

Southeast Trees:

A Multi-Site Tree Planting and Evaluation Project in Southeast Los Angeles County

Part 2. Parks in Lakewood, Cerritos, and Seal Beach

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Introduction

Part 1 of this series provided an introduction, rationale, and background to this multi-site, tree planting and evaluation project in southeast Los Angeles County and adjacent Orange County (Hodel 2020). The majority of Part 1 included an illustrated and annotated list of the more than 125 plantings made at El Dorado East Regional Park in Long Beach beginning in late 2015 and continuing through 2019. Here, in Part 2, I discuss and provide an illustrated and annotated list of tree plantings made in city parks in Lakewood and Cerritos in Los Angeles County and Seal Beach in adjacent Orange County.

At each site I had help of city crews and volunteers planting and sometimes maintaining the trees. We planted trees out of 5-gallon-sized containers. We always used unamended site soil that came out of the hole as the backfill. We carefully inspected root systems before planting and, if necessary, corrected circling or kinked roots.

Occasionally we applied mulch around the trees but we applied no fertilizer. Most trees were not staked for support after planting because they were structurally pruned judiciously and grown with ample space in my nursery, but stakes were inserted in case they were needed in the future and to help keep errant turfgrass mowers and string trimmers away from the tree trunks. I structurally pruned trees as needed (**Figs. 1–2**).

Unlike El Dorado East Regional Park, gophers were not a problem at these sites so gopher basket barriers were unnecessary. Perhaps the most serious problems are weeds and errant turfgrass mowers and string trippers, which occasionally scar or bruise trunks and roots or completely or partially girdle trunks, despite being encouraged not to operate in proximity to the trunk. We attained weed control through occasional mulching, hand-weeding, and use of herbicides.



1-2. *Ficus obliqua* (2017-07-LP21) before and after structural pruning and lifting of canopy in May 2020. Bino Holguin provides scale.

The trees are listed alphabetically within each site and followed on the same line by the latitude and longitude coordinates and an accession number that gives the year and month planted, and a two-letter code for location and a number that corresponds to that tree in a spreadsheet database. For example, *2017-07-LP10* signifies that the tree was planted in 2017, July, at LP (Liberty Park in Cerritos) and is entry 10 in the spreadsheet database for that park. The common name(s) of the tree (in UPPERCASE), if any, mostly taken from the internet, follow(s) on the next line. The source of the tree or propagative material and planting month and year are on the lines below the common name. Cris Falco and Maria Muñoz of West Coast Arborists, Inc. mapped all trees at all sites using GPS.

Growth data by date, trunk diameter (at 30 cm above ground), and overall height is provided in table format. Because many of the trees were less than 4.5 feet (1.4 m) tall (the standard height for measuring trunk diameter) when planted, we measured trunk diameter at 30 cm above the soil so all trees could be uniformly assessed. As the trees grow we have transitioned to the standard trunk diameter at 4.5 feet (1.4 m) (DBH). For some trees, especially palms, a volumetric measure ($H \times L \times W$) rather than an overall height is provided, especially if no trunk

was visible. A performance rating follows the growth table and considers several factors, including growth rate, pruning and training needs, pest and disease activity, and abiotic disorders like cold or heat damage, nutritional status, and perceived moisture effects. The rating is: 1 = dead or nearly so; 2 = poor; 3 = average; 4 = good; 5 = excellent. Completing the treatment is a section titled Notes, a narrative providing a general summary of the tree's history, appearance, performance, nomenclature, and/or miscellaneous information.

Cerritos Liberty Park

In 2017, despite making by that time over 75 plantings at El Dorado East Regional Park in Long Beach, I barely seemed to be making a dent in the inventory of trees sitting on my driveway. I needed another planting site. I had known Bino Holguin, Trees Supervisor, City of Cerritos, for several years, so I asked him if he had a place I could plant trees. He suggested Liberty Park, a north-south aligned, wedged-shaped park, bordered on the widest part at the north by South St., on the East by Studebaker Rd., on the west by the San Gabriel River concrete channel, and narrowing on the south end at Del Amo Blvd. Transmission lines of Southern California Edison and the Los Angeles City Department of Water and facilities like athletic fields and recreation areas restricted planting sites primarily to the south-central portion of the Park although a few plantings were made in a locked amphitheater area in the northern part of the Park. The site is about 11 km from the Pacific Ocean.

The turfgrass-covered site is mostly flat but has a few small, gently mounding, artificial hills a few meters tall, which, after my experiences with winter cold at El Dorado East Regional Park, I utilized for planting the most cold-sensitive species. The site is in Sunset Zone 22, which was based on University of California geographical and climatological studies, and is too far from the coast (Sunset Zone 24) to access the moderating influence of the ocean and yet is not far enough inland where hilly terrain (Sunset Zone 23) would provide better air drainage on cold winter nights. Indeed, for a few nights nearly every winter freezing or near freezing temperatures occur at the site although damage has been slight and not as severe with no tree deaths as at El Dorado East Regional Park just several kilometers down the San Gabriel River.

Because of its proximity to the San Gabriel River, soil at Liberty Park is a deep, good quality, sandy alluvium, making planting a pleasure. So far, water is not an issue. It is reclaimed and with no restrictions on its use. When I inquired about the water situation at the Park prior to planting, Bino told me, perhaps jokingly, that Cerritos residents appreciate and demand a green park, so Liberty Park is irrigated four nights a week, and the rich, deep green turfgrass shows it.

I was elated to find that water would not be a limiting factor, and the trees probably were, too, as shown by their growth response.

We made the only planting of trees at Liberty Park in July, 2017, although I hope to make more at this site or at others in Cerritos because I appreciate the cooperative nature of city personnel and the abundant water at Cerritos parks.

Several trees died within a year of planting, including *Alectryon tomentosus*, *Harpullia pendula*, and *Quercus sartori* in the amphitheater area and *Ficus salicaria* and another *Q. sartori* in the main planting area. The cause of the death of the *Alectryon* and *Harpullia* is unclear; the *Quercus* seemed not to respond well to the reclaimed water; and the *Ficus* likely succumbed to cold.

Ficus craterostoma 33.8514701N, 118.1002325W 2017-07-LP26 **Figs. 3–4.**

BLUNT-LEAVED FOREST FIG

Source: cuttings, Fullerton Arboretum, California State University, Fullerton, CA.

Planted: July 2017.



3–4. *Ficus craterostoma* at planting in 2017 and less than three years later in 2020. Marianne Hodel provides scale.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	4.5	---	1.80
5/2020	10.5	6.0	3.00

Rating: 5.

Notes: This handsome, cutting-grown plant with striking, highly ornamental, gray leaves with truncated tips has been a steady, moderate to fast grower with few problems. It has needed judicious structural pruning to establish and maintain a strong central leader and acceptable structure. "Litter mates" of this tree died of apparent cold at El Dorado East Regional Park in Long Beach (Hodel 2020).



5–6. *Ficus dammaropsis* at planting in 2017 and less than three years later in 2020.

