

Hawaii Rare Plant Restoration Group

Rare Plant Field Data

Scientific Name \_\_\_\_\_ Date \_\_\_\_\_

Agency \_\_\_\_\_ Agency Population Reference \_\_\_\_\_ Island \_\_\_\_\_

Observers \_\_\_\_\_ Elevation (ft/m) \_\_\_\_\_

Location/Directions/Flagging Scheme/GPS Notes

---



---



---

Photo taken? Y/N \_\_\_\_ Notes

---

| Individual Plant Information |              |                                 |            |                                    |  |   |  | Material Collected               |                                  |                    |   |
|------------------------------|--------------|---------------------------------|------------|------------------------------------|--|---|--|----------------------------------|----------------------------------|--------------------|---|
| Plant #                      | Tag ?<br>Y/N | Sex<br>M/F,<br>Both<br>,<br>Unk | Ht.<br>(m) | Basal<br>Diam<br>(cm)<br>or<br>N/A | Age<br>Class:<br>mature,<br>immat,<br>seedling | Repro.<br>Status:<br>veg, in<br>bud, flwr,<br>imm. frt,<br>mat. fruit,<br>dormant | Vigor:<br>healthy<br>mod,<br>poor,<br>dead | #<br>Imm.<br>Fruit<br>or<br>seed | #<br>Mat.<br>Fruit<br>or<br>seed | #<br>Cut-<br>tings | Propagule<br>Destination &<br>Purpose<br>(i.e. reintroduction,<br>storage-seed/tissue<br>culture, etc.) |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |
|                              |              |                                 |            |                                    |  |   |  |                                  |                                  |                    |   |

Population Structure

| Age Class | Observer Definition of Age Class (Define criteria for seedling, immature, and mature, e.g. height, reproductive status, etc.) | Counted #<br>of Individuals | Estimated #<br>of Individuals |
|-----------|---|-----------------------------|-------------------------------|
| Seedling  |   |                             |                               |
| Immature  |   |                             |                               |
| Mature    |   |                             |                               |
| Total     |   |                             |                               |

**Population Information** (If multiple categories chosen, explain in comments section below.)

| Accuracy level (circle) | Phenology (for mature plants) | Indicate % or count | Condition | Indicate % or count | Light Level         | Indicate % or actual |
|-------------------------|-------------------------------|---------------------|-----------|---------------------|---------------------|----------------------|
| Actual count            | Vegetative                    |                     | Healthy   |                     | Full sun >95%       |                      |
| Estimate                | Bud                           |                     | Moderate  |                     | Partial sun 50-95%  |                      |
|                         | Flower                        |                     | Poor      |                     | Partial shade 5-50% |                      |
|                         | Imm Fruit                     |                     | Dead      |                     | Deep shade 0-5%     |                      |
|                         | Mat Fruit                     |                     |           |                     |                     |                      |
|                         | Dormant                       |                     |           |                     |                     |                      |

**Habitat Characteristics (circle)**

| Overstory Closure >2m | Overstory height (All that apply) | Understory Closure <2m | Soil Drainage | Topography   | Moisture Class       | Slope (degrees) |
|-----------------------|-----------------------------------|------------------------|---------------|--------------|----------------------|-----------------|
| Closed 75-100%        | 2-5m                              | Closed 75-100%         | Well          | crest        | Dry <25"/yr          | flat 0-10°      |
| Intermediate 25-75%   | 5-10m                             | Intermediate 25-75%    | Moderate      | upper slope  | Dry-Mesic 25-50"/yr  | moderate 10-45° |
| Open 0-25%            | >10m                              | Open 0-25%             | Poor          | mid slope    | Mesic 50-75"/yr      | steep 45-70°    |
|                       |                                   |                        | Hydric        | lower slope  | Wet-Mesic 75-100"/yr | vertical 70-90° |
|                       |                                   |                        |               | gulch bottom | Wet >100"/yr         |                 |
|                       |                                   |                        |               | plateau-flat |                      |                 |

Aspect (eg. N,NNW,N/A) \_\_\_\_\_

Associated species (order of abundance)

Overstory >2m \_\_\_\_\_

Understory/Ground Cover <2m(woody and herbaceous) \_\_\_\_\_

Substrate (e.g. soil, pahoehoe, rock, sand, etc.) \_\_\_\_\_

Comments on threats (weeds, ungulates, arthropods), management suggestions and actions

\_\_\_\_\_

\_\_\_\_\_

Sketch Map