

Combined Vegetation Rapid Assessment and Relevé Field Form
(Revised March 27, 2018)

For Office Use:	Final database #:	Final vegetation type:	Alliance Association
I. LOCATIONAL/ENVIRONMENTAL DESCRIPTION			circle: <u>Relevé</u> or RA
Database #: <u>SCR2110</u>	Date: <u>5/18/21</u>	Name of recorder: <u>Lucy Emeryhough</u>	
		Other surveyors: <u>EW</u>	
	UID:	Location Name: <u>Granite Rock sand mine - South ridge</u>	
GPS name: <u>Lucy's iPhone</u>		For Relevé only: Bearing°, left axis at ID point <u>50</u> of <u>Long</u> / <u>Short</u> side	
UTME _____		UTMN _____ Zone: 11 NAD83 GPS error (ft) m./ PDOP <u>15'</u>	
Decimal degrees: LAT <u>37.070427</u> LONG <u>-122.064010</u>			
GPS within stand? ☒ Yes / No If No, cite from GPS to stand: distance (m) _____ bearing ° _____ inclination ° _____			
and record: Base point ID _____ Projected UTM: UTM _____ UTMN _____			
Camera Name: <u>Lucy's cam</u> Cardinal photos at ID point:			
Other photos:			
Stand Size (acres): <1, <u>(1-5)</u> , >5 Plot Area (m²): <u>(100)</u> Plot Dimensions <u>20</u> x <u>5</u> m RA Radius _____ m			
Exposure, Actual °: <u>74</u> <u>NE</u> NW SE SW Flat <u>Variable</u> Steepness, Actual °: <u>14</u> 0° 1-5° <u>>5-25</u> >25			
Topography: Macro: <u>top</u> <u>upper</u> mid lower bottom Micro: <u>convex</u> flat concave undulating			
Geology code: <u>SAND</u> Soil Texture code: <u>SAND</u> <u>Upland</u> or Wetland/Riparian (circle one)			
% Surface cover: (Incl. outcrops) (>60cm diam) (25-60cm) (7.5-25cm) (2mm-7.5cm) (Incl sand, mud)			
H20: <u>0</u> BA Stems: <u>+</u> Litter: <u>3</u> Bedrock: <u>-</u> Boulder: <u>-</u> Stone: <u>-</u> Cobble: <u>-</u> Gravel: <u>-</u> Fines: <u>91</u> =100%			
% Current year bioturbation _____ Past bioturbation present? ☒ Yes / No % Hoof punch <u>0</u>			
Fire evidence: Yes / ☒ No (circle one) If yes, describe in Site history section, including date of fire, if known.			
Site history, stand age, comments: <u>we are at the Granite rock sand mine property, South of the mine termed 'South Ridge'. The area is characterized as sand parkland interspersed with widely spaced ponderosa pines and sand adapted shrubs. In the large open areas in between the woody vegetation is extremely exposed near bare sand with swaths of sand hill endemic herbs. Our plot is one of the more densely vegetated herb stands that represents a transition zone between the near bare ridge top with pussy paws and the shrublands described and beyond. It is dominated by bushy golden aster and Penstemon spine flower, with sparse cover of northern curly leaved monkey mint, pussy paws and grilia.</u>			
Disturbance code / Intensity (L,M,H): <u>05/ M</u> <u>20/L</u> _____ / _____ / _____ "Other" _____ / _____			
II. HABITAT DESCRIPTION			
Tree DBH: <u>T1</u> (<1" dbh), <u>T2</u> (1-6" dbh), <u>T3</u> (6-11" dbh), <u>T4</u> (11-24" dbh), <u>T5</u> (>24" dbh), <u>T6</u> multi-layered (T3 or T4 layer under T5, >60% cover)			
Shrub: <u>S1</u> seedling (<3 yr. old), <u>S2</u> young (<1% dead), <u>S3</u> mature (1-25% dead), <u>S4</u> decadent (>25% dead)			
Herbaceous: <u>H1</u> (<12" plant ht.), <u>H2</u> (>12" ht.)			
Desert Riparian Tree/Shrub: 1 (<2ft. stem ht.), 2 (2-10ft. ht.), 3 (10-20ft. ht.), 4 (>20ft. ht.)			
Desert Palm/Joshua Tree: 1 (<1.5" base diameter), 2 (1.5-6" diam.), 3 (>6" diam.)			
III. INTERPRETATION OF STAND			
Field-assessed vegetation Alliance name: <u>Heterotheca sessaliflora / oregona</u>			
Field-assessed Association name (optional): <u>Heterotheca sessaliflora - Chamaeranthus pungens var. hartwegianus</u>			
Adjacent Alliances/direction: <u>Pinus ponderosa sand parkland, Northeast, Southeast, Southwest</u>			
Confidence in Alliance identification: L ☒ M ☒ H _____ Explain: <u>New association</u>			
Phenology (E,P,L): Herb <u>P/L</u> Shrub <u>E</u> Tree <u>-</u> Other identification or mapping information:			

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SPECIES SHEET

Database #: SCR12110

IV. VEGETATION DESCRIPTION

% NonVasc cover: ____ Total % Vasc Veg cover: 25

% Cover - Conifer tree / Hardwood tree: $\frac{-}{-} / \frac{-}{-}$ Regenerating Tree: $\frac{-}{-}$ Shrub: $\frac{-}{-}$ Herbaceous: $\frac{24}{-}$
Height Class - Conifer tree / Hardwood tree: $\frac{-}{-} / \frac{-}{-}$ Regenerating Tree: $\frac{-}{-}$ Shrub: $\frac{-}{-}$ Herbaceous: $\frac{-}{-}$

Height Class - Conifer tree / Hardwood tree: ✓ / ✓ Regenerating Tree: ✓ Shrub: 1 Herbaceous: 1

Height classes: 1=<1/2m, 2=1/2-1m, 3=1-2m, 4=2-5m, 5=5-10m, 6=10-15m, 7=15-20m, 8=20-35m, 9=35-50m, 10=>50m

Stratum categories: T=Tree, A = SApling, E = SEedling, S = Shrub, H= Herb, N= Non-vascular

% Cover Intervals for reference: r = trace, + = <1%, 1-5%, >5-15%, >15-25%, >25-50%, >50-75%, >75%

Stratum		Species	% cover	C	Final species determination
H		<i>Heterotheca sessiliflora</i> var. <i>echinoides</i>	15		
H		<i>Pteridium aquilinum</i>	2		
H		<i>Mulla maritima</i>	+		
H		<i>Chromolaena frutescens</i> var. <i>hairy</i>	5		
H		<i>Calyptidium monospermum</i>	+		
H		<i>Monardella sinuata</i> ssp. <i>rigescens</i>	+		
H		<i>Castilleja exserta</i>	+		
H		<i>Eschscholzia californica</i> ^{Sand Hills var.}	+		
S		<i>Acmispon glaber</i>	1		
H		<i>Gilia tenuiflora</i>	+		
H		<i>Festuca myuros</i>	+		
H		<i>Bromus rubens</i>	1		
H		<i>Erysimum teretifolium</i>	+		
H		<i>Logfia gallica</i>	+		
H		<i>Lupinus bicolor</i>	+		
S		<i>Eriogonum nudum</i> var. <i>decurrens</i>	+		
H		<i>Hypochaeris glabra</i>	+		
S		<i>Lupinus albifrons</i>	+		
H		<i>Brucea maxima</i>	+		
H		<i>Dipterostemon capitatum</i>	r		
H		<i>Stylodine gnaphaloides</i>	+		
H		<i>Mimantia californica</i>	+		

Unusual species: