Protected Desert Native Plant Survey

– contents –

113 Joshua trees – (Yucca brevifolia)
263 Mojave yuccas – (Yucca schidigera)
191 California junipers – (Juniperus californicas)

– also noted –

21 Hedgehog cactus – (Echinoceres engelmanii)
28 Beavertail cactus – (Opuntia basilarus)
2 Palo verde trees* – (Parkinsonia aculeata)
Numerous Cholla cactus – (Opuntia echinocarpa)

– surveyed for –

RHA Landscape Architects, Planners Inc.
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– surveyed by –

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July 15th 2009

* not native

Joshua trees

#	Height	Save in place or Transplant	Save in place or Destroy	Destroy	Comments
1	30'			✓	Hazardous, bores, breakage
2	4'	✓			
3	16'			✓	Hazardous, out of balance, over size
4	20'			✓	" " "
5	16'			✓	" " "
6	18'		✓		over size to safely transplant
7	13'	✓			
8	9'	✓			
9	4'	✓			crown sprout off burnt stump
10	3'	✓			
11	3'	✓			crown sprout off burnt stump
12	27'			✓	Hazardous, burned
13	5'	✓			
14	8'			✓	Hazardous, out of balance, burned
15	3'	✓			
16	5'	✓			
17	18'		✓		over size to safely transplant
18	22'		✓		" " " " "
19	15'		✓		" " " " "
20	5'	✓			
21	5'	✓			
22	19'		✓		over size to safely transplant
23	5'	✓			Remove bare root
24	16'		✓		with pups, over size to Safely transplant
25	13'	✓			
26	18'		✓		over size to safely transplant
27	20'		✓		" " " " "
28	7'	✓			Remove bare root
29	4'	✓			" " "
30	10'	✓			" " "

#	Height	Save in place or Transplant	Save in place or Destroy	Destroy	Comments
31	8'	✓			Remove bare root
32	24'			✓	Hazardous, poor health
33	3'	✓			
34	18'		✓		over size to safely transplant
35	6'	✓			
36	12'			✓	Hazardous, burned
37	3'	✓			Remove bare root
38	6'	✓			" " "
39	7'	✓			" " "
40	15'	✓			
41	14'			✓	Hazardous, burned
42	15'			✓	" " and bores
43	16'		✓		over size to safely transplant
44	9'	✓			move together
45	5'	✓			" "
46	5'	✓			Crown sprout off burnt stump
47	9'	✓			
48	7'	✓			
49	7'	✓			
50	8'	✓			
51	4'	✓			
52	7'	✓			Remove bare root
53	7'	✓			" " "
54	6'	✓			" " "
55	14'	✓			
56	16'			✓	Hazardous, burned
57	20'		✓		over size to safely transplant
58	25'			✓	Hazardous
59	18'		✓		over size to safely transplant
60	10'			✓	Hazardous, burned

#	Height	Save in place, or Transplant	Save in place, or Destroy	Destroy	Comments
61	13'			✓	Hazardous, burned
62	7'	✓			
63	15'	✓			
64	10'	✓			
65	4'	✓			
66	6'	✓			
67	9'	✓			
68	8'	✓			
69	12'	✓			
70	5'	✓			
71	9'	✓			move together
72	9'	✓			" "
73	4'	✓			" "
74	6'	✓			" "
75	3'	✓			
76	24'		✓		over size to safely transplant - prune limb
77	15'			✓	Hazardous, burned
78	3'	✓			
79	3'	✓			
80	6'	✓			
81	16'		✓		over size to safely transplant, out of balance
82	15'		✓		over size corm
83	7'	✓			with pups
84	18'		✓		over size to safely transplant, inside a juniper
85	28'			✓	Hazardous, burned
86	30'			✓	" "
87	15'	✓			
88	20'		✓		over size to safely transplant
89	24'		✓		" " " " "
90	6'	✓			