Ficus dammaropsis 33.8512883N, 118.1004219W 2017-07-LP22 **Figs. 5–6.**

HIGHLAND BREADFRUIT

Source: Cutting, Fullerton Arboretum, California State University, Fullerton, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	4.0	---	1.80
5/2020	7.5	4.0	2.40

Rating: 5.

Notes: This spectacular, cutting-grown plant with huge, dark green leaves the size of dinner plates has been a steady, fast grower with few problems. It has needed moderate structural

pruning to establish and maintain a strong central leader and acceptable structure. It sometimes shows slight, winter cold damage. It attained maturity and produced figs in 2019.

Ficus drupacea 33.8507226N, 118.0998164W 2015-12-ED18 **Figs. 7–8.**

BROWN WOOLLY FIG, MYSORE FIG

Source: Cutting, Botanical Garden, University of California, Riverside, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	3.5	---	2.75
5/2020	8.5	6.0	3.40

Rating: 4.

Notes: This cutting-grown plant has been a moderate grower with few problems. It has needed nearly no structural pruning to establish and maintain a strong central leader and acceptable structure.

Ficus macrophylla 33.8508155N, 118.1000062W 2015-12-ED16 **Figs. 9–10.**

MORETON BAY FIG

Source: Cutting, unknown origin.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	4.8	---	1.50
5/2020	11.0	5.0	3.10

Rating: 5.

Notes: This cutting-grown, handsome plant has been a moderate grower with few problems. It has needed nearly no structural pruning to establish and maintain a strong central leader and acceptable structure.

Ficus microcarpa ‘Green Island’ 33.8503050N, 118.0999570W 2017-07-LP11

ROCK FIG

Source: Los Angeles County Arboretum and Botanic Garden, Arcadia, CA incorrectly as *F. buxifolia* (20160221).

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)	H × L × W (m)
5/2018	---	---	0.45	0.45 × 0.60 × 0.60
5/2020	7.5	---	0.90	0.90 × 1.40 × 1.55

Rating: 3.

Notes: This low, spreading, sprawling, even mounding form of the tree species has unusually handsome, round, close-set, nearly sessile, glossy green leaves. It has been a steady but slow grower that defies pruning and training into an upright tree but otherwise has few problems. It attained maturity and produced figs in 2019.



7-8. *Ficus drupacea* at planting in 2017 and less than three later in 2020.



9-10. *Ficus macrophylla* at planting in 2017 and less than three years later in 2020.



11–12. *Ficus obliqua* at planting in 2017 and less than three years later in 2020.



13. Petioles of the *Ficus obliqua* are an attractive pink color.

Ficus obliqua 33.8510324N, 118.0999520W 2017-07-LP20 **Figs. 11–13.**

SMALL-LEAVED FIG

Source: Plant, Tim Hoehn (now of San Diego Zoo), San Diego, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	1.8	---	0.90
5/2020	6.5	2.8	2.25

Rating: 4.

Notes: This donated plant has been a steady, moderate to fast grower with few problems. It has tended to become weeping at a small size and has needed judicious structural pruning to establish and maintain a strong central leader and acceptable structure. Its identity is tentative. I received it with a label that stated it was *Ficus virens*, grown from wild-collected seeds from a plant in Trinity Beach, Queensland, Australia. It has attractive pinkish red petioles and exceptionally glossy leaves although the petioles seem to be losing some of their color as the plant ages. It attained maturity and produced figs in 2019. Two months after planting it was pulled from the ground by an errant gang mower, dragged about 25 m, and its stem nearly severed. Fortunately, by chance, I came upon the plant just minutes after its demise. I tightly wrapped the nearly severed stem with green tape and replanted it, and, much to my surprise, it has thrived.



14–15. Another *Ficus obliqua* at planting in 2017 and less than three years later in 2020.

Ficus obliqua 33.85113224N, 118.1003369W 2017-07-LP21 **Figs. 1–2, 14–15.**

SMALL-LEAVED FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	5.5	---	2.10
5/2020	18.0	10.25	4.25

Rating: 5.

Notes: This handsome, purchased plant with dark glossy green leaves has been a steady, fast grower with few problems. It has needed nearly no structural pruning to establish and maintain a strong central leader and acceptable structure. It attained maturity and produced figs in 2019.

Ficus petiolaris 33.8567234N, 118.1017538W 2017-07-LP6

ROCK FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	2.6	---	1.10
5/2020	5.0	1.8	1.65

Rating: 4.

Notes: This purchased plant in the locked amphitheater area has been a steady although slow grower with few problems. It has needed nearly no structural pruning to establish and maintain a strong central leader and acceptable structure. The traditional red-nerved form, likely from the Mexican mainland, it has grown more slowly than the other plant of this species.

Ficus petiolaris 33.8566154N, 118.1015568W 2017-07-LP7 **Figs. 16–17.**

ROCK FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	1.7	---	1.10
5/2020	8.0	4.0	3.10

Rating: 5.

Notes: This purchased plant in the locked amphitheater area has been a steady, moderate grower with few problems. It has needed nearly no structural pruning to establish and maintain a strong central leader and acceptable structure. This form, likely from southern Baja California and known as *Ficus brandegeei*, has been a more vigorous grower than the other plant of this species.

Ficus rubiginosa 'Variegata' 33.8561294N, 118.1017857W 2017-07-LP3

VARIEGATED RUSTY-LEAF FIG

Source: Cuttings, Fullerton Arboretum, California State University, Fullerton, CA.



16–17. *Ficus petiolaris* (*F. brandegeei* form) at planting in 2017 and less than three years later in 2020.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	1.8	---	1.40
5/2020	5.5	1.0	1.80

Rating: 4.

Notes: This cutting-grown plant in the locked amphitheater area has been a steady although slow grower with few problems. It has needed little structural pruning to establish and maintain a strong central leader and acceptable structure.

***Ficus rubiginosa* 'Variegata'** 33.8507330N, 118.1002505W 2017-07-LP17 **Figs. 18–19.**

VARIEGATED RUSTY-LEAF FIG

Source: Cuttings, Fullerton Arboretum, California State University, Fullerton, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	2.6	---	1.80
5/2020	7.5	4.5	3.00

Rating: 5.



Figs. 18–19. Another *Ficus rubiginosa* 'Variegata', this one with less variegation, at planting in 2017 and less than three years later in 2020.

Notes: This cutting-grown plant has been a steady, moderate grower with few problems. It has needed little structural pruning to establish and maintain a strong central leader and acceptable structure.

Ficus trichopoda 33.8506345N, 118.1000526W 2017-12-ED15 **Fig. 20.**

SWAMP FIG

Source: Plant, Rancho Soledad Nursery, Rancho Santa Fe, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	3.5	---	1.50
5/2020	9.0	4.5	2.45

Rating: 5.

