

Appendix F.

APPENDIX F. List of Plant Species Observed at Flying R Ranch

The following checklist is an inventory of all the plant species observed by SWCA biologists on December 16, 2009 at the Flying R Ranch site, Island of O`ahu. SWCA staff conducted a walk-through survey method of an approximate 50 x 40 m (164 x 131 ft) area surrounding the proposed microwave tower site and along the dirt trail leading to the site. All plant species were documented and notes were made on plant communities, relative abundances, and substrate types. Plant identifications were made in the field; however, plants which could not be positively identified were collected for later determination in the herbarium, and for comparison with the most recent taxonomic literature.

The plant names are arranged alphabetically by family and then by species into each of two groups: Monocots and Dicots. The taxonomy and nomenclature of the flowering plants are in accordance with Wagner et al. (1990, 1999), Wagner and Herbst (1999), and Staples and Herbst (2005). Recent name changes are those recorded in the Hawaii Biological Survey series (Evenhuis and Eldredge, eds., 1999-2002).

For each species, the following is provided:

1. Scientific name with author citation.
2. Common English and/or Hawaiian name(s), when known.
3. Biogeographic status. The following symbols are used:
 - E= endemic= native only to the Hawaiian Islands.
 - I= indigenous= native to the Hawaiian Islands and elsewhere.
 - P = introduced by Polynesians.
 - X=introduced or alien = all those plants brought to the Hawaiian Islands by humans, intentionally or accidentally, after Western contact (Cook's arrival in the islands in 1778).
4. Relative site abundance. The following categories are used.
 - Abundant = forming a major part of the vegetation within the survey area.
 - Common = widely scattered throughout the area or locally abundant within a portion of it.
 - Uncommon = scattered sparsely throughout the area or occurring in a few small patches.
 - Rare = only a few isolated individuals within the survey area.

SCIENTIFIC NAME	COMMON NAME	STATUS	ABUNDANCE
<u>ANGIOSPERMS- MONOCOTS</u>			
POACEAE			
<i>Melinis repens</i> (Willd.) Zizka	natal red top	X	Rare
<i>Urochloa maxima</i> (Jacq.) R. Webster	Guinea grass	X	Common
<u>ANGIOSPERMS- DICOTS</u>			
ANACARDIACEAE			
<i>Schinus terebinthifolius</i> Raddi	Christmas berry	X	Rare
ASTERACEAE			
<i>Ageratum conyzoides</i> L.	maile honohono	X	Common
EUPHORBIACEAE			
<i>Phyllanthus debilis</i> Klein ex Willd.	niruri	X	Rare
FABACEAE			
<i>Acacia farnesiana</i> (L.) Willd.	klu, aroma, kolu	X	Rare
<i>Desmodium incanum</i> DC.	Spanish clover, ka`imi	X	Uncommon
<i>Mimosa pudica</i> L.	sensitive plant, sleeping grass	X	Uncommon
<i>Senna surattensis</i> (Burm.f.) H.S.Irwin & Barneby	Kolomona, scrambled egg plant	X	Rare
<i>Stylosanthes</i> sp.	---	X	Rare
MALVACEAE			
<i>Sida acuta</i> N.L. Burm.	---	X	Uncommon
<i>Sida rhombifolia</i> L.	---	X	Uncommon
MYRTACEAE			
<i>Syzygium cumini</i> (L.) Skeels	Java plum	X	Common
OXALIDACEAE			
<i>Oxalis corniculata</i> L.	yellow wood sorrel, `ihi `ai	X	Rare
PROTEACEAE			
<i>Grevillea robusta</i> A.Cunn. ex R.Br.	silver oak, silk oak	X	Rare
SAPINDACEAE			
<i>Dodonaea viscosa</i> Jacq.	a`ali`i	I	Rare
STERCULIACEAE			
<i>Waltheria indica</i> L.	`uhaloa	I	Uncommon
VERBANACEAE			
<i>Stachytarpheta jamaicensis</i> (L.) Vahl	Jamaica vervain	X	Common