

# 6

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## CHECKLIST OF FAUNA

Families are listed alphabetically under birds, mammals and Hawaiian land snails. Genera and species are arranged alphabetically. For each species the following information is provided:

1. Scientific name.
2. Vernacular name, when commonly used, or Hawaiian name when known.
3. Status of the species. The following symbols are employed:
  - E endemic to the Hawaiian Islands.
  - I indigenous (native) in the Hawaiian Islands but also occurring naturally elsewhere.
  - X an introduced species to Hawaii.
  - P a species presumed to be of Polynesian introduction.
4. Endangered Status—
  - \*Endangered for the island of Oahu. Division of Fish and Game Regulation 6, August 1973.
  - \*\*Endangered, State of Hawaii (Reg. 6) and Federal Register, October 27, 1976.
5. Distribution of species. An "X" indicates the sighting or probable presence of a species based on on-site surveys, literature reviews and personal communications with people familiar with the project area.



## CHECKLIST OF PLANTS

Families are listed alphabetically within each of four groups: Pteridophyta, Gymnospermae, Monocotyledonae and Dicotyledonae. Genera and species are arranged alphabetically. Taxonomy and nomenclature of pteridophytes follow Wagner's unpublished checklist of Hawaiian Pteridophytes except where more commonly accepted names are listed. Taxonomy and nomenclature of flowering plants follow St. John (1973). Common Hawaiian names used in the checklist are in accordance with Porter (1972) or St. John (1973).

For each species the following information is provided:

1. Scientific name.
2. Vernacular name, when commonly used, or Hawaiian name when known.
3. Status of the species. The following symbols are employed:
  - E endemic to the Hawaiian Islands, i.e. occurring naturally nowhere else in the world.
  - I indigenous, i.e., native to the Hawaiian Islands but also occurring naturally (without the aid of man) elsewhere.
  - X exotic, i.e., plants of accidental or deliberate introduction after the Western discovery of the islands.
  - P Polynesian introduction; it includes those plants brought by the Polynesian immigrants previous to Captain Cook's discovery of the island.
4. Federal Register (FR)—Federal Register entry, June 16, 1976.
  - \*endangered (a taxon which is in danger of extinction throughout all or a significant portion of its range—def. from Pub. Law 93205).
5. Distribution of species. An "X" indicates the presence or probable presence of a particular species in a given area. These indications are based on on-site surveys, literature reviews and personal communications with persons familiar with the project area. The absence of an "X" for any given area does not necessarily preclude the presence of the species in this area.

# CHECKLIST OF BIRDS

SCIENTIFIC NAME	COMMON NAME	STATUS	DISTRIBUTION																		
			UPLAND					COASTAL AREAS					MAKUA VALLEY								
			GRASSLAND	DRY FOREST	WET FOREST	MOUNTAIN BOG	KAENA POINT	WINDWARD TALUS SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEeward SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM									
<b>CHARADRIIDAE</b>																					
<i>Arenaria interpres</i>	Ruddy turnstone, akekeke	I									X	X	X								
<i>Pluvialis dominica fulva</i>	Pacific golden plover, kolea	I	X								X	X	X								
<b>COLUMBIDAE</b>																					
<i>Geopelia striata</i>	Barred dove	X	X								X	X	X	X	X						
<i>Streptopelia chinensis</i>	Lace-necked dove	X	X								X	X	X	X	X						
<b>DREPANIDIDAE</b>																					
<i>Himatione sanguinea</i>	'Apapane	E		X	X	X	X														X
<i>Ixops maculata</i>	Oahu creeper	E**		X	X	X	X														X
<i>I. virens chloris</i>	Oahu amakihi	E		X	X	X	X														X
<i>Vestiaria coccinea</i>	I'iwi	E*		X	X	X	X														
<b>FREGATIDAE</b>																					
<i>Fregata minor palmerstoni</i>	Great frigate bird	I												X	X	X	X				
<b>FRINGILLIDAE</b>																					
<i>Carpodacus mexicanus frontalis</i>	House finch	X	X	X	X	X								X	X	X	X	X	X	X	X
<i>Lonchura punctulata</i>	Ricebird	X												X	X	X	X	X	X	X	X
<i>Paroaria coronata</i>	Brazilian cardinal	X																			X
<i>Passer domesticus</i>	English sparrow, house sparrow	X																			X
<i>Richmondia cardinalis</i>	Cardinal, Kentucky cardinal	X	X	X	X	X															X
<b>MIMIDAE</b>																					
<i>Mimus polyglottos</i>	Mockingbird	X												X	X	X	X				X
<b>MUSCICAPIDAE</b>																					
<i>Chasiempis sandwichensis</i>	Oahu elepaio	E		X	X	X															X
<b>PHAETHONTIDAE</b>																					
<i>Phaethon lepturus dorotheae</i>	White-tailed tropic bird	I												X	X	X	X				X
<b>PHASIANIDAE</b>																					
<i>Alectoris graeca chukar</i>	Chukar	X	X																		
<i>Coturnix japonica</i>	Japanese quail	X	X																		X
<i>Francolinus erekelli</i>	Erckel's francolin	X	X																		
<i>Pavo cristata</i>	Pea fowl	X		X															X	X	X
<i>Phasianus colchicus torquatus</i>	Ring-necked pheasant	X	X	X																	X