Notes: This extremely handsome plant has been a moderate to fast grower for three years, making a mound-shaped, multi-trunked shrub, which was recently pruned up to make a tree. It suffers only slight cold damage during winters and seems well adapted to the heavy irrigation at the site, which is unsurprising considering its swampy natural habitat. This plant has large, nearly leathery, wide, heart-shaped leaves with prominent white nerves adaxially and striking pinkish nerves abaxially. It attained maturity in 2019 and carries red figs. This species occurs naturally in wet, swampy areas in Africa and tends to produce abundant aerial roots. Indeed, a spectacular specimen at Legoland in Carlsbad, California, heavily festooned with an abundance



20. *Ficus trichopoda* in 2020, less than three years after planting.

of aerial roots, appears much like a miniaturized tropical banyan (*Ficus benghalensis*). Hopefully, this spectacular appearance can be attained with this specimen.

Harpullia pendula 33.8504002N, 118.09999367W 2017-07-LP12 Figs. 21–22.

TULIPWOOD

Source: Seed, Los Angeles County Arboretum and Botanic Garden, Arcadia, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	3.8	---	2.75
5/2020	9.0	8.5	4.25

Rating: 5.

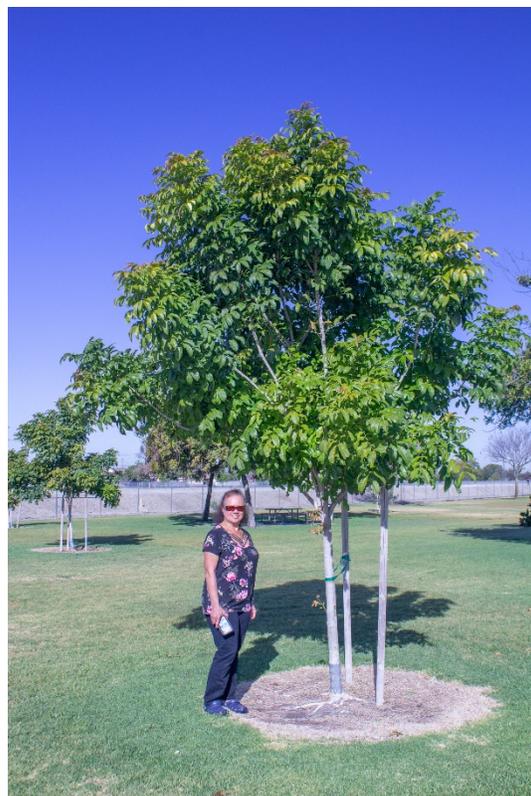
Notes: This seed-grown plant has been a steady, moderate to fast grower with few problems. It has needed little structural pruning to establish and maintain a strong central leader and acceptable structure. It attained maturity and flowered in 2020.

Harpullia pendula 33.8504549N, 118.1000802W 2017-07-LP13

TULIPWOOD

Source: Seed, Los Angeles County Arboretum and Botanic Garden, Arcadia, CA.

Planted: July 2017.



21-22. *Harpullia pendula* at planting in 2017 and less than three years later in 2020.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	2.8	---	2.60
5/2020	8.0	5.0	3.90

Rating: 5.

Notes: This seed-grown plant has been a steady, moderate to fast grower with few problems. It has needed little structural pruning to establish and maintain a strong central leader and acceptable structure. It attained maturity and flowered in 2020.

Harpullia pendula 33.8504920N, 118.1002067W 2017-07-LP14

TULIPWOOD

Source: Seed, Los Angeles County Arboretum and Botanic Garden, Arcadia, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	2.5	---	2.40
5/2020	6.0	3.5	3.00

Rating: 4.

Notes: This seed-grown plant has been a steady, moderate to fast grower with few problems. It has needed little structural pruning to establish and maintain a strong central leader and acceptable structure.



23–24. *Neolitsea sericea* at planting in 2017 and less than three years later in 2020.

Neolitsea sericea 33.85644945N, 118.1018832W 2017-07-LP4

JAPANESE SILVER TREE

Source: seeds, street tree in Lakewood, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	1.5	---	1.20
5/2020	3.0	0.75	1.90

Rating: 4.

Notes: This seed-grown plant in the locked amphitheater area has been a steady although unusually slow grower with few problems. It has needed little structural pruning to establish and maintain a strong central leader and acceptable structure. Its growth has lagged significantly behind that of its “litter mate” at the site.

Neolitsea sericea 33.8503712N, 118.0998069W 2017-07-LP9 **Figs. 23–24.**

JAPANESE SILVER TREE

Source: seeds, street tree in Lakewood, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	2.4	---	1.70
5/2020	6.0	2.0	2.90

Rating: 4.

Notes: This seed-grown plant has been a steady, moderate grower with few problems. It has needed little structural pruning to establish and maintain a strong central leader and acceptable structure.

Olmediella betschleriana 33.8514928N, 118.1004419W 2017-12-ED24 **Figs. 25–26.**

GUATEMALAN HOLLY

Source: Seed, from street trees, 11840 W. Stanwood Dr., Los Angeles, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	3.3	---	2.10
5/2020	9.0	6.5	3.60

Rating: 5.

Notes: This handsome, well shaped, seed-grown plant with attractive glossy green leaves has been a steady, moderate to fast grower with few problems. It has needed nearly no structural pruning to establish and maintain a strong central leader and acceptable structure.

Schrebera alata 33.8562535N, 118.1015474W 2017-07-LP1

WILD JASMIN, WING-LEAFED WOODEN PEAR

Source: Seeds, Mildred E. Mathias Botanical Garden, U. C. L. A., Los Angeles, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	3.0	---	1.50
5/2020	8.0	4.5	3.50

Rating: 5.

Notes: This seed-grown plant in the locked amphitheater area has been a steady, moderate grower with few problems. It has needed judicious structural pruning to establish and maintain a strong central leader and acceptable structure. It attained maturity and flowered in 2019.

Schrebera alata 33.85135633N, 118.1004353W 2017-07-LP23 **Figs. 27–28.**

WILD JASMIN, WING-LEAFED WOODEN PEAR

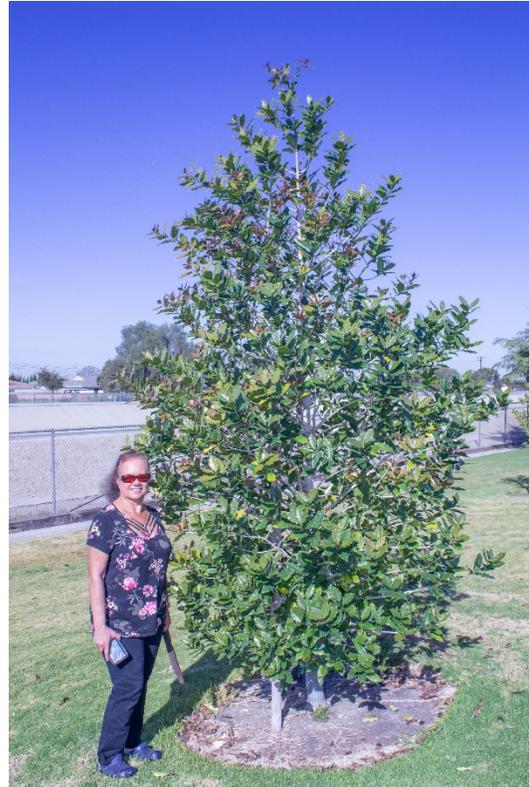
Source: Seeds, Mildred E. Mathias Botanical Garden, U. C. L. A., Los Angeles, CA.

