

Table 1. List of native plant species found in 'ohi'a-dominated pastures north of the 1926 lava flow (2,400 to 3,580 feet elevation).

Taxon	Common Name	¹Origin
<u>Monocots and Dicots</u>		
<i>Alyxia stellata</i>	maile	E
<i>Cheirodendron trigynum</i>	'olapa	E
<i>Clermontia</i> sp.	'oha wai	E
<i>Cocculus trilobus</i>	hue hue	I
<i>Coprosma</i> sp.	pilo	E
<i>Freycinetia arborea</i>	'ie 'ie	E
<i>Ilex anomala</i>	ka'awa'u	E
<i>Myrsine lessertiana</i>	kolea	E
<i>Nestegis sandwicensis</i>	olopua	E
<i>Metrosideros polymorpha</i>	'ohi'a lehua	E
<i>Pipturus albidus</i>	mamake	E
<i>Peperomia</i> sp.	'ala'ala wai nui	E
<i>Perrottetia sandwicensis</i>	olomea	E
<i>Pisonia sandwicensis</i>	papala kepau	E
<i>Pittosporum hosmeri</i>	ho'awa	E
<i>Pritchardia schattaueri</i>	loulu	E
<i>Psychotria hawaiiensis</i>	kopiko	E
<i>Santalum paniculatum</i>	'iliahi	E
<i>Wikstroemia sandwicensis</i>	akia	E
<u>Ferns and Fern Allies</u>		
<i>Cibotium glaucum</i>	hapu'u pulu	E
<i>Dicranopteris linearis</i>	uluhe	I
<i>Microlepia strigosa</i>	palapalai	I
<i>Psilotum nudum</i>	moa	I
<i>Sadleria cyatheoides</i>	'ama'u	E

¹Origin: E = endemic; I = indigenous

Table 2. List of native plant species observed in the mixed mesic forest at Martin paddock (2,200 to 2,600 feet elevation).

Taxon	Common Name/Status	¹Origin
<u>Trees</u>		
<i>Antidesma platyphyllum</i>	hame - may be a native hybrid	E
<i>Antidesma pulvinatum</i>	hame - Few seen	E
<i>Diospyros sandwicensis</i>	lama - uncommon, lower margin	E
<i>Flueggea neowawraea</i>	mehamehame	E
<i>Melicope hawaiiensis</i>	manena - only one tree seen; ID needs confirmation	E
<i>Metrosideros polymorpha</i>	'ohi'a - co-dominant, some quite large	E
<i>Myrsine lanaiensis</i>	kolea - occasional along margin of 1926 lava flow	E
<i>Myrsine lessertiana</i>	kolea - occasional to uncommon	E
<i>Nestigis sandwicensis</i>	olopua - co-dominant; some quite large	E
<i>Pipturus albidus</i>	mamaki - uncommon	E
<i>Pisonia sandwicensis</i>	aulu -co-dominant; some quite large	E
<i>Pittosporum hawaiiense</i>	hoawa - locally uncommon, middle section	E
<i>Pittosporum hosmeri</i>	hoawa - locally uncommon, lower margin	E
<i>Pouteria sandwicensis</i>	'ala'a - occasional groups; one enormous	E
<i>Psychotria hawaiiensis</i>		
var. <i>hawaiiensis</i>	kopiko – occasional	E
<i>Psychotria hawaiiensis</i>		
var. <i>hillebrandii</i>	kopiko – uncommon	E
<i>Psydrax odorata</i>	alahe'e - uncommon, lower margin	I
<i>Streblus pendulinus</i>	a'ia'i - locally uncommon, upper section	I
<i>Wikstroemia sandwicensis</i>	'akia - locally uncommon, lower section	E
<u>Other Native Plants</u>		
<i>Aleurites moluccana</i>	kukui	P
<i>Asplenium nidus</i>	ekaha - locally rare epiphytic fern	I
<i>Asplenium polyodon</i>	punanna manu – uncommon	I
<i>Caesalpinia bonduc</i>	kakalaioa - occasional viny shrub	I
<i>Cibotium glaucum</i>	hapu'u - occasional tree fern	E
<i>Cocculus orbiculatus</i>	huehue - occasional to common vine	I
<i>Coprosma cymosa</i>	pilo - viny shrub, lower middle section	E
<i>Dryopteris fusco-atra</i>	'i'i - occasional ground fern	E
<i>Elaphoglossum</i> sp.	'ekaha - few seen	E
<i>Embelia pacifica</i>	kilioe - rare vine	E
<i>Frecinetia arborea</i>	'ie'ie - occasional vine	I
<i>Ipomoea indica</i>	koali 'awa - common vine	I
<i>Korthalsella platycaula</i>	hulumoa - parasite fallen from host tree	I
<i>Lepisorus thunbergianus</i>	pakahakaha - occasional, epiphytic fern	I
<i>Microlepia strigosa</i>	palapalai - few seen, ground fern	I
<i>Peperomia blanda</i>	'ala'alawainui – few seen on ground	I
<i>Peperomia tetraphylla</i>	'ala'alawainui -occasional epiphyte on <i>Pisonia</i>	I
<i>Psilotum nudum</i>	moa - occasional, epiphytic fern	I
<i>Pteris cretica</i>	'oali - uncommon ground fern	I

¹Origin: E = endemic; I = indigenous; P = Polynesian introduction

Table 3. List of the most invasive woody weeds in the project area.

Taxon	Common Name/Status	¹Origin
<i>Asclepias physocarpa</i>	balloon plant	Abundant in open pastures
<i>Bocconia frutescens</i>	bocconia	Incipient invader needing eradication
<i>Desmodium tortuosum</i>	Florida beggerweed	Dense thickets in Martin forest
<i>Grevillea robusta</i>	silk oak	Large tree; highly invasive
<i>Olea europa</i>	Russian olive	Explosive invader in lower pastures
<i>Psidium cattleianum</i>	strawberry guava	Explosive invader in forests and pastures
<i>Psidium guajava</i>	common guava	Extensive invader in forests and pastures
<i>Rubus niveus</i>	Mysore raspberry	Incipient invader needing eradication
<i>Schinus terebinthifolius</i>	Christmas berry	Tree takes over quickly; widespread
<i>Spathodea companulata</i>	African tulip tree	Incipient invader needing eradication

Table 4. List of birds species observed in the project area (September - October, 2015).

Taxon Common	Name	¹Origin
<i>Asio flammeus sandwichensis</i>	short-eared owl, pueo	E
<i>Bubulcus ibis</i>	cattle egret	X
<i>Himatione sanguinea</i>	'apapane	E
<i>Buteo solitarius</i>	Hawaiian hawk, 'io	E (endangered)
<i>Chasiempis sandwichensis</i>	'elepaio	E
<i>Francolinus erckelii</i>	erckel's francolin	X
<i>Geopelia striata</i>	zebra dove	X
<i>Hemignathus virens</i>	'amakihi	E
<i>Lophura leucomelana</i>	kalij pheasant	X
<i>Pavo cristatus</i>	common peafowl	X
<i>Pluvialis fulva</i>	pacific golden plover	I
<i>Serinus mozambicus</i>	yellow-fronted canary	X
<i>Sicalis flaveola</i>	saffron finch	X
<i>Streptopelia chinensis</i>	spotted dove	X
<i>Zosterops japonicas</i>	Japanese white-eye	X

¹Origin: E = endemic; I = indigenous; X = introduced species

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native