

2.45 Schad's Maidenhair Falls at 1880 feet (575 m); best route above it is to the right of the falls

2.46	168	bicolored everlasting	<i>Gnaphalium bicolor</i>	2 / 2	38
2.47	r 169	arrow-weed	<i>Pluchea sericea</i>	5 / 1	12
2.50	l 170	western bernardia	<i>Bernardia myricifolia</i>	1 / 1	7
2.51	l 171	lotebush	<i>Ziziphus parryi</i> var. <i>parryi</i>	2 / 2	6
2.51	l 172 ~	virgin's bower	<i>Clematis lasiantha</i>	1 / 1	7
2.52	173	wild-cucumber	<i>Marah macrocarpus</i> var. <i>macrocarpus</i>	2 / 2	52
2.52	l 174	California juniper	<i>Juniperus californica</i>	1 / 1	12
2.53	l 175	desert spike-moss	<i>Selaginella eremophila</i>	10 / 1	16
2.53	176	red-gland spurge	<i>Chamaesyce melanadenia</i>	20 / 2	4
2.55	b 177	tall melica	<i>Melica frutescens</i>	10 / 2	4
2.57	r 178	ayenia	<i>Ayenia compacta</i>	10 / 1	11
2.62	179	sacred datura	<i>Datura wrightii</i>	1 / 1	29

2.65 Note spring area so 40 feet or so up the south canyon wall, which may contain Typha sp. End plant trail guide.

5.30 Back at Trailhead

http://tchester.org/sd/plants/guides/anza_borrego/hellhole_canyon.html

Last update: 10 December 2013.

Anza-Borrego: Plant Guide To Hellhole Canyon Trail

mile s #	id	Common Name	Latin Name	#here	#all
0.00		Begin guide at use trail from middle of west end of parking lot, not at the sign at the entrance to the lot; elevation ~880 feet (270 m)			
0.00	b 1	*Mediterranean schismus	<i>Schismus barbatus</i>	99 / 9	52
0.00	b 2	small-seeded spurge	<i>Chamaesyce polycarpa</i>	99 / 9	55
0.00	c 3	*redstem filaree	<i>Erodium cicutarium</i>	99 / 9	82
0.00	l 4	California suncup	<i>Camissonia californica</i>	99 / 9	62
0.00	l 5	indigo bush	<i>Psoralethamnus schottii</i>	30 / 9	48
0.00	l 6	hairy-podded pepper-grass	<i>Lepidium lasiocarpum</i> var. <i>lasiocarpum</i>	99 / 9	32
0.00	r 7 ~	bearded cryptantha	<i>Cryptantha barbiger</i>	99 / 9	22
0.00	r 8	ocotillo	<i>Fouquieria splendens</i> ssp. <i>splendens</i>	20 / 9	51
0.00	l 9	Fremont pincushion	<i>Chaenactis fremontii</i>	99 / 9	13
0.00	b 10	cheesebush	<i>Hymenoclea salsola</i> var. <i>salsola</i>	20 / 9	45
0.00	l 11	desert dandelion	<i>Malacothrix glabrata</i>	99 / 9	18
0.00	l 12	desert star	<i>Monoptilon bellioides</i>	99 / 9	10
0.00	l 13	California filago	<i>Filago californica</i>	99 / 9	32
0.00	r	Check for Sonoran spurge, <i>Chamaesyce micromera</i>			
0.01	b 14	desert trumpet	<i>Eriogonum inflatum</i>	10 / 9	39
0.01	r 15	dwarf filago	<i>Filago depressa</i>	20 / 5	2
0.01	r 16	sp different Cryptantha	<i>Cryptantha</i> sp.		/
0.01	b 17	wire-lettuce	<i>Stephanomeria pauciflora</i> var. <i>pauciflora</i>	20 / 9	51
0.01	l 18	purple mat	<i>Nama demissum</i> var. <i>demissum</i>	2 / 2	7
0.01	l 19	gander's cholla	<i>Opuntia ganderi</i>	50 / 9	39
0.01	l	(brittlebush, <i>Encelia farinosa</i>)			
0.01	l 20	sp nemacladus	<i>Nemacladus</i> sp.	1 / 1	
0.01	b 21	desert calico	<i>Loeseliastrum matthewsii</i>	2 / 1	4
0.01	r 22	common phacelia	<i>Phacelia distans</i>	99 / 9	37
0.01	r 23	downy dalea	<i>Dalea mollissima</i>	1 / 1	5
0.01	r 24	white rhatany	<i>Krameria grayi</i>	5 / 2	40
0.01	r 25	burroweed	<i>Ambrosia dumosa</i>	20 / 9	52
0.02	r 26	California fagonia	<i>Fagonia laevis</i>	3 / 3	25
0.02	r 27	sp comb bur	<i>Pectocarya</i> sp.	1 / 1	
0.02	r 28	brittle spineflower	<i>Chorizanthe brevicornu</i> var. <i>brevicornu</i>	10 / 9	32
0.03	l 29	New Mexico ditaxis	<i>Ditaxis neomexicana</i>	50 / 9	3
0.03	l 30	creosote bush	<i>Larrea tridentata</i>	20 / 9	55