Planted: July 2017.

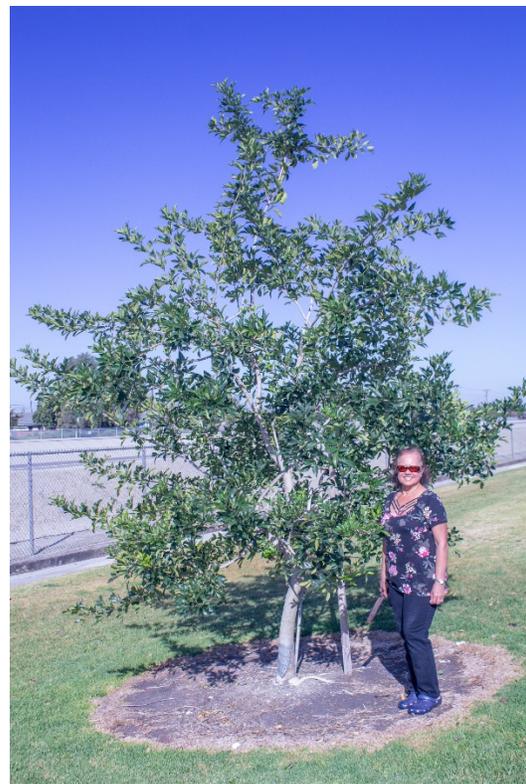
Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	4.2	---	3.35
5/2020	11.5	8.0	3.80

Rating: 5.

Notes: This seed-grown plant has been a steady, moderate grower with few problems. It has needed judicious structural pruning to establish and maintain a strong central leader and acceptable structure. It attained maturity and flowered in 2019.



25-26. *Olmediella betschleriana* at planting in 2017 and less than three years later in 2020.



27-28. *Schrebera alata* at planting in 2017 and three years later in 2020.

Schrebera alata 33.8515994N, 118.1004973W 2017-07-LP25

WILD JASMIN, WING-LEAFED WOODEN PEAR

Source: Seeds, Mildred E. Mathias Botanical Garden, U. C. L. A., Los Angeles, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	2.7	---	2.44
5/2020	6.0	3.0	3.00

Rating: 4.

Notes: This seed-grown plant has been a steady, moderate grower with few problems. It has needed judicious structural pruning to establish and maintain a strong central leader and acceptable structure. It is has grown less vigorously and is slightly sparser that the other two specimens at this site.

Thevetia thevetioides 33.8509357N, 118.0998164W 2017-07-LP19

GIANT THEVETIA

Source: Seed, street tree, Bellflower, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	3.5	---	1.80
5/2020	9.0	5.0	3.80

Rating: 4.

Notes: This seed-grown plant has been a steady, slow to moderate grower with few problems. Some structural pruning to establish and maintain a strong central leader and acceptable structure was necessary. Although it has a somewhat sparse canopy, it attained maturity and flowered in 2019.

Tilapariti tiliaceum 'Tricolor' 33.8566216N, 118.101547W 2017-07-LP5 **Fig. 29.**

TRICOLR SEA HIBISCUS

Source: Kartuz Greenhouses, Vista, CA.

Planted: July 2017.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2018	3.6	---	1.20
5/2020	7.5	0.75	1.65

Rating: 4.

Notes: This purchased plant in the locked amphitheater area has been a steady although slow grower with few problems. It has needed judicious structural pruning to establish and maintain a central leader and acceptable structure yet tends to be shrubby. Considered a tender, cold-sensitive plant, near freezing temperatures each winter have not significantly damaged it. This plant is sometimes known as *Hibiscus tiliaceus* 'Tricolor'.



29. *Tilapia tiliaceum* 'Tricolor' in 2020, less than three years after planting.

Lakewood Arbor Road Park

Looking for space to plant more trees, I asked Grant Pickering, Tree and Hardscape Supervisor, City of Lakewood, in late 2018 if he had room in some city parks for trees. He suggested an unnamed, unofficial park on Arbor Road at Eastbrook Ave. between Bellflower Blvd. and Woodruff Ave. Because it does not have an official name, we simply refer to it as Arbor Road Park. The park is roughly rectangular in shape and bordered on the north by Arbor Road, the east by City of Lakewood Water storage, the south by Southern California Edison substation, and the west by residences. The site is about 2.5 km southwest of Liberty Park in Cerritos, 3.75 km northwest of El Dorado East Regional Park in Long beach, and about 10 km from the Pacific Ocean.

The turfgrass-covered site is flat and in Sunset Zone 22, which was based on University of California geographical and climatological studies, and is too far from the coast (Sunset Zone 24) to access the moderating influence of the ocean and yet is not far enough inland where hilly terrain (Sunset Zone 23) would provide better air drainage on cold winter nights. Indeed, for a

few nights nearly every winter freezing or near freezing temperatures occur at the site although we have not noticed any cold damage.

Arbor Road Park is in the ancient, vast flood plain of the San Gabriel River, about 2.5 km to the east; thus, soil at the site is a deep, good quality, sandy alluvium, making planting a pleasure. Irrigation water is potable and the park is well irrigated to keep the turfgrass a rich, deep green color. Existing trees at the site consisted of three, old, large *Eucalyptus globulus* (blue gum), one 25 m tall with a trunk 1.5 m in diameter and with *Ganoderma* wood decay at its base, two *Ficus microcarpa* (Chinese banyan), and one *Pinus halepensis* (Aleppo pine).

We have made two plantings of trees at Arbor Road Park. The first was in November, 2018 and consisted of six trees. Calamity befell the site shortly thereafter in February, 2019 during a winter storm when strong winds blew down the large *Eucalyptus globulus* with wood decay at its base, obliterating a *Thevetia thevetioides* we had planted in November but miraculously sparing several other of our newly planted trees, the branches of the giant blue gum falling on either side and missing a direct hit on the young trees. It took several weeks finally to have the giant blue gum removed and in the interim the irrigation was shut down at the site and was not turned on until later in the summer, which, after I discovered this discrepancy, necessitated hand-watering of the new trees with 5-gallon buckets for several months. Nonetheless, two trees died from lack of water, *Bischofia javanica* and *Elaeocarpus floribundus*.

Undaunted, I took advantage of the fallen blue gum and dead, newly planted trees to make a second planting consisting of six trees in November, 2019 using the sites of the three trees that had died and adding three others.

Ficus austrocaledonica 33.8430744N, 118.1205607W 2020-5-ARP6

NEW CALEDONIA FIG

Source: Plant, Leon Massoth, Xotx Tropico nursery, Los Angeles, CA.

