APPENDIX C-2
SWCA Botanical and Faunal Survey

CHECKLIST OF PLANTS OBSERVED AT MAUI RESEARCH AND TECHNOLOGY PARK (MRTP)
FEBRUARY 23 and MARCH 31, 2011

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. (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 information is provided: scientific name with author citation, common English and/or Hawaiian name(s), when known; and biogeographic status.

KEY to biogeographic status:
- I = indigenous = native to the Hawaiian Islands and elsewhere;
- X = introduced or alien = all those plants brought to the Hawaiian Islands by humans, intentionally or accidentally, after Western contact, that is Cook's arrival in the islands in 1778

KEY to relative site abundance:
- A = Abundant = forming a major part of the vegetation within the project area;
- C = Common = widely scattered throughout the area or locally abundant within a portion of it;
- U = Uncommon = scattered sparsely throughout the area or occurring in a few small patches;
- R = Rare = only a few isolated individuals within the project area

KEY to surveys:
- Hobdy = Robert Hobdy (October 2008)
- **SWCA** = SWCA, this survey (February 2011)

Scientific Name	Common Name(s)	Status	2011 Relative Site Abundance	Source Survey
Monocots				
POACEAE				
Cenchrus ciliaris L.	buffelgrass	X	A A	Hobdy **SWCA**
Chloris barbata Sw.	swollen finger grass	X	C C	Hobdy **SWCA**
Cynodon dactylon (L.) Pers.	Bermuda grass	X	C	**SWCA**
Eragrostis pectinacea (Michx.) Nees	Carolina love grass	X	C C	Hobdy **SWCA**

Scientific Name	Common Name(s)	Status	2011 Relative Site Abundance	Source Survey
Dicots				
AMARANTHACEAE				
Alternanthera pungens Kunth	khaki weed	X	R	**SWCA**
Amaranthus spinosus L.	spiny amaranth, pakai kukü	X	U U	Hobdy **SWCA**
Amaranthus hybridus subsp. *hybridus*	green amaranth	X	R	**SWCA**
ASTERACEAE				
Ageratum conyzoides L.	billygoat weed, maile	X	R	**SWCA**
Verbesina encelioides (Cav.) Benth. & Hook.	golden crown-beard	X	R R	Hobdy **SWCA**
Zinnia peruviana (L.) L.	pua pihi	X	R	**SWCA**
BORAGINACEAE				
Cordia subcordata Lam.	kou	I	R	**SWCA**
Heliotropium curassavicum L.	kīpükai, seaside heliotrope	I	R	**SWCA**
CONVOLVULACEAE				
Ipomoea obscura (L.) Ker Gawl.	morning glory	X	R	**SWCA**
Merremia aegyptia (L.) Urb.	hairy merremia	X	R	**SWCA**
CUCURBITACEAE				
Lagenaria siceraria (Molina) Standl.	bottle gourd	X	R	**SWCA**
EUPHORBIACEAE				
Chamaesyce hypericifolia (L.) Millsp.	graceful spurge	X	-	Hobdy

Scientific Name	Common Name(s)	Status	2011 Relative Site Abundance	Source Survey
Euphorbia cyathophora J.A.Murray	Mexican fire plant, wild poinsettia	X	R	**SWCA**
Ricinus communis L.	castor bean	X	R	**SWCA**
FABACEAE				
Acacia farnesiana (L.) Willd.	klu	X	R R	Hobdy **SWCA**
Desmanthus pernambucans (L.) Thellung	slender mimosa	X	-	Hobdy
Leucaena leucocephala (Lam.) de Wit	koa haole	X	R R	Hobdy **SWCA**
Prosopis pallida (Humb. & Bonpl. ex Willd.) Kunth	kiawe	X	A A	Hobdy **SWCA**
Samanea saman (Jacq.) Merr.	monkey pod, rain tree, ʻohai, pü ʻohai	X	R	**SWCA**
LAMIACEAE				
Leonotis nepetifolia (L.) R. Br.	lion's ear	X	R	**SWCA**
MALVACEAE				
Abutilon grandifolium (Willd.) Sweet	hairy abutilon, maʻo	X	R	**SWCA**
Malva parviflora L.	cheese weed	X	C	**SWCA**
Sida fallax Walp.	ʻilima	I	R U	Hobdy **SWCA**
MORACEAE				
Ficus microcarpa L.f.	Chinese banyan	X	R	**SWCA**
SOLANACEAE				
Nicandra physalodes (L.) Gaertn.	apple of Peru	X	R	**SWCA**
STERCULIACEAE				

Scientific Name	Common Name(s)	Status	2011 Relative Site Abundance	Source Survey
Waltheria indica L.	ʻuhaloa	I?	U U	Hobdy **SWCA**
VERBENACEAE				
Citharexylum spinosum L.	fiddlewood	X	R	**SWCA**

Literature Cited:

Hobdy, R.W. 2008. Botanical and fauna surveys for the Maui research and technology park proposed urban zoning expansion project, Kihei. Report prepared for Pacific Rim Land, Inc.

Evenhuis, N. L., and L. G. Eldredge, eds., 1999-2002. Records of the Hawaii Biological Survey. Bishop Museum Occasional Papers No. 58-70.

Staples, G. W., and D. R. Herbst. 2005. *Garden Flora. Plants cultivated in the Hawaiian Islands and other tropical places*. Honolulu: Bishop Museum Press.

Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1999. Manual of the flowering plants of Hawaii. Honolulu: University of Hawaii Press and Bishop Museum Press.

Wagner, W. L., and D. R. Herbst. 1999. Supplement to the Manual of the flowering plants of Hawaii, pp. 1855-1918. In: Wagner, W. L., D. R. Herbst, and S. H. Sohmer. 1999. *Manual of the flowering plants of Hawaii*. Honolulu: University of Hawaii Press and Bishop Museum Press.