# CHECKLIST OF BIRDS

SCIENTIFIC NAME	COMMON NAME	STATUS	DISTRIBUTION									
			UPLAND			COASTAL AREAS					MAKUA VALLEY	
			GRASSLAND	DRY FOREST	WET FOREST	MOUNTAIN BOG	KAENA POINT	WINDWARD TALUS SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEeward SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM
PROCELLARIIDAE												
Puffinus pacificus chlororhynchus	Wedge-tailed shearwater	I					X		X	X		
SCOLOPACIDAE												
Calidris alba	Sanderling, huna kai	I					X	X	X	X		
Heteroscelus incanus	Wandering tattler, 'ulili	I					X	X	X	X		
Numenius tahitiensis	Bristle-thighed curlew, kioea	I					X	X	X	X		
STURNIDAE												
Acridotheres tristis	Common mynah	X					X		X	X		
STRIGIDAE												
Asio flammeus sanwicensis	Pueo	E*	X	X					X	X	X	
SULIDAE												
Sula sula rubripes	Red-footed booby	I					X		X	X		
SYLVIIDAE												
Copsychus malabaricus	Shama thrush	X		X								X
Horreites cahtans	Bush warbler	X		X								
TIMALIIDAE												
Garrulax canorus	Melodious laughing thrush	X		X								X
Leiothrix lutea	Red-billed leiothrix	X		X								X
TYTONIDAE												
Tyto alba pratincola	Barn owl	X	X	X					X	X	X	
ZOSTEROPIDAE												
Zosterops japonica	Japanese white-eye	X	X	X				X	X	X	X	X

# CHECKLIST OF MAMMALS

SCIENTIFIC NAME	COMMON NAME	STATUS	DISTRIBUTION									
			UPLAND			COASTAL AREAS				MAKUA VALLEY		
			GRASSLAND	DRY FOREST	WET FOREST	MONTANE BOG	KAENA POINT	SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEeward SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM
BOVIDAE												
Bostaurus	Cattle, pipi	X						X				
Capra hircus	Goat, kao	X						X				X
CANIDAE												
Canis familiaris	Dog, ilio	P	X	X			X	X	X	X	X	X
EQUIDAE												
Equus caballus	Horse	X	X						X			
FELIDAE												
Felis catus	Cat, popoki	X	X	X		X	X	X	X	X	X	
MURIDAE												
Mus musculus	House mouse	X	X	X			X	X	X	X	X	X
Rattus exulans hawaiiensis	Hawaiian rat, iole	E	X	X			X	X	X	X	X	X
R. norvegicus	Brown rat, iole	X	X	X			X	X	X	X	X	X
R. rattus	Roof rat, blackrat	X	X	X			X	X	X	X	X	X
SUIDAE												
Sus scrofa	Pig, pua'a	E	X	X	X	X		X		X	X	X
VESPERTILIONIDAE												
Lasiurus cinereus semotus	Hawaiian bat	E**	X	X				X	X	X	X	X
Viverridae												
Herpestes auropunctatus	Mongoose, iole-manakuke	X	X	X	X	X	X	X	X	X	X	X

## CHECKLIST OF HAWAIIAN LAND SNAILS

SCIENTIFIC NAME			COMMON NAME			STATUS			DISTRIBUTION										
									UPLAND				COASTAL AREAS				MAKUA VALLEY		
									GRASSLAND	DRY FOREST	WET FOREST	MONTANE BOG	KAENA POINT	WINDWARD TALUS SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEeward SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM	
ACHATINELLIDAE																			
Achatinella concavospira						E			X	X								X	X
A. lymania						E			X	X								X	X
A. mustelina						E			X	X								X	X
A. sordida						E			X	X								X	X
AMASTRIDAE																			
Amastra cornea						E			X	X								X	X
A. rubens						E			X	X								X	X

# CHECKLIST OF PLANTS

SCIENTIFIC NAME	COMMON NAME	STATUS	DISTRIBUTION													
			UPLAND					COASTAL AREAS					MAKUA VALLEY			
			GRASSLAND	DRY FOREST	WET FOREST	MOUNTAIN BOG	KAENA POINT	WINDWARD TALUS SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEeward SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM				
PTERIDOPHYTA																
ADIANTACEAE																
<i>Adiantum capillus-veneris</i>	'Iwa'iwa	I														
<i>A. hispidulum</i>	'Iwa'iwa	X	X										X			
<i>Coniogramme pilosa</i>	Lo'ulu	E	X										X			
<i>Doryopteris decora</i>	Kumu-niu	E	X													
<i>Pityrogramma calomelanos</i>	Gold fern	X	X	X												
<i>Pteris excelsa</i>	Waimaka-nui	I	X													
<i>P. irregularis</i>	Mana	E	X													
ASPIDIACEAE																
<i>Athyrium macraei</i>	Ho'i'o	E	X													
<i>A. microphyllum</i>	'Akolea	E	X	X												
<i>A. sandwichianum</i>	Ho'io	E	X	X												
<i>Cyclosorus sandwicensis</i>		E	X	X												
<i>Cyrtomium carvotideum</i>	Ka'ape'ape	I	X													
<i>Dryopteris fusco-atra</i>		F	X													
<i>D. glabra</i>	Kilau	I	X													
<i>D. hawaiiensis</i>		E	X													
<i>D. keraudreniana</i>	Waimaka-nui	E	X													
<i>D. parasitica</i>		X	X													
<i>D. parvula</i>		E	X													
<i>D. stegogrammoides</i>	Ho'i'o-kula	E	X													
<i>D. unidentata</i>	'Akole	E	X													
<i>Elaphoglossum aemulum</i>	'Ekaha	E	X	X												
<i>E. alatum</i>	'Opeha, 'ekaha	E	X	X												
<i>E. crassifolium</i>	'Ekaha	E	X	X												
<i>E. hirtum var. micans</i>	'Ekaha	E	X	X												
ASPLENIACEAE																
<i>Asplenium contiguum</i>		E	X													
<i>A. horridum</i>	'Alae	I	X	X												
<i>A. kaulfussii</i>	Kuuu	I	X													
<i>A. macraei</i>		E	X	X												
<i>A. nidus</i>	'Ekaha	I	X													
<i>A. unilaterale</i>	Pamoho	I	X	X												