Planted: May 2020.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2020	2.5	---	1.20

Rating: 3.

Notes: This purchased plant is a replacement for a plant of the same species that was planted as a 1-gallon in November 2019, which itself died, to replace the *Thevetia thevetioides* that the fallen blue gum had obliterated. When I purchased it from Leon it was in poor condition, the top having died back and epicormic growth sprouting from lower along the stem, and it is still struggling and growing slowly. I will select a shoot from among the stem regrowth for the new leader later in 2020.



30–31. **30.** *Ficus benjamina* var. *comosa* in 2020, 18 months after planting. **31.** *Ficus habrophylla* in 2020, seven months after planting.



32. The *Ficus habrophylla* produced figs in 2019.

Ficus benjamina var. comosa 33.8430341N, 118.1204424W 2018-11-ARP3 Fig. 30.

LARGE-FRUITED WEEPING FIG

Source: Cutting, Fullerton Arboretum, California State University, Fullerton, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	3.0	---	2.10
5/2020	5.5	3.5	2.30

Rating: 4.

Notes: This handsome, cutting-grown plant has been a steady, moderate grower with few problems. Judicial structural pruning to establish and maintain a central leader and acceptable structure has been necessary although the plant still tends to have a weeping habit and poor structure. It attained maturity and produced figs in 2020.

Ficus destruens 33.8427572N, 118.1205717W 2019-11-ARP9

RUSTY FIG

Source: Plant, David Dewsnap, Endeavor, WI.

Planted: November 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2020	1.0	---	0.80

Rating: 3.

Notes: This handsome, donated plant has been a steady but unusually slow grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It is planted near the site where the *Elaeocarpus floribundus* was that died from lack of water.

Ficus habrophylla 33.8429511N, 118.1202389W 2019-11-ARP7 Figs. 31–32.

GIANT-LEAF FIG

Source: Plant, David Dewsnap, Endeavor, WI.

Planted: November 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2020	1.5	---	1.15

Rating: 4.

Notes: This handsome, donated plant has been a steady, slow grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It attained maturity in the nursery prior to planting out.

Ficus macrophylla 33.8428893N, 118.1205776W 2018-11-ARP2 Fig. 33.

MORETON BAY FIG

Source: Plant, Tim Hoehn (now of San Diego Zoo), San Diego, CA.

Planted: November 2018.



33–34. **33.** *Ficus macrophylla* in 2020, 18 months after planting. **34.** *Ficus obliqua* with exceedingly lustrous leaves in 2020, 18 months after planting.



35. The *Ficus obliqua* has handsome, glossy leaves.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	2.5	---	1.30
5/2020	5.5	1.8	1.85

Rating: 5.

Notes: This handsome, donated plant has been a steady, moderate grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. This plant is the form of this species from Lord Howe Island.

Ficus obliqua 33.8429716N, 118.1208907W 2018-11-ARP1 **Figs. 34–35.**

SMALL-LEAVED FIG

Source: Sherman Nursery, San Marcos, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	1.5	---	1.80
5/2020	4.5	2.5	2.35

Rating: 5.

Notes: This unusually handsome, purchased plant with exceptionally lustrous leaves has been a steady, moderate grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It attained maturity and produced figs in 2020.

Ficus pleurocarpa 33.8430520N, 118.1208990W 2019-11-ARP12 **Fig. 37.**

BANANA FIG

Source: Plant, David Dewsnap, Endeavor, WI.

Planted: November 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2020	2.2	---	1.20

Rating: 4.

Notes: This handsome, donated plant has been a steady, slow grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Itoa orientalis 33.8427649N, 118.1209010W 2019-11-ARP10 **Fig. 36.**

Source: Seedling, from tree at the Los Angeles County Arboretum and Botanic Garden, Arcadia, CA.

Planted: November 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2020	3.0	1.5	2.00

Rating: 5.

Notes: This handsome, rare, donated plant with large, dramatic, bold leaves has been a steady, unusually fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. I dug this plant as a 45-cm tall



36. *Itoa orientalis* in June, 2020, seven months after planting. This plant was 45 cm tall 10 months earlier in August, 2019.



37–38. 37. *Ficus pleurocarpa* in 2020, seven months after planting. 38. *Mayodendron igneum* in 2020, seven months after planting.

seedling under the mother tree at the Arboretum in September 2019. Within two months it was over one meter tall and ready for planting out. It is a replacement for the *Bischofia javanica* that died from lack of water.

Mayodendron igneum 33.8428790N, 118.1208780W 2019-11-ARP11 Fig. 38.

Source: Grown from seed obtained from Rancho Soledad Nursery, Rancho Santa Fe, CA.

Planted: November 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2020	3.0	1.8	1.70

Rating: 3.

Notes: Although only in the ground for a few months, this plant has been a slow grower but made it through the winter with no serious problems. Sometimes it is found under the name *Radermachera ignea*.

Quercus sartori 33.8427618N, 118.1203376W 2019-11-ARP8

Source: Seed, from tree at the Los Angeles County Arboretum and Botanic Garden, Arcadia, CA., which I originally collected as seed in northwestern Mexico in 2001.

Planted: November 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
5/2020	1.5	---	1.10

Rating: 3.

Notes: This seed-grown plant has been a steady, slow grower with few problems. Judicious structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It is planted near the site where the *Elaeocarpus floribundus* was that died from lack of water. “Litter mates” at Liberty Park in Cerritos died while those at El Dorado East Regional Park are growing slowly but steadily; both sites use reclaimed water.

Seal Beach Zoeter Park and The Greenbelt

Still looking for space to plant more trees, I asked Joe Talarico, City Arborist, City of Seal Beach, in 2018 if he had room in some city parks for trees. He suggested Zoeter Park and The Greenbelt. Zoeter Park, or Zoeter Field as it is sometimes called, is on the northwestern side of 12th Street at Landing Avenue. Site of a former school, Zoeter Park is now a popular dog park, is flat and covered with turfgrass, and had a few, small, existing trees, mostly *Ficus rubiginosa* (rusty-leaf fig) and *Magnolia grandiflora* (southern magnolia). The park is roughly rectangular in shape and bordered on the northeast by a strip mall, the southeast by 12th Street, the southwest by Landing Avenue, and the northwest by a tall fence and a ball field. It is about 600 m from the Pacific Ocean.

The Greenbelt, former right of way of the Pacific Electric Railway, is sometimes called the Electric Avenue Median Park because it runs between Electric Avenue for its entire length. Linear in shape and about 30 m wide, we planted at scattered sites along a 600 m stretch from about 10th Street in the northwest to 17th Street in the southeast. Because it is the former railroad right of way, including the old roadbed, it is a gently rounded mound along its length. Covered with turfgrass, it has many older, established trees; however, significant gaps where trees had died provided excellent planting sites. It is about 500 meters from the Pacific Ocean near 10th Street and about 250 m distant near 17th Street.

