CARBON STOCK AND SEQUESTRATION VALUATION OF FLORA IN

WESTPORTS
MALAYSIA

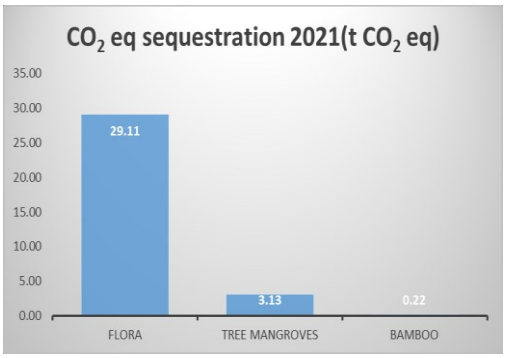
FRIM Inc™
Realizing Unlimited Potential

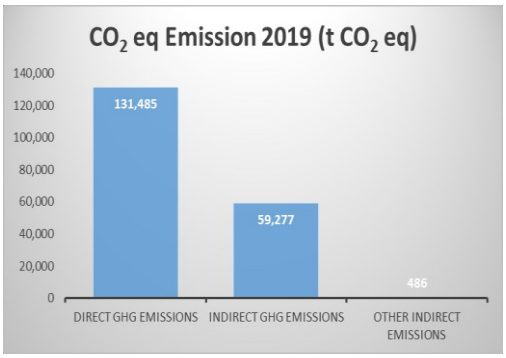
Executive Summary

Westports' potential as a key to reducing maritime carbon emissions was proved in December 2021. Climate change is a proven reality that challenges productively and the entire planet. Combating climate change is a strategic priority, and Westports has the potential to contribute to a more sustainable future. Westports is also cognisant of efficiency gains as well as cost and emissions reductions by adopting new technology, switching to cleaner fuels, and implementing technical and operational measures that improve fuel efficiency.

A port can supply clean, renewable energy to ships in the port, as well as to the city and the surrounding industrial clusters, and support ships can supply clean electricity to ships approaching the port. Westports can also provide the necessary infrastructure to facilitate the exchange of fuel oil to liquefied natural gas for ships, use "green port duties" and payment incentives to accelerate clean shipping utilization, invest in hydrogen, biogas, and carbon capture and absorption infrastructure, and develop infrastructure and circular and bioeconomic activities. The Westports digital platform can help optimize shipping and port operations, reduce overall emissions, and integrate the energy systems of port cities and adjacent regions.

The total amount of CO_2 equivalent sequestered by flora is 595.9951 t CO_2 eq and the total amount of CO_2 equivalent sequestration is 32.4558 t CO_2 eq per year compared to 131,485 t CO_2 eq direct emission by the port in 2019. The relationship between large-diameter trees and overall carbon sequestration suggests that aboveground carbon (AGC) cannot be accumulated without large trees. Recognition of the importance of large-diameter trees in Wesports, such as *Khaya senegalensis*, that recorded the highest amount of CO_2 sequestration per year, which was 8.0365 t CO_2 eq per year, has led to management recommendations to literally keep and conserve this species in Westports.





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WESTPORTS
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Preface

Wesports recognises the importance of climate change and environmental conservation. The climate change strategy and engagement with both employees and contractors help reduce greenhouse gases. Examples include research into renewable energy and a climate change risk assessment. Efficiency gains and reduced costs are realised by adopting new technology, switching to cleaner fuels, and implementing fuel efficiency measures. All buses used to transport workers have been replaced with more fuel-efficient models in recent years. These shuttle buses minimise emissions from transportation and reduce the number of vehicles entering the wharf and container yard areas, which improves safety. Wesports continues to work with the Port Klang Authority and the International Maritime Organisation (IMO) to collectively mitigate the impact of climate change. Senior management personnel use their expertise during discussions to shape public policy and regulations. Wesports is making a long-term commitment to reduce its carbon (C) emission intensity in the coming years. Wesports is working towards managing and measuring its C emissions as part of its Carbon Management Plan. The company uses the internationally-recognised greenhouse gas (GHG) Protocol established by the World Business Council for Sustainable Development (WBCSD) and the World Research Institute (WRI). Our accounting for emissions is based on the GHG Protocol 's classification of direct and indirect emissions.

However, it is widely believed that emissions reduction alone will not be sufficient to curtail the negative impacts on the environment; long-term capture and storage (sequestration) of C are necessary. C sequestration in flora is commonly referred to as terrestrial C sequestration, a process in which photosynthesis removes CO_2 from the atmosphere and stores it in plant biomass. C is transferred to the substrate (growing media or soil) through plant litter, roots, and exudates, some of which is stored. C transfer from plant biomass into soil organic matter is a key sequestration pathway and is a significant research area in agriculture.

Urban trees and forests affect climate change, but they are often disregarded because their ecosystem services are not well understood or quantified. Furthermore, trees act as a sink for carbon dioxide (CO_2) by fixing C during photosynthesis and storing C as biomass. There is a need for the ornamental horticulture industry, as well as other sectors of agriculture, to examine how current production practices can be altered to reduce GHG emissions and sequester C. This will not only improve the environment, but these measures could soon be required by law. The intent of this report is to explore the sequestration possibilities in ornamental horticulture production for the Westports area.

Chapter 1: Introduction


WESTPORTS

1.1 About Westports

Wesports primarily manages container and conventional cargo port operations. It also provides a wide range of port services, including marine services, rental services, and other ancillary services.

Wesports is located in Port Klang and it is one of the three main ports in the Straits of Malacca that handles gateway and transhipment container cargo, all of which are located in close proximity to the main shipping route along the Straits of Malacca. These ports have the advantage of having natural deep-water berths, which allow them to accommodate large vessels.

Wesports serves as the main gateway for container and conventional cargo for the central Peninsular Malaysia hinterland. Our container business has grown exponentially from 20,000 Twenty-foot Equivalent Units ("TEUs") in 1996 to 10.85 million TEUs in 2019. Our market share in the container business in Port Klang represents 80% in 2019.

In 2020, the company recorded a container volume of 10.5 million TEUs, marking us the first and only terminal in Malaysia to have handled more than 10 million TEUs in a calendar year. For the same period, conventional cargo recorded 10.9 million tonnes.

Wesports' success is nothing short of phenomenal as it is the leading mega transhipment hub in Malaysia for the main shipping lines. Besides, the success is also attributable to our strategic location, deep channel, wharf, linear berth, high productivity, dedicated young and vibrant employees, and connectivity to more than 350 ports around the world, amongst others.

1.2 Port Capacity and Strengths

- 32 berths with an aggregate length of 8.8 km.
- 24 berths contiguously connected in a straight line with a total length of 5.8 km for a large maximum usable quay length and flexible vessel berthing.

- The latest ship-to-shore cranes are at a height of 52 metres at the wharves at CT8–CT9.
- 17.5-m water depth accommodates the largest container vessels
- Contains an integrated 405-ha customs-free commercial and industrial zone.

1.3 Port Achievements

- Second busiest port in Southeast Asia by container volume handled.
- Accommodates the world's largest container vessels of 23,000 TEUs.
- Boasts a productivity record of 801 moves per hour with 12 quay cranes deployed on CMA CGM Mermoz in 2019.
- Container throughput of 10.5 million TEUs, with 61% of containers handled for countries within Intra-Asia.
- Conventional segment handled 10.9 million metric tonnes of bulk cargo in 2020.
- Achieved more than RM1.8 billion in operational revenue.

1.4 Wesports Climate Change Management

Climate change challenges productivity and the well-being of the entire planet. Mitigating climate change is now a strategic priority as it could potentially impact Wesports, especially after the renewed concession period ends. The Group's climate change strategy includes engaging with both employees and contractors. Wesports is committed to reducing greenhouse gas emissions through:

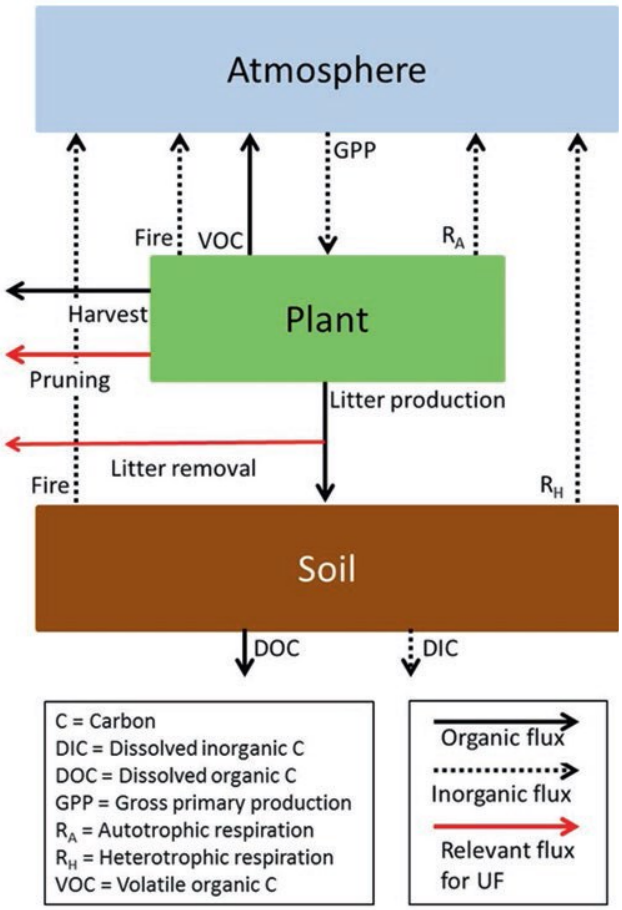
- Innovation and adaptation
- Research into deploying renewable energy
- A complete climate change risk assessment
- Realising efficiency gains as well as cost and emissions reductions by adopting new technology
- Switching to cleaner fuels
- Implementing technical and operational measures that improve fuel efficiency.