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BLECHNACEAE													
Blechnum occidentale			X									X	
Doodia kunthiana		'Okupukupu	E										
Sadleria cyatheoides		'Ama'u, 'ama'uma'u	E		X	X	X						
S. pallida		'Ama'u, 'ama'u-i'i	E		X	X	X						
DAVALLIACEAE													
Nephrolepis cordifolia		'Okupukupu	I		X	X	X						
N. exaltata		Pamofo	I	X	X	X	X		X			X	X
N. hirsutula		Kupukupu	X	X	X	X						X	X
DENNSTAETIACEAE													
Microlepia strigosa		Palapalai	I		X								
Pteridium aquilinum var. decompositum		Kilau	E		X							X	X
DICKSONIACEAE													
Cibotium Chamissoi		Hapu'u'i'i	E		X	X	X						
C. glaucum		Hapu'u	E		X	X	X						
C. splendens		Hapu'u pulu	E		X	X	X						
GLEICHENIACEAE													
Dicranopteris emarginata		Uluhe	F		X	X	X						
D. linearis		Uluhe	I		X	X	X					X	X
Hicriopteris pinnata		Uluhe-lau-nui	I		X	X	X					X	X
GRAMMITIDACEAE													
Adenophorus hymenophylloides		Pai	F										
A. tamariscinus		Wahine-noho-mauna	F		X	X	X						
A. tripinnatifidus		Wahine-noho-mauna	F		X	X	X						
Grammitis hookeri		Maku'e-lau-li'i	I		X	X	X					X	
G. tenella		Kolokolo	F		X	X	X						
Xiphopteris saffordii		Kihi	F		X	X	X						
HYMENOPHYLLACEAE													
Callistopteris baldwinii			E			X	X						
Gonocormus minutus			E		X								
Mecodium recurvum		Ohi'a ku	E			X	X						
Sphaerocionium lanceolatum		Palai-lau-li'i	F			X	X						
Vandenboschia davallioides		Kilau	F		X	X	X						



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LINDSÆACEAE Sphenomeris chinensis	Pala'a	I	X	X	X	X								X	
LYCOPODIACEAE Lycopodium cernuum	Wawae-'iole	I		X											
MARATTIACEAE Marattia douglasii	Pala	E	X												
POLYPODIACEAE Microsorium scolopendria	Iaua'e	X	X	X										X	X
	Iaua'e haole	I	X	X										X	X
	Pleopeltis thunbergiana	I	X	X						X				X	X
PSILOTACEAE Psilotum complanatum	Moa, pipi	I	X	X	X										X
	P. nudum	I	X											X	X
SELAGINACEAE Selaginella arbuscula	Lepelape-a-moa	E		X											X
GYMNOSPERMAE ARAUCARIACEAE Araucaria heterophylla	Norfolk Island pine	X		X											
MONOCOTYLEDONAE AMARYLLIDACEAE Agave sisalana	Sisal, malina	X								X	X	X			
ARACEAE Xanthosoma sp.	'Ape	X													X
COMMELINACEAE Commelina benghalensis	Hairy honohono	X												X	X
	C. diffusa	X	X	X						X	X	X		X	X
CYPERACEAE Carex meyenii		E		X											X
	C. wahuensis	E		X										X	X
	Cyperus brevifolius	X	X	X										X	X
	C. neo-kunthianus	E		X										X	X