Both sites are in Sunset Zone 24, which was based on University of California geographical and climatological studies, and is sufficiently close to the coast to access the moderating influence of the ocean. Winter night temperatures rarely approach freezing but lack of summer heat can be a problem for some trees. Soil at both sites is a sandy clay loam, sometimes compacted, which makes planting trees a chore at times. The Greenbelt has a large amount of gravel and other stony and rocky debris, likely remnants of track ballast, that made planting trees even

more challenging. Both sites are typically well irrigated and the turfgrass maintained in a healthy, green condition.

We made our first planting in November, 2018, consisting of 12 trees at Zoeter Park and four trees in the Greenbelt. We made additional plantings in May, July, and December, 2019, consisting of a total of four trees in Zoeter Park and 30 in The Greenbelt. Two trees died soon after planting, including a *Ficus drupacea* at Zoeter Park, likely from cold, and *Lyonothamnus floribundus* subsp. *aspleniifolius* in the Greenbelt, likely from excessive water.

Zoeter Park

Alectryon tomentosus 33.7421548N, 118.1008191W 2018-11-Z10

HAIRY BIRDS EYE, RED JACKET, WOOLLY RAMBUTAN

Source: Seed, Los Angeles County Arboretum and Botanic Garden, Arcadia, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	1.7	---	2.05
6/2020	2.5	1.2	2.15

Rating: 3.

Notes: This seed-grown plant has been a steady, slow grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Elaeocarpus floribundus 33.7420539N, 118.1010877W 2018-11-Z8 **Fig. 39.**

INDIAN OLIVE

Source: Plant, Ed Green, San Juan Capistrano, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	3.8	---	2.05
6/2020	7.0	4.0	2.90

Rating: 5.

Notes: This purchased plant has been a steady, moderately fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Eugenia pyriformis 33.7422349N, 118.1011572W 2018-11-Z7

UVAIA

Source: Plant, Ed Green, San Juan Capistrano, CA.

Planted: November 2018.



39–40. **39.** *Elaeocarpus floribundus* in 2020, 18 months after planting. Joe Talarico provides scale. **40.** *Ficus abutilifolia* in 2020, 12 months after planting.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	2.2	---	2.50
6/2020	3.5	3.0	2.70

Rating: 4.

Notes: This purchased plant has been a steady, slow grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus abutilifolia 33.7421399N, 118.1011943W 2019-05-Z15 **Fig. 40.**

LARGE-LEAVED ROCK FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	1.8	---	1.35
6/2020	2.7	---	1.40

Rating: 5.

Notes: This handsome, purchased plant has been a steady, slow grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus benghalensis 33.7422777N, 118.1007250W 2019-05-Z13

BANYAN

Source: Plant, Armstrong Garden Center, Long Beach, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	4.0	---	1.70
6/2020	6.0	1.5	1.70

Rating: 4.

Notes: This handsome, purchased plant ('Aubrey') has been a steady, moderately fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus benjamina var. comosa 33.7425421N, 118.1007393W 2018-11-Z17

LARGE-FRUITED WEEPING FIG

Source: Cutting, Fullerton Arboretum, California State University, Fullerton, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	2.2	---	1.80
5/2020	4.0	2.0	1.90

Rating: 3.

Notes: This cutting-grown plant has been a slow grower and has struggled, showing some chlorotic and necrotic leaves, likely because of errant string trimmers that nearly girdled the stem at the base and an excessively wet root zone. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It attained maturity and produced figs in 2020.

Ficus brusii 33.74274899N, 118.1010754W 2019-05-Z16

LOWLAND BREADFRUIT

Source: Plant, George Sparkman, Fallbrook, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	1.5	---	1.55
6/2020	2.8	2.5	1.55

Rating: 4.

Notes: This handsome, purchased plant has been a steady, slow grower and appeared stressed during the winter of 2019/2020. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It attained maturity and produced figs in 2020. This species was previously referred to as the lowland form of *Ficus dammaropsis*.

Ficus cordata 33.7421848N, 118.10087687W 2019-05-Z14 Fig. 41.

NAMAQUA FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	4.0	---	2.35
6/2020	4.5	2.5	2.40

Rating: 5.

Notes: This handsome, purchased plant has been a steady, moderately fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.



41–42. **41.** *Ficus cordata* in 2020, 12 months after planting. **42.** *Ficus macrophylla* in 2020, 18 months after planting.

Ficus maclellandii 33.7424682N, 118.1005881W 2018-11-Z1

ALII FIG, MACLELLAND'S FIG

Source: Cutting, plant at Akua Motor Inn, Anaheim, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	2.5	---	1.80
6/2020	3.5	2.0	1.90

Rating: 3.

Notes: This cutting-grown plant ('Alii') has been a slow grower and has struggled, showing some chlorotic and necrotic leaves, likely because of an excessively wet root zone. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus macrophylla 33.7423400N, 118.1009287W 2018-11-Z11 **Fig. 42.**

MORETON BAY FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	3.5	---	1.75
6/2020	6.5	4.5	2.60

Rating: 5.

Notes: This handsome, purchased plant has been a steady, moderately fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus pleurocarpa 33.7426160N, 118.1008904W 2018-11-Z3

BANANA FIG

Source: Plant, David Dewsnap, Endeavor, WI.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	4.0	---	1.40
6/2020	4.0	1.5	1.70

Rating: 3.

Notes: This donated plant has been a slow grower and has struggled, showing some chlorotic and necrotic leaves, likely because of errant string trimmers that nearly girdled the stem at the base and an excessively wet root zone. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus sycomorus 33.7424281N, 118.1010855W 2018-11-Z5 **Fig. 43.**

SYCAMORE FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	1.5	---	1.30
6/2020	11.0	4.5	2.80

Rating: 5.

Notes: This handsome, purchased plant has been a steady, vigorous, fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It attained maturity and produced figs in 2020.



43. *Ficus sycomorus* in 2020, 18 months after planting. This plant has thrived.



44-45. *Ilex paraguariensis* in 2020, 18 months after planting, and flowers.

Ficus vasta 33.7423072N, 118.1011807W 2018-11-Z6

Source: Plant, Rancho Soledad Nursery, Rancho Santa Fe, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	2.7	---	0.45
6/2020	4.0	---	0.80

Rating: 4.

Notes: This handsome, purchased plant has been a slow, somewhat weak grower but with few problems. I am unsure why it is not performing better so far.

Ilex paraguariensis 33.7421839N, 118.1009860W 2018-11-Z9 **Figs. 44-45.**

YERBE MATE

Source: Plant, Ed Green, San Juan Capistrano, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	1.4	---	1.95
6/2020	5.0	2.45	2.45

Rating: 5.

Notes: This purchased plant has been a steady, moderate grower with few problems. Structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It attained maturity and flowered in 2020.

Thevetia thevetioides 33.7423473N, 118.1006832W 2018-11-Z12

GIANT THEVETIA

Source: Seed, street tree, Bellflower, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	1.4	---	1.10
6/2020	4.0	1.0	1.75

Rating: 4.

