MSP - 2025 Rare Plant Occurrer	e Monitoring Form	Page 1			
Scientific Name:	ic Name: Common Name:				
MSP Occurrence ID:		::, No:, Unknown:	-		
Sample Point #:	New Sample Point? Yes				
	BEO#: Translocated?	Yes:, No:, Unknown:			
Preserve:					
Land Owner:	Land Manager:				
Surveyors & Affiliation: Date:	Time Start:				
I. SAMPLE PLOT INFORMATION. Count # plants in 10m radiu		iono for phonology, borbiyony, disease	estunted		
growth. Record notes on p. 3.	מחווףוים אוטנ, צפים איז ויטי טמופעטוץ מפוווות	IONS IOF PHENOlogy, HEIDIVOLY, UISEASE	& Slunieu		
# Plants/Sample Plot: Exact: Es	ate: Uncertaintv?	Sample plot radius m			
For both exact counts and estimates, indicate: Counted/estimate					
For geophytes: are counts of flowering or vegetative individuals?					
Phenology in Sample Plot (Categories 1-6): Vegetative:					
Evidence in Sample Plot (Categories 1-6) of: Herbivory:		a Growth:			
Is Sample Plot within Current Mapped Extent? Yes					
II. SAMPLE PLOT LOCATION & SITE PHOTOMONITORING -		or plot center and photo locations.			
Enter here only if new habitat plot location or to make a correction					
GPS/Smartphone Accuracy: +/ m Datum:					
Center of Plot Coord: E:N:N:N:N:N		-			
Camera type: PhotoCoord: E:	N: No Chang	ge: New: Correction:			
Location 1: Direction (facing) Height (m)					
Direction (facing) Height (m) E: N:	Camera Angle U	p or Down Photo #			
	(facing) Height (m) Camera Angle	Up or Down Photo #			
III. SAMPLE PLOT ASSESSMENT - Assess habitat covariates			eao		
vegetation key (AECOM 2012) in office or field using "Associated					
SANDAG 2012 Vegetation Alliance/Association:					
Cover Classes: 1 (0%); 2 (>0 - <10%); 3 (10 to <25%); 4 (25 to <	%); 5 (50% to <75%); 6 (≥75%)				
Cryptogamic Crust Cover: (category) That	. ,				
Thatch Depth categories: 1 (no thatch); 2 (<1 cm); 3 (1 to <5 c	4 (5 to <10 cm); 5 (10 to <15 cm); 6 (1	5 to < 20 cm); 7 (≥ 20 cm)			
Thatch Depth: Ave (category)	Thatch Depth: Max:	_ cm			
Dead Standing Biomass? Yes: No: If yes, species: _	Cover Class	s (1-6): Ave. Height: cm			
	Mammal Species Activity Categories (1-4): Feral Pig Activity: Ground Squirrel Activity: Gopher Activity:				
Habitat plot representative of maximum extent? Yes:					
IV. ASSOCIATED SPECIES IN SAMPLE PLOT Record veg & total cover at bottom of form. Total cover should be at leas			ate, total		
Species	% Cover Species	ioles on p. s.	% Cover		
Dara Craundi Caunta namia Cail Caunt	Deala	:			
Bare Ground: Cryptogamic Soil Crust:		Litter:	-1009/ \		
Water: Total Live Vegetation:	Dead Shrubs:	Total Cover: ()	=100%)		

MSP - 2025 Rare Plant Habitat and Threats Assessment Form

Page	2
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Scientific Name:	MSP Occurrence ID:			
Preserve:	Occurrence Name:			
Date: Surveyors & Affili	ation/Agency:			
V. CURRENT MAPPED EXTENT INFORM perimeter mapping or visual mapping on aerial		er of plants in mapped extent. Area can be calculated based on GIS		
# 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 veget	ative individuals? Flowering:	Vegetative: Not Applicable:		
Area of Current Mapped Extent:	Units:	Exact (GPS mapping): Estimate:		
Perimeter of current extent determined by walki	ng it or estimated by other means (mapped on aerials)? Walked: Other (describe p. 3):		
Species in Maximum Extent? Yes: No:	If not, why:			
Is the Current Mapped Extent different from pre-	vious years due to variation in surv	ey efforts from previous years? (Y/N) If yes, why?		
VI. THREATS ASSESSMENT IN MAXIMU of monitoring) plus 10-m surrounding buffer		nin the occurrence's maximum extent (cumulative extent over years		
Surrounding Land Use/Activity at or Adjacent to	Site:			
Disturbance Classes (rank each threat as 1-7): $1 = no$ sign of disturbance, $2 =$ disturbance in 10m surrounding buffer but not within maximum extent, 3 = disturbance occurs in >0 % to <10% of area within maximum extent, $4 =$ disturbance in 10% to <25% of maximum extent, $5 =$ disturbance in 25 to < 50% of maximum extent, $6 =$ disturbance occurs 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*	Sea-level rise*		
Competitive Native Plants*	Grazing (Y/N/UNK)*	Slope Movement*		
Dumping/Trash*	Historic Agriculture (Y/N/Unk)* _	Soil Compaction*		
Encampments*	Altered Hydrology *	*Additional room for notes on page 4.		
Drought (low, medium, or high severity) If Observed, Briefly Describe:				
Fuel Modification Zone/Fire Break	If Observed, Briefly Describe:			
Road Construction/Maintenance	If Observed, Briefly Describe:			
Vegetation Clearing If Observed, Briefly Describe:				
Restoration Project (Impacts) If 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 & unauthorized) 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:				
Other (Describe):				
Collection? Yes: No: Collector:				
Collection #: Herbarium:				
Collection 2, Collector:		(enter additional collections on p. 3)		
Collection #: Herbarium:	Species Collected:			

