

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

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                        |                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|--------------------------------------------------------|-----------------------------|
| For Office Use:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Final database #: | Final vegetation type:                                 | Alliance Association        |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                        | circle: <u>Relevé</u> or RA |
| <b>I. LOCATIONAL/ENVIRONMENTAL DESCRIPTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                        |                             |
| Database #:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Date:             | Name of recorder:                                      |                             |
| <u>Scruz III</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | <u>5/18/21</u>    | <u>Lucy Ferneyhough</u>                                |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | UID:              | Other surveyors:                                       |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | <u>EW</u>                                              |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | Location Name:                                         |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   | <u>Granite Rock Sand mine - South Ridge</u>            |                             |
| GPS name:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                   | For Relevé only: Bearing°, left axis at ID point       |                             |
| <u>Lucy's iPhone</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | <u>146</u> of <u>Long / Short</u> side                 |                             |
| UTME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   | Zone: <u>11</u> NAD83 GPS error: ft./m./PDOP <u>15</u> |                             |
| UTMN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                   |                                                        |                             |
| Decimal degrees: LAT <u>37.070673</u> LONG                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                                                        |                             |
| GPS within stand? <u>Yes</u> / No If No, cite from GPS to stand: distance (m) bearing° inclination°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                        |                             |
| and record: Base point ID Projected UTM: UTME UTMN                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                   |                                                        |                             |
| Camera Name: <u>Lucy's camera</u> Cardinal photos at ID point:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                        |                             |
| Other photos:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                   |                                                        |                             |
| Stand Size (acres): <u>&lt;1, 1.5, &gt;5</u>   Plot Area (m²): <u>100</u>   Plot Dimensions <u>10 x 10</u> m   RA Radius m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                                                        |                             |
| Exposure, Actual°: <u>220</u> NE NW SE <u>SW</u> Flat Variable   Steepness, Actual°: <u>18</u> 0° 1-5° <u>&lt;5-25°</u> >25                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                   |                                                        |                             |
| Topography: Macro: <u>top</u> upper mid lower bottom   Micro: <u>convex</u> <u>flat</u> 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>+</u> Bedrock: <u>-</u> Boulder: <u>-</u> Stone: <u>-</u> Cobble: <u>3</u> Gravel: <u>35</u> Fines: <u>61</u> =100%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                        |                             |
| % Current year bioturbation <u>0</u> Past bioturbation present? Yes / <u>No</u>   % Hoof punch <u>0</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                        |                             |
| Fire evidence: Yes / <u>No</u> (circle one) If yes, describe in Site history section, including date of fire, if known.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                        |                             |
| Site history, stand age, comments: <u>We are on Granite Rock mine property on the south ridge side, on top of the ridge facing south. Ponderosa pines dot the landscape, each surrounded by invasive grasses and low sand-adapted shrubs. In the wide open spaces in between sandhill endemic herbs dominate. This plot has a significant cover of gravel and is dominated by pussy paws. Other rare herbs present in smaller numbers include northern curly leaved coyote mint, Ben Leonard wallflower, and Ben Leonard spine flower. Recruitment for the two main herbs is strong. Rill erosion is significant for the plot with a few large rills running through the plot.</u> |                   |                                                        |                             |
| Disturbance code / Intensity (L,M,H): <u>36/M 20/L</u> / / / / "Other" /                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                   |                                                        |                             |
| <b>II. HABITAT DESCRIPTION</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                   |                                                        |                             |
| 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.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                   |                                                        |                             |
| <b>III. INTERPRETATION OF STAND</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                   |                                                        |                             |
| Field-assessed vegetation Alliance name: <u>Calyptidium (umbellata) - Gayophytum (diffusum)</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                   |                                                        |                             |
| Field-assessed Association name (optional): <u>Calyptidium monospermum xeric sand parkland association</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                   |                                                        |                             |
| Adjacent Alliances/direction: <u>Ponderosa pine sand parkland / All</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                   |                                                        |                             |
| Confidence in Alliance identification: L <u>M</u> H Explain: <u>Calyptidium is disjunct from main range.</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                                        |                             |
| Phenology (E,P,L): Herb <u>P/L</u> Shrub <u>P</u> Tree <u>-</u> Other identification or mapping information:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                   |                                                        |                             |

## Combined Vegetation Rapid Assessment and Relevé Field Form

Database #: Schurz 114

(Revised March 27, 2018)

## SPECIES SHEET

#### IV. VEGETATION DESCRIPTION

% NonVasc cover: \_\_\_\_\_ Total % Vasc Veg cover: 9

% Cover - Height Class  
Conifer tree / Hardwood tree: - / - Regenerating Tree: - Shrub: + Herbaceous: 9

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%

| % 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>Stylodone gnaphalodes</i>                       | +       |   |                             |
| H                                                                                                  | <i>Calyptridium monospermum</i>                    | 6       |   |                             |
| S                                                                                                  | <i>Lupinus albus</i>                               | +       |   |                             |
| H                                                                                                  | <i>Lupinus albus</i>                               | +       |   |                             |
| H                                                                                                  | <i>Monardella sinuata</i> var. <i>nigrescens</i>   | +       |   |                             |
| H                                                                                                  | <i>Galium tenuiflorum</i>                          | +       |   |                             |
| H                                                                                                  | <i>Erysimum terebinthifolium</i>                   | +       |   |                             |
| H                                                                                                  | <i>Chorizanthe pungens</i> var. <i>hartwegiana</i> | 2       |   |                             |
| H                                                                                                  | <i>Eriogonum fasciculatum</i>                      | +       |   |                             |
| H                                                                                                  | <i>Hypochaeris glabra</i>                          | +       |   |                             |
| H                                                                                                  | <i>Malacothrix floccifera</i>                      | +       |   |                             |
| H                                                                                                  | <i>Eschscholtzia californica</i> Sand hills var.   | +       |   |                             |
| H                                                                                                  | <i>Mulla manbina</i>                               | +       |   |                             |

**Unusual species:**