Wesports continues to work with the Port Klang Authority and indirectly with the IMO to collectively mitigate the impact of climate change. Senior management personnel use their expertise during discussions to shape public policy and regulations. Wesports is committed to reducing its long-term C emissions intensity and utilising energy-efficient terminal operating equipment as this technology becomes economically viable. Progress reports and proposals on energy management, climate change, and pollution reduction, supported by financial indicators and Return on Investment calculations, are tabled at internal management and board meetings. Datuk Ruben Emir Gnanalingam Bin Abdullah, as the Group Managing Director, oversees the Port's progress in combatting climate change. Wesports is working towards managing and measuring its C emissions as part of its Carbon Management Plan. The internationally-recognised GHG Protocol established by the WBCSD and the WRI has been adopted.

Interest in terrestrial C sequestration has increased in an effort to explore opportunities for climate change mitigation. C sequestration is the process by which atmospheric CO_2 is taken up by trees, grasses, and other flora through photosynthesis and stored as C in biomass (trunks, branches, foliage, and roots) and soils. The sink of C sequestration in forests and wood products helps offset sources of CO_2 in the atmosphere, such as deforestation, forest fires, and fossil fuel emissions.

1.5 Carbon Sequestration

Beyond efforts to reduce the emission of CO_2 in cities, there is also the possibility of capturing carbon (C) from the atmosphere and cumulatively storing it within different components of the urban environment (Figure 1.1). This uptake of CO_2 is referred to as C sequestration, and urban trees in parks and forested areas can indeed sequester and store large amounts of carbon in underground and above-ground woody biomass (Nowak and Crane 2002). When planted near buildings they can reduce carbon emissions indirectly by moderating the amount of energy that is required for space cooling (Akbari and Konopacki 2005).



Carbon sequestration: The absorption of atmospheric carbon dioxide (CO_2) by tree leaves is accomplished through *photosynthesis*, the primary biosynthetic pathway in which CO_2 and water (H_2O) are used to produce carbohydrates and return oxygen (O_2) to the atmosphere. Through the process of *respiration*, these carbohydrates are metabolized to provide the plant with the energy it requires for growth and functioning.

Figure 1.1 Carbon flow in the soil-plant-atmosphere continuum. Carbon is exchanged in both organic and inorganic forms. Red arrows show C fluxes of particular interest in urban forests, where trees are managed more intensively through pruning and litter removal. (The figure is based on Hyvönen et al. 2007)

While trees and forests undoubtedly sequester CO_2 during their growth phases, deadwood that is in the process of decomposition also releases stored carbon. For trees, the composition of dry matter can be classified according to the distribution of biomass in different parts of the tree: approximately 20% of the biomass is in the crown, 60% is in stemwood, and 20% is in the root system. The volume of the tree is estimated by allometric equations from the DBH (Diameter at Breast Height), which corresponds to the diameter of the trunk at a height of about 1.3–1.4 m. For this calculation, a variety of quantitative relationships have been defined according to the particular tree species, but most of these relationships have been established for forest trees and are not necessarily valid for trees growing in urban environments. The main additional factors influencing the total mass of sequestered carbon are: (1) the number of trees and their spatial coverage; (2) the age and health of these trees; (3) their rate of mortality; (4) their interaction with the soil; and (5) the disposal and/or use of these trees (e.g. as lumber for building construction). Compared to semi-natural ecosystems, vegetation in urban areas is often created artificially by the planting and subsequent management of different species. Often intensive, such management includes activities such as the removal of deadwood from the felling of individual trees, pruning, fertilization, irrigation, and removal of dead leaves, which further leads to CO2 emissions (Nowak and Crane 2002).

Basically, C sequestration is a natural method for the removal of C from the atmosphere by storing it in the biosphere (Chavan and Rasal 2010). A C sink absorbs CO from the atmosphere and stores it as C. Trees serve as a sink for CO by fixing C during photosynthesis and storing excess C as biomass. As more photosynthesis occurs, more CO is converted into biomass, reducing C in the atmosphere and sequestering it in plant tissues above and below ground (IPCC 2003, Gorte 2009), resulting in the growth of different parts (Chavan and Rasal 2010). The concept of CO sinks has become more widely known after the Kyoto Protocol emphasized the significance of CO sinks as a form of C offset.

Chapter 2: Methodology

2.1 Study Area and Field Sampling

Field sampling was conducted throughout Westports, including the parking area (Figure 2.1), break bulk/container terminal (Figure 2.2), including the mangrove flora in the small river along the container terminal (Figure 2.3), liquid bulk (Figure 2.4), and along the Westports access road (Figure 2.5). The sampling has been done based on trees before December 17, 2021. The assessment of the impact, especially on C sequestration, only occurs before that.

Figure 2.1 Parking area of tower block business centre

Figure 2.2 Break bulk/container terminal

Figure 2.3 Mangroves area along the river in break bulk

Figure 2.4 Liquid bulk

Figure 2.5 Along the access road

All trees and shrubs with a diameter at breast height (DBH) of 10 cm or above were measured using diameter tape. Each measurement was taken at 1.3 m above the ground, or 0.3 m above the buttresses of the trees. The height of the first branch of the tree/shrub was also recorded using a hypsometer (an instrument for measuring height or elevation). The selection of the size of this tree is important because usually the age of this tree is more than five years, which has a higher life rate.

All bamboos were also measured. The number of culms were recorded and the DBH per clump was measured.

The global positioning system (GPS) location of each tree/shrub/ bamboo were also recorded. Figure 2.6–Figure 2.10 showed the sampling procedures done in the Westports area.

Figure 2.6 DBH measurement at 1.3 m above the ground

Figure 2.7 Height estimation using hypsometer

Figure 2.8 GPS location of each flora recorded

Figure 2.9 Data for each parameter and species name was filled in the data sheet

Figure 2.10 CO_2 concentration (ppm) monitoring at Westports area

2.2 Species Selection

The flora selected are trees, bamboo, and shrubs that are in the Wesports area. The chosen flora consists of five-year-old and above, looking healthy, sturdy, and be counted in DBH of 10 cm and above as well as the height. A total of 2001 flora species were discovered and counted in the Westports area. The list of flora counted is as in Table 2.1.

Table 2.1. List of flora counted in the study area.

No.	List of trees measured
1	*Acacia auriculiformis*
2	*Acacia mangium*
3	*Albizia saman*
4	*Anacardium occidentale*
5	*Artocarpus heterophyllus*
6	*Azadirachta indica*
7	*Avicennia alba*
8	*Bismarckia nobilis*
9	*Bougainvillea* sp.
10	*Bucida buceras*
11	*Bucida buceras 'Tricolor'*
12	*Callistemon* sp.
13	*Calophyllum inophyllum*
14	*Carica papaya*
15	*Cassia fistula*
16	*Casuarina equisetifolia*
17	*Casuarina nobile*
18	*Cinnamomum iners*
19	*Cocos nucifera*
20	*Cordia sebestena*
21	*Cordyline australis*
22	*Couroupita guianensis*
23	*Cycas revoluta*
24	*Delonix regia*
25	*Elaeis guineensis*
26	*Ficus benghalensis*
27	*Ficus microcarpa*
28	*Glochidion* sp.

29	*Hopea odorata*
30	*Hura crepitans*
31	*Hyophorbe lagenicaulis*
32	*Jacaranda obtusifolia*
33	*Juniperus chinensis*
34	*Khaya senegalensis*
35	*Lagerstroemia floribunda*
36	*Lepisanthes* sp.
37	*Livistona chinensis*
38	*Livistona rotundifolia*
39	*Magnolia champaca*
40	*Mangifera indica*
41	*Mangifera odorata*
42	*Moringa oleifera*
43	*Nephelium* sp.
44	*Peltophorum pterocarpum*
45	*Phoenix roebelenii*
46	*Pisonia grandis*
47	*Plumeria obtusa*
48	*Plumeria rubra*
49	*Pritchardia pacifica*
50	*Roystonea regia*
51	*Sesbania grandiflora*
52	*Sonneratia alba*
53	*Sonneratia caseolaris*
54	*Spathodea campanulata*
55	*Syzygium campanulatum*
56	*Syzygium grande*
57	*Tabebuia aurea*
58	*Tabebuia rosea*
59	*Tamarindus indica*
60	*Thyrsostachys siamensis*
61	*Veitchia merrillii*
62	*Wodyetia bifurcata*
63	*Xanthostemon chrysanthus*
64	*Yucca aloifolia*

2.3 Carbon Dioxide Sequestered Flora Analysis

According to the principle of allometry, a tree allometric equation relates biomass, volume, or several tree components to stem DBH, tree height, and/or other dendrometric variables (Henry et al. 2013). The C sequestration rate depends on the flora species' growth characteristics, the conditions for growth where the flora is planted, and the flora's wood density. It would be better if a study on this sequestered C could be held as early as when the trees are aged between 10 and 50 years old. Therefore, this study evaluates each flora's C storage and sequestration to see its potential for a year. Nevertheless, we can roughly estimate the amount of CO_2 sequestered in a given tree, and divide it by the age of the flora to get a yearly sequestration rate.

2.4 Calculation of the Tree's Total Weight

The weight of the tree from above and below the ground is calculated using the standard equations shown below.

Weight above-ground (W_{ag}) = 0.15 x D^2 X H (for tree with D>0.3 m DBH);

or

= 0.25 x D^2 X H (for tree with D<0.3 m DBH)

D = diameter of the tree; H = height of the tree.

The root system weight is approximately 20% of the aboveground weight. Therefore, multiply the aboveground weight by 1.2 to obtain the total weight of the tree.

Weight total of the tree (W) = W_{ag} x 1.2

2.5 Calculation of the Tree's Dry Weight

The average tree has 27.5% of its volume in moisture forms and 72.5% in dry matter. Therefore, to calculate the tree's dry weight, multiply the tree's total weight (W) by 72.5%.

Weight of dry tree (W_d) = W x 0.725

2.6 Calculation of the Mangrove Tree's Dry Weight

Allometric equations developed by Komiyama et al. (2005) for mangrove species in Southeast Asia were used for the estimation of aboveground biomass (W_{top}) and belowground biomass (W_R) as follows:
$W_{top} = 0.251 \times \rho \times D^{2.46}$; $W_R = 0.199 \times \rho^{0.899} \times D^{2.22}$
ρ = wood density of the respective species; D = diameter of the tree.