0.03 l	(desert agave, <i>Agave deserti</i>)				2.29 r 141	honey mesquite	<i>Prosopis glandulosa</i> var. <i>torreyana</i>	30 / 4	23
0.03 r 31	small-flowered poppy	<i>Eschscholzia minutiflora</i> ssp. <i>minutiflora</i>	50 / 9	16	2.29 b 142	*prickly lettuce	<i>Lactuca serriola</i>	5 / 1	53
0.04 r	Jct. with the trail from the sign.				2.29 r 143	slender wreathplant	<i>Stephanomeria exigua</i> ssp. <i>exigua</i>	1 / 1	21
0.04 l	(beavertail cactus, <i>Opuntia basilaris</i> var. <i>basilaris</i>)				2.30 l 144 sp	desert box-thorn	<i>Lycium</i> sp.	10 / 2	
0.04 l	Jct. faint use trail				2.31 r 145	desert brickellia	<i>Brickellia desertorum</i>	1 / 1	12
0.05 r 32	short-bannered coastal lotus	<i>Lotus salsuginosus</i> var. <i>brevivexillus</i>	50 / 9	9	2.31 r 146	branching phacelia	<i>Phacelia ramosissima</i> var. <i>latifolia</i>	20 / 5	40
0.05 r 33	blue dicks	<i>Dichelostemma capitatum</i> ssp. <i>capitatum</i>	1 / 1	58	2.32 l 147	silver wormwood	<i>Artemisia ludoviciana</i> ssp. <i>ludoviciana</i>	10 / 2	3
0.05 r 34	chinch-weed	<i>Pectis papposa</i> var. <i>papposa</i>	30 / 9	5	2.33 l 148	climbing milkweed	<i>Sarcostemma cynanchoides</i> ssp. <i>hartwegii</i>	30 / 3	10
0.07 l 35	ssp alkali western tansy-mustard	<i>Descurainia pinnata</i> ssp. <i>halictorum</i>	50 / 9	8	2.33 149	boundary goldenbush	<i>Ericameria brachylepis</i>	1 / 1	12
0.07 r 36	*sow thistle	<i>Sonchus oleraceus</i>	1 / 1	48	2.33 150	beady lipfern	<i>Cheilanthes covillei</i>	20 / 2	14
0.10 r 37	Emory's rock-daisy	<i>Perityle emoryi</i>	20 / 9	29	2.33	Trail is difficult to follow here; it appears to go straight, but it doesn't. Turn left and clamber over big rock on left.			
0.10 l 38	Coulter's lupine	<i>Lupinus sparsiflorus</i>	99 / 9	13	2.34	Trail branches here. Left branch crosses stream and climbs steeply up around the waterfalls in this area (don't take). The right branch goes to the falls here and then continues up stream. The following species are in the stream crossing.			
0.11 r 39	*Asian mustard	<i>Brassica tournefortii</i>	99 / 9	45	2.34 l 151 sp	*tamarisk	<i>Tamarix</i> sp.	2 / 1	4
0.13 b 40	brittlebush	<i>Encelia farinosa</i>	99 / 9	53	2.34 l 152 ~	rigid hedge-nettle	<i>Stachys ajugoides</i> var. <i>rigida</i>	5 / 1	42
0.13 b 41	chia	<i>Salvia columbariae</i>	99 / 9	53	2.34 l	Check for cotton-battling plant, <i>Gnaphalium stramineum</i>			
0.14 r 42	whispering bells	<i>Emmenanthe penduliflora</i> var. <i>penduliflora</i>	20 / 9	24	2.34 l 153	*common cudweed	<i>Gnaphalium luteo-album</i>	5 / 1	21