Notes: This seed-grown plant has been a steady, slow to moderate grower with few problems. Some structural pruning to establish and maintain a strong central leader and acceptable structure was necessary. It attained maturity and flowered in 2020.

The Greenbelt

Acmena smithii 33.7382920N, 118.0988396W 2019-05-GB23 **Figs. 46-47.**

LILLY PILLY

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	5.5	---	2.40
6/2020	5.5	3.5	2.50

Rating: 3.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower with no serious problems. It attained maturity and flowered in 2020.

Adansonia sp. 33.7402501N, 118.1009822W 2018-11-GB2

BAOBOB TREE

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	3.0	---	1.50
6/2020	3.5	---	1.30

Rating: 2.

Notes: A slow grower, this purchased plant has struggled, especially during the winter. It likely needs more heat.

Alectryon tomentosus 33.7404142N, 118.1012532W 2019-07-GB6

HAIRY BIRDS EYE, RED JACKET, WOOLLY RAMBUTAN

Source: Seed, Los Angeles County Arboretum and Botanic Garden, Arcadia, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	0.7	---	1.10
6/2020	1.0	---	1.20

Rating: 2.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower with decay at the base of the trunk, perhaps from excessive mulch and water.

Arbutus 'Marina' 33.7384548N, 118.0992967W 2019-05-GB21 **Fig. 48.**

MARINA STRAWBERRY TREE, MARINA MADRONE

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	4.3	---	2.50
6/2020	6.0	4.5	3.20

Rating: 5.

Notes: Only in the ground for about a year, this purchased plant has been a moderate grower with no serious problems. It attained maturity and flowered in 2020.

Caesalpinia ferrea 33.7397783N, 118.1007679W 2019-07-GB12

PAU FERRO, LEOPARD TREE, BRAZILIAN IRONWOOD



46-47. *Acmena smithii* in 2020, 12 months after planting, and flowers.



48



49

48-49. *Arbutus marina* (left) and *Cedrela fissilis* (right) in 2020, 12 months after planting.

Source: Seed, Gary Levine garden, Escondido, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	1.8	---	1.45
6/2020	5.5	1.8	1.85

Rating: 2.

Notes: Only in the ground for about a year, this see-grown plant has been a slow grower and appears to have a basal stem rot, perhaps because of too much mulch and/or an excessively wet root zone.

Cedrela fissilis 33.7385920N, 118.0994712W 2019-05-GB20 **Fig. 49.**

BRAZILIAN CEDARWOOD, SPANISH CEDAR, ARGENTINE CEDAR

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	5.5	---	2.40
6/2020	7.5	5.5	3.00

Rating: 5.

Notes: Only in the ground for about a year, this purchased plant has been a moderate grower and made it through the winter with no serious problems.

Cordia boissieri 33.7398425N, 118.1008422W 2019-07-GB11

MEXICAN OLIVE, TEXAS WILD OLIVE

Source: Plant, San Marcos Growers, Santa Barbara, CA

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.5	---	1.40
6/2020	2.5	---	0.85 × 1.20 × 0.85

Rating: 3.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower and made it through the winter with no serious problems but has struggled. It attained maturity and flowered in 2019.

Cussonia paniculata var. sinuata 33.7394608N, 118.1004027W 2019-05-GB16

MOUNTAIN CABBAGE TREE

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.5	---	0.45
6/2020	3.5	---	0.50

Rating: 4.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower with no serious problems.

Cussonia spicata 33.7394864N, 118.1003365W 2019-05-GB15

SPIKED CABBAGE TREE

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	3.0, 2.7	---	0.80
6/2020	4.0, 4.0	---	0.80

Rating: 5.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower with no serious problems.



50. *Dombeya wallichii* in 2020, 12 months after planting.

Dombeya wallichii 33.7381569N, 118.0989528W 2019-05-GB24 **Fig. 50.**

PINK BALL TREE

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	3.0	---	1.50
6/2020	7.5	---	2.10

Rating: 5.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower with no serious problems.

Ficus abutilifolia 33.7417831N, 118.1029704W 2019-12-GB33

LARGE-LEAVED ROCK FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	1.5	---	1.10

Rating: 3.

Notes: Only in the ground for less than a year, this purchased plant has been a slow grower but made it through the winter with no serious problems.

Ficus concinna 33.7416655N, 118.1028118W 2019-12-GB32

Source: Plant, Tim Hoehn-Boydston (now of San Diego Zoo), San Diego, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	1.5	---	1.15

Rating: 3.

Notes: Only in the ground for less than a year, this donated plant has been a slow grower but made it through the winter with no serious problems.

Ficus lutea 33.7396812N, 118.1005276W 2019-07-GB14 **Fig. 51.**

LAGOS RUBBER TREE

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	4.9	---	2.40
6/2020	7.5	6.5	2.90

Rating: 5.

Notes: Only in the ground for about a year, this handsome, purchased plant with huge, attractive leaves has been a fast grower and made it through the winter with no problems.

Ficus macrophylla 33.7400782N, 118.1009505W 2018-11-GB1 **Fig. 52.**

MORETON BAY FIG

Source: Seedling, McRae/Albright Ranch House, Spring Valley, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	2.0	---	0.80
6/2020	5.5	1.5	1.65

Rating: 5.



51-52. 51. *Ficus lutea* in 2020, 12 months after planting. 52. *Ficus macrophylla* in 2020, 18 months after planting.

Notes: This handsome, purchased plant has been a steady, moderately fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus natalensis 33.7386378N, 118.0993225W 2018-11-GB4 Figs. 53-54.

NATAL FIG

Source: Plant, Sherman Nursery, San Marcos, CA.

Planted: November 2018.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	2.4	---	2.00
6/2020	5.5	4.0	2.50

Rating: 4

Notes: This attractive, purchased plant has been a fast grower with few problems. Even with judicious structural pruning it has been difficult to develop a strong central leader. Its leaves are unusually handsome. This plant might be misidentified.

***Ficus rubiginosa* ‘Variegata’** 33.7383732N, 118.0991078W 2018-11-GB3

VARIEGATED RUSTY-LEAF FIG

Source: Cuttings, Fullerton Arboretum, California State University, Fullerton, CA.

Planted: November 2018.



53-54. *Ficus natalensis* in 2020, 18 months after planting, and handsome leaves.



55-56. *Grevillea 'Moonlight'* (left) and *Hibiscus waimeae* (right) in 2020, about 12 months after planting.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
11/2018	1.8	---	1.65
6/2020	4.0	1.5	1.85

Rating: 4.

Notes: This handsome, purchased plant has been a steady, moderately fast grower with few problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus stuhlmannii 33.74001152N, 118.1007726W 2019-07-GB9

LOWVELD FIG

Source: Plant, Tim Hoehn-Boydston (now of San Diego Zoo), San Diego, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.0	---	2.10
6/2020	3.5	2.2	2.70

Rating: 4.

