

MARRON VALLEY HABITAT QUALITY MONITORING

Plot Number: 1 (Vernal Pool Grassland) May 8, 2001 1 M2 Quadrat

		Sample Unit Number																																														
Species*	Life Form**	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44			
Bare Ground	n/a	40%	30%	50%	40%	40%	15%	40%	20%	40%	10%	10%	20%	30%	30%	40%	25%	10%	20%	15%	10%	50%	40%	15%	35%	20%	25%	20%	30%	30%	30%	50%	10%	10%	15%	20%	50%	50%	50%	60%	15%	10%	15%	10%	10%			
Artemisia californica	s														-	-																-	-															
Brassica spp.	h															-																		-														
Brodiaea jolonensis	h																		-																-													
Bromus spp.	h		-	-		-		-		-	^	^	+	^	-	^		+	^	^	^	-	-	-	^		+	^	-	^			^	^	+			^	-	-	^	^	^	^	^	-		
Calochortus splendens	h										-		-	^					-				-	-									-	-								-	-					
Castilleja exserta	h																-				-														-	-		-							-			
Centaurium venustum	h						-												-			-										-	-	^	-		-	-	-	-		-	-	-	-	-		
Crassula spp.	h			-																																	-	-										
Daucus carota	h																										-			-	-								-									
Eremocarpus setigerus	h				-	^	-	^	-	-		-	^	^	^		-	-				-	-	-	-	^	-	-	-	-																		
Erodium spp.	h	+	+	^	+	+	+	^	+	+	+	+	+	+	+	+		+		^	+	+	+	+	+	+	+	+	+	+	+	+	+	+		^		+	^	+	+	+	+	+	+	^		
Filago gallica	h			+	^	+	+		-		-	-	+	+			-	^	-	-		-	-	-	-	-	-	-	-	-	-	-	^	^	-			-	-	-	^	-	-	^	-	-	-	
Gutierrezia sarothrae	s							-																																								
Hordeum brachyantherum s	h			-						-	-								-		-										-																	
Juncus bufonius	h			-	-		+	+	-		-	-	-	-		-	+	+	+	+	+	+											^	+	+	-	-	-										
Lolium multiflorum	h		-	-			-														-														-													
Lotus spp.	h				-	^			^		-	-	-	-	-		-											-	-	-	-	-	-	-	-	-	-	-	-	-			-	-				
Lythrum spp.	h						^										-	-	-		+	-																										
Medicago polymorpha	h	+	+	+	-				+	+		+	+	+	+		-			^	-		-	^	^	^	+	+	+	+	-				-	^		+	^	+	+	+	+	+	^	+		
Mullia maritima	h			-	^	^	-	-	-		-	^	-		-	-	-	-	-			-	^			-	-	-	^	-	-	^				-	+	^	^	^								
Nassella pulchra	h			+	-	^	-												-	-															-	^	^											
Navarretia hamata	h						-																											^	^	^	+	-										
Polypogon spp.	h						-																																									
Psilocarphus brevissimus	h						-																																									
Silene gallica	h	+	+			-	-	^	+	^	^	+	^	+	+	+	^	^	+	+	-	^	+	+	+	+	+	+	+	+	+	+	+	+	^		-	-	+	^	+	^	^	^	^	^	^	
Taraxacum officinale	h	-	^	-	-	-		^		-	-	-	-	^	-	-	-	^	+	^	-	-	-	-	-	-	-	-	-	-	-	-	^	-	^	^	-	-	-	^				-	-	-		
Trifolium willdenovii	h																										-												-									

Life Form:

Cover Class

- T = Tree
 S = Shrub
 H = Herb
 B = Bare Ground
- + abundant > 50% of relative cover of species present.
 ^ common 25% - 50% of relative cover of species present.
 - infrequent <25% of relative cover of species present.

Transects sampled at 5m, 18m and 25 m along the 30 meter baseline
 The 1 m x m Sampling units were randomly placed on the left or right side of the transect.