#	Height	Save in place, or Transplant	Save in place, or Destroy	Destroy	Comments
91	15'		✓		over size to safely transplant
92	30'		✓		" " " " "
93	4'	✓			
94	10'	✓			
95	4'	✓			Remove bare root
96	15'		✓		over size corm
97	5'	✓			
98	11'	✓			move together
99	12'	✓			" "
100	12'	✓			
101	13'	✓			
102	8'	✓			
103	12'	✓			
104	18'			✓	Hazardous, burned
105	4'	✓			move together
106	4'	✓			" "
107	13'	✓			
108	5'	✓			
109	5'	✓			
110	4'	✓			
111	3'/1'	✓			
112	4'/pups	✓			
113	3'	✓			

Mojave yuccas

#	Height	Save in place or Transplant	Save in place or Save %	Destroy	Comments
Y 1	5'		✓		5' diameter clone
Y 2	1'			✓	clone of burned stump
Y 3	1'			✓	" " " "
Y 4	1½'			✓	" " " "
Y 5	1½'			✓	" " " "
Y 6	1'			✓	" " " "
Y 7	1'			✓	" " " "
Y 8	1'			✓	" " " "
Y 9	1'			✓	" " " "
Y 10	1½'			✓	" " " "
Y 11	1½'			✓	" " " "
Y 12	1'			✓	" " " "
Y 13	1½'			✓	" " " "
Y 14	2'			✓	" " " "
Y 15	1'			✓	" " " "
Y 16	1'			✓	" " " "
Y 17	1'			✓	" " " "
Y 18	1½'			✓	" " " "
Y 19	1½'			✓	" " " "
Y 20	1½'			✓	" " " "
Y 21	1'			✓	" " " "
Y 22	1½'			✓	" " " "
Y 23	1'			✓	" " " "
Y 24	2'	✓			2' diameter clone
Y 25	1½'			✓	clone of burned stump
Y 26	1½'			✓	" " " "
Y 27	1'			✓	" " " "
Y 28	1½'			✓	" " " "
Y 29	1½'			✓	" " " "
Y 30	1'			✓	" " " "

#	Height	Save in place, or Transplant	Save in place, or save %	Destroy	Comments
Y31	1½'			✓	clone of burned stump
Y32	1½'			✓	" " " "
Y33	1'			✓	" " " "
Y34	1'			✓	" " " "
Y35	1½'			✓	" " " "
Y36	1'			✓	" " " "
Y37	2'			✓	" " " "
Y38	1½'			✓	" " " "
Y39	1½'			✓	" " " "
Y40	1½'			✓	" " " "
Y41	1½'			✓	" " " "
Y42	1'			✓	" " " "
Y43	1'			✓	" " " "
Y44	2'			✓	" " " "
Y45	1'			✓	" " " "
Y46	1½			✓	" " " "
Y47	1'			✓	" " " "
Y48	1½'			✓	" " " "
Y49	1½'			✓	" " " "
Y50	2'			✓	" " " "
Y51	2½'			✓	" " " "
Y52	½'			✓	" " " "
Y53	1'			✓	" " " "
Y54	1½'			✓	" " " "
Y55	2'			✓	" " " "
Y56	1'			✓	" " " "
Y57	1½			✓	" " " "
Y58	1½'			✓	" " " "
Y59	1'			✓	" " " "
Y60	1'	✓			1' diameter clone

#	Height	Save in place, or Transplant	Save in place, or Save %	Destroy	Comments
Y61	1'			✓	clone of burned stump
Y62	1½'			✓	" " " "
Y63	1½'			✓	" " " "
Y64	1'			✓	" " " "
Y65	1½'			✓	" " " "
Y66	1½'			✓	" " " "
Y67	1½'			✓	" " " "
Y68	½'			✓	" " " "
Y69	1½'			✓	" " " "
Y70	1'			✓	" " " "
Y71	1½'			✓	" " " "
Y72	2'			✓	" " " "
Y73	2½'			✓	" " " "
Y74	1½'			✓	" " " "
Y75	2'			✓	" " " "
Y76	2'			✓	" " " "
Y77	1½'			✓	" " " "
Y78	1½'			✓	" " " "
Y79	1½'			✓	" " " "
Y80	1½'			✓	" " " "
Y81	2'			✓	" " " "
Y82	1½'			✓	" " " "
Y83	2'			✓	" " " "
Y84	1'			✓	" " " "
Y85	1'			✓	" " " "
Y86	1½'			✓	" " " "
Y87	2'			✓	" " " "
Y88	4'			✓	" " " "
Y89	1½'			✓	" " " "
Y90	1½'			✓	" " " "