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CYPERACEAE continued																		
<i>C. trachysanthos</i>	Sticky galingale	E					X											
<i>Gahnia beecheyi</i>		E	X															
<i>G. globosa</i>		E	X															
<i>Machaerina angustifolia</i>	'Uki	I	X	X														
<i>M. mariscoides</i> ssp. meyenii	'Uki, aha-nui	I	X	X														
<i>Rhynchospora sclerioides</i>	Hawaiian beak rush	E	X															
DIOSCOREACEAE																		
<i>Dioscorea pentaphylla</i>	Pi'ia, pi'a	P	X															
GRAMINEAE																		
<i>Andropogon virginicus</i>	Broomsedge	X	X	X	X													
<i>Axonopus compressus</i>	Broad-leaved carpetgrass	X	X	X	X													
<i>Bracharia mutica</i>	Paragrass	X	X	X	X													
<i>Cenchrus ciliaris</i>	Buffelgrass	X	X	X	X													
<i>C. echinatus</i>	Common sandbur 'ume'alu	X	X	X	X													
<i>Chloris inflata</i>	Swollen fingergrass, mau'lulei	X	X	X	X													
<i>C. radiata</i>	Radiate fingergrass	X	X	X	X													
<i>Chrysopogon aciculatus</i>	Golden beardgrass, pilipili-'ula	X	X	X	X													
<i>Cynodon dactylon</i>	Bermuda grass, manienie	X	X	X	X													
<i>Dactyloctenium aegyptium</i>	Beach wiregrass	X	X	X	X													
<i>Digitaria adscendens</i>	Henry's crabgrass	X	X	X	X													
<i>Dissochondrus biflorus</i>		X	X	X	X													
<i>Eleusine indica</i>	Goosegrass, manienie-'ali'i	E*	X															
<i>Eragrostis ciliaris</i>	Stinkgrass	X	X	X	X													
<i>E. pectinacea</i>	Carolina lovegrass	X	X	X	X													
<i>E. variabilis</i>	'Emo-'loa	E	X	X	X													
<i>Festuca</i> sp.		X	X	X	X													
<i>Heteropogon contortus</i>	Pili	X	X	X	X													
<i>Holcus lanatus</i>	Velvetgrass	I	X															
<i>Hyparrhenia rufa</i>	Thatching grass	X	X	X	X													
<i>Melinis minutiflora</i>	Molasses grass	X	X	X	X													
<i>Oplismenus hirtellus</i>	Basket grass, honohono-kukui	X	X	X	X													
<i>Panicum havaiense</i>	Kaala panic grass	E	X	X	X													
<i>P. maximum</i>	Guinea grass	E	X	X	X													
<i>P. torridum</i>	Kakonakona	X	X	X	X													
<i>Paspalum conjugatum</i>	Hilo grass	E	X	X	X													
<i>P. orbiculare</i>	Rice grass, mau'lu-laiki	X	X	X	X													
<i>Pennisetum clandestinum</i>	Kikuygrass	X	X	X	X													
<i>P. setaceum</i>	Fountain grass	X	X	X	X													

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GRAMINEAE continued																		
<i>P. setosum</i>	Feathery pennisetum	X	X	X							X	X	X	X	X	X	X	X
<i>Rhynchelytrum repens</i>	Natal reedtop	X	X								X	X	X					
<i>Sacciolepis indica</i>	Clenwoodgrass	X	X	X							X	X	X	X	X	X	X	X
<i>Setaria geniculata</i>	Perennial foxtail	X	X								X	X	X	X	X	X	X	X
<i>S. palmaefolia</i>	Palm grass	X	X								X	X	X	X	X	X	X	X
<i>S. verticillata</i>	Bristly foxtail	X	X								X	X	X	X	X	X	X	X
<i>Sporobolus africanus</i>	African dropseed	X	X								X	X	X	X	X	X	X	X
<i>S. virginicus</i>	Beach dropseed	I	X								X	X	X	X	X	X	X	X
<i>Tricachne insularis</i>	Sourgrass	X	X								X	X	X	X	X	X	X	X
LILIACEAE																		
<i>Astelia veratroides</i> var. <i>veratroides</i> Pa'inuu		E*	X	X	X													
<i>Cordyline terminalis</i>	Ti, ki	P	X	X	X						X	X	X	X	X	X	X	X
<i>Dianella sandwicensis</i>	Uki, 'uki-'uki	E	X	X	X						X	X	X	X	X	X	X	X
<i>Pleomele aurea</i>		E*	X								X	X	X	X	X	X	X	X
<i>P. forbesii</i>	Halapepe	E*	X								X	X	X	X	X	X	X	X
<i>Smilax sandwicensis</i>	Hoi-kauhiwi	E	X	X	X						X	X	X	X	X	X	X	X
MUSACEAE																		
<i>Musa x paradisiaca</i>	Banana, iholena	P	X								X							
ORCHIDACEAE																		
<i>Anoetochilus sandwicensis</i>		E		X	X													
<i>Liparis hawaiiensis</i>		E		X	X													
<i>Spathoglottis plicata</i>	'Awapuhi-a-kanaloa	X		X	X						X	X	X	X	X	X	X	X
PALMAE																		
<i>Pritchardia kaalae</i> var. <i>minima</i>	Lo'lulu	E*	X															
PANDANACEAE																		
<i>Freyinetia arborea</i>	Is'ie	E	X	X	X													
ZINGIBERACEAE																		
<i>Zingiber zerumbet</i>	'Awapuhi kuahiwi	P	X															
DICOTYLEDONAE																		
ACANTHACEAE																		
<i>Asystasia gangetica</i>	Asystasia	X									X	X	X	X	X	X	X	X
AIZOACEAE																		
<i>Sesuvium portulacastrum</i>	sea purslane, 'akulikuli	X									X	X	X	X	X	X	X	X

