

A Guide to the Plants of Kure Atoll



Prepared by Lara Reynolds and Julia Parish

List of Plant Species Illustrated (arranged in alphabetical order by plant family)

<u>Family</u>	<u>Species</u>	<u>Common name</u>
Aizoaceae	<i>Sesuvium portulacastrum</i>	‘ākulikuli, sea purslane
Amaranthaceae	<i>Achyranthes atollensis</i>	no common name
Amaranthaceae	<i>Amaranthus spinosus</i>	spiny amaranth
Amaranthaceae	<i>Amaranthus viridis</i>	slender amaranth
Apiaceae	<i>Ciclospermum leptophyllum</i>	fir-leaved celery
Asteraceae	<i>Bidens alba</i> var. <i>radiata</i>	Spanish needle
Asteraceae	<i>Conyza bonariensis</i>	hairy horseweed
Asteraceae	<i>Emilia fosbergii</i>	red pualele
Asteraceae	<i>Flaveria trinervia</i>	flaveria
Asteraceae	<i>Melanthera integrifolia</i>	nehe
Asteraceae	<i>Psuedognaphalium sandwicense</i>	‘ena‘ena
Asteraceae	<i>Sonchus oleraceus</i>	sow thistle
Asteraceae	<i>Verbesina encelioides</i>	golden crown-beard
Boraginaceae	<i>Tournefortia argentea</i>	tree heliotrope
Brassicaceae	<i>Coronopus didymus</i>	lesser swinecress
Brassicaceae	<i>Lepidium bidentum</i> var. <i>o-waihiense</i>	‘anaunau
Brassicaceae	<i>Lepidium virginicum</i>	peppergrass
Brassicaceae	<i>Lobularia maritima</i>	sweet alyssum
Caryophyllaceae	<i>Spergularia marina</i>	lesser sea spurry
Caryophyllaceae	<i>Stellaria media</i>	common chickweed
Casuarinaceae	<i>Casuarina equisetifolia</i>	Ironwood
Chenopodiaceae	<i>Chenopodium murale</i>	goosefoot
Combretaceae	<i>Terminalia catappa</i>	false kamani
Convolvulaceae	<i>Ipomoea indica</i>	koali ‘awa
Convolvulaceae	<i>Ipomoea pes-caprae</i>	pohuehue
Cucurbitaceae	<i>Sicyos maximowiczii</i>	‘anunu
Cyperaceae	<i>Cyperus laevigatus</i>	makaloa
Cyperaceae	<i>Cyperus polystachyos</i>	many-spike flat sedge
Cyperaceae	<i>Cyperus rotundus</i>	nutgrass
Cyperaceae	<i>Fimbristylis cymosa</i>	button sedge
Euphorbiaceae	<i>Euphorbia hirta</i>	garden spurge
Euphorbiaceae	<i>Euphorbia</i> species	
Euphorbiaceae	<i>Euphorbia hypericifolia</i>	graceful spurge
Euphorbiaceae	<i>Euphorbia maculata</i>	spurge
Goodeniaceae	<i>Scaevola taccada</i>	naupaka
Lauraceae	<i>Cassytha filiformis</i>	kauna‘oa pehu
Nyctaginaceae	<i>Boerhavia coccinea</i>	Boerhavia
Nyctaginaceae	<i>Boerhavia repens</i>	‘alena
Onagraceae	<i>Oenothera laciniata</i>	evening primrose
Oxalidaceae	<i>Oxalis corniculata</i>	yellow wood sorrel
Poaceae	<i>Cenchrus agrimonioides</i> var. <i>laysanensis</i>	kamanomano
Poaceae	<i>Cenchrus echinatus</i>	sandbur

<u>Family</u>	<u>Species</u>	<u>Common name</u>
Poaceae	<i>Cynodon dactylon</i>	bermuda grass
Poaceae	<i>Dactyloctenium aegyptium</i>	beach wiregrass
Poaceae	<i>Digitaria ciliaris</i>	Henry's crabgrass
Poaceae	<i>Eleusine indica</i>	goosegrass
Poaceae	<i>Eragrostis amabilis</i>	Japanese lovegrass
Poaceae	<i>Eragrostis paupera</i>	dwarf eragrostis
Poaceae	<i>Eragrostis variabilis</i>	kawelu, emoloa
Poaceae	<i>Lepturus repens</i>	lepturus
Poaceae	<i>Poa annua</i>	bluegrass
Poaceae	<i>Polypogon interruptus</i>	ditch polypogon
Poaceae	<i>Setaria verticillata</i>	bristly foxtail
Poaceae	<i>Sporobolus pyramidatus</i>	dropseed
Polygonaceae	<i>Coccoloba uvifera</i>	sea grape
Portulacaceae	<i>Portulaca lutea</i>	'Thi
Portulacaceae	<i>Portulaca oleracea</i>	purslane
Primulaceae	<i>Anagallis arvensis</i>	scarlet pimpernel
Solanaceae	<i>Solanum americanum</i>	glossy nightshade
Solanaceae	<i>Solanum nelsonii</i>	pōpolo
Zygophyllaceae	<i>Tribulus cistoides</i>	nohu