#	Height	Save in place, or Transplant	Save in place, or Save %	Destroy	Comments
Y91	1'			✓	clone of burned stump
Y92	1½'			✓	" " " "
Y93	1½'			✓	" " " "
Y94	2½'			✓	" " " "
Y95	1½'			✓	" " " "
Y96	1½'			✓	" " " "
Y97	1½'			✓	" " " "
Y98	1½'			✓	" " " "
Y99	1'			✓	" " " "
Y100	1'			✓	" " " "
Y101	1'			✓	" " " "
Y102	1'			✓	" " " "
Y103	1'			✓	" " " "
Y104	½'			✓	" " " "
Y105	1½'			✓	" " " "
Y106	1'			✓	" " " "
Y107	1½'			✓	" " " "
Y108	3'			✓	" " " "
Y109	2½'			✓	" " " "
Y110	1½'			✓	" " " "
Y111	3'			✓	" " " "
Y112	2½'			✓	" " " "
Y113	1½'	✓			2' diameter clone
Y114	1'			✓	clone of burned stump
Y115	1'			✓	" " " "
Y116	1½'			✓	" " " "
Y117	1'			✓	" " " "
Y118	1½'			✓	" " " "
Y119	2'			✓	" " " "
Y120	1½'			✓	" " " "

#	Height	Save in place or Transplant	Save in place or Save %	Destroy	Comments
Y121	1'			✓	clone of burned stump
Y122	1½'			✓	" " " "
Y123	1½'			✓	" " " "
Y124	1'			✓	" " " "
Y125	½'	✓			single plant
Y126	1½'			✓	clone of burned stump
Y127	7'		✓		2' diameter clone
Y128	3'	✓			single plant
Y129	5'		✓		5' diameter clone
Y130	2½'	✓			single plant
Y131	2½'		✓		2' diameter clone
Y132	2½'		✓		2½' " "
Y133	2½'		✓		2' " "
Y134	½'			✓	clone of burned stump
Y135	1'			✓	" " " "
Y136	3'		✓		2' diameter clone
Y137	1½'	✓			single plant
Y138	1½'	✓			" "
Y139	1½'	✓			" "
Y140	1½'			✓	clone of burned stump
Y141	1½'			✓	
Y142	1½'			✓	
Y143	2'			✓	
Y144	½'			✓	
Y145	1'			✓	
Y146	1½'			✓	
Y147	1½'			✓	
Y148	1½'			✓	
Y149	1'			✓	
Y150	1½'			✓	

#	Height	Save in place or Transplant	Save in place or save %	Destroy	Comments
Y151	1'			✓	clone of burned stump
Y152	1½'			✓	" " " "
Y153	1'			✓	" " " "
Y154	1½'			✓	" " " "
Y155	1½'			✓	" " " "
Y156	1½'			✓	" " " "
Y157	1½'			✓	" " " "
Y158	1½'			✓	" " " "
Y159	1½'			✓	" " " "
Y160	3'	✓			single plant
Y161	1½'			✓	clone of burned stump
Y162	1½'			✓	" " " "
Y163	7'		✓		6' diameter clone
Y164	2½'	✓			single plant
Y165	1½'			✓	clone of burned stump
Y166	1½'			✓	" " " "
Y167	1½'			✓	" " " "
Y168	1½'	✓			single plant
Y169	2'	✓			" "
Y170	6'		✓		8' diameter clone
Y171	5'		✓		4' " "
Y172	5'		✓		8' " "
Y173	1½'		✓		1½' " "
Y174	1'	✓			single plant
Y175	1'	✓			" "
Y176	4'		✓		2' diameter clone
Y177	4'		✓		3' " "
Y178	3'		✓		4' " "
Y179	5'	✓			single plant
Y180	1'	✓			" "