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AMARANTHACEAE																						
<i>Achyranthes indica</i>		X										X									X	
<i>A. splendens</i> var. <i>rotundata</i>		E*											X									
<i>Amaranthus spinosus</i>	Spiny amaranth, pakai-kuku	X										X									X	
<i>Charpentiera obovata</i>	Papala	E		X																	X	
<i>C. ovata</i>	Papala	E																			X	
<i>C. tomentosum</i>		E		X																	X	
<i>Nototrichum humile</i> var. <i>subrhomboidum</i>	Kulu'i	E*		X										X								X
AMARYLLIDACEAE																						
<i>Agave sisalana</i>	Sisal, malina	X												X								
ANACARDIACEAE																						
<i>Mangifera indica</i>	Mango	X																				
<i>Schinus terebinthifolius</i>	Christmas berry	X		X										X							X	X
APOCYNACEAE																						
<i>Alyxia olivaeformis</i>	Maile-lau-li'i	E		X																		X
<i>Ochrosia compta</i>	Holei	E*		X																		X
<i>Pteralyxia macrocarpa</i>	Kaulu	E		X																		X
<i>Rauwolfia degeneri</i>	Hao	E																		X		X
<i>R. sandwicensis</i>	Hao	E		X																X		X
AQUIFOLIACEAE																						
<i>Ilex anomala</i>	Kawa'u	E		X	X	X																X
ARALIACEAE																						
<i>Cheirodendron platyphyllum</i>	Lapalapa	E			X	X																
<i>C. trigynum</i> var. <i>hillebrandii</i>	Olapa	E		X	X	X																X
<i>Reynoldsia sandwicensis</i> var. <i>intercedens</i>	'Ohe makai	E*		X																	X	
<i>Tetraplasandra kaalae</i> var. <i>multiplex</i>		E*		X																		
ARAUCARIACEAE																						
<i>Araucaria heterophylla</i>	Norfolk Island pine	X		X																		
ASCLEPIADACEAE																						
<i>Gomphocarpus physocarpus</i>	Balloon plant	X																				X
BATIDACEAE																						
<i>Batis maritima</i>	Pickleweed, akulikuli-kai	X																				X



# CHECKLIST OF PLANTS

SCIENTIFIC NAME	COMMON NAME	STATUS	DISTRIBUTION									
			UPLAND			COASTAL AREAS				MAKUA VALLEY		
			GRASSLAND	DRY FOREST	WET FOREST	MONTANE BOS	KAENA POINT	WINDWARD TALUS SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEeward SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM
COMPOSITAE												
Ageratum conyzoides	Ageratum	X	X								X	X
Ambrosia artemisiifolia	Ragweed	X							X			
Artemisia hillebrandii		E										
Bidens pilosa	Spanish needle	X	X								X	X
B. waiianensis	Ko'oko'olau	E	X								X	X
Cirsium vulgare	Bull thistle	E	X								X	X
Dubautia laxa var. waiianensis	Na'ena'e-pua-melemele	E*	X								X	X
D. plantaginea var. plantaginea	Na'ena'e	E*	X		X						X	X
D. sherffiana		E*	X		X						X	X
Emilia coccinea		X	X									
E. javanica	Red pua-lele	X	X							X	X	X
E. sonchifolia	Lilac pua-lele	X	X							X	X	X
Erechtites hieracifolia	Fireweed	X								X	X	
E. valerianaefolia		X									X	
Erigeron bonariensis	Hairy horseweed	X	X		X					X		
E. canadensis	Canada fleabane	X	X							X	X	X
E. karvinskianus	Daisy fleabane	X	X		X					X	X	X
Eupatorium adenophorum	Maui pa'makani	X	X		X					X	X	X
E. riparium	Hamakua pa'makani	X	X		X					X	X	X
E. riparium	Hamakua pa'makani	X	X		X					X	X	X
Galinsoga parviflora	Galinsoga	X	X		X					X	X	X
Gnaphalium sp.		X	X							X	X	X
Hypochoeris radicata	Gosmore	X					X				X	X
Lipochaeta integrifolia var. integrifolia	Nehe	E								X		
L. integrifolia var. meqacephala	Nehe	E*								X		
L. lobata var. mastulata		E*	X							X		
L. lobata var. leptophylla		E*	X							X		
L. lobata var. lobata		E*	X							X		
L. remyi	Nehe	E*	X							X		
L. tenuifolia	Slender-leaved nehe	E	X							X		
Montanoa hibiscifolia	Montanoa	X									X	X
Pluchea indica	Indian pluchea	X									X	X
P. odorata	Pluchea	X									X	X
Ralliardia sherffiana		E	X								X	X
Reichardia picroides	Picridium	X									X	X
Sonchus oleraceus	Sow thistle	X									X	X
Taraxacum officinale	Dandelion, lau-lele	E*	X							X	X	X
Tetramolopium filiforme		E*	X								X	X
Verbesina encelioides	Golden crown-beard	X									X	X

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			GRASSLAND	DRY FOREST	WET FOREST	MONTANE BOG	KAENA POINT	WINWARD TALUS SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEeward SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM	
COMPOSITAE continued													
<i>Vernonia cinerea</i>	Ironweed	X									X		
<i>Xanthium saccharatum</i>	Kikania	X						X			X		
<i>Youngia japonica</i>	Oriental hawkbeard	X						X			X		
CONVOLVULACEAE													
<i>Bonania menziesii</i>		E*											
<i>Cuscuta sandwicensis</i>	Dodder, kauna'oa	E		X			X		X			X	
<i>Ipomoea brasiliensis</i>	Beach morning glory, pobuehue	I					X		X				
<i>I. cairica</i>	Five-fingered morning glory, koali-ai	I						X	X				
<i>I. congesta</i>	Blue morning glory, koali-lawania	I		X					X		X		
<i>I. obscura</i>		X											
<i>Jacquemontia sandwicensis</i>	Pa'u-o-hii-i'aka	E					X		X				
<i>Merremia aegyptia</i>	Hairy merremia	X											
GRASSULACEAE													
<i>Kalanchoe pinnata</i>	Air plant	X									X		
CRUCIFERAE													
<i>Coronopus didymus</i>	Swine cress	X		X									
<i>Lepidium virginicum</i>	Wild pepper grass	X							X		X		
<i>Nasturtium microphyllum</i>	Watercress, leko	X				X							
CUCURBITACEAE													
<i>Momordica balsamina</i>	Balsam apple	X	X								X		
<i>Sicyos microcarpus</i>		E									X		
CYPERACEAE													
<i>Carex meyeri</i>		E		X									
<i>C. wahuensis</i>		E		X									
<i>Cladium leptostachyum</i>	Native sawgrass, 'uki	E		X		X							
EENACEAE													
<i>Diospyros ferrea</i> var. <i>sandwicensis</i>	Lama	E		X							X	X	
<i>D. hillebrandii</i>	Lama	E		X							X	X	
EPACRIDACEAE													
<i>Styphelia tameiameia</i>	Pukiawe	I		X		X					X		