MSP - 2025 Mana	gement Needs and Notes		Page 3
Occurrence ID:	Species:	Date:	
VI. MANAGEMENT RECO	MMENDATIONS		
VII. MANAGEMENT ACTIC	INS IN LAST YEAR		
VIII. CNDDB SPECIES DE	FECTED & NOTES		
List any sensitive plant or animal spe	cies to add to the CNDDB:		
Time Finish:			

MSP - 2025 Notes on Observed Threats

			l age 4
Occurrence ID:	Species:	Date:	
Non-Native Forbs. If Obse			
New Netwo Creeses If O			
Non-Native Grasses. If Ol	Diserved, Briefly Describe:		
Non-Native Woody Plants	. If Observed, Briefly Describe:		
Competitive Native Plants	. If Observed, Briefly Describe:		
	. II Observed, blieny beschbe.		
Dumping/Trash. If Observ	ed, Briefly Describe:		
Encampments. If Observe	nd Briefly Describe:		
Feral Pig Activity. If Obser	rved, Briefly Describe:		
Trampling. If Observed, B	riefly Describe:		
	,		
Vandalism. If Observed, E	Briefly Describe:		
Grazing. If Observed, Brie	fly Describe:		
Historic Agriculture. If Obs	served, Briefly Describe:		
Altered Hydrology. If Obse	erved, Briefly Describe:		
Sea level rise. If Observed	d Briefly Describe:		
	ם, שוויווי שפטוושכ.		
Erosion. If Observed, Brie	fly Describe:		
Urban Runoff. If Observed	. Briefly Describe:		
	, ,		
Slope Movement. If Obser	rved, Briefly Describe:		
Soil Compaction. If Obser	ved, Briefly Describe:		
Time Finish:			

MSP - 2025 Rare Plant Monitoring, Habitat, and Threats Assessment Category Definitions Page 5

Categories of % Individuals in Sample 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 Sample 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 Sample Plot:

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

Ground Squirrel Activity within Sample Plot:

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

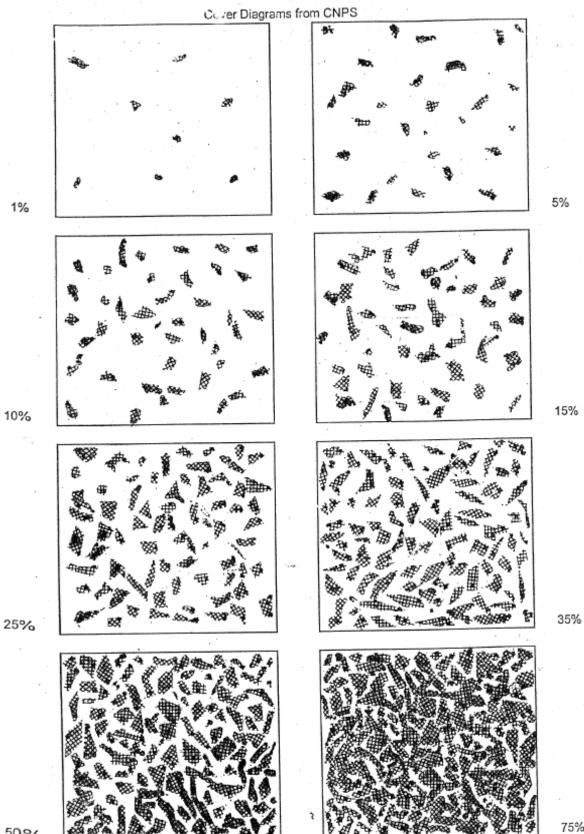
Botta's Pocket Gopher Activity within Sample Plot:

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

CNPS Cover Diagram



50%

75%