Participants:
 Dr. Michael White, Conservation Biology Institute
 Holly Boessow, City of San Diego
 Keith Greer, City of San Diego
 Michael Klein, City of San Diego
 Randy Rodriguez, City of San Diego
 Jim Harry, City of San Diego

MARRON VALLEY HABITAT QUALITY MONITORING

Plot Number: 2 (Burn CSS Plot)

May 8, 2001

1 M2 Quadrat

Sample Unit Number

Species*	Life Form*	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44			
Bare Ground	n/a	40%	25%	10%	25%	40%	20%	30%	20%	10%	20%	50%	40%	30%	30%	40%	60%	25%	50%	70%	70%	60%	30%	50%	60%	70%	60%	70%	80%	75%	60%	60%	60%	50%	50%	60%	40%	30%	40%	70%	85%	50%	60%	30%	30%			
Artemisia californica	s	-	-											^																		-	-	-														
Brassica spp.	h		-																																													
Brodiaea jolonensis	h													-													-	-															-	-	-	-		
Bromus spp.	h	-	-	+	+	-	+	-	-				^	-					-	-			-	-					-	-	+	^	-	+	^	-	-	+	+			-	-	-	^	^		
Calochortus splendens	h			-		-					-											-		-																						-		
Castilleja exserta	h																																															
Centauraea melitensis	h	-	-	-				-		-	-	-	-									-																										
Centaurium venustum	h																																															
Chamaesyce albomarginata	h																																															
Chlorogalum parviflorum	h	-				-							-									^	-		-	-																						
Crassula spp.	h																																															
Daucus carota	h																																															
Dichelostemma capitatum	h																																															
Eremocarpus setigerus	h																																															
Erodium spp.	h	+	+		+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Flago gallica	h	-	+	+	-	-		-				-		-			^	-	-		-	-	-	-			-	-	-																-	-	-	-
Gutierrezia sarothrae	s						-							^			^	^	^	^	^	^		-																								
Hemizonia fasciculata	h	^	-	-	+	^	+	^	+	+	+	+	+	+	+	+	+	+	+	+	+	^	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	
Hordeum brachyantherm ssp.	h																																															
Juncus bufonius	h																																															
Lamarckia aurea	h																																															
Lepidium spp.	h																																															
Lolium multiflorum	h																																															
Lotus spp.	h	-	-	-	-	-	^	-	-		-		-	-									^	-				-	-	-	-	-	-															
Lythrum spp.	h																																															
Medicago polymorpha	h																																															
Mullia maritima	h																																															
Nassella pulchra	h																																															
Navarretia hamata	h																																															
Nessella pulchra	h			-		^	-																																									
Osmadenia tenella	h	-		-	-	^													^	-	+	-	-	-			-	-	-	-	-	-	-	^			-	-	-	^			-	^	^	-		
Plantago erecta	h																																															
Poeaceae spp?																																																
Polypogon spp.	h																																															
Psilocarphus brevissimus	h																																															
Selaginella cinerascens																																																
Silene gallica	h	-	-		-	-							-	-																																		
Taraxacum officinale	h			^	-	-					-	-	-	-	-	-	-	-	-	-																												
Trifolium willdenovii	h																																															
Viguiera laciniata	s									+																																						

Life Form:

T = Tree

S = Shrub

H = Herb

B = Bare Ground

Cover Class

+ abundant > 50% of relative cover of species present.

^ common 25% - 50% of relative cover of species present.

- infrequent <25% of relative cover of species present.

Transects sampled at 1m, 17m and 26 m along the 30 meter baseline

The 1 m x m Sampling units were randomly placed on the left or right side of the transect.

Participants:

Dr. Michael White, Conservation Biology Institute

Holly Boessow, City of San Diego

Keith Greer, City of San Diego

Michael Klein, City of San Diego

Randy Rodriguez, City of San Diego

Jim Harry, City of San Diego

MARRON VALLEY HABITAT QUALITY MONITORING
MAY, 2001

Illustrative Methodology