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<b>ERICACEAE</b>																					
<i>Vaccinium calycinum</i> f. <i>megenianum</i>	'Ohe'o-kau-la'au	E		X	X	X															
<i>V. dentatum</i>		E		X	X	X															
<b>EUPHORBIACEAE</b>																					
<i>Aleurites moluccana</i>	Kukui	P																			
<i>Antidesma platyphyllum</i>	Hame	E																			
<i>A. pulvinatum</i>	Hame, ha'a	E																			
<i>Claoxylon sandwicense</i>	Po'ola	E																			
<i>Drypetes phyllanthoides</i>	Mehamehame	E*																			
<i>Euphorbia celastroides</i> var. <i>kaenana</i>	'Akoko	F*																			
<i>E. degeneri</i>	'Akoko	F																			
<i>E. glomerifera</i>	Graceful spurge	F																			
<i>E. hillebrandii</i>		F																			
<i>E. hirta</i>	Garden spurge	E																			
<i>E. multifloris</i>	'Akoko	X																			
<i>E. prostrata</i>	Prostrate spurge	F																			
<i>Phyllanthus debilis</i>	Phyllanthus weed	X																			
<i>P. sandwicensis</i>	Pamakani-mahu	X																			
<i>Ricinus communis</i>	Castor bean	X																			
<b>FLACOURTIACEAE</b>																					
<i>Xylosma hawaiiense</i>	Maua	E																			
<b>GENTIANACEAE</b>																					
<i>Centaurium erythraea</i>	Bitterherb	X																			
<i>C. sebaeoides</i>	Hawaiian erythraea, 'awiwi	E																			
<b>GESNERIACEAE</b>																					
<i>Cyrtandra waianaeensis</i>		E																			
<b>GOODENIACEAE</b>																					
<i>Scaevola gaudichaudiana</i>	Naupaka-kuahiwi	F																			
<i>S. mollis</i>	Naupaka	E																			
<i>S. taccada</i>	Naupaka-kahakai	I																			
<b>GUNNERACEAE</b>																					
<i>Gunnera kaalensis</i>		E*																			
<i>G. makahaensis</i>		E*																			



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<b>LABIATAE</b>																				
<i>Phyllostegia glabra</i>	Ulihi	F		X																
<i>P. grandiflora</i>	Kapana	F		X	X															
<i>Plectranthus parviflorus</i>	Spurflower, 'ala'ala-wai-nui	I	X							X										
<i>Salvia coccinea</i>	Scarlet sage	X	X																	
<i>S. occidentalis</i>	West Indian sage	X	X																	
<i>Stenogyne kaalae</i>		E	X																	
<b>LAURACEAE</b>																				
<i>Cassytha filiformis</i>	Kaunaoa'oa	I																		
<i>Persea americana</i>	Avocado	X								X										
<b>LEGUMINOSAE</b>																				
<i>Acacia decurrens</i>	Black wattle	X	X																	
<i>A. farnesiana</i>	Kolu, klu	X								X										
<i>A. koa</i>	Koa	F	X	X																
<i>Albizia lebeck</i>	Siris tree	X																		
<i>Canavalia galeata</i>	'Awikiwiki	E	X																	
<i>Cassia bicapsularis</i>		X	X																	
<i>C. gaudichaudi</i>		I	X																	
<i>C. leschenaultiana</i>	Uhiuhi, kalamona	X	X																	
<i>Crotalaria incana</i>	Partridge pea, lauki	X																		
<i>C. mucronata</i>	Fuzzy rattle-pod	X																		
<i>Desmanthus virgatus</i>	Smooth rattle-pod	X																		
<i>Desmodium uncinatum</i>	Virgate mimosa	X	X																	
<i>Erythrina sandwicensis</i>	Spanish clover	X	X																	
<i>Indigofera suffruticosa</i>	Williwili	F	X																	
<i>Leucaena leucocephala</i>	Indigo, iniko	X	X																	
<i>Medicago sativa</i>	Koa-haole	X	X																	
<i>Mezoneuron kauaiense</i>	Alfalfa	X																		
<i>Phaseolus lathyroides</i>	Uhiuhi	E*	X																	
<i>Prosopis pallida</i>	Cow pea	X																		
<i>Sesbania tomentosa</i> var. <i>tomentosa</i>	Kiawe, algaroba	F*																		
<i>Sophora chrysophylla</i> var. <i>grisea</i>	'Ohai	F*																		
<i>S. chrysophylla</i> var. <i>makuensis</i>		E*	X																	
<i>Strongylodon ruber</i>	Muku'i'iwi	E	X																	
<b>LOBELIACEAE</b>																				
<i>Cyanea grimesiana</i> var. <i>grimesiana</i>	Grimes cyanea	E*	X																	
<i>C. superba</i> var. <i>superba</i>		E*	X																	
<i>Delissea subcordata</i>		E*	X																	
<i>Lobelia nilhauensis</i> var. <i>meridiana</i>	Heart-shaped delissea	E*	X																	

