

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: _____ Not Applicable: _____
 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: _____
 Is the Current Mapped Extent different from previous years due to variation in survey efforts from previous years? (Y/N) If yes, 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* _____	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): _____
 Illegal Trail Use? Yes: _____ No: _____ Unknown: _____ Describe: _____

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

Occurrence ID: _____ Species: _____ Date: _____
Non-Native Forbs. If Observed, Briefly Describe:
Non-Native Grasses. If Observed, Briefly Describe:
Non-Native Woody Plants. If Observed, Briefly Describe:
Competitive Native Plants. If Observed, Briefly Describe:
Dumping/Trash. If Observed, Briefly Describe:
Encampments. If Observed, Briefly Describe:
Feral Pig Activity. If Observed, Briefly Describe:
Trampling. If Observed, Briefly Describe:
Vandalism. If Observed, Briefly Describe:
Grazing. If Observed, Briefly Describe:
Historic Agriculture. If Observed, Briefly Describe:
Altered Hydrology. If Observed, Briefly Describe:
Sea level rise. If Observed, Briefly Describe:
Erosion. If Observed, Briefly Describe:
Urban Runoff. If Observed, Briefly Describe:
Slope Movement. If Observed, Briefly Describe:
Soil Compaction. If Observed, Briefly Describe:
Time Finish: _____

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 = ≥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.

Cover Diagrams from CNPS

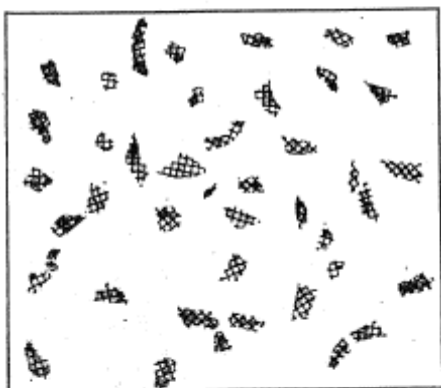
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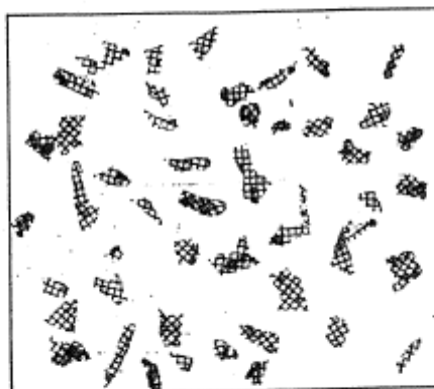
5%



10%



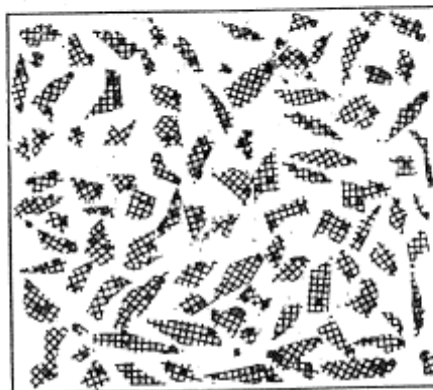
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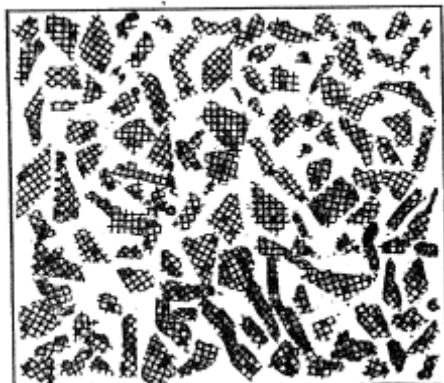
25%



35%



50%



75%

