
0.43 l	Check if this plant is desert tobacco, <i>Nicotiana obtusifolia</i>			
0.43 l 112	California trixis	<i>Trixis californica</i> var. <i>californica</i>	3 / 3	7
0.44	Trail turns left 90°			
0.44 b 113	Vasey's sage	<i>Salvia vaseyi</i>	10 / 3	5
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 114	cattle saltbush	<i>Atriplex polycarpa</i>[±]	5 / 1	3
0.47 r 115	*fountain grass	<i>Pennisetum setaceum</i>[±]	5 / 5	12

0.47 l 116	desert-willow	<i>Chilopsis linearis</i> ssp. <i>arcuata</i>	10 / 2	6
0.47 r 117	*Oriental mustard	<i>Sisymbrium orientale</i>	20 / 2	13
0.48 l 118	honey mesquite	<i>Prosopis glandulosa</i> var. <i>torreyana</i>	30 / 3	6
0.53 r 120 ?	horseweed?	<i>Conyza canadensis</i> ?	1 / 1	43
0.53 r	Signpost "9": "You're probably being watched by desert bighorn sheep."			
0.54 l	Trail turns right 90°			
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."			
0.57 l	(Parish's viguiera, <i>Viguiera parishii</i>)			
0.57 r	Check for different <i>Ephedra</i> sp.			
0.58	Trail post 9/04 now goes straight up the drainage. Formerly, the trail curved left and crossed the drainage; elevation ~980 feet (300 m).			

0.58	This section of the guide is for the old trail, which is still almost completely intact post the 9/04 flood			
0.60 r 121	Coulter's snapdragon	<i>Antirrhinum coulterianum</i>	5 / 1	6
0.61 r 122	Wallace's woolly daisy	<i>Eriophyllum wallacei</i>	1 / 1	3
0.61 r 123	prickly cryptantha	<i>Cryptantha muricata</i>	10 / 2	16
0.61 r 124	winged cryptantha	<i>Cryptantha holoptera</i>	1 / 1	1
0.61 l 125	lace-fringed spineflower	<i>Chorizanthe fimbriata</i> var. <i>laciniata</i>	1 / 1	2
0.61 r	(desert nest straw, <i>Stylocline micropoides</i>)			
0.62 l 126 ~	iris-leaved rush	<i>Juncus xiphioides</i>[±]	1 / 1	3
0.65	Trail turns right 90° a young smoothleaf yerba santa, <i>Eriodictyon trichocalyx</i> var. <i>trichocalyx</i> , is found just ahead if you don't turn right			
0.65 r 127	Wright's buckwheat	<i>Eriogonum wrightii</i> var. <i>nodosum</i>[±]	5 / 2	6
0.65 l 128	boundary goldenbush	<i>Ericameria brachylepis</i>[±]	1 / 1	3
0.66 r	San Felipe dogweed	<i>Adenophyllum porophylloides</i>		/
0.67 l	The pre-2005 signpost "10", still present			
0.68 l	(California fan palm, <i>Washingtonia filifera</i>)			
0.69	The left side of the trail is mostly gone post the 9/04 flood, so this spot is a bit tricky.			
0.69 l 129	desert brickellia	<i>Brickellia desertorum</i>[±]	1 / 1	2
0.69 l	Trail jags left around boulder, but stays on this side of drainage; 3' waterfall to left			
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.			
0.76 r 130 sp	blazing star	<i>Mentzelia</i> sp.		/
0.78 l 131	globe gilia	<i>Gilia capitata</i> ssp. <i>abrotanifolia</i>	1 / 1	7
0.80 r 132	Durango root	<i>Datisca glomerata</i>	1 / 1	7