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LOGANIACEAE																		
Buddleia asiatica	Dogtail	X																
Labordia sp.		E							X									
LORANTHACEAE																		
Korthalsella complanata	Hulumoa, Hawaiian mistletoe	E						X										
K. cylindrica		E						X										
K. degeneri		E						X										
LYTHRACEAE																		
Cuphea carthagenensis	Tarweed	X																
Lythrum maritimum	Pukamole	X						X										
MALVACEAE																		
Abutilon incanum																		
A. grandifolium																		
Hairy abutilon																		
Gossypium sandwicense (tomentosum)		I																
Hibiscus arnottianus	Ma'o, native cotton	X																
H. brackenridgii var. mokuieinana	Native white hibiscus	E*																
H. tiliaceus		E																
Hau		E*																
Malvastrum coromandelianum		I																
Sida fallax	False mallow, hauuoi	X																
'Ilima		X																
S. rhombifolia		I																
Cuba jute		X																
S. spinosa	Prickly sida	X																
Thespesia populnea	Milo	X																
MELIACEAE																		
Melia azedarach																		
Pride of India		X																
Toona ciliata	Toon	X																
MENISPERMACEAE																		
Cocculus ferrandianus	Huehue	E																
MORACEAE																		
Streblus sandwicensis	A'ia'i	E																
MYOPORACEAE																		
Myoporum sandwicense																		
MYRICACEAE																		
Myrica faya																		
Firetree		X																

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MYRSINACEAE												
Myrsine emarginata		E	X									X
M. lanaiensis var. oahuensis	Kolea	E	X									X
M. lessertiana	Kolea-lau-nui	E	X	X								X
M. sandwicensis	Kolea-lau-li'i	E	X	X								
MYRTACEAE												
Eucalyptus sp.	Eucalyptus	X	X									
Eugenia cumini	Java plum	X	X					X			X	X
E. jambos	Rose apple	X									X	
E. malaccensis	Mountain apple	P	X									
E. reinwardtiana		I	X									
E. sandwicensis	'Ohi'a-ha	E	X									X
Metrosideros collina subsp. polymorpha	'Ohi'a-lehua	E	X	X		X					X	X
M. rugosa	Lehua-papa	E		X		X						
M. tremuloides	Lehua-'ahihi	E		X	X							X
Psidium cattleianum	Strawberry guava	X	X					X				X
P. cattleianum f. lucidum	Waiawi	X	X					X				X
P. guajava	Guava	X	X					X	X			X
Tristania conferta	Brush box	X									X	
NYCTAGINACEAE												
Boerhavia diffusa	Alena	I										
Mirabilis jalapa	Common four o'clock	X						X			X	
Pisonis brunoniana	Papala-kepau	E	X						X			X
P. sandwicensis	Aulu	E	X									X
P. umbellifera	Papala-kepau	E	X									X
OLEACEAE												
Osmanthus sandwicensis	Olopuha, puha	E	X								X	X
ONAGRACEAE												
Ludwigia octovalvis	Primrose willow, kamole	X							X		X	
OXALIDACEAE												
Oxalis corniculata	Lady's sorrel	X	X						X		X	X
O. martiana	Pink wood sorrel	X	X								X	X
PAPAVERACEAE												
Argemone glauca	Pua-kala	X										X

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<b>PASSIFLORACEAE</b>												
<i>Passiflora edulis</i>	liliko'i	X										
<i>P. edulis Sims f. flavicarpa</i>	Yellow liliko'i	X										
<i>P. foetida</i>	Scarlet-fruited passion flower	X	X									
<i>P. suberosa</i>	Huehue-haole	X										
<b>PIPERACEAE</b>												
<i>Peperomia leptostachya</i>	'Ala'ala-wai-nui	I										
<i>P. tetraphylla</i>	'Ala'ala-wai-nui	I	X									
<i>Peperomia sp.</i>	'Ala'ala-wai-nui	E	X	X								
<b>PITOSPORAEEAE</b>												
<i>Pittosporum cauliflorum</i>	Hoawa	E										
<i>P. glabrum</i>	Hoawa	E	X									
<b>PLANTAGINACEAE</b>												
<i>Plantago lanceolata</i>	Narrow-leaved plantain	X										
<i>P. major</i>	Common plantain, lau-kahi	X			X							
<b>PLUMBAGINACEAE</b>												
<i>Plumbago zeylanica</i>	'Ilie'e	I										
<b>POLYGONACEAE</b>												
<i>Rumex albescens</i>	Hu'ahu'a-ko	E										
<b>PORTULACACEAE</b>												
<i>Portulaca cyanosperma</i>	'Ihi	E										
<i>P. oleracea</i>	Common purslane	X										
<b>PRIMULACEAE</b>												
<i>Anagallis arvensis</i>	Scarlet pimpernel	X										
<i>Lysimachia hillebrandii</i>	Pua-hekili	E*	X									
<b>PROTEACEAE</b>												
<i>Grevillea robusta</i>	Silk oak, silver oak	X										
<b>RHAMNACEAE</b>												
<i>Alphitonia ponderosa</i>	Kauwila	F*										
<i>Colubrina oppositifolia</i>	Kauila	E*	X									

