

[illegible]

Scientific Name: _____	MSP Occurrence ID: _____
Preserve: _____	Occurrence Name: _____
Date: _____	Surveyors & Affiliation/Agency: _____

**V. CURRENT MAPPED EXTENT INFORMATION.** Count or estimate number of plants in mapped extent. Area can be calculated based on GIS perimeter mapping or visual mapping on aerial photo in the office.

# Plants/Current Mapped Extent: \_\_\_\_\_, Exact Count: \_\_\_\_\_, Estimate (1000s, 10k): \_\_\_\_\_, Uncertainty? \_\_\_\_\_

For both exact counts and estimates, indicate: Counted/estimated individual plants: \_\_\_\_\_ OR Counted/estimated clusters of plants: \_\_\_\_\_

For geophytes: are counts of flowering or vegetative individuals? Flowering: \_\_\_\_\_ Vegetative: \_\_\_\_\_

Area of Current Mapped Extent: \_\_\_\_\_ Units: \_\_\_\_\_ Exact (GPS mapping): \_\_\_\_\_ Estimate: \_\_\_\_\_

Perimeter of current extent determined by walking it or estimated by other means (mapped on aerials)? Walked: \_\_\_\_\_ Other (describe p. 3): \_\_\_\_\_

Species in Maximum Extent? Yes: \_\_\_\_\_ No: \_\_\_\_\_ If not, why: \_\_\_\_\_

**VI. THREATS ASSESSMENT IN MAXIMUM EXTENT** - Assess threats within the *occurrence's maximum extent* (cumulative extent over years of monitoring) **plus 10-m surrounding buffer**. Record notes on p. 3.

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 extent, 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 \_\_\_\_\_ 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): \_\_\_\_\_  
 Illegal Trail Use? Yes: \_\_\_\_\_ No: \_\_\_\_\_ Unknown: \_\_\_\_\_ Describe: \_\_\_\_\_  
 Other Disturbance? List & Rank: \_\_\_\_\_

Collection? Yes: \_\_\_\_\_ No: \_\_\_\_\_ Collector: \_\_\_\_\_  
 Collection #: \_\_\_\_\_ Herbarium: \_\_\_\_\_ Species Collected: \_\_\_\_\_  
 Collection 2, Collector: \_\_\_\_\_ (enter additional collections on p. 3)  
 Collection #: \_\_\_\_\_ Herbarium: \_\_\_\_\_ Species Collected: \_\_\_\_\_



**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 =  $\geq$ 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 =  $\geq$ 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 =  $\geq$ 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  $\geq$ 75% of area within maximum extent.

Cover Diagrams from CNPS

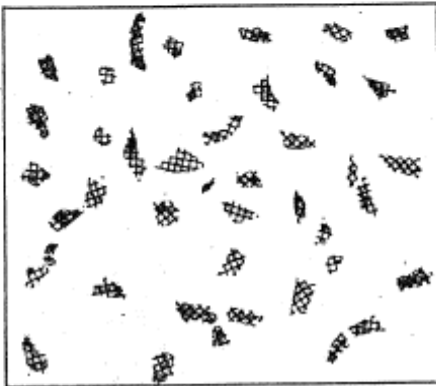
1%



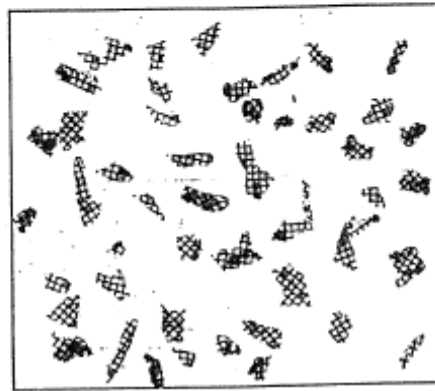
5%



10%



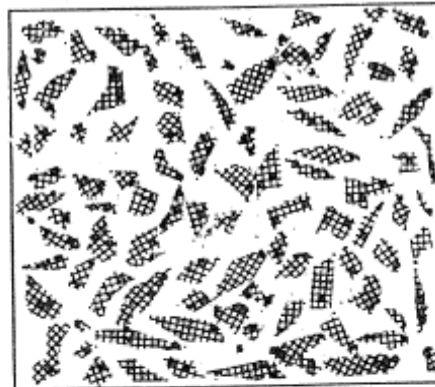
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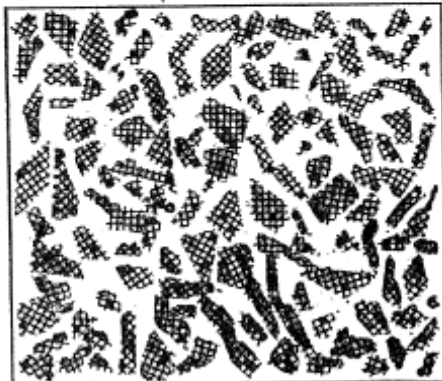
25%



35%



50%



75%

