MSP - 2019 Rare Plant Occurre	ence Monito	oring Form			Page 1
Scientific Name:		Com	mon Name:		
MSP Occurrence ID:	I	Existing MSP	Occurrence? Yes:	, No:	_, Unknown:
Occurrence Name: CN	DDB EO#:		Translocated? Yes:	, No:	, Unknown:
Preserve:					
Land Owner:		Lan	nd Manager:		
Sample Point #:		New Sam	ple Point? Yes:	, No:, l	Jnknown:
Surveyors & Affiliation:					
Date:			Time Start:		
I. HABITAT PLOT INFORMATION. Count # plants in habitat Record notes on p. 3.	plot, see p. 4	for category de	efinitions for phenology,	herbivory, dise	ase & stunted growth.
# Plants/Habitat Plot: Exact:	_ Estimate:	Uncertaint	y?	Habitat	plot radiusm
For both exact counts and estimates, indicate: Counted/estima	ited indiv. plai	nts:	OR Counted/estimated	clusters of plan	ts:
For geophytes: are counts of flowering or vegetative individuals	s? Flowering	j: Veg	etative:		
Phenology in Habitat Plot (Categories 1-6): Vegetative:	Flowerin	ıg:	Fruiting: [ead:	
Evidence in Habitat Plot (Categories 1-6) of: Herbivory:	Dis	sease:	Stunted Growth		
Is Habitat Plot within Current Mapped Extent? Yes					
II. HABITAT PLOT LOCATION & SITE PHOTOMONITORING Enter here only it new habitat plot location or to make a correc	G - consult SL	DMMP list of G		enter and phot	o locations.
GPS/Smartphone Accuracy: +/ m Datum:	(NAI	D83 Recomme	nded) Coord. Syst: UTM	: State Plar	ne:
Center of Plot Coord: E:					
Camera type: PhotoCoord: E:			_		
Location 1:	·	••	No onange	11011	
Direction (facing) Height (m)		Camera Angle	Up or Dow		Photo #
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E: N:			——————————————————————————————————————		1 Ποιο π
E: N: Direction 2 [Coordinates]			Camera Angle	Up or Down	Photo #
	ection (facing) tes in 10m ra	Height (m)	Camera Angle lot . Vegetation alliance	Up or Down	Photo # ed using San Diego
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Scientific Name:	MSP Occurrence ID:				
Preserve:	Осситепсе Name:				
Date: Surveyors & Affilia	ation/Agency:				
V. CURRENT MAPPED EXTENT INFORM perimeter mapping or visual mapping on aerial p	ATION. Count or estimate number of plants in mapped extent. Area can be calculated based on GIS photo in the office.				
# Plants/Current Mapped Extent:	, Exact Count:, Estimate (1000s, 10k):, Uncertainty?				
For both exact counts and estimates, indicate: 0	Counted/estimated individual plants: OR Counted/estimated clusters of plants:				
For geophytes: are counts of flowering or vegeta	ative individuals? Flowering: Vegetative:				
Area of Current Mapped Extent:	Units: Exact (GPS mapping): Estimate:				
Perimeter of current extent determined by walking	ng it or estimated by other means (mapped on aerials)? Walked: Other (describe p. 3):				
Species in Maximum Extent? Yes: No:	If not, why:				
	IM EXTENT - Assess threats within the occurrence's maximum extent (cumulative extent over years				
Surrounding Land Use/Activity at or Adjacent to	Site:				
3 = disturbance occurs in >0 % to <10% of area	1 = no sign of disturbance, 2 = disturbance in 10m surrounding buffer but not within maximum extent, within maximum extent, 4 = disturbance in 10% to <25% of maximum extent, 5 = disturbance in 25 to < 3 within 50 to <75% of maximum exent, and 7 = disturbance occurs within ≥75% of maximum extent.				
Non-Native Forbs	Feral Pig Activity Erosion				
Non-Native Grasses	Trampling Urban Runoff				
Non-Native Woody Plants	Vandalism Slope Movement				
Competitive Native Plants	Grazing (Y/N/UNK) Soil Compaction				
Dumping/Trash	Historic Agriculture (Y/N/Unk)				
Encampments	Altered Hydrology				
Fuel Modification Zone/Fire Break					
Road Construction/Maintenance	If Observed, Briefly Describe:				
Vegetation Clearing	If Observed, Briefly Describe:				
Brush Management/Restoration	f Observed, Briefly Describe:				
ORV Activity	If Observed, List Type(s) of ORV Activity:				
Evidence of Recent Fire	If Sign of Recent Fire: Year Burned? OR Unknown Burn Year?				
Disturbance from Trails (authorized & unauthor	ized)If Trails are Present, are they Authorized (circle one)? Yes / No / Both / Unknown				
Type of Trail Use (Yes/No)? Hiking:	Biking: Equestrian: Dog: Service Vehicles:				
	known: Describe:				
Other Disturbance? List & Rank:					
Collection? Yes: No: Collection?	ector:				
Collection #: Herbarium:	Species Collected:				
Collection 2, Collector:	(enter additional collections on p. 3)				
Collection #: Herbarium:	Species Collected:				