2.7 Calculation of the Bamboo's Dry Weight

The estimation of aboveground bamboo biomass (*Thyrsostachys siamensis*) is obtained from Chaiyo et al. (2011) as follows:
$W_c = 0.0691512 \times D^2 \times H^{0.7930}$
$W_t = 0.0883689 \times D^2 \times H^{0.7703}$
$W_{b+l} = W_t - W_c$
D is the DBH (cm); H is the height of culm (m); W_c is the mass of culm (kg); W_t is the total mass of culm; branch and leaf (kg); W_{b+l} is the total mass of branch and leaf (kg).

2.8 Calculation of the Carbon in the Tree's Weight

The average C content is generally 50% of the tree's dry weight total volume. Therefore, it will multiply the tree's dry weight by 50% to obtain C in the tree.
Weight of carbon tree (W_c) $= W_d \times 0.5$

2.9 Calculation of the Carbon dioxide Sequestered in the Tree's Weight

Carbon dioxide, or CO_2, has one molecule of C and two molecules of oxygen. The atomic weight of C is 12, and the atomic weight of oxygen is 16. The weight of CO_2 in trees is determined by the ratio of CO_2 to C, which is 44 over 12, which means 3.67. Therefore, to calculate the weight of CO_2 sequestered in the tree, the weight of the C tree (W_c) is multiplied by 3.67. All calculations were entered and analyzed using Microsoft Excel.

Chapter 3: Results and Discussion

3.1 Floristic Composition

The study measured a total of 2001 individual flora species in the Westports area to obtain the C reservoir rate and the C separated from each flora. The 2001 flora was composed of 64 species, including trees, shrubs, palms, bamboos, and trees from mangrove species (Table 3.1). Table 3.1 shows that *Delonix regia* is the most common species, with 315 trees, followed by *Plumeria rubra* with 260 trees. On the other hand, 13 species of *Acacia mangium, Bucida buceras' Tricolor', Carica papaya, Cinnamomum iners, Ficus benghalensis, Ficus microcarpa, Glochidion* sp., *Jacaranda obtusifolia, Juniperus chinensis, Lepisanthes* sp., *Nephelium* sp., *Pisonia grandis*, and *Pritchardia* were the least common species, with only one tree for each species.

Table 3.1. List of species measured in Westports

No.	List of Species	Number of Trees	No.	List of Species	Number of Trees
1	*Acacia auriculiformis*	14	33	*Juniperus chinensis*	1
2	*Acacia mangium*	1	34	*Khaya senegalensis*	84
3	*Albizia saman*	42	35	*Lagerstroemia floribunda*	15
4	*Anacardium occidentale*	2	36	*Lepisanthes* sp.	1
5	*Artocarpus heterophyllus*	2	37	*Livistona chinensis*	2
6	*Avicennia alba*	56	38	*Livistona rotundifolia*	9
7	*Azadirachta indica*	20	39	*Magnolia champaca*	2
8	*Bismarckia nobilis*	63	40	*Mangifera indica*	13
9	*Bougainvillea* sp.	12	41	*Mangifera odorata*	9
10	*Bucida buceras*	13	42	*Moringa oleifera*	3
11	*Bucida buceras 'Tricolor'*	1	43	*Nephelium* sp.	1
12	*Callistemon* sp.	2	44	*Peltophorum pterocarpum*	104
13	*Calophyllum inophyllum*	10	45	*Phoenix roebelenii*	11
14	*Carica papaya*	1	46	*Pisonia grandis*	1
15	*Cassia fistula*	101	47	*Plumeria obtusa*	24

16	*Casuarina equisetifolia*	45	48	*Plumeria rubra*	260
17	*Casuarina nobile*	5	49	*Pritchardia pacifica*	1
18	*Cinnamomum iners*	1	50	*Roystonea regia*	70
19	*Cocos nucifera*	110	51	*Sesbania grandiflora*	2
20	*Cordia sebestena*	4	52	*Sonneratia alba*	4
21	*Cordyline australis*	2	53	*Sonneratia caseolaris*	55
22	*Couroupita guianensis*	2	54	*Spathodea campanulata*	8
23	*Cycas revoluta*	4	55	*Syzygium campanulatum*	34
24	*Delonix regia*	315	56	*Syzygium grande*	17
25	*Elaeis guineensis*	13	57	*Tabebuia aurea*	5
26	*Ficus benghalensis*	1	58	*Tabebuia rosea*	89
27	*Ficus microcarpa*	1	59	*Tamarindus indica*	5
28	*Glochidion* sp.	1	60	*Thyrsostachys siamensis*	168
29	*Hopea odorata*	44	61	*Veitchia merrillii*	54
30	*Hura crepitans*	15	62	*Wodyetia bifurcata*	20
31	*Hyophorbe lagenicaulis*	2	63	*Xanthostemon chrysanthus*	18
32	*Jacaranda obtusifolia*	1	64	*Yucca aloifolia*	5

3.2 Carbon Stock and Sequestration

Table 3.2 shows the estimated weight from dryweight (biomass) and C stock for each tree species. It was found that *Khaya senegalensis* has a high dry weight and C stock of 86.3094 t and 43.1547 t C with an average C stock with a value of 0.5137 t C per tree (t C/tree). This was followed by *Peltophorum pterocarpum* and *Casuarina equisetifolia,* with a total value of C stock at 18.1088 t C and 17.6279 t C, respectively. In contrast, *Sesbania grandiflora, Hyophorbe lagenicaulis, Juniperus chinensis, Jacaranda obtusifolia*, and *Pritchardia pacifica* were among the species with lower total C stock values of 0.0150 t C, 0.0098 t C, 0.0094 t C, 0.0086 t C and 0.0037 t C. The results showed that even if the trees are low in numbers, they can still obtain a high average C stock value. The high volume of a tree is influenced by the size of the DBH and the tree's height (Avery & Burkhart, 2002). The total amount of C in all measured trees was **162.5284 t C**, with a total average amount of C per tree per species was **4.3931 t C**. It showed that the plant's size played a significant role in determining the C stock of trees.

Table 3.2 List of trees with a varies of weight in the Westports area

List of species	Total of dry weight (t)	Total of C weight (t C)	Average of C weight per tree (t C/tree)
Khaya senegalensis	86.3094	43.1547	0.5137
Peltophorum pterocarpum	36.2177	18.1088	0.1741
Casuarina equisetifolia	35.2558	17.6279	0.3917
Delonix regia	33.3270	16.6635	0.0529
Albizia saman	21.0612	10.5306	0.2507
Bismarckia nobilis	14.0161	7.0080	0.1112
Roystonea regia	12.0666	6.0333	0.0862
Cassia fistula	11.4197	5.7098	0.0565
Avicennia alba	9.3262	4.6631	0.0833
Plumeria rubra	7.7938	3.8969	0.0150
Sonneratia caseolaris	7.2939	3.6469	0.0663
Cocos nucifera	6.3009	3.1505	0.0286
Hopea odorata	4.9697	2.4848	0.0565
Syzygium grande	3.8857	1.9429	0.1143
Tabebuia rosea	3.6455	1.8228	0.0205
Acacia auriculiformis	3.4619	1.7309	0.1236
Thyrsostachys siamensis	2.3630	1.1815	0.0070
Elaeis guineensis	2.3598	1.1799	0.0908
Azadirachta indica	2.2986	1.1493	0.0575
Xanthostemon chrysanthus	2.0899	1.0449	0.0581
Calophyllum inophyllum	1.9435	0.9718	0.0972
Lagerstroemia floribunda	1.8124	0.9062	0.0604
Syzygium campanulatum	1.6679	0.8339	0.0245
Hura crepitans	1.6443	0.8221	0.0548
Spathodea campanulata	1.3243	0.6622	0.0828
Mangifera odorata	1.2744	0.6372	0.0708
Wodyetia bifurcata	1.0823	0.5412	0.0271
Veitchia merrillii	1.0731	0.5365	0.0099
Mangifera indica	1.0275	0.5138	0.0395
Tamarindus indica	0.9206	0.4603	0.0921
Acacia mangium	0.6251	0.3126	0.3126
Plumeria obtusa	0.6214	0.3107	0.0129
Cinnamomum iners	0.5833	0.2917	0.2917
Sonneratia alba	0.4348	0.2174	0.0543
Bucida buceras	0.3448	0.1724	0.0133
Ficus benghalensis	0.2969	0.1485	0.1485
Yucca aloifolia	0.2842	0.1421	0.0284

Livistona rotundifolia	0.2613	0.1306	0.0145
Cordyline australis	0.2608	0.1304	0.0652
Tabebuia aurea	0.1705	0.0852	0.0170
Bougainvillea sp.	0.1640	0.0820	0.0068
Casuarina nobile	0.1581	0.0790	0.0158
Anacardium occidentale	0.1546	0.0773	0.0386
Cycas revoluta	0.1390	0.0695	0.0174
Phoenix roebelenii	0.1257	0.0628	0.0057
Bucida buceras 'Tricolor'	0.1244	0.0622	0.0622
Couroupita guianensis	0.1236	0.0618	0.0309
Carica papaya	0.1127	0.0563	0.0563
Callistemon sp.	0.0982	0.0491	0.0246
Moringa oleifera	0.0902	0.0451	0.0150
Pisonia grandis	0.0889	0.0445	0.0445
Nephelium sp.	0.0855	0.0428	0.0428
Cordia sebestena	0.0689	0.0345	0.0086
Livistona chinensis	0.0687	0.0344	0.0172
Artocarpus heterophyllus	0.0592	0.0296	0.0148
Lepisanthes sp.	0.0485	0.0242	0.0242
Ficus microcarpa	0.0480	0.0240	0.0240
Magnolia champaca	0.0459	0.0229	0.0115
Glochidion sp.	0.0440	0.0220	0.0220
Sesbania grandiflora	0.0301	0.0150	0.0075
Hyophorbe lagenicaulis	0.0196	0.0098	0.0049
Juniperus chinensis	0.0188	0.0094	0.0094
Jacaranda obtusifolia	0.0172	0.0086	0.0086
Pritchardia pacifica	0.0074	0.0037	0.0037
TOTAL	**325.0568**	**162.5284**	**4.3931**

Table 3.3 shows the list of trees with sequestered C values in the Westports area. The table shows that *Khaya senegalensis* has the highest amount of CO_2 sequestration per year, which was 8.0365 t CO_2 eq per year, followed by *Casuarina equisetifolia* and *Peltophorum pterocarpum* with a value of 3.4533 t CO_2 eq per year and 3.3748 t CO_2 eq per year, respectively. The total amount of CO_2 equivalent sequestered by flora is **595.9951** t CO_2 eq and the total amount of CO_2 equivalent sequestration is **32.4558** t CO_2 eq per year.