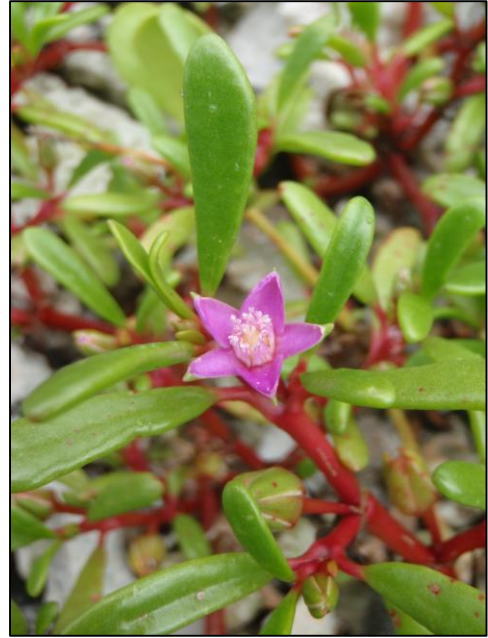
Sesuvium portulacastrum

Aizoaceae

‘Ākulikuli, sea purslane

Native (indigenous)

Introduced from Midway



Achyranthes atollensis

Amaranthaceae

No common name

Native (endemic)

Extinct on Kure



Amaranthus spinosus

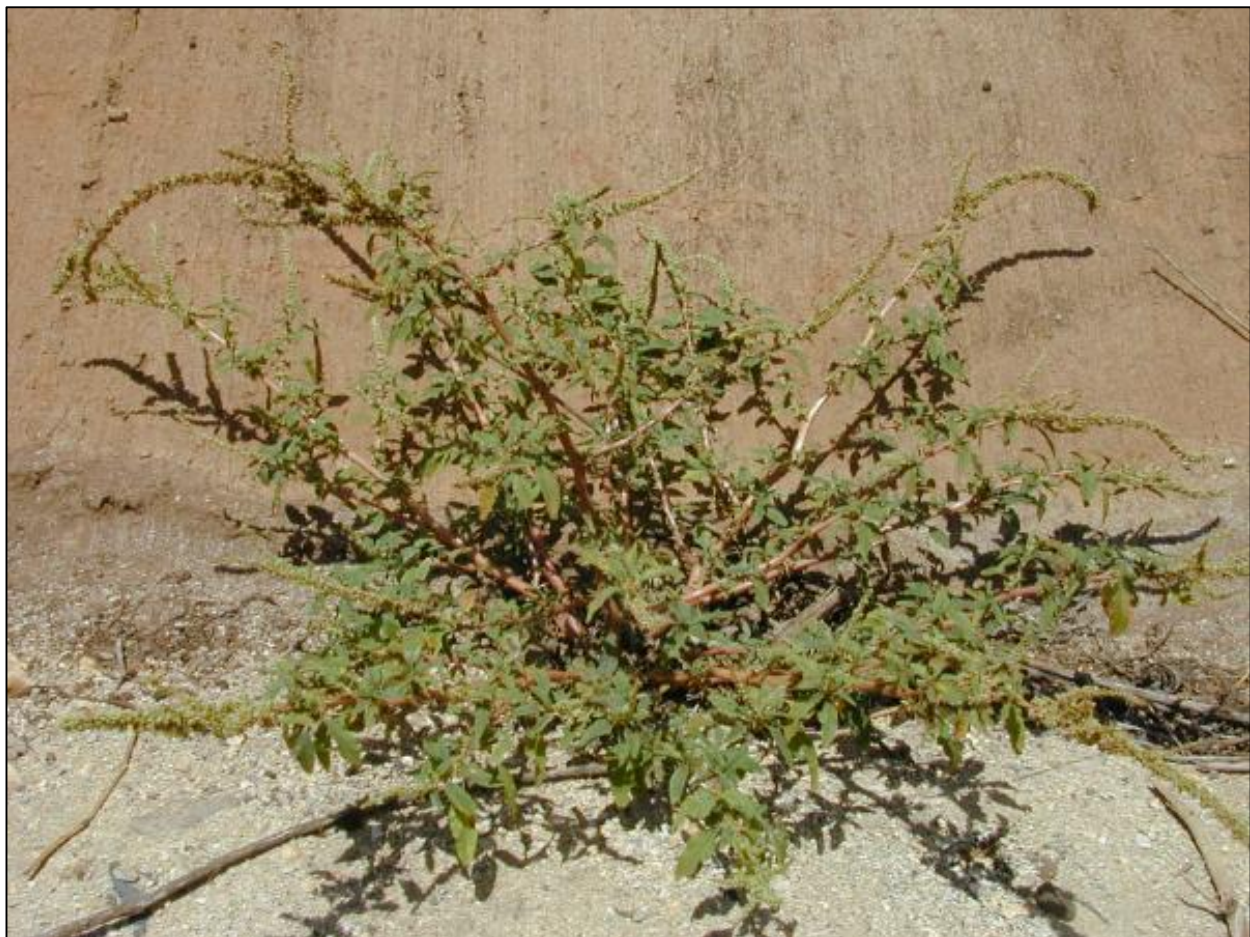
Amaranthaceae

Spiny amaranth, spiny pigweed

Non-native



Differs from *Amaranthus viridis* by having a pair of spines at the base of each leaf where it attaches to the stem



Amaranthus viridis

Amaranthaceae

Slender amaranth

Non-native

Differs from *Amaranthus spinosus* by lacking a pair of spines at the base of each leaf where it attaches to the stem



Ciclospermum leptophyllum
Apiaceae
Fir-leaved celery
Non-native



Flowers white or greenish white



Bidens alba* var. *radiata

Asteraceae

Spanish needle

Non-native

Not present on Kure but high
potential for introduction from
Midway



Conyza bonariensis

Asteraceae

Hairy horseweed

Non-native

Found in camp



Emilia fosbergii

Asteraceae

Red pualele

Non-native



Flaveria trinervia

Asteraceae

Flaveria

Non-native



Melanthera integrifolia

Asteraceae

Nehe

Native (endemic)

Extinct on Kure



***Pseudognaphalium sandwicense* var.
*sandwicense***

Asteraceae

‘Ena‘ena

Native (endemic)



Sonchus oleraceus

Asteraceae

Sow thistle

Non-native



Verbesina encelioides

Asteraceae

Golden crown-beard

Non-native



Tournefortia argentea

Boraginaceae

Tree heliotrope

Non-native



Coronopus didymus

Brassicaceae

Lesser swinecress

Non-native

Monument, Camp, Pu'u Mōlī



Lepidium bidentatum var. *owaihiense*

Brassicaceae

‘Anaunau

Native (endemic)

Presumed extinct on Kure



Lepidium virginicum

Brassicaceae

Peppergrass

Non-native



Lobularia maritima

