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GOVERNOR OF HAWAII



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**DEPARTMENT OF LAND AND NATURAL RESOURCES**

POST OFFICE BOX 621  
HONOLULU, HAWAII 96809

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KAHOOLAWE ISLAND RESERVE COMMISSION  
LAND  
STATE PARKS

**ENDANGERED SPECIES RECOVERY COMMITTEE MEETING**

**DATE:** May 13, 2014  
**TIME:** 9:00 a.m.  
**PLACE:** Room 322B, Department of Land and Natural Resources, Kalanimoku Building,  
1151 Punchbowl Street, Honolulu HI 96813

**AGENDA**

- ITEM 1. Call to order.**  
ITEM 1.a. Introductions of Committee members and participants.  
ITEM 1.b. Layout of workshop/briefing on endangered plants in the context of habitat conservation plans and safe harbor agreements – challenges and solutions.
- ITEM 2. DOFAW staff overview of two current state Habitat Conservation Plans and a Safe Harbor Agreement:** 1 – Habitat Conservation Plan for *Abutilon menziesii* in Kapolei, 2004, 2 – Round-leaved Chaff Flower (*Achyranthes splendens* var. *rotundata*) Habitat Conservation Plan Kenai Industrial Park Project, 2014, 3 – Safe Harbor Agreement Between Pacific Gas and Electric and the U.S. Fish and Wildlife Service for Serpentine Endemic Species Located on Tulare Hill in Santa Clara County, California
- ITEM 3. Population Baseline Determinations.**  
ITEM 3.a. **Population Estimates. Certain plant species-specific characteristics (e.g., growth form) can make it difficult to accurately estimate population numbers.** Determine if other factors besides number of individual plants can be used to define baseline for Safe Harbor Agreements and Habitat Conservation Plans.  
ITEM 3.b. **Plant life stages. Plant life cycle stages are often simplified for conservation purposes and grouped into three main categories: seedlings, immature, and reproductive individuals.** Determine the stage of the plant life cycle that should be counted towards a baseline (i.e., dealing with seedlings and immature stages of plants).  
ITEM 3.c. **Delineating population units. Plant population units may be separated geographically and possibly genetically and as such not exhibit cross-fertilization deeming them to be a discrete population.** Determine if baselines should delineate population units and if so, how are population units defined?

- ITEM 3.d. **Out-planted and founder plants.** Plants may be propagated outside of their natural environment (i.e. in a greenhouse setting) and out-planted back into the wild in appropriate habitat (or the best possible habitat available at the time) for various reasons. Out-planted plants may have lower survivorship due to inappropriate site selection (sometimes due to lack of availability of appropriate high quality sites) or low genetic variation that potentially limits long-term survival of the population. Determine how to account for previous outplantings within a project area for an HCP or SHA, should those outplanted plants be included in baseline numbers along with founder plants? If including outplanted plants in baseline, determine at what point from the time of planting should they be included.
- ITEM 4. **Appropriate expectations for HCP and SHA applicants.** Decide what monitoring/ reporting frequency is reasonable to expect of private landowners implementing SHAs as compared to HCP license holders.
- ITEM 5. **Appropriate triggers for adaptive management.** Maintenance and monitoring of baseline conditions are required under a Safe Harbor Agreement. Habitat Conservation Plans have success criteria to determine if mitigation is being met and is based on the monitoring and success of the species. Based on the variability of plant species such as life cycle and weather dependent presence, conclude what types of triggers are appropriate to trigger further monitoring or mitigation under adaptive management.
- ITEM 6. **Net-benefit and species recovery.** Pursuant to HRS Chapter 195D-4, an Incidental Take License issued through a Habitat Conservation Plan should increase the likelihood that the species will survive and recover and the activity permitted and facilitated by the license (either through a HCP or SHA) should provide net environmental benefits. Define net benefit as applicable to plant species, taking into consideration the factors discussed previously – growth patterns, life cycle, etc.
- ITEM 7. Adjournment.

Public may testify on each meeting agenda item. Public may request meeting materials by contacting Dr. Marie Morin at Marie.P.Morin@hawaii.gov or (808) 587-4187.

If you desire to attend the meeting and require auxiliary aids (taped materials or sign language interpreter) please request assistance five business days prior to the meeting by calling or writing the Division of Forestry and Wildlife at (808)587-0166; Division of Forestry and Wildlife, 1151 Punchbowl Street, Room 325, Honolulu, Hawai‘i, 96813.