Table 3.3 List of trees with an average value of carbon sequester for Westports area

List of Species	Tree age	Total of CO_2 eq sequester (t CO_2)	Total of CO_2 eq sequester per year (t CO_2/year)
Khaya senegalensis	18–25	158.2483	8.0365
Casuarina equisetifolia	18–20	64.6415	3.4533
Peltophorum pterocarpum	10–26	66.4051	3.3748
Delonix regia	15–26	61.1050	2.5653
Avicennia alba	10	17.0995	1.7100
Bismarckia nobilis	16–25	25.6985	1.5063
Albizia saman	26	38.6157	1.4852
Sonneratia caseolaris	10	13.3734	1.3373
Cassia fistula	15–26	20.9380	1.2784
Roystonea regia	13–26	22.1240	1.0197
Plumeria rubra	10–20	14.2899	0.9375
Acacia auriculiformis	6–20	6.3474	0.7445
Syzygium grande	6–25	7.1245	0.7006
Cocos nucifera	15–26	11.5527	0.5196
Hopea odorata	18–20	9.1119	0.4560
Tabebuia rosea	10–26	6.6841	0.3817
Elaeis guineensis	6–26	4.3267	0.3120
Xanthostemon chrysanthus	15–20	3.8318	0.2274
Thyrsostachys siamensis	20	4.3362	0.2168
Azadirachta indica	18–26	4.2145	0.1846
Lagerstroemia floribunda	18–25	3.3230	0.1713
Hura crepitans	18–26	3.0148	0.1621
Mangifera odorata	10–18	2.3367	0.1524
Calophyllum inophyllum	25	3.5634	0.1425
Mangifera indica	6–26	1.8840	0.1360
Syzygium campanulatum	18–25	3.0580	0.1283
Wodyetia bifurcata	15–25	1.9845	0.1153
Cinnamomum iners	10	1.0696	0.1070
Spathodea campanulata	18–25	2.4282	0.1065
Bucida buceras	6–15	0.6322	0.0965
Veitchia merrillii	15–26	1.9675	0.0922
Tamarindus indica	15–26	1.6879	0.0895

Sonneratia alba	10	0.7972	0.0797
Acacia mangium	20	1.1462	0.0573
Plumeria obtusa	20	1.1394	0.0570
Yucca aloifolia	15–18	0.5210	0.0338
Cordyline australis	18	0.4782	0.0266
Livistona rotundifolia	20	0.4790	0.0240
Ficus benghalensis	26	0.5444	0.0209
Tabebuia aurea	15–26	0.3126	0.0204
Bougainvillea sp.	15–21	0.3007	0.0162
Casuarina nobile	20–25	0.2898	0.0142
Magnolia champaca	6	0.0841	0.0140
Carica papaya	15	0.2066	0.0138
Anacardium occidentale	15–26	0.2834	0.0133
Phoenix roebelenii	18	0.2304	0.0128
Cycas revoluta	19–26	0.2548	0.0110
Pisonia grandis	16	0.1630	0.0102
Moringa oleifera	15–26	0.1654	0.0092
Bucida buceras 'Tricolor'	25	0.2280	0.0091
Couroupita guianensis	26	0.2266	0.0087
Callistemon sp.	21	0.1801	0.0086
Livistona chinensis	16	0.1260	0.0079
Nephelium sp.	20	0.1568	0.0078
Cordia sebestena	19	0.1263	0.0066
Ficus microcarpa	16	0.0881	0.0055
Lepisanthes sp.	20	0.0888	0.0044
Artocarpus heterophyllus	26	0.1085	0.0042
Glochidion sp.	25	0.0806	0.0032
Sesbania grandiflora	25	0.0551	0.0022
Hyophorbe lagenicaulis	20	0.0360	0.0018
Juniperus chinensis	20	0.0345	0.0017
Jacaranda obtusifolia	20	0.0315	0.0016
Pritchardia pacifica	16	0.0135	0.0008
TOTAL		**595.9951**	**32.4558**

3.3 Simple Exponential and Linear Regression

The combination of tree size and density provides an indication of the aboveground C storage (Nagendra 2012). Such parameter may be conveniently used as an indicator for biomass and C, since it integrates the effect of both the number and size of trees (Burrows et al. 2000). The result indicated that species-wise C (DBH ≥ 10 cm) had a positive correlation with plant density ($p < 0.05$) as shown in Figure 3.1. These findings could help in selecting the most suitable species and species combinations for enhancing C sequestration in the studied area.

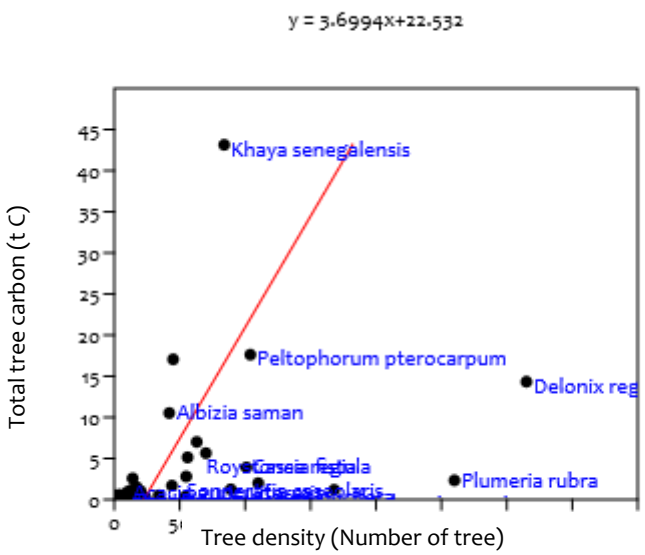


Figure 3.1 Species with > 10 cm DBH relationship between total carbon and flora density

3.4 How will Westports Flora Sequester Carbon Dioxide under Future Climates?

Depending on the methodology, different studies have estimated CO_2 emissions from shipping to be around 2–3% of total global emissions and shares that are much higher for some of the non-GHG emissions, in the range of 5–10% for SOx emissions and 17–31% for NOx emissions. A solid

body of research exists on shipping emissions in particular parts of the world (e.g., Europe) that confirms the reliability of these shares of shipping emissions (Cofala et al. 2007). Therefore, ports like Westports are usually considered as sources of C emissions. Given the presence of vegetation around the Westports area, our results suggest that Westports are also C sinks, with a total of C storage, **162.5284 t C** and a total amount of CO_2 equivalent sequestration of **32.4558 t CO_2 eq/year**.

CO_2 increases in ports such as Westports are often associated with the energy consumption and CO_2 emissions in container terminals. This was based on utility data as well as fuel and electricity consumption for each container-handling equipment in the container terminal. Since flora experiences "urban heat island" effects, higher air temperatures accelerate water loss by evapotranspiration. Moreover, soil sealing often impedes water from reaching the root system. Plants have two main mechanisms to survive soil drought, including avoidance (the ability to avoid decreases in pre-dawn leaf water potential and relative water content during drought), and tolerance (the ability to maintain physiological and metabolic processes during decreasing pre-dawn water potential). Plants might adapt to soil drought through reduced water loss, by changing morpho-physiological and biochemical traits such as cuticle resistance and leaf coverage by trichomes, early stomatal closure, deeper rooting systems to harvest more water, and osmotic adjustment (Bussotti et al. 2014). Moreover, urban flora grown under high CO_2 may respond to drought with biochemical responses via deactivation of Rubisco, the primary enzyme involved in the photosynthetic process (Flexas and Medrano 2002). Recently, Osone et al. (2014) found that during unusually hot and dry summers, street trees in Tokyo exhibited a substantially decreased photosynthetic rate and found that the most resistant species had a conservative water use strategy, characterised by a lower stomatal conductance and C gain during the favourable season but higher leaf gas exchange and water-use efficiency during drought.

Conditions recorded in urban areas today can be considered as an indicator of what the general environmental conditions could be in the next decades, assuming that the atmospheric concentration will continue to rise due to anthropogenic emissions. Therefore, cities are places where

the effect of future levels of CO_2 on flora can be studied (Calfapietra et al. 2015). The increased concentration of CO_2 has a fertilizing effect, stimulating photosynthesis and forest productivity and therefore rendering this "trap" more efficient. Will the terrestrial C sink continue to be as effective in the future? This is not certain. It could become increasingly less effective, or even stop working altogether, due to two different mechanisms: the first is that forest biomass and soils in terrestrial ecosystems could become saturated, which would reduce the capacity for C sequestration; the second is that future climate warming and a higher frequency of droughts could affect these ecosystems by turning CO_2 sinks into sources, as photosynthesis would be reduced and decomposition of soil organic matter would be stimulated. The reduction in productivity and C sequestration observed across Europe as a result of the drought and heat wave in 2003 may be considered as an example of what could happen (Rennenberg et al. 2006).

Pollution could represent a major threat to C sequestration. Preliminary studies have shown that oxidant effects of pollutants such as ozone compromise C sequestration by forest trees (Fares et al. 2013). Finally, nitrogen deposition may improve C sequestration in urban forests (as reviewed in Bai et al. 2015), unless chronic nitrogen deposition causes early nitrogen loss due to faster nitrogen saturation and soil acidification in urban forests than in rural forests. Depending on their capacity to photosynthesize, urban and suburban vegetation will be able to partially offset some anthropogenic emissions, especially in suburban areas, as recently discussed by Ward et al. (2015). However, future policies on pollution and C emission control will be crucial in determining whether trees will be able to sequester significant amounts of CO_2 to improve air quality, whether excessive urban atmospheric pollution load will render the flora's contribution negligible.