Brassicaceae

Sweet alyssum

Non-native



Spergularia marina

Caryophyllaceae

Lesser sea spurry

Non-native

Historically found on runway
and in West Landfill



Stellaria media

Caryophyllaceae

Common chickweed

Non-native

Commonly found in Camp and edges of runway



Casuarina equisetifolia

Casuarinaceae

Ironwood

Non-native

Navigation tree, Camp, Runway



Chenopodium murale
Chenopodiaceae
Goosefoot
Non-native



Ipomoea indica
Convolvulaceae
Koali 'awa
Native (indigenous)



Ipomoea pes-caprae
Convolvulaceae
Pohuehue
Native (indigenous)
Rare on Kure, at landfill



Sicyos maximowiczii
Cucurbitaceae
‘Ānunu, puaokama
Native (endemic)



Cyperus laevigatus

Cyperaceae

Makaloa

Native (endemic) to Hawaii

Introduced from Midway



Cyperus polystachyos

Cyperaceae

Manyspike flatsedge

Native (indigenous)

Introduced from Midway



Cyperus rotundus

Cyperaceae

Nutgrass

Non-native



Fimbristylis cymosa

Cyperaceae

Mau‘u ‘aki‘aki, button sedge

Native (indigenous)

Common on runway, present but rare on northeast point and paths to runway and monument



Euphorbia hirta
Euphorbiaceae
Non-native



***Euphorbia* sp. (*E. hypericifolia*?)**

Euphorbiaceae

Non-native



Euphorbia hypericifolia

Euphorbiaceae

Non-native





Euphorbia maculata

Euphorbiaceae

Spurge

Non-native

Distinctive red coloration in the
center of each leaf



Scaevola taccada

Goodeniaceae

Naupaka, naupaka kahakai

Native (indigenous)



Cassytha filiformis
Lauraceae
Kauna'oa pehu
Native (indigenous)
Parasitic vine



Boerhavia coccinea

Nyctaginaceae

Boerhavia

Non-native

Differs from the native *Boerhavia repens* by having flowers that are dark red or magenta and lacking small leaf-like bracts at the base of each cluster of flowers