#	Height	Save in place or Transplant	Save in place or Save %	Destroy	Comments
Y181	4'		✓		5' diameter clone
Y182	2'	✓			single plant
Y183	2'	✓			" "
Y184	7'	✓			" "
Y185	6'		✓		2' diameter clone
Y186	1½'	✓			single plant
Y187	3	✓			" "
Y188	2½'	✓			" "
Y189	2½'		✓		1½ diameter clone
Y190	1½'	✓			single plant
Y191	3'		✓		2' diameter clone
Y192	1'	✓			single plant
Y193	1½'	✓			" "
Y194	5'		✓		5' diameter clone
Y195	3'		✓		3' " "
Y196	2½		✓		4' " "
Y197	6'		✓		3' " "
Y198	1½	✓			single plant
Y199	4'	✓			" "
Y200	1'	✓			" "
Y201	4'		✓		2' diameter clone
Y202	4'		✓		2' " "
Y203	4'	✓			single plant – curly leaf
Y204	7'	✓			" "
Y205	3'		✓		2' diameter clone
Y206	1'	✓			single plant
Y207	6'		✓		5' diameter clone
Y208	1½	✓			single plant
Y209	5		✓		5' diameter clone
Y210	6		✓		5' " "

#	Height	Save in place, or Transplant	Save in place, or Save %	Destroy	Comments
Y211	6'		✓		6' diameter clone
Y212	4'		✓		6' " "
Y213	2½'		✓		3' " "
Y214	3'		✓		2' " "
Y215	1½'	✓			single plant
Y216	7'		✓		6' diameter clone
Y217	1'			✓	clone of burned stump
Y218	½'			✓	" " " "
Y219	1½'			✓	" " " "
Y220	1'			✓	" " " "
Y221	1'			✓	" " " "
Y222	1½'			✓	" " " "
Y223	1½'			✓	" " " "
Y224	1'			✓	" " " "
Y225	1½'			✓	" " " "
Y226	6'		✓		5' diameter clone
Y227	3'	✓			single plant
Y228	1½'			✓	clone of burned stump
Y229	6'		✓		6' diameter clone
Y230	2'			✓	clone of burned stump
Y231	1½'			✓	" " " "
Y232	1½'	✓			single plant
Y233	1'	✓			" "
Y234	1'			✓	clone of burned stump
Y235	1½'		✓		2' diameter clone
Y236	1'	✓			single plant
Y237	6'		✓		5' diameter clone
Y238	8'		✓		8' " "
Y239	8'		✓		8' " "
Y240	1½			✓	clone of burned stump

#	Height	Save in place or Transplant	Save in place or save %	Destroy	Comments
Y241	1½'			✓	clone of burned stump
Y242	1½'	✓			single plant
Y243	2½'	✓			" "
Y244	1'	✓			" "
Y245	1'	✓			" "
Y246	1½'			✓	clone of burned stump
Y247	1'			✓	" " " "
Y248	1'			✓	" " " "
Y249	1'			✓	" " " "
Y250	1'			✓	" " " "
Y251	2'			✓	" " " "
Y252	1'			✓	" " " "
Y253	½'			✓	" " " "
Y254	½'			✓	" " " "
Y255	1'			✓	" " " "
Y256	1'			✓	" " " "
Y257	1½'			✓	" " " "
Y258	1'			✓	" " " "
Y259	1'			✓	" " " "
Y260	1½'			✓	" " " "
Y261	½'			✓	" " " "
Y262	½'			✓	" " " "
Y263	1'			✓	" " " "