Chapter 4: Conclusions and Recommendations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In conclusion, Westports has a total of 2001 flora, including 64 species of trees, shrubs, palms, bamboos and trees from mangrove species. *Delonix regia* is the most common species with 315 trees followed by *Plumeria rubra* with 260 trees. Flora in Westports play a significant role in helping to reduce atmospheric CO_2 levels. Such species as *Khaya senegalensis* have a high dry weight and C stock of 86.3094 t and 43.1547 t C with an average C stock with a value of 0.5137 t C per tree (t C/tree). *Khaya senegalensis* recorded the highest amount of CO_2 sequestration per year, which was 8.0365 t CO_2 eq per year. This species is recommended to be planted by the roadside around the Westports area as it has long been an important multipurpose tree in its natural range in Africa. It is valued for a wide range of non-timber traditional use products. It also provides high quality timber, and over the past decade, demand for this has increased significantly, with the United States becoming one of the leading importers.

As vegetation in Westports is often created artificially by the planting and subsequent management of different species, such management includes activities such as the removal of deadwood from the felling of individual trees, pruning, fertilization, irrigation, and removal of dead leaves, which further leads to CO_2 emissions. A direct estimation of C sequestration by each flora is difficult to perform due to the complex characteristics and the high variability in tree distribution and species. In the future, remote sensing, eddy covariance, and coupled inventory-modelling are among the approaches that should be employed for this purpose.

In addition, there were mangrove areas in Westports that could not be sampled by our team, so we suggest the high-resolution aerial photographs be taken using a drone. This method has been used to estimate tree-covered urban areas in Canada that store approximately 34 million tons of carbon (t C) and annually sequester approximately 2.5 million tons of CO_2 (Pashera et al. 2014). By using this method, we believe there are several more C sequestration potentials by the mangrove species. The cost of taking high-resolution aerial photographs using a drone for the mangrove area around the Westports is estimated to be RM70,000.00, including the analysis to estimate tree cover and biomass using the aerial photos and ground truthing work.

In particular, more field data is needed to more accurately assess changes in Westports flora growth, regeneration, and mortality; and needs to develop a better urban/ornamental tree biomass equation, improve estimates of tree decomposition and maintenance emissions, and investigate the effect of urban soils on C storage and flux in the Westports areas.

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Appendix
Data

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	1	*Cocos nucifera*	Kelapa	15.6	6.8	20	368092	326657
A1	2	*Delonix regia*	Semarak api	27.3	8.9	20	368089	326660
A1	3	*Delonix regia*	Semarak api	26.1	7	20	368086	326659
A1	4	*Delonix regia*	Semarak api	29.1	7.5	20	368084	326664
A1	5	*Cocos nucifera*	Kelapa	19.4	5.7	20	368084	326669
A1	6	*Plumeria obtusa*	Kemboja/Frangipani	14.9	5.9	20	368084	326669
A1	7	*Plumeria obtusa*	Kemboja/Frangipani	18.7	5.7	20	368081	326670
A1	8	*Khaya senegalensis*	Khaya	63.2	23.5	20	368081	326679
A1	9	*Khaya senegalensis*	Khaya	75.5	23.5	20	368084	326682
A1	10	*Khaya senegalensis*	Khaya	45.6	19.1	20	368081	326685
A1	11	*Khaya senegalensis*	Khaya	17.8	11.4	20	368076	326686
A1	12	*Khaya senegalensis*	Khaya	48.9	10.9	20	368072	326688
A1	13	*Khaya senegalensis*	Khaya	93.4	22.5	20	368071	326690
A1	14	*Plumeria obtusa*	Kemboja/Frangipani	13.1	4.2	20	368062	326690
A1	15	*Cassia fistula*	Golden shower	17.1	7.8	20	368066	326672
A1	16	*Cassia fistula*	Golden shower	14	6.5	20	368066	326668
A1	17	*Cassia fistula*	Golden shower	25	9.2	20	368066	326669
A1	18	*Cocos nucifera*	Kelapa	29.2	5.1	20	368076	326659
A1	19	*Mangifera indica*	Mangga	23.4	7.4	20	368081	326651

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	20	*Cocos nucifera*	Kelapa	17.9	7.5	20	368079	326652
A1	21	*Cocos nucifera*	Kelapa	30.4	7.5	20	368056	326658
A1	22	*Syzygium campanulatum*	Kelat paya	20.2	5.3	20	368052	326665
A1	23	*Plumeria obtusa*	Kemboja/Frangipani	16.5	5.5	20	368052	326664
A1	24	*Syzygium grande*	Kelat Jambu laut	25.6	12.7	20	368045	326667
A1	25	*Delonix regia*	Semarak api	26.3	10.6	20	368043	326668
A1	26	*Acacia mangium*	Akasia	56.7	14.9	20	368042	326669
A1	27	*Plumeria obtusa*	Kemboja/Frangipani	15.6	4.3	20	368046	326665
A1	28	*Cocos nucifera*	Kelapa	23.1	4.4	20	368039	326665
A1	29	*Plumeria obtusa*	Kemboja/Frangipani	15.5	6.5	20	368052	326668
A1	30	*Mangifera indica*	Mangga	16.2	8	20	368087	326666
A1	31	*Mangifera indica*	Mangga	21.1	7.7	20	368052	326662
A1	32	*Plumeria rubra*	Kemboja/Red frangipani	11.2	3.5	20	368062	326642
A1	33	*Plumeria rubra*	Kemboja/Red frangipani	16.7	3.6	20	368057	326664
A1	34	*Casuarina equisetifolia*	Rhu	45.1	24.4	20	368051	326664
A1	35	*Delonix regia*	Semarak api	31.6	6.3	20	368046	326651
A1	36	*Cassia fistula*	Golden shower	11.2	8	20	368031	326657
A1	37	*Plumeria rubra*	Kemboja/Red frangipani	11.8	4.1	20	368031	326656
A1	38	*Syzygium campanulatum*	Kelat paya	20.4	10.2	20	368029	326661
A1	39	*Syzygium campanulatum*	Kelat paya	10.1	5.5	20	368028	326659

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	40	*Wodyetia bifurcata*	Foxtail palm	23.8	7.6	20	368026	326660
A1	41	*Syzygium campanulatum*	Kelat paya	11.2	5.1	20	368025	326664
A1	42	*Casuarina equisetifolia*	Rhu	46.2	30.5	20	368025	326666
A1	43	*Casuarina equisetifolia*	Rhu	61.2	32.5	20	368018	326663
A1	44	*Casuarina equisetifolia*	Rhu	60.6	32.2	20	368013	326667
A1	45	*Casuarina equisetifolia*	Rhu	46.2	30.5	20	368011	326665
A1	46	*Casuarina equisetifolia*	Rhu	23.9	17.6	20	368017	326659
A1	47	*Syzygium grande*	Kelat Jambu laut	28.5	11.4	20	368006	326661
A1	48	*Wodyetia bifurcata*	Foxtail palm	24.5	7.6	25	368025	326658
A1	49	*Syzygium campanulatum*	Kelat paya	12.6	6.2	25	368016	326659
A1	50	*Syzygium campanulatum*	Kelat paya	11.9	6	25	368016	323356
A1	51	*Syzygium campanulatum*	Kelat paya	12.4	5.8	25	368007	326657
A1	52	*Syzygium campanulatum*	Kelat paya	10.7	6.8	25	368002	326654
A1	53	*Syzygium campanulatum*	Kelat paya	10.3	6.9	25	368005	326651
A1	54	*Syzygium campanulatum*	Kelat paya	11.5	7.1	25	368002	326657
A1	55	*Syzygium campanulatum*	Kelat paya	14	7.5	25	368001	326653
A1	56	*Sesbania grandiflora*	vegetable hummingbird	10.2	5.4	25	367972	326643
A1	57	*Sesbania grandiflora*	vegetable hummingbird	12.1	5.6	25	367967	326674
A1	58	*Syzygium grande*	Kelat Jambu laut	32	12	25	367979	326609
A1	59	*Bucida buceras 'Tricolor'*	Variegated Bucida	22.8	11	25	367997	326608

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	60	*Casuarina nobile*	Bornean rhu "topiari"	13.5	3.6	25	368006	326617
A1	61	*Ficus microcarpa*	Ara/Jejawi	23.8	3.9	16	367997	326597
A1	62	*Delonix regia*	Semarak api	34.2	6.6	25	367958	326570
A1	63	*Delonix regia*	Semarak api	37.4	9.4	25	367940	326526
A1	64	*Syzygium campanulatum*	Kelat paya	25.6	9.4	25	367936	326511
A1	65	*Delonix regia*	Semarak api	51.3	12.6	25	367938	326506
A1	66	*Syzygium campanulatum*	Kelat paya	20.2	7.2	25	367880	326490
A1	67	*Moringa oleifera*	Merunggai/kacang kelo	10.8	5.9	25	367888	326493
A1	68	*Spathodea campanulata*	African tulip	48	13.5	25	367900	326490
A1	69	*Lagerstroemia floribunda*	Bungor	23.4	8.6	25	367910	326491
A1	70	*Lagerstroemia floribunda*	Bungor	25.6	9	25	367911	326493
A1	71	*Lagerstroemia floribunda*	Bungor	25.1	8.7	25	367911	326473
A1	72	*Lagerstroemia floribunda*	Bungor	24.3	9.1	25	367913	326472
A1	73	*Delonix regia*	Semarak api	17.4	7.2	25	367924	326492
A1	74	*Syzygium campanulatum*	Kelat paya	18.3	7	25	367937	326493
A1	75	*Syzygium campanulatum*	Kelat paya	17.5	9.3	25	367932	326498
A1	76	*Syzygium campanulatum*	Kelat paya	24.8	8.8	25	367935	326476
A1	77	*Delonix regia*	Semarak api	37.5	9.6	18	367933	326467
A1	78	*Delonix regia*	Semarak api	26.8	6.1	18	367944	326457
A1	79	*Delonix regia*	Semarak api	33.1	8	18	367963	326467