MSP - 2019 Management Needs and Notes

Page 3

Occurrence ID:	Species:	Date:	
VI. MANAGEMENT RECOM	IMENDATIONS		
VII. MANAGEMENT ACTIO	NS IN LAST YEAR		
VIII. CNDDB SPECIES DET	ECTED & NOTES		
List any sensitive plant or animal spec	ies to add to the CNDDB:		
-			
-			
Time Finish:			

MSP - 2019 Rare Plant Monitoring, Habitat, and Threats Assessment Category Definitions Page 4

Categories of % Individuals in Habitat Plot for Phenological Stages (Vegetative, Flowering, Fruiting & Dead) and for Evidence of Herbivory, Disease and Stunted Growth.

- 1 = 0% (not detected)
- 2 = >0% to <10%
- 3 = 10% to <25%
- 4 = 25% to <50%
- 5 = 50% to < 75%
- 6 = ≥75%

% Cover Class Definitions within Habitat Plot for Cryptogamic Crust and Thatch.

See page 5 for illustrations of different cover classes.

- 1 = 0% cover (not detected)
- 2 = >0% to <10% cover
- 3 = 10% to <25% cover
- 4 = 25% to <50% cover
- 5 = 50% to <75% cover
- 6 = ≥75% cover

Feral Pig Activity within Habitat Plot:

- 1 = No feral pig activity (rooting, wallowing, vegetation destruction, tracks, scat, pig) detected.
- 2 = Signs of pig activity (rooting, wallowing, vegetation destruction) in habitat plot appear months old.
- 3 = Signs of recent pig activity (rooting, wallowing, vegetation destruction, tracks, scat, pig) in adjacent area but not within habitat plot.
- 4 = Recent signs of pig activity (rooting, wallowing, vegetation destruction, tracks, scat, pigs) within habitat plot.

Ground Squirrel Activity within Habitat Plot:

- 1 = No ground squirrel burrows detected.
- 2 = Burrows and/or ground squirrels observed in adjacent area but not within habitat plot.
- 3 = Single squirrel or burrow seen within habitat plot.
- 4 = Multiple burrows and/or squirrels seen within habitat plot.

Botta's Pocket Gopher Activity within Habitat Plot:

- 1 = No pocket gopher mounds detected.
- 2 = Mounds or gophers observed in adjacent area but not within habitat plot.
- 3 = <10 mounds observed within habitat plot.
- $4 = \ge 10$ mounds or one or more gophers seen within habitat plot.

Disturbance Categories within the Maximum Extent:

- 1 = No sign of disturbance within maximum extent or in adjacent 10 m buffer.
- 2 = Disturbance does not occur within maximum extent but is detected within the surrounding 10 m buffer area.
- 3 = Disturbance present in >0% to <10% of area within maximum extent.
- 4 = Disturbance occurs in 10% to <25% of area within maximum extent.
- 5 = Disturbance occurs in 25% to <50% of area within maximum extent.
- 6 = Disturbance occurs 50% to <75% of area within maximum extent.
- 7 = Disturbance occurs ≥75% of area within maximum extent.