Notes: Only in the ground for about a year, this donated plant has been a slow grower but made it through the winter with no serious problems. Judicious structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Ficus virens 33.7420412N, 118.1028502W 2019-12-GB34

WHITE FIG

Source: Plant, Tim Hoehn-Boydston (now of San Diego Zoo), San Diego, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	1.5	0.5	1.40

Rating: 3.

Notes: Only in the ground for less than a year, this donated plant has been a slow grower but made it through the winter with no serious problems.

Grevillea 'Moonlight' 33.7387348N, 118.0993687W 2019-05-GB18 **Fig. 55.**

MOONLIGHT GREVILLEA

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	4.0	---	1.80
6/2020	5.0	---	1.85

Rating: 4.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower with no serious problems. It attained maturity and bloomed in early 2020.

Hibiscus waimeae 33.7386378N, 118.0993225W 2019-07-GB5 Fig. 56.

KOKI`O KE`OKE`O

Source: Plant, Ho`olaule`a plant sale, Torrance, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.0	---	1.40
6/2020	4.5	1.0	2.00

Rating: 4

Notes: Only in the ground for about a year, this handsome, purchased plant has been a fast grower and made it through the winter with no serious problems. Little structural pruning to establish and maintain a central leader and acceptable structure has been necessary. It attained maturity and flowered in 2019.

Howea forsteriana 33.7410246N, 118.1021010W 2019-12-GB26

KENTIA PALM

Source: Seed, Hodel residence, Lakewood, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	6.5	---	1.25 × 1.60 × 1.80

Rating: 3.

Notes: Only in the ground for less than a year, this seed-grown plant has been a slow grower and made it through the winter with no serious problems.

Howea forsteriana 33.7410245N, 118.1020662W 2019-12-GB27

KENTIA PALM

Source: Seed, Hodel residence, Lakewood, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	6.0	1.8	1.20 × 1.60 × 1.40

Rating: 3.

Notes: Only in the ground for less than a year, this seed-grown plant has been a slow grower and struggled through the winter.

Howea forsteriana 33.7410198N, 118.1020403W 2019-12-GB28

KENTIA PALM

Source: Seed, Hodel residence, Lakewood, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	8.0	---	1.15 × 1.60 × 1.40

Rating: 3.

Notes: Only in the ground for less than a year, this seed-grown plant has been a slow grower and struggled through the winter.

Howea forsteriana 33.7409995N, 118.1020531W 2019-12-GB29

KENTIA PALM

Source: Seed, Hodel residence, Lakewood, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	7.5	---	1.30 × 2.00 × 1.80

Rating: 3.

Notes: Only in the ground for less than a year, this seed-grown plant has been a slow grower and struggled through the winter.

Howea forsteriana 33.7410013N, 118.1020814W 2019-12-GB30

KENTIA PALM

Source: Seed, Hodel residence, Lakewood, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	5.5	---	1.20 × 1.20 × 1.60

Rating: 3.

Notes: Only in the ground for less than a year, this seed-grown plant has been a slow grower and struggled through the winter.

Jubaeopsis caffra 33.7402590N, 118.1010992W 2019-07-GB7

PONDOLAND PALM

Source: Seed, garden of the late Pauleen Sullivan, Ventura, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	6.0	---	1.40
6/2020	8.5	1.8	1.05 × 2.00 × 2.00

Rating: 3.

Notes: Only in the ground for about a year, this seed-grown plant has been a slow grower but made it through the winter with no serious problems.

Olmediella betschleriana 33.7388732N, 118.0994881W 2019-05-GB17

GUATEMALAN HOLLY

Source: Seed, from street trees, 11840 W. Stanwood Dr., Los Angeles, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	1.0	---	2.10
6/2020	2.0	1.2	1.85

Rating: 3.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower and struggled.

Quercus sartori 33.7386962N, 118.0992471W 2019-12-GB19

Source: Seed, from tree at the Los Angeles County Arboretum and Botanic Garden, Arcadia, CA., which I originally collected as seed in northwestern Mexico in 2001.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	1.5	---	1.15

Rating: 3.

Notes: Only in the ground for less than a year, this seed-grown plant has been a steady, slow grower with few problems. Judicious structural pruning to establish and maintain a central leader and acceptable structure has been necessary.

Robinsonella cordata 33.7384546N, 118.0990994W 2019-05-GB22 **Fig. 57.**

HEART-LEAF ROBINSONELLA, BLUE HIBISCUS TREE

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	3.0	---	2.50
6/2020	7.0	4.5	2.90

Rating: 5.

Notes: Only in the ground for about a year, this purchased plant has been a moderate grower with no serious problems.

Schizolobium parahyba 33.7399079N, 118.1008047W 2019-07-GB10

BRAZILIAN FERN TREE

Source: Sherman Nursery, San Marcos, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.5	---	1.40
6/2020	3.2	1.5	1.55

Rating: 3.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower but made it through the winter with no serious problems.

Senna mexicana 33.7416418N, 118.1024814W 2019-12-GB31

Source: Grown from seed collected at the Los Angeles County Arboretum and Botanic Garden, Arcadia, CA.

Planted: December 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
6/2020	1.5	---	1.20

Rating: 3.



57-58. *Robinsonella cordata* (left) and *Tecoma stans* (right) in 2020, about 12 months after planting.



59-60. *Vangueria infausta* in 2020, 12 months after planting, and flowers.

Notes: Only in the ground for less than a year, this seed-grown plant has been a slow grower but made it through the winter with no serious problems. The source tree is labeled *Senna mexicana* var. *liebmannii* but I was unable to find this variety in any of the on-line databases.

Tecoma stans 33.7399388N, 118.1009523W 2019-07-GB8 Fig. 58.

YELLOW ELDER

Source: Cutting, from a nearly seedless plant, 6002 Hayter Ave., Lakewood, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.0	---	1.70
6/2020	4.0	1.2	1.80

Rating: 4.

Notes: Only in the ground for about a year, this cutting-grown plant has been a moderate grower with no serious problems. It attained maturity and flowered in 2020.

Trevesia palmata 33.7381216N, 118.0986854W 2019-05-GB25

PINK BALL TREE

Source: Plant, San Marcos Growers, Santa Barbara, CA.

Planted: May 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.5	---	0.50
6/2020	3.0	---	0.90

Rating: 4.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower with no serious problems.

Vangueria infausta 33.7398695N, 118.1005385W 2019-07-GB13 Figs. 59–60.

AFRICAN MEDLAR

Source: Plant, Ed Green, San Juan Capistrano, CA.

Planted: July 2019.

Growth	Diam. @ 30 cm (cm)	DBH (cm)	Ht. (m)
8/2019	2.3	---	1.10
6/2020	2.7	---	1.20

Rating: 4.

Notes: Only in the ground for about a year, this purchased plant has been a slow grower but made it through the winter with no serious problems. It attained maturity and flowered in 2020.

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