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	80	*Delonix regia*	Semarak api	44.6	9.5	18	367933	326459
A1	81	*Delonix regia*	Semarak api	37.2	8.4	18	367980	326453
A1	82	*Delonix regia*	Semarak api	13.3	5	18	367986	326448
A1	83	*Syzygium campanulatum*	Kelat paya	14.8	5.2	25	367984	326460
A1	84	*Syzygium campanulatum*	Kelat paya	11.9	8.1	25	367986	326456
A1	85	*Syzygium campanulatum*	Kelat paya	15.8	8.2	25	367986	326455
A1	86	*Syzygium campanulatum*	Kelat paya	15.7	6.1	25	367997	326498
A1	87	*Syzygium campanulatum*	Kelat paya	15.8	8.2	25	367999	326452
A1	88	*Syzygium campanulatum*	Kelat paya	15.4	8.4	25	368014	326447
A1	89	*Syzygium campanulatum*	Kelat paya	20.4	9.4	25	368023	326446
A1	90	*Syzygium campanulatum*	Kelat paya	20.2	17.3	25	368012	326460
A1	91	*Syzygium campanulatum*	Kelat paya	14.1	5.6	25	368011	326434
A1	92	*Syzygium campanulatum*	Kelat paya	19.3	5.7	25	367994	326415
A1	93	*Syzygium campanulatum*	Kelat paya	10.5	4.6	25	367995	326413
A1	94	*Magnolia champaca*	Cempaka	14.4	7.3	6	367971	326422
A1	95	*Magnolia champaca*	Cempaka	10.8	5.1	6	367964	326390
A1	96	*Bucida buceras*	Pokok Doa	17.6	6.2	6	367970	326380
A1	97	*Bucida buceras*	Pokok Doa	10.9	5.1	6	367973	326378
A1	98	*Bucida buceras*	Pokok Doa	10.5	4.7	6	367987	326373
A1	99	*Bucida buceras*	Pokok Doa	13.8	4.3	6	367994	326369

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	100	*Roystonea regia*	Royal Palm	36.1	14.9	25	368009	326360
A1	101	*Roystonea regia*	Royal Palm	31.9	12.5	25	368010	326362
A1	102	*Roystonea regia*	Royal Palm	29.6	12.4	25	368011	326364
A1	103	*Roystonea regia*	Royal Palm	27.4	8.3	25	368014	326372
A1	104	*Roystonea regia*	Royal Palm	39.8	13.5	25	368015	326373
A1	105	*Roystonea regia*	Royal Palm	34	11.6	25	368013	326375
A1	106	*Roystonea regia*	Royal Palm	31.6	17	25	368013	326375
A1	107	*Roystonea regia*	Royal Palm	30.8	10.7	25	368014	326369
A1	108	*Roystonea regia*	Royal Palm	29.3	11.8	25	368015	326373
A1	109	*Roystonea regia*	Royal Palm	30	11.6	25	368016	326374
A1	110	*Roystonea regia*	Royal Palm	28.1	11.5	25	368020	326380
A1	111	*Roystonea regia*	Royal Palm	19.6	7.7	25	368025	326384
A1	112	*Roystonea regia*	Royal Palm	31.6	10.3	25	368026	326389
A1	113	*Roystonea regia*	Royal Palm	32.1	11.3	25	368028	326393
A1	114	*Roystonea regia*	Royal Palm	31.1	9.9	25	368030	326396
A1	115	*Roystonea regia*	Royal Palm	33.2	11.9	25	368031	326390
A1	116	*Roystonea regia*	Royal Palm	28.5	9.5	25	368032	326400
A1	117	*Bucida buceras*	Pokok Doa	12	6.1	6	368028	326404
A1	118	*Bucida buceras*	Pokok Doa	16.2	5.7	6	368024	326404
A1	119	*Bucida buceras*	Pokok Doa	11.3	6	6	368025	326406

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	120	*Bucida buceras*	Pokok Doa	16.4	4.5	6	368006	326407
A1	121	*Bucida buceras*	Pokok Doa	14.2	4.2	6	368006	326412
A1	122	*Bucida buceras*	Pokok Doa	18.3	6.5	6	367996	326390
A1	123	*Bucida buceras*	Pokok Doa	13.2	5.5	6	367983	326398
A1	124	*Bucida buceras*	Pokok Doa	16.4	5.3	6	367938	326402
A1	125	*Peltophorum pterocarpum*	Jemerlang laut	33.3	9.2	25	368025	326414
A1	126	*Peltophorum pterocarpum*	Jemerlang laut	28.4	9.3	25	368027	326411
A1	127	*Peltophorum pterocarpum*	Jemerlang laut	27.6	9.3	25	368030	326406
A1	128	*Peltophorum pterocarpum*	Jemerlang laut	29.5	9.6	25	368028	326408
A1	129	*Peltophorum pterocarpum*	Jemerlang laut	29.4	9.5	25	368031	326406
A1	130	*Peltophorum pterocarpum*	Jemerlang laut	23.8	7.5	25	368050	326400
A1	131	*Peltophorum pterocarpum*	Jemerlang laut	25.9	8.6	25	368050	326398
A1	132	*Peltophorum pterocarpum*	Jemerlang laut	38.1	8.5	25	368054	326394
A1	133	*Peltophorum pterocarpum*	Jemerlang laut	29.2	10.1	25	368060	326390
A1	134	*Peltophorum pterocarpum*	Jemerlang laut	22.5	8.4	25	368068	326383
A1	135	*Peltophorum pterocarpum*	Jemerlang laut	36.6	11.7	25	368073	326380
A1	136	*Spathodea campanulata*	African tulip	11.6	4.5	25	368072	326373
A1	137	*Plumeria rubra*	Kemboja/Red frangipani	10.5	4.8	20	368060	326382
A1	138	*Plumeria rubra*	Kemboja/Red frangipani	10.5	5.6	20	368047	326387
A1	139	*Plumeria rubra*	Kemboja/Red frangipani	10.1	4.8	20	368033	326400

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	140	*Cassia fistula*	Golden shower	15.1	9.9	25	368054	326381
A1	141	*Azadirachta indica*	Semambu	39.1	10.7	25	368051	326372
A1	142	*Syzygium campanulatum*	Kelat paya	33.1	10.3	25	368059	326359
A1	143	*Glochidion sp*	Tiada	16.2	7.7	25	368045	326362
A1	144	*Syzygium campanulatum*	Kelat paya	22.2	8.4	25	368042	326366
A1	145	*Syzygium campanulatum*	Kelat paya	10.5	3	25	368041	326368
A1	146	*Syzygium campanulatum*	Kelat paya	12.6	7.2	25	368074	326360
A1	147	*Syzygium campanulatum*	Kelat paya	12.4	2.9	25	368041	326360
A1	148	*Bismarckia nobilis*	Bismarck palm	48.6	14.3	25	368017	326361
A1	149	*Bismarckia nobilis*	Bismarck palm	50.4	16	25	368014	326359
A1	150	*Bismarckia nobilis*	Bismarck palm	43.4	14.3	25	368019	326364
A1	151	*Spathodea campanulata*	African tulip	28.5	12.9	25	368022	326369
A1	152	*Spathodea campanulata*	African tulip	40.5	10.5	25	368023	326369
A1	153	*Spathodea campanulata*	African tulip	18.9	9.1	25	368029	326398
A1	154	*Delonix regia*	Semarak api	35	7.5	25	368037	326380
A1	155	*Azadirachta indica*	Semambu	14.2	11.5	25	368037	326378
A1	156	*Delonix regia*	Semarak api	13	12.2	25	368042	326383
A1	157	*Spathodea campanulata*	African tulip	20.6	5.7	25	368041	326382
A1	158	*Peltophorum pterocarpum*	Jemerlang laut	27.1	6.5	25	368080	326390
A1	159	*Peltophorum pterocarpum*	Jemerlang laut	27.5	7.9	25	368069	326395

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	160	*Peltophorum pterocarpum*	Jemerlang laut	22	6.1	25	368061	326400
A1	161	*Peltophorum pterocarpum*	Jemerlang laut	19.1	4.9	25	368057	326405
A1	162	*Peltophorum pterocarpum*	Jemerlang laut	24.3	5.2	25	368052	326410
A1	163	*Peltophorum pterocarpum*	Jemerlang laut	22.9	5.5	25	368050	326411
A1	164	*Peltophorum pterocarpum*	Jemerlang laut	17.8	5.4	25	368036	326415
A1	165	*Peltophorum pterocarpum*	Jemerlang laut	30.4	5.8	25	368036	326416
A1	166	*Peltophorum pterocarpum*	Jemerlang laut	18.3	4	25	368030	326419
A1	167	*Peltophorum pterocarpum*	Jemerlang laut	16.3	4.5	25	368022	326426
A1	168	*Peltophorum pterocarpum*	Jemerlang laut	27.8	4.6	25	368018	326426
A1	169	*Peltophorum pterocarpum*	Jemerlang laut	66.5	18.1	25	368026	326429
A1	170	*Peltophorum pterocarpum*	Jemerlang laut	60.2	20.2	25	368033	326426
A1	171	*Peltophorum pterocarpum*	Jemerlang laut	36.1	17.1	25	368032	326424
A1	172	*Peltophorum pterocarpum*	Jemerlang laut	42.4	17	25	368036	326421
A1	173	*Peltophorum pterocarpum*	Jemerlang laut	44.1	18	25	368045	326419
A1	174	*Peltophorum pterocarpum*	Jemerlang laut	47.2	17.2	25	368051	326416
A1	175	*Peltophorum pterocarpum*	Jemerlang laut	40.2	16.9	25	368059	326412
A1	176	*Peltophorum pterocarpum*	Jemerlang laut	48.9	17.5	25	368063	326408
A1	177	*Peltophorum pterocarpum*	Jemerlang laut	47.1	17.2	25	368069	326407
A1	178	*Peltophorum pterocarpum*	Jemerlang laut	39.7	16.9	25	368075	326403
A1	179	*Peltophorum pterocarpum*	Jemerlang laut	54.2	18.1	25	368075	326399