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ROSACEAE																			
<i>Osteomeles anthyllifolia</i>	'Uiei	E	X																
<i>Rubus penetrans</i>	Prickly Florida blackberry	X		X			X												
<i>R. rosaefolius</i>	Thimble berry	X																	
RUBIACEAE																			
<i>Bobea elatior</i>	'Ahakea	E	X																
<i>B. hookeri</i>		E	X																
<i>Canthium odoratum</i>	Alabe'e	E	X							X									
<i>Coffea arabica</i>	Arabian coffee	X																	
<i>Coprosma longifolia</i>	Pilo	E		X															
<i>C. ochracea</i> var. <i>kaalae</i>		E*		X															
<i>Gouardia terminalis</i>	Manono	E		X															
<i>Hedyotis acuminata</i>		E		X															
<i>H. parvula</i> f. <i>sessilis</i>		E		X															
<i>H. schlectendahlana</i>		E		X															
<i>Morinda sandwicensis</i>	Noni-kuahiwi	E*		X															
<i>Nerita granadensis</i> var. <i>insularis</i>	Makole	E		X															
<i>Psychotria hathewayi</i>	Kopiko	E		X															
RUTACEAE																			
<i>Citrus limonia</i>	Lemon	X																	
<i>C. sinensis</i>	Common orange	X																	
<i>Pelea cinerea</i> var. <i>cinerea</i>	Manana	E*		X															
<i>P. cinereops</i>	Alani	E*		X															
<i>P. clusiaefolia</i>	Alani	E		X															
<i>P. oahuensis</i>	Alani	E		X															
<i>Platydesma cornuta</i> var. <i>decurrrens</i>	Pilokea	E		X															
<i>Zanthoxylum semarticulatum</i> var. <i>sessile</i>		E*		X															
<i>Z. skottsbergii</i>	A'e	E		X															
SANTALACEAE																			
<i>Santalum ellipticum</i> var. <i>littorale</i>	'Ili-ahi-alo'e	E*												X					X
<i>S. freycinetianum</i>	'Ili-ahi	E		X															
SAPINDACEAE																			
<i>Alectryon mahoe</i>	Mahoe	E		X															
<i>Dodonaea eriocarpa</i>	A'ali'i	E		X															
<i>Sapindus oahuensis</i>	Aulu, kaulu	E		X						X									

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SAPOTACEAE																
Planchonella sandwicensis	Aulu, kaulu, ala'a	E														
P. spathulata		E			X									X		
SAXIFRAGACEAE																
Broussaisia arguta	Kanawao	E					X									
SOLANACEAE																
Lycium sandwicense	Ohelo-kai	I							X							
Lycopersicon esculentum	Tomato	X									X					
L. pimpinellifolium	Curraht tomato	X										X				
Nothocestrum longifolium	'Aiea	X										X				
Physalis peruviana	Poha	E					X						X			
Solanum nigrum	Popolo, black nightshade	I?							X	X			X			
STERCULIACEAE																
Waltheria americana	Hi'aloa	I			X					X	X		X			
THYMELIACEAE																
Wikstroemia oahuensis	'Akia	E						X								
TILIACEAE																
Elaeocarpus bifidus	Kalia	E						X	X							
Triumfetta semitriloba	Burbush	X						X					X			
UMBELLIFERAE																
Apium tenuifolium	Fir-leaved celery	X						X								
Centella asiatica	Asiatic pennywort	X						X	X				X			
URTICACEAE																
Boehmeria grandis	Akoka	E														
Neraudia melastomaeifolia var. melastomaeifolia	Ma'oloa	E*						X					X			
Pilea peploides	Mamaki	I						X					X			
Pipturus albidus		E						X					X			
P. oahuensis		E						X					X			
Urera glabra	Opuhe	E						X					X			
VERBENACEAE																
Lantana camara	Lantana	X						X					X			
Stachytarpheta cavennensis	Vervain	X						X		X			X			

# CHECKLIST OF PLANTS

DISTRIBUTION												
SCIENTIFIC NAME	COMMON NAME	STATUS	WETLAND			COASTAL AREAS				MAKUA VALLEY		
			GRASSLAND	DRY FOREST	WET FOREST	MONTANE BOG	KAENA POINT	WINDWARD TALUS SLOPES AND GULCHES	WINDWARD COASTAL ZONE	LEEWARD SLOPES AND COASTLINE	VALLEY FLOOR	SLOPES AND RIM
VERBENACEAE continued												
<i>S. jamaicensis</i>	Jamaica vervain	X	X	X	X			X			X	X
<i>Verbena litoralis</i>	Weed verbena	X	X	X			X					X
<i>Vitex ovata</i>	Beach vitex	I				X						
VIOLACEAE												
<i>Isodendron longifolium</i>		E*	X									
<i>Viola trachelifolia</i>	Panakani	E	X									X
ZYGOPHYLLACEAE												
<i>Tribulus cistoides</i>	Nohu	I						X				

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## ACKNOWLEDGEMENTS

We gratefully acknowledge the assistance and support received from the public, Federal, State and County agencies who contributed their kōkua in the preparation of this study and would especially like to thank Mr. William Y. Thompson, Chairman and Member, Department of Land and Natural Resources, Mr. Joseph M. Souza, Jr., State Parks Administrator, and Mr. William N.

Gorst, Project Planning Coordinator, Division of State Parks, Outdoor Recreation and Historic Sites. Also, we are grateful to the staff of the Sea Grant Marine Advisory Program and the residents of both the Leeward and North Shore communities whose insight of the problems was most helpful in preparation of the final plan. To you, and all those who provided their time and knowledge we wish ALOHA.