California junipers

#	Height	Diameter	Save in place or Destroy	Health	Comments
J 1	6'	5'	✓	good	
J 2	10'	12'	✓	"	
J 3	12'	15'	✓	"	
J 4	2'	2'	✓	"	
J 5	3'	3'	✓	"	
J 6	3'	2'	✓	"	
J 7	4'	3'	✓	"	
J 8	2'	4'	✓	"	
J 9	2'	2'	✓	"	
J 10	2'	2'	✓	stress	50% burned
J 11	3'	3'	✓	good	
J 12	3'	3'	✓	"	
J 13	3'	3'	✓	"	20% burned
J 14	7'	7'	✓	stress	70% "
J 15	4'	4'		bad	80% " remove
J 16	5'	5'	✓	good	
J 17	8'	10'	✓	good	20% burned
J 18	6'	8'	✓	"	
J 19	5'	4'	✓	"	
J 20	7'	7'	✓	"	
J 21	8'	10'	✓	"	
J 22	8'	6'	✓	"	
J 23	12'	15'	✓	"	
J 24	3'	4'	✓	"	
J 25	12'	15'	✓	"	
J 26	15'	18'	✓	"	
J 27	8'	8'	✓	"	20% burned
J 28	15'	20'	✓	"	
J 29	6'	8'	✓	stress	40% burned
J 30	7'	5'	✓	"	40% burned

#	Height	Diameter	Save in place or Destroy	Health	Comments
J31	1½'	1½'	✓	good	
J32	3'	4'	✓	"	
J33	8'	10'	✓	"	
J34	2'	1½'	✓	"	
J35	5'	6'	✓	"	
J36	4'	4'	✓	"	
J37	4'	2'	✓	fair	
J38	5'	6'	✓	good	20% burned
J39	3'	3'	✓	"	
J40	1½'	1½'	✓	"	
J41	5'	6'	✓	fair	
J42	2'	2'	✓	stress	50% burned
J43	8'	12'	✓	good	
J44	6'	12'	✓	"	10% burned
J45	4'	4'	✓	poor	80% burned
J46	4'	8'	✓	good	
J47	2'	1'	✓	"	
J48	6'	6'	✓	"	
J49	6'	10'	✓	stress	40% burned
J50	4'	6'	✓	good	
J51	5'	7'	✓	"	
J52	6'	5'	✓	stress	50% burned
J53	8'	12'	✓	"	60% "
J54	7'	12'	✓	good	
J55	5'	8'	✓	stress	50% burned
J56	7'	10'	✓	"	40% "
J57	5'	7'	✓	good	
J58	10'	15'	✓	"	
J59	6'	6'	✓	"	
J60	6'	8'	✓	"	

#	Height	Diameter	Save in place or Destroy	Health	Comments
J61	5'	5'	✓	good	20% burned
J62	6'	8'	✓	Poor	
J63	12'	12'	✓	good	
J64	8'	8'	✓	"	
J65	12'	10'	✓	"	
J66	6'	8'	✓	"	
J67	7'	7'	✓	"	
J68	8'	12'	✓	stress	40% burned
J69	5'	6'	✓	good	
J70	6'	6'	✓	"	10% burned
J71	8'	15'	✓	stress	30% "
J72	3'	3'	✓	good	
J73	2'	3'	✓	"	
J74	2'	2'	✓	"	
J75	8'	12'	✓	"	20% burned
J76	10'	15'	✓	stress	40% "
J77	4'	5'	✓	good	
J78	6'	10'	✓	"	
J79	7'	8'	✓	"	
J80	5'	5'	✓	fair	
J81	3'	3'	✓	good	
J82	4'	4'	✓	"	
J83	4'	4'	✓	"	
J84	6'	4'	✓	"	
J85	12'	12'	✓	"	
J86	10'	10'	✓	"	
J87	3'	3'	✓	"	
J88	5'	6'	✓	"	
J89	8'	10'	✓	"	
J90	2'	4'	✓	"	