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A1	180	*Peltophorum pterocarpum*	Jemerlang laut	61.5	20	25	368084	326397
A1	181	*Bismarckia nobilis*	Bismarck palm	41.9	4.1	16	368035	326523
A1	182	*Bismarckia nobilis*	Bismarck palm	34.2	5.3	16	368025	326513
A1	183	*Bismarckia nobilis*	Bismarck palm	40.3	7.5	16	368026	326522
A1	184	*Bismarckia nobilis*	Bismarck palm	44.1	6.9	16	368030	326527
A1	185	*Roystonea regia*	Pinang raja	46.4	10.6	25	368030	326543
A1	186	*Roystonea regia*	Pinang raja	48.2	10.5	25	368022	326535
A1	187	*Bismarckia nobilis*	Bismarck palm	44.5	7.7	16	368021	326529
A1	188	*Bismarckia nobilis*	Bismarck palm	44.1	7.1	16	368013	326526
A1	189	*Roystonea regia*	Pinang raja	48.3	10.5	25	368013	326517
A1	190	*Roystonea regia*	Pinang raja	48.8	10.7	25	368007	326513
A1	191	*Roystonea regia*	Pinang raja	47.8	10.6	25	367991	326539
A1	192	*Bismarckia nobilis*	Bismarck palm	42.1	6.7	16	368000	326544
A1	193	*Bismarckia nobilis*	Bismarck palm	47.9	6.9	16	368004	326551
A1	194	*Roystonea regia*	Pinang raja	49.8	10.7	25	368004	326557
A1	195	*Roystonea regia*	Pinang raja	49.2	10.9	25	368013	326562
A1	196	*Bismarckia nobilis*	Bismarck palm	44.1	6.6	16	367996	326550
A1	197	*Bismarckia nobilis*	Bismarck palm	43.3	6.7	16	367986	326554
A2	1	*Plumeria obtusa*	Kemboja/Frangipani	14.5	5.5	20	368079	326621
A2	2	*Cassia fistula*	Golden shower	13.4	6.2	20	368113	326625

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	3	*Cassia fistula*	Golden shower	17.9	6.3	20	368116	326628
A2	4	*Plumeria rubra*	Kemboja/Red frangipani	12	4	20	368114	326632
A2	5	*Syzygium campanulatum*	Kelat paya	15.8	5.4	20	368112	326630
A2	6	*Hopea odorata*	M. siput jantan	12.9	11.8	20	368123	326642
A2	7	*Hopea odorata*	M. siput jantan	43.3	12.9	20	368122	326640
A2	8	*Hopea odorata*	M. siput jantan	13.8	10.5	20	368125	326636
A2	9	*Hopea odorata*	M. siput jantan	20.7	10.1	20	368127	326641
A2	10	*Hopea odorata*	M. siput jantan	22.8	11	20	368129	326642
A2	11	*Hopea odorata*	M. siput jantan	31.7	14.1	20	368127	326639
A2	12	*Hopea odorata*	M. siput jantan	22.3	10.3	20	368128	326640
A2	13	*Hopea odorata*	M. siput jantan	45	13.8	20	368130	326637
A2	14	*Hopea odorata*	M. siput jantan	24.6	10.4	20	368131	326635
A2	15	*Hopea odorata*	M. siput jantan	26	14.1	20	368127	326632
A2	16	*Hopea odorata*	M. siput jantan	28.5	12.7	20	368128	326634
A2	17	*Hopea odorata*	M. siput jantan	18.7	8.2	20	368126	326637
A2	18	*Hopea odorata*	M. siput jantan	23.1	5.3	20	368127	326632
A2	19	*Hopea odorata*	M. siput jantan	16.8	7	20	368124	326629
A2	20	*Hopea odorata*	M. siput jantan	19.1	6.5	20	368125	326627
A2	21	*Hopea odorata*	M. siput jantan	17.8	5.6	20	368124	326623
A2	22	*Cocos nucifera*	Kelapa	17.2	5.1	20	368122	326624

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	23	*Plumeria obtusa*	Kemboja/Frangipani	13.8	4.4	20	368130	326623
A2	24	*Plumeria obtusa*	Kemboja/Frangipani	14	4.7	20	368132	326623
A2	25	*Plumeria obtusa*	Kemboja/Frangipani	16.8	4.9	20	368132	326621
A2	26	*Jacaranda obtusifolia*	Jacaranda	10	7.9	20	368141	326618
A2	27	*Plumeria obtusa*	Kemboja/Frangipani	12.9	8.1	20	368141	326620
A2	28	*Plumeria obtusa*	Kemboja/Frangipani	13	8.4	20	368143	326617
A2	29	*Xanthostemon chrysanthus*	Golden penda	12.4	6.9	20	368143	326620
A2	30	*Xanthostemon chrysanthus*	Golden penda	15.4	7.7	20	368144	326615
A2	31	*Xanthostemon chrysanthus*	Golden penda	26.2	11.4	20	368146	326615
A2	32	*Xanthostemon chrysanthus*	Golden penda	22.6	10.2	20	368147	326618
A2	33	*Xanthostemon chrysanthus*	Golden penda	20.5	10.3	20	368149	326621
A2	34	*Xanthostemon chrysanthus*	Golden penda	19.3	11.8	20	368150	326620
A2	35	*Plumeria obtusa*	Kemboja/Frangipani	22.7	3.1	20	368154	326626
A2	36	*Mangifera indica*	Mangga	16.4	2.8	20	368149	326632
A2	37	*Hopea odorata*	M. siput jantan	26.6	9.3	20	368143	326633
A2	38	*Hopea odorata*	M. siput jantan	25.3	8.1	20	368140	326633
A2	39	*Hopea odorata*	M. siput jantan	23.4	8.7	20	368138	326633
A2	40	*Hopea odorata*	M. siput jantan	29.3	11.5	20	368134	326635
A2	41	*Hopea odorata*	M. siput jantan	24.5	7.2	20	368131	326650
A2	42	*Hopea odorata*	M. siput jantan	23.5	8.3	20	368128	326652

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	43	*Hopea odorata*	M. siput jantan	22.1	7.8	20	368130	326652
A2	44	*Hopea odorata*	M. siput jantan	20.5	7.9	20	368131	326650
A2	45	*Hopea odorata*	M. siput jantan	22.8	7.2	20	368131	326652
A2	46	*Hopea odorata*	M. siput jantan	20	8.8	20	368132	326650
A2	47	*Hopea odorata*	M. siput jantan	21.4	8.5	20	368132	326648
A2	48	*Hopea odorata*	M. siput jantan	27.2	10.6	20	368136	326649
A2	49	*Hopea odorata*	M. siput jantan	22	7.4	20	368136	326648
A2	50	*Hopea odorata*	M. siput jantan	24	9.6	20	368135	326646
A2	51	*Hopea odorata*	M. siput jantan	23.5	8.8	20	368138	326648
A2	52	*Hopea odorata*	M. siput jantan	23.7	8.8	20	368140	326644
A2	53	*Hopea odorata*	M. siput jantan	22	9.6	20	368140	326646
A2	54	*Hopea odorata*	M. siput jantan	23.9	8.5	20	368142	326645
A2	55	*Hopea odorata*	M. siput jantan	24.9	9	20	368144	326643
A2	56	*Hopea odorata*	M. siput jantan	20	7.4	20	368145	326644
A2	57	*Hopea odorata*	M. siput jantan	23	8	20	368147	326642
A2	58	*Hopea odorata*	M. siput jantan	21.5	10.9	20	368149	326641
A2	59	*Hopea odorata*	M. siput jantan	32.7	9.9	20	368151	326638
A2	60	*Casuarina equisetifolia*	Rhu	37.7	14.4	20	368159	326631
A2	61	*Casuarina equisetifolia*	Rhu	23.8	15.8	20	368158	326632
A2	62	*Casuarina equisetifolia*	Rhu	38.4	16	20	368156	326632

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	63	*Casuarina equisetifolia*	Rhu	37.7	22.4	20	368162	326628
A2	64	*Casuarina equisetifolia*	Rhu	27.5	12.6	20	368163	326629
A2	65	*Casuarina equisetifolia*	Rhu	39.1	25.4	20	368163	326627
A2	66	*Casuarina equisetifolia*	Rhu	19.5	34.8	20	368167	326627
A2	67	*Casuarina equisetifolia*	Rhu	38.1	19.8	20	368168	326627
A2	68	*Casuarina equisetifolia*	Rhu	25.4	21.9	20	368169	326626
A2	69	*Casuarina equisetifolia*	Rhu	35	25	20	368168	326627
A2	70	*Casuarina equisetifolia*	Rhu	25.4	13.4	20	368172	326622
A2	71	*Casuarina equisetifolia*	Rhu	25.4	17.7	20	368177	326624
A2	72	*Casuarina equisetifolia*	Rhu	20.4	17.7	20	368177	326621
A2	73	*Casuarina equisetifolia*	Rhu	44.7	23.7	20	368178	326619
A2	74	*Casuarina equisetifolia*	Rhu	19.9	17.9	20	368180	326620
A2	75	*Casuarina equisetifolia*	Rhu	17.1	14	20	368181	326619
A2	76	*Casuarina equisetifolia*	Rhu	33.5	22.4	20	368183	326614
A2	77	*Casuarina equisetifolia*	Rhu	28	17.1	20	368184	326615
A2	78	*Casuarina equisetifolia*	Rhu	31.3	22.1	20	368188	326614
A2	79	*Casuarina equisetifolia*	Rhu	27.1	16.5	20	368188	326612
A2	80	*Casuarina equisetifolia*	Rhu	25	18.6	20	368189	326612
A2	81	*Casuarina equisetifolia*	Rhu	49.5	22.4	20	368190	326615
A2	82	*Casuarina equisetifolia*	Rhu	56.4	23.6	20	368188	326610

