from "Kipuka at Hoakalei Increment 3 Documents," 6.0 Appendix A: Planting Guidelines (p19-21) See "Kipuka at Hoakalei" p32 for gulf course homes landscaping back yard height restrictions Plant native plants when you can. See Misc. Plants for any shrubs installed by landscaper not on this list. Send corrections to Jill at: mrs.gump@me.com

Small Shrubs 2' - 4'

Akia (native)

Scientific name: Wikstrocmia uva-ursi small shrub: small,hearty, sprawling ground cover. grows to 1-3 feet, spreads laterally. Plant 1 foot apart. Very drought & wind tolerant. The flowers & orange-red fruit are used in haiku leis. Has few pest or problems.



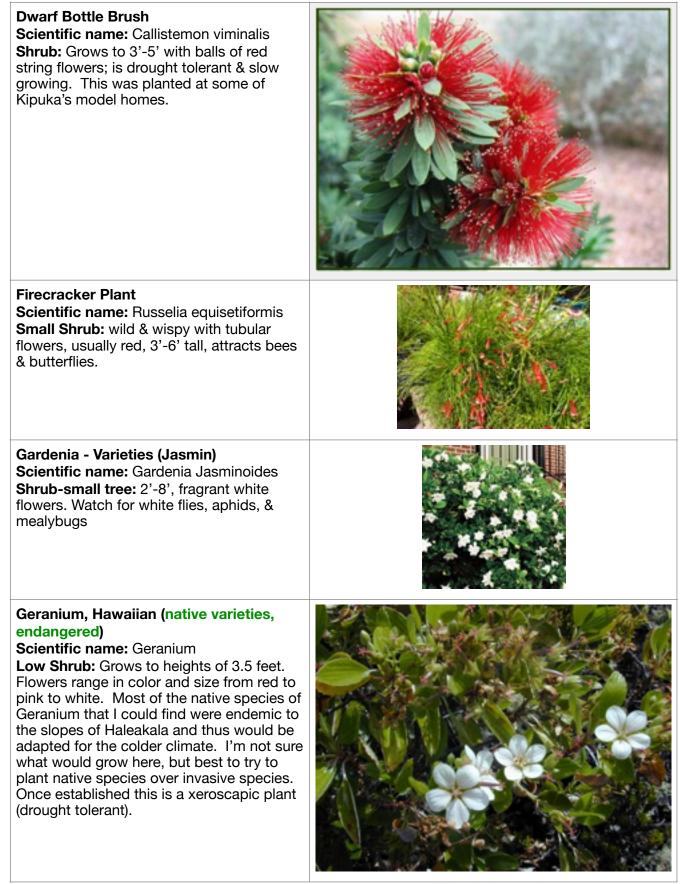
Bougainvillea - Varieties

Scientific name: Nyctaginaceae **shrub:** This is a thorny desert shrub/vine that constantly flowers. Varieties have a range of bright colored flower from red to purple to white. Grows quickly and requires routine pruning in keep under control. Makes an impenetrable hedge.

Dusty Miller - varieties Scientific name: Senecio cineraria small bush/ground cover: Has silvery-gray leaves. Grows to 6"-3' in height and up to 2' wide.







Heleconia - Varieties Scientific name: Heliconia

small-large shrub: rainforest plant. brilliant colorful flower bracts erect or pendant (hanging) with large tropical leaves, 2'-12' depending on variety, needs fertilizer and water to bloom. Prune stalk at base after flower bract dies. Prefer partial shade and keep out of wind.



Hibiscus - varieties (7 varieties are native)

Scientific name: Hibiscus

Large shrub: Dark green leaves with large trumpet-shaped, colorful flowers in reds, yellows, whites, lilac, and orange with a large, long stigma protruding from its center. There are numerous hybrid and cultivars variations. Grows up to 33 feet tall depending on the species. Blooms year round.

FYI: "'Hawaiian hibiscus' are the seven known species of hibiscus ...native to Hawai'i." They range in size from shrubs to tress and flower colors from yellow to pink to white to red to redish-orange. The native all yellow flowering hibiscus (*hibiscus brackenridgei*, or *pua aloalo*) is the **Hawaii** state flower (picture below).



See 3 of the koki'o native species (smaller hibiscus) listed below.