#	Height	Diameter	Save in place or Destroy	Health	Comments
J91	10'	12'	✓	good	
J92	8'	12'	✓	"	
J93	5'	10'	✓	fair	
J94	5'	5'	✓	good	
J95	6'	12'	✓	fair	
J96	5'	10'	✓	stress	50 % burned
J97	5'	10'	✓	Poor	
J98	6'	12'	✓	stress	40 % burned
J99	2'	3'	✓	good	
J100	3'	4'	✓	"	
J101	6'	10'	✓	stress	50 % burned
J102	8'	12'	✓	"	50 % "
J103	7'	15'	✓	"	50 % "
J104	5'	7'	✓	"	50 % "
J105	8'	8'	✓	good	
J106	5'	6'	✓	"	
J107	1½'	1½'	✓	"	
J108	2'	3'	✓	"	
J109	1'	1'	✓	"	
J110	1'	1'	✓	"	
J111	5'	6'	✓	"	
J112	8'	12'	✓	"	
J113	6'	12'	✓	"	
J114	12'	15'	✓	"	
J115	4'	4'	✓	"	
J116	4'	3'	✓	"	
J117	4'	7'	✓	"	
J118	8'	8'	✓	"	5 % burned
J119	6'	10'	✓	"	
J120	8'	10'	✓	stress	50 % burned

#	Height	Diameter	Save in place or Destroy	Health	Comments
J121	3'	4'	✓	good	
J122	7'	4'	✓	"	
J123	1'	1'	✓	"	
J124	8'	5'	✓	"	
J125	7'	7'	✓	"	
J126	5'	2'	✓	"	
J127	7'	4'	✓	"	
J128	8'	12'	✓	stress	60 % burned
J129	7'	7'	✓	"	40 % "
J130	10'	10'	✓	good	
J131	12'	8'	✓	stress	40 % burned
J132	15'	15'	✓	good	
J133	10'	15'	✓	"	
J134	6'	6'	✓	"	
J135	12'	12'		bad	90 % burned - remove
J136	5'	5'	✓	good	
J137	12'	12'	✓	stress	50 % burned
J138	6'	6'	✓	good	
J139	8'	8'		bad	roots eroded out of the ground - remove
J140	12'	15'	✓	good	
J141	15'	15'	✓	"	
J142	8'	10'	✓	"	20 % burned
J143	15'	20'	✓	"	
J144	5'	5'	✓	"	
J145	12'	15'	✓	"	
J146	8'	10'		bad	95% burned - remove
J147	10'	12'	✓	good	
J148	10'	10'	✓	"	
J149	7'	5'	✓	"	
J150	10'	12'	✓	"	

#	Height	Diameter	Save in place or Destroy	Health	Comments
J151	10'	12'	✓	good	20% burned
J152	10'	20'	✓	"	
J153	8'	15'	✓	"	
J154	4'	4'	✓	"	
J155	15'	25'	✓	"	
J156	15'	20'	✓	"	
J157	6'	6'	✓	"	
J158	2'	2'	✓	"	
J159	5'	5'	✓	"	20% burned
J160	8'	15'	✓	stress	30% "
J161	10'	10'	✓	good	
J162	5'	5'	✓	"	20% burned
J163	6'	8'	✓	"	
J164	3'	3'	✓	"	
J165	1½	1'	✓	"	
J166	7'	8'	✓	"	
J167	3'	3'	✓	"	
J168	5'	6'	✓	"	
J169	5'	8'	✓	"	
J170	5'	8'	✓	"	
J171	5'	5'	✓	"	
J172	5'	5'	✓	"	
J173	6'	6'	✓	"	
J174	8'	8'	✓	"	10% burned
J175	5'	8'	✓	"	20% "
J176	8'	8'	✓	"	
J177	4'	4'	✓	stress	40% burned
J178	8'	8'	✓	good	
J179	5'	5'	✓	stress	30% burned
J180	3'	3'	✓	"	50% "

#	Height	Diameter	Save in place or Destroy	Health	Comments
J181	7'	7'		bad	90% burned - remove
J182	8'	10'		bad	80% " - remove
J183	10'	12'	✓	stress	30% "
J184	8'	8'	✓	"	70% "
J185	10'	12'	✓	good	10% "
J186	6'	6'	✓	stress	40% "
J187	6'	6'	✓	"	50% "
J188	6'	6'	✓	"	60% "
J189	8'	8'	✓	good	20% "
J190	6'	6'	✓	"	
J191	7'	10'		Bad	90% burned - remove