Boerhavia repens

Nyctaginaceae

‘Alena

Native (indigenous)



Flowers white or pink; small leaf-like bracts at the base of each cluster of flowers

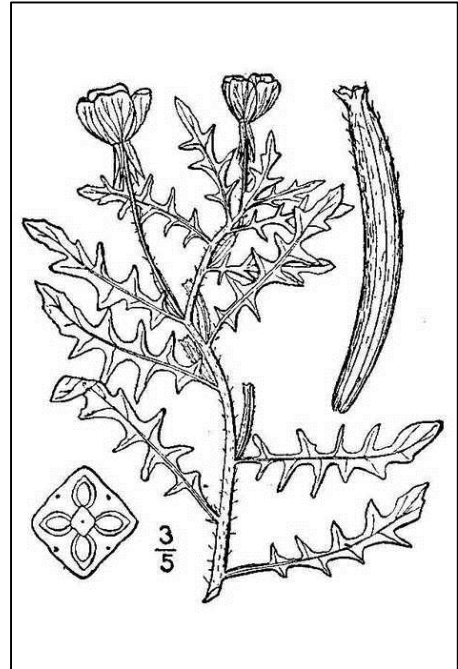


Oenothera laciniata

Onagraceae

Evening primrose

Non-native



Oxalis corniculata
Oxalidaceae
Yellow wood sorrel
Non-native



Flowers small, yellow



Cenchrus agrimonioides* var. *laysanensis

Poaceae

Kamanomano

Native (endemic)

Extinct on Kure



Cenchrus echinatus

Poaceae

Sandbur

Non-native



Cynodon dactylon

Poaceae

Bermuda grass

Non-native



Dactyloctenium aegyptium

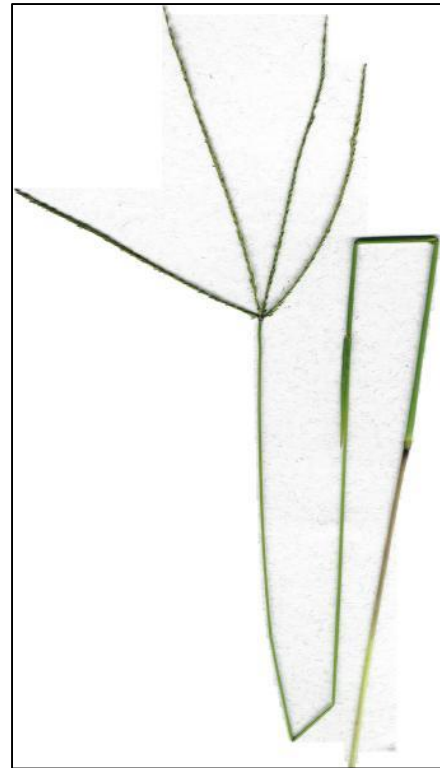
Poaceae

Beach wiregrass

Non-native



Digitaria ciliaris
Poaceae
Henry's crabgrass
Non-native



Eleusine indica

Poaceae

Goosegrass

Non-native



Eragrostis amabilis

Poaceae

Japanese lovegrass

Non-native

Navigation Tree, West
dunes



Eragrostis paupera
Poaceae
Dwarf *Eragrostis*
Native (indigenous)



Eragrostis variabilis

Poaceae

Kāwelu, ‘emoloa

Native (endemic)



Lepturus repens

Poaceae

Lepturus

Native (indigenous)





Poa annua

Poaceae

Bluegrass

Non-native

Observed in winter months



Polypogon interruptus

Poaceae

Ditch polypogon

Non-native

Observed in winter months



Setaria verticillata

Poaceae

Bristly foxtail

Non-native



Sporobolus pyramidatus

Poaceae

Dropseed

Non-native



Coccoloba uvifera

Polygonaceae

Sea grape

Non-native

Eradicated on Kure but there is potential for re-introduction via their ocean-dispersed seeds





Portulaca lutea
Portulacaceae
'Thi
Native





Portulaca oleracea

Portulacaceae

Purslane

Non-native

Looks similar to the native 'Ihi, but does not have a woody stem.



Anagallis arvensis
Primulaceae
Scarlet pimpernel
Non-native



Solanum americanum

Solanaceae

Glossy nightshade

Non-native



Flowers white, fruit glossy black at maturity



Solanum nelsonii

Solanaceae

Pōpolo

Native (endemic)

Extinct on Kure but re-introduced
using stock from Midway



Flowers white, tinged with lavender to pale
purple



Tribulus cistoides
Zygophyllaceae
Nohu
Native (indigenous)