Ilima Papa (native)

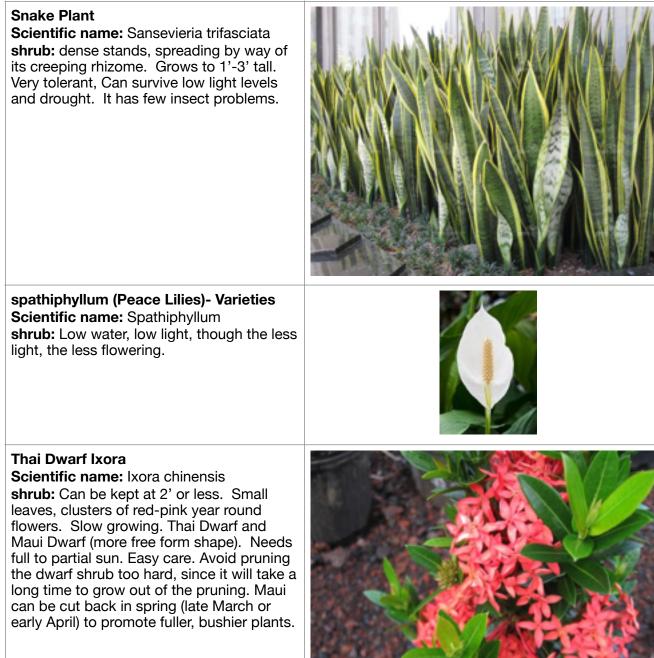
Scientific name: Sida fallax Low shrub-prostrate form (like ground cover) : papa is the smaller variety of ilima, growing 6"-12" tall. Flowers are used in leis.







SHRUBBERY	
Jade Plant Scientific name: Crassula ovata & Portulacaria afra small shrub: evergreen with thick branches and white or pink star-like flowers. Grows up to 5' tall. The Miniature or dwarf Jade plant, Portulacaria afra, (pictured here & planted in Kipuka) grows wide and up to 2' in height.	
Kului (native) Scientific name: Nototrichium sandwicense small shrub: 4'-7' tall. Leaves shimmer and shine silvery-pink & sparkle in the sun, the more sun it receives, the shinier the plant becomes. Used in head leis.	
Natal Plum Scientific name: Carissa macrocarpa shrub: Delicious edible fruit, usually 2'-8' (some varieties up to 20'). Planted in the back yard of one of the Kaupaka model homes.	
Pikake (Hawaiian name for Jasmin) Scientific name: Jasminum sambac shrub: fragrant-flowered shrub, 2-3' wide and up to 6' tall. drought resistant. There are 4 distinct types. The single-flower variety's buds are used to make leis.	



Umbrella Plant (dwarf Queensland umbrella tree)

Scientific name: Schefflera arboricola **Small tree:** Umbrella plant is a name used for many unrelated species, the one I've seen in Kipuka is pictured here and is classified as a "dwarf tree". Requires medium light, is hearty, low maintenance, and is a fast grower.

Beware: The variety planted in Kipuka will not stay bush size for long like other true bushes. If pruned, stems become quite thick and root system extensive. Not a good choice for our small gardens in the long run.

Yellow Alder or Sage Rose Scientific name: Turnera ulmifolia

shrub: It is tenacious and grows just about anywhere. Height 2'-5'.





SHRUBBERY MEDIUM SHRUBS 5' - 8'

Hinahina (also called 'Ahinahina & Hinahina Ewa,) (native, endangered species)

Scientific name: Heliotropium anomalum low shrub: Named for its silvery leaves. There are 3 varieties: 1) high altitude "Silversword" found on Haleakala & Mauna Kea, 2) the mid-level dry forest variety of Makaha valley & Ka'ena point, and 3) the coastal coral plains variety found near Ewa Beach (hence the name Hinahina Ewa, I presume). Likes full sun, dry conditions, wind, & sandy or rocky soil. "If given too much water, shade or both the plant will grow too fast, become leggy, be greener and not look so silvery, plus the rosette of leaves will not be tight...". This coastal variety is used in lei making.



Bird of Paradise

Scientific name: Strelitzia reginae **shrub:** slow growing, trunkless, clump forming pattern of growth. A mature clump stands 4 –5 feet high and spans 3–5 feet in width. For best growth and flowering, apply a slow-release, complete fertilizer at a rate of 1 lb every three months to a full-grown clump.