0.15 l 43	*red brome	<i>Bromus madritensis</i> ssp. <i>rubens</i>	50 / 9	84	2.34 l 154	California loosestrife	<i>Lythrum californicum</i>	20 / 1	3
0.18 l	(teddy-bear cholla, <i>Opuntia bigelovii</i>)				2.34 l 155	scarlet monkeyflower	<i>Mimulus cardinalis</i>	5 / 1	32
0.19 r	(chuparosa, <i>Justicia californica</i>)				2.34 l 156 ~	Hooker's evening-primrose	<i>Oenothera elata</i> ssp. <i>hirsutissima</i>	2 / 1	14
0.19 l	Jct. old road				2.34 l 157 ~	*water speedwell	<i>Veronica anagallis-aquatica</i>	5 / 1	5
0.23 l 44	fivewing spiderling	<i>Boerhavia intermedia</i>	99 / 9	10	2.34 l 158	*common plantain	<i>Plantago major</i>	5 / 1	9
0.23 r	Jct. California Riding and Hiking Trail (to Culp Valley); stay right				2.34 l 159	*fountain grass	<i>Pennisetum setaceum</i>	20 / 2	21
0.23 l 45	narrowleaf ditaxis	<i>Ditaxis lanceolata</i>	50 / 9	31	2.34 l 160	white nightshade	<i>Solanum douglasii</i>	1 / 1	18
0.24 r 46	Wallace's woolly daisy	<i>Eriophyllum wallacei</i>	99 / 9	7	2.35 161	iris-leaved rush	<i>Juncus xiphioides</i>	20 / 2	6
0.24 l	Sign: (hikers ok, no horses)				2.35 r 162	maidenhair fern	<i>Adiantum capillus-veneris</i>	99 / 2	2
0.24 r 47 sp	suncup	<i>Camissonia</i> sp.	/		2.35	Base of a falls with a small number of maidenhair ferns; elevation ~1700 feet (520 m); cross stream to left and climb to top of falls for next two species			
0.24 b 48	chuparosa	<i>Justicia californica</i>	50 / 9	24	2.36 b 163 ~	water cress	<i>Rorippa nasturtium-aquaticum</i>	10 / 1	16
0.24 r 49	brown-eyed primrose	<i>Camissonia claviformis</i> ssp. <i>peirsonii</i>	50 / 9	26	2.36 b 164	littleseed muhly	<i>Muhlenbergia microsperma</i>	20 / 1	4
0.27 l	(rock hibiscus, <i>Hibiscus denudatus</i>)				2.36	Continue upstream through one of several paths through this falls area			
0.27 r 50	beavertail cactus	<i>Opuntia basilaris</i> var. <i>basilaris</i>	10 / 9	47	l 165	silver puffs	<i>Uropappus lindleyi</i>	1 / 1	38
0.27 r 51	thick-leaved ground cherry	<i>Physalis crassifolia</i>	5 / 5	22	2.40 l	(white-flowering currant, <i>Ribes indecorum</i>)			
0.27 l 52	common fiddleneck	<i>Amsinckia menziesii</i> var. <i>intermedia</i>	99 / 9	24	2.41 r 166	desert dudleya	<i>Dudleya saxosa</i> ssp. <i>aloides</i>	2 / 1	15
0.30 l	Jct. with small wash				2.45 b 167	wild grape	<i>Vitis girdiana</i>	10 / 1	12
0.34 l 53	catclaw	<i>Acacia greggii</i>	99 / 9	48					
0.35 l	First bit of shade, from a tall ocotillo.								
0.35 r 54	desert lavender	<i>Hyptis emoryi</i>	50 / 9	45					