Century Plant

Scientific name: Agavaceae

Large shrub: There are many varieties (silvergreen & variegated) of this succulent plant which grows a towering 20' flower stalk out of the center of a clump of pointed, spike edged leaves and takes many decades (thought to have taken 100 years hence the nick name) to bloom. Agava americana, shown here, is one of the most common varieties. It only blooms once, then dies.



Croton - Varieties

Scientific name: Codiaeum variegatum **shrub:** Though there are many varieties, they are distinguished by their vivid tri-colored leaves. Grows to 6' high & 3' wide. Plant in direct sunlight for more vivid color. Generally pest free.





Scientific name: eranthemum pulchellum & nigrum

Dragon Tree, Madagascar (called Money Tree in Hawaii, though many other plants also

Scientific name: Dracaena Marginata Large Shrub form: This species grows to 8'-10', when planted in ground, but can trim to desired size. Indirect sun is best. Make sure you don't get one of the massive species. Slow growing, green, maroon (planted in Kipuka yards) or rainbow colored leaves with a small flower. Very drought

have that common name)

tolerant. Easy care.

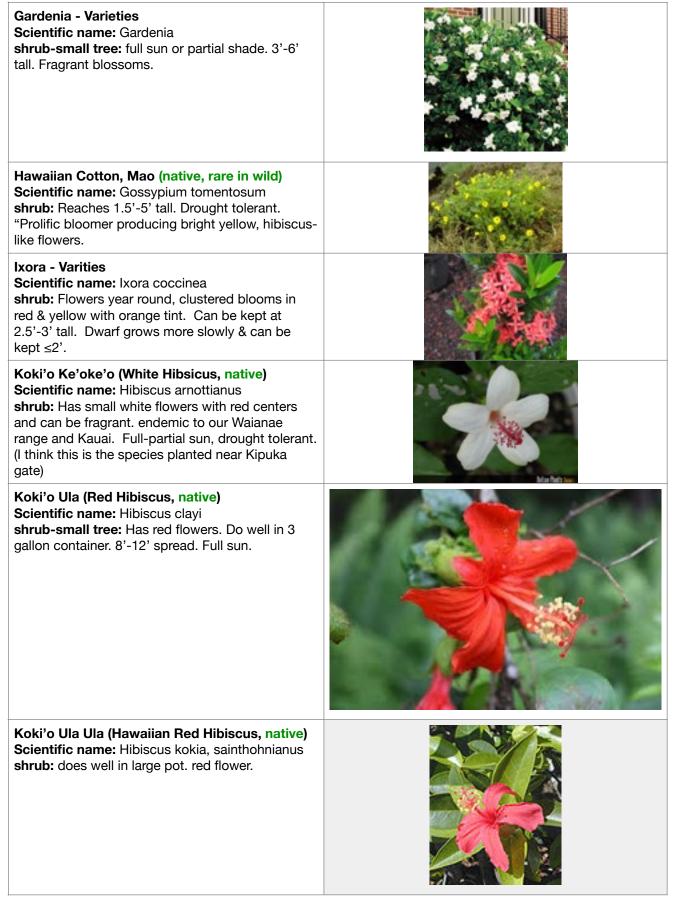
Shrub: Green or purple leaf shrub with bright blue or white flowers. Needs trimming to keep contained. Grows to 2'-5'. Full sun or part shade.

Eranthemum nigrum (purple leaves) was not planted in Kipuka, rather the similar looking Pseuderanthemum was planted.





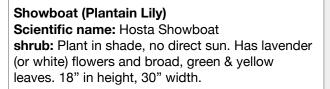




Ko'oloa 'ula (native, endangered)

Scientific name: Abutilon menziesii

shrub: Sometimes called "red 'ilima" even though it is not ilima. Grows to 6'-10'. "The single flowers are maroon to pink with a yellow center and yellow staminal column; they hang down like bells from the leaf axils."



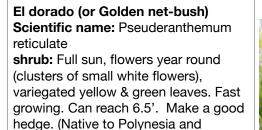






Shrimp Plant Scientific name: Justicia lutea, Justicia brandegeeana, Pachystachys lutea shrub: 3' height. Arching 4" bracts that range in color from reddish-brown to coppery pink to golden yellow out of which small white flowers emerge. Colors are brighter if the plant gets lots of direct sun. Pachystachys lutea has upright bright yellow bracts and is also known as the "golden shrimp plant" or the "lollipop plant" (see below).	tide to House plants.com
Spider Lily Scientific name: Hymenocallis shrub: Flowers can be white, yellow, or red. Thrives in a range of soil types and light conditions.	
Spider Plant Scientific name: Chlorophytum comosum shrub: Grows to 2' with flower stalk to 2.5'. Easy to grow.	
Ti - Varieties Scientific name: Cordyline fruticosa shrub: most common and hearty are the green ti. Ti also comes in red, pink, purple, orange, brown, variegated, & multi-colored. It is considered good luck to plant ti near your house (often seen at entrances). Though it is not native to Hawaii, it was brought by the early Polynesian settlers and planted along side streams. It prefers shade. Prune brown leaves by pulling down on bottom-most leaf. Cut stalk with shears to reduce height or "legginess" (this will result in branching). Can grow up to 10'. Requires little to no maintenance.	
Xanadu Scientific name: Philodendron xanadu shrub: Grows to about 3' tall and 5' diameter. Large green leaves become more divided as ages. Prefer shade. Bug resistant.	

SHRUBBERY LARGE SHRUBS 8' - 12'





Elephant Ear (Taro, Kalo)

Melanesia.)

Scientific name: Colocasias shrub: Included in this genus are the food crops, kalo & taro (from which poi is made), and many new hybrid ornamental varieties that vary in size from giant \geq 3' heart shaped leaves on 6' tall plants to miniature 6" high plants. The hybrids also come in a mix of colors from greens, reds, to purple with clumping and running varieties. (Pictured here are 2 varieties: larger green and smaller red-green hybrid.) It needs lots of water and sun.



Ginger

Scientific name: Zingiber officinale shrub: Indian Head Ginger (Costus woodsonii) is the variety planted in Kipuka. This looks different from the familiar pink-red Tahitian, or white Garland-lily variety of ginger seen throughout the islands (which takes a lot of pruning and care to look good). There are over 1000 varieties (including edible varieties) of ginger which have aromatic leaves and rhizomes, with differing bract (flower-like part) shapes and colors and ranging in height from 4' to 12'.



Heleconia

Scientific name: Heliconia shrub: Varieties range from 1'-18' tall with long slender leaves & brilliant colorful "flowers" (bracts) that are either upright or hanging (pictured here). There are both running and clumping varieties. Prefers partial shade, little wind, and needs lots of fertilizer to bloom. To prune after the "flower" dies, cut at base of stalk.



Kokutan (Crown flower) Scientific name: Calotropis gigantea Large shrub: Can grow to 13'. Known for its clusters of white or lavender 5 point star petal flowers for lei making, loved by butterflies, & said to be a favorite of Queen Liliuokalani. (Its sap can be poisonous.)



Leea (Hawaiian Holly) Scientific name: Leea Coccinea shrub: Prickly copper, red, green leaves with small berries. (Poisonous.)



Lollipop Plant (golden shrimp plant) Scientific name: Pachystachys lutea shrub: Reaches 3'-4' height. Upright, bright yellow 4" long bracts that white flowers emerge from. "It's in the Acanthaceae family, along with the shrimp plant, *Justicia lutea* [listed previously]. The two plants look similar, the biggest differences are that the *Pachystachys* has bigger leaves and its flower spikes are held upright, rather than arching to one side."

Mock Orange

Scientific name: Philadelphus spp. shrub: Fragrant white flowers. Fast growing but a pain to keep trimmed by hand as it is sticky and thorny. Best grown as a thick, tall hedge. Full sunpartial shade; not drought tolerant.

Plumbago (leadwort, Cape plumbago, sky flower)

Scientific name: Ceratostigma Plumbaginoides Plumbago auriculata ground cover-bush: 6-10". The flowers are white, blue, purple, red, or pink, with a tubular corolla with five petal-like lobes. 10-20 species of flowering plants in the family Plumbaginaceae







Snowbush Scientific name: Breynia nivosa **shrub: Characterized by g**reen leaves splashed with white and also pink for the Rosea Picta variety. Keep soil moist, plant in indirect light. Fast growing. 3 ft height.