2.13	Cross stream to left			0.36 l	(star gilia, <i>Gilia stellata</i>)		
2.13 l	(arrow-leaf, <i>Pleurocoronis pluriseta</i>)			0.38 r 55	Bigelow's monkeyflower	<i>Mimulus bigelovii var. bigelovii</i>	99 / 9 12
2.13 r 116 ~	*whorled dock	<i>Rumex conglomeratus</i>	1 / 1 13	0.39 r 56	desert chicory	<i>Rafinesquia neomexicana</i>	10 / 9 24
2.13 l 117	desert tobacco	<i>Nicotiana obtusifolia</i>	5 / 2 20	0.45 r 57	Pima rhatany	<i>Krameria erecta</i>	5 / 2 15
2.13 r 118	red willow	<i>Salix laevigata</i>	5 / 3 32	0.47 l	Jct. wash; stay right		
2.14 b 119	narrowleaf willow	<i>Salix exigua</i>	5 / 3 15	0.50 l 58	Parish's poppy	<i>Eschscholzia parishii</i>	2 / 2 15
2.15 r 120	*prickly sow thistle	<i>Sonchus asper ssp. asper</i>	2 / 1 34	0.56 l 59	desert agave	<i>Agave deserti</i>	10 / 4 31
2.15 l 121 ~	caterpillar phacelia	<i>Phacelia cicutaria var. hispida</i>	5 / 1 26	0.56 l	(jojoba, <i>Simmondsia chinensis</i> ; California barrel cactus, <i>Ferocactus cylindraceus</i>)		
2.15 l 122	narrow-leaved miner's lettuce	<i>Claytonia parviflora ssp. parviflora</i>	3 / 1 25	0.58	Enter open flattish gravelly area; second bit of shade from two more tall ocotillos		
2.15 r 123	mule fat	<i>Baccharis salicifolia</i>	5 / 3 46	0.63 r 60	Engelmann's hedgehog cactus	<i>Echinocereus engelmannii</i>	5 / 3 24
2.15 l 124	blue elderberry	<i>Sambucus mexicana</i>	1 / 1 70	0.64 r 61	teddy-bear cholla	<i>Opuntia bigelovii</i>	50 / 9 33
2.16	Cross stream to right			0.65 l	Jct. wash coming in almost parallel to this trail		
2.16 l	(honey mesquite, <i>Prosopis glandulosa var. torreyana</i>)			0.66 r 62	wishbone plant	<i>Mirabilis bigelovii var. retrorsa</i>	20 / 7 28
2.16 l 125	Fremont cottonwood	<i>Populus fremontii ssp. fremontii</i>	2 / 2 19	0.68 l 63	star gilia	<i>Gilia stellata</i>	1 / 1 12
2.16 l	(mountain California-fuchsia, <i>Epilobium canum ssp. latifolium</i>)			0.68 l 64	white fiesta flower	<i>Pholistoma membranaceum</i>	99 / 9 15
2.18 r 126 ~	slender buckwheat	<i>Eriogonum gracile var. incultum</i>	3 / 1 8	0.70 l 65 ~	hairy six-weeks fescue	<i>Vulpia octoflora var. hirtella</i>	20 / 5 2
2.19	Cross stream to left			0.70	Enter a teddy-bear cholla, <i>Opuntia bigelovii</i> forest.		
2.19 l 127	white mugwort	<i>Artemisia ludoviciana ssp. albula</i>	10 / 3 11	0.70 l	(Mojave ragwort, <i>Senecio mohavensis</i> ; apricot mallow, <i>Sphaeralcea ambigua var. ambigua</i> ; woolly lipfern, <i>Cheilanthes parryi</i>)		
2.20	Cross stream to right and rejoin right braid of trail			0.72 l 66	Parish's viguiera	<i>Viguiera parishii</i>	20 / 9 28
2.24	Meet stream and head upstream			0.72 l 67	California trixis	<i>Trixis californica var. californica</i>	10 / 7 29
2.25 b 128	mountain California-fuchsia	<i>Epilobium canum ssp. latifolium</i>	50 / 2 66	0.73 b 68	jojoba	<i>Simmondsia chinensis</i>	10 / 4 27
2.25 l 129	California cloak fern	<i>Notholaena californica</i>	2 / 1 6	0.73 l 69	eucrypta	<i>Eucrypta chrysanthemifolia var. bipinnatifida</i>	5 / 2 6
2.25 l	(ayenia, <i>Ayenia compacta</i>)			0.75 l	(desert woolly-star, <i>Eriastrum eremicum ssp. eremicum</i> ; intermediate larkspur, <i>Delphinium parishii ssp. subglobosum</i>)		
2.25 r 130	deergrass	<i>Muhlenbergia rigens</i>	5 / 1 40	0.77 r 70	California fish-hook cactus	<i>Mammillaria dioica</i>	5 / 2 23
2.25 l	Check for grass that looked like California brome, <i>Bromus carinatus var. carinatus</i>			0.77 r	Sign: "Warning"; but the object of the warning is missing on the sign.		
2.26 r 131	wild celery	<i>Apiastrum angustifolium</i>	5 / 1 17	0.89 r	Jct old road		
2.26 l 132	*slender wild oats	<i>Avena barbata</i>	50 / 5 48	0.90 r 71	trailing four o'clock	<i>Allionia incarnata</i>	5 / 1 11
2.26 l 133	sticky lipfern	<i>Cheilanthes viscida</i>	5 / 2 4	0.90 r 72	needle grama	<i>Bouteloua aristidooides var. aristidooides</i>	20 / 5 7
2.26 134	threadstem	<i>Pterostegia drymarioides</i>	3 / 1 45	0.91 l 73	fringed amaranth	<i>Amaranthus fimbriatus</i>	10 / 9 11
2.26 r 135	Mojave ragwort	<i>Senecio mohavensis</i>	5 / 1 18	0.98 l ~	(Mormon tea, <i>Ephedra aspera</i>)		
2.26 l 136	pygmy-weed	<i>Crassula connata</i>	10 / 1 37	1.02 l 74	bajada lupine	<i>Lupinus concinnus</i>	5 / 2 38
2.27	Leave stream to right			1.02 r 75	rock hibiscus	<i>Hibiscus denudatus</i>	2 / 2 26
2.28 r 137	white sage	<i>Salvia apiana</i>	2 / 2 54	1.05 r	(Vasey's sage, <i>Salvia vaseyi</i>)		
2.28 r 138	western ragweed	<i>Ambrosia psilostachya</i>	50 / 1 45	1.14 l 76	San Felipe dogweed	<i>Adenophyllum porophylloides</i>	10 / 9 28
2.28 l 139	goldenrod	<i>Solidago californica</i>	10 / 2 76	1.16 l	(On hillside: big galleta, <i>Pleuraphis rigida</i> ; Coulter's lyrepod, <i>Lyrocarpa coulteri var. palmeri</i>)		
2.29 c 140	horseweed	<i>Conyza canadensis</i>	1 / 1 48	1.17 l	Jct. faint blocked-off old road or broad trail; trail curves right 90°		