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	83	*Plumeria rubra*	Kemboja/Red frangipani	20.2	3.3	20	368188	326615
A2	84	*Plumeria rubra*	Kemboja/Red frangipani	12	3.4	20	368187	326615
A2	85	*Plumeria rubra*	Kemboja/Red frangipani	12.4	3.3	20	368186	326615
A2	86	*Plumeria rubra*	Kemboja/Red frangipani	13.8	3.7	20	368183	326617
A2	87	*Plumeria rubra*	Kemboja/Red frangipani	15	3.6	20	368179	326617
A2	88	*Plumeria rubra*	Kemboja/Red frangipani	16.2	4.2	20	368179	326618
A2	89	*Plumeria rubra*	Kemboja/Red frangipani	21.3	4.7	20	368178	326617
A2	90	*Plumeria rubra*	Kemboja/Red frangipani	20.9	4.9	20	368179	326616
A2	91	*Plumeria rubra*	Kemboja/Red frangipani	19.5	3.7	20	368183	326612
A2	92	*Plumeria rubra*	Kemboja/Red frangipani	21.4	3	20	368184	326613
A2	93	*Plumeria rubra*	Kemboja/Red frangipani	16.8	3.2	20	368185	326613
A2	94	*Plumeria rubra*	Kemboja/Red frangipani	16	3.3	20	368190	326612
A2	95	*Plumeria rubra*	Kemboja/Red frangipani	20.2	4.6	20	368187	326613
A2	96	*Plumeria rubra*	Kemboja/Red frangipani	16.9	3.8	20	368186	326612
A2	97	*Plumeria rubra*	Kemboja/Red frangipani	12.4	4.5	20	368185	326612
A2	98	*Plumeria rubra*	Kemboja/Red frangipani	14.5	4.4	20	368184	326612
A2	99	*Plumeria rubra*	Kemboja/Red frangipani	15.6	4.2	20	368183	326613
A2	100	*Plumeria rubra*	Kemboja/Red frangipani	15	4.5	20	368180	326613
A2	101	*Plumeria rubra*	Kemboja/Red frangipani	15.2	4.3	20	368180	326612
A2	102	*Plumeria rubra*	Kemboja/Red frangipani	12.4	3.9	20	368180	326611

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	103	*Plumeria rubra*	Kemboja/Red frangipani	15.6	4.7	20	368182	326611
A2	104	*Plumeria rubra*	Kemboja/Red frangipani	14.9	4.5	20	368184	326610
A2	105	*Plumeria rubra*	Kemboja/Red frangipani	15.3	4.5	20	368184	326612
A2	106	*Plumeria rubra*	Kemboja/Red frangipani	19.4	3.4	20	368183	326608
A2	107	*Plumeria rubra*	Kemboja/Red frangipani	16.2	3.6	20	368185	326609
A2	108	*Casuarina nobile*	Bornean rhu "topiari"	15.8	5.4	20	368186	326589
A2	109	*Casuarina nobile*	Bornean rhu "topiari"	18.6	6.4	20	368178	326595
A2	110	*Plumeria rubra*	Kemboja/Red frangipani	17.8	4.1	20	368182	326593
A2	111	*Plumeria rubra*	Kemboja/Red frangipani	20.8	4.2	20	368181	326590
A2	112	*Casuarina nobile*	Bornean rhu "topiari"	16.8	7	20	368176	326593
A2	113	*Casuarina nobile*	Bornean rhu "topiari"	14.1	5.4	20	368173	326591
A2	114	*Cassia fistula*	Golden shower	18	9.5	20	368173	326587
A2	115	*Cassia fistula*	Golden shower	28.5	10.3	20	368177	326583
A2	116	*Cassia fistula*	Golden shower	31.8	10.2	20	368173	326577
A2	117	*Lepisanthes sp.*		20.9	5.1	20	368168	326573
A2	118	*Plumeria rubra*	Kemboja/Red frangipani	11.3	2.7	20	368169	326572
A2	119	*Livistona rotundifolia*	Serdang	19.7	4.2	20	368168	326565
A2	120	*Livistona rotundifolia*	Serdang	18.7	5.8	20	368175	326567
A2	121	*Plumeria rubra*	Kemboja/Red frangipani	18	6	20	368178	326563
A2	122	*Livistona rotundifolia*	Serdang	20.8	5.3	20	368169	326563

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	123	*Livistona rotundifolia*	Serdang	30.1	4.2	20	368172	325556
A2	124	*Livistona rotundifolia*	Serdang	23.6	1.6	20	368165	326561
A2	125	*Livistona rotundifolia*	Serdang	22.2	2	20	368164	326565
A2	126	*Livistona rotundifolia*	Serdang	23.5	1.6	20	368163	326560
A2	127	*Livistona rotundifolia*	Serdang	19.2	1.5	20	368161	326562
A2	128	*Juniperus chinensis*	Chinese Juniper	12.9	5.2	20	368161	326566
A2	129	*Livistona rotundifolia*	Serdang	18.9	1.3	20	368160	326555
A2	130	*Plumeria rubra*	Kemboja/Red frangipani	13.7	4.2	20	368161	326553
A2	131	*Hyophorbe lagenicaulis*	Dwarf palm	14.9	1.5	20	368170	326549
A2	132	*Hyophorbe lagenicaulis*	Dwarf palm	18.3	1.7	20	368170	326548
A2	133	*Nephelium sp.*	Tiada	22.6	7.7	20	368154	326557
A2	134	*Plumeria obtusa*	Kemboja/Frangipani	11.3	3.7	20	368152	326558
A2	135	*Plumeria obtusa*	Kemboja/Frangipani	10.4	3.6	20	368147	326561
A2	136	*Plumeria obtusa*	Kemboja/Frangipani	21.7	5.2	20	368142	326562
A2	137	*Plumeria obtusa*	Kemboja/Frangipani	15.1	5.4	20	368140	326563
A2	138	*Plumeria obtusa*	Kemboja/Frangipani	18.3	5.2	20	368136	326566
A2	139	*Plumeria obtusa*	Kemboja/Frangipani	14.7	4.9	20	368134	326567
A2	140	*Plumeria obtusa*	Kemboja/Frangipani	16	4.6	20	368131	326568
A2	141	*Plumeria obtusa*	Kemboja/Frangipani	13.2	5	20	368128	326570
A2	142	*Bismarckia nobilis*	Bismarck palm	44.3	6.4	20	368121	326573

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	143	*Bismarckia nobilis*	Bismarck palm	47.4	3.3	20	368117	326576
A2	144	*Acacia auriculiformis*	Akasia	40.2	10.4	20	368124	326582
A2	145	*Plumeria obtusa*	Kemboja/Frangipani	14	4	20	368127	326614
A2	146	*Plumeria obtusa*	Kemboja/Frangipani	13.3	4.1	20	368128	326613
A2	147	*Plumeria obtusa*	Kemboja/Frangipani	14.3	4.3	20	368125	326617
A2	148	*Syzygium grande*	Kelat jambu laut	27.4	15.6	20	368155	326619
A2	149	*Syzygium grande*	Kelat jambu laut	27.2	13.3	20	368155	326616
A2	150	*Syzygium grande*	Kelat jambu laut	22.8	15.1	20	368156	326615
A2	151	*Syzygium grande*	Kelat jambu laut	20.9	14	20	368158	326613
A2	152	*Syzygium grande*	Kelat jambu laut	27.4	13.4	20	368159	326613
A2	153	*Syzygium grande*	Kelat jambu laut	11.6	5.3	20	368157	326614
A2	154	*Syzygium grande*	Kelat jambu laut	20	14.2	20	368156	326613
A2	155	*Syzygium grande*	Kelat jambu laut	24.4	14.2	20	368153	326611
A2	156	*Syzygium grande*	Kelat jambu laut	28.1	14	20	368151	326608
A2	157	*Syzygium grande*	Kelat jambu laut	25	12.1	20	368151	326605
A2	158	*Delonix regia*	Semarak api	26.1	5.4	20	368163	326600
A2	159	*Acacia auriculiformis*	Akasia	31.3	11.4	20	368162	326602
A2	160	*Plumeria rubra*	Kemboja/Red frangipani	16.7	3.7	20	368165	326597
A2	161	*Plumeria rubra*	Kemboja/Red frangipani	17.4	3.3	20	368167	326601
A2	162	*Plumeria rubra*	Kemboja/Red frangipani	16.3	3.5	20	368165	326601

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	163	*Plumeria rubra*	Kemboja/Red frangipani	15.7	2.7	20	368164	326600
A2	164	*Plumeria rubra*	Kemboja/Red frangipani	19	3.1	20	368162	326601
A2	165	*Plumeria rubra*	Kemboja/Red frangipani	15.2	3.4	20	368162	326604
A2	166	*Plumeria rubra*	Kemboja/Red frangipani	22.4	3.1	20	368163	326603
A2	167	*Plumeria rubra*	Kemboja/Red frangipani	17	3	20	368166	326600
A2	168	*Plumeria rubra*	Kemboja/Red frangipani	15.1	4	20	368168	326600
A2	169	*Plumeria rubra*	Kemboja/Red frangipani	18.9	4.7	20	368169	326601
A2	170	*Plumeria rubra*	Kemboja/Red frangipani	12.8	3.1	20	368167	326603
A2	171	*Plumeria rubra*	Kemboja/Red frangipani	21.7	4.5	20	368167	326604
A2	172	*Plumeria rubra*	Kemboja/Red frangipani	19.4	3.9	20	368166	326604
A2	173	*Plumeria rubra*	Kemboja/Red frangipani	13.2	3.3	20	368162	326603
A2	174	*Plumeria rubra*	Kemboja/Red frangipani	19.1	3.4	20	368162	326608
A2	175	*Plumeria rubra*	Kemboja/Red frangipani	27.8	9.5	20	368161	326608
A2	176	*Plumeria rubra*	Kemboja/Red frangipani	19	3.7	20	368163	326607
A2	177	*Plumeria rubra*	Kemboja/Red frangipani	15.2	3	20	368163	326605
A2	178	*Plumeria rubra*	Kemboja/Red frangipani	19.9	4.6	20	368163	326604
A2	179	*Plumeria rubra*	Kemboja/Red frangipani	21.1	4.5	20	368165	326601
A2	180	*Plumeria rubra*	Kemboja/Red frangipani	16.9	4.1	20	368169	326601
A2	181	*Plumeria rubra*	Kemboja/Red frangipani	13.2	4.2	20	368170	326602
A2	182	*Plumeria rubra*	Kemboja/Red frangipani	17.9	4.9	20	368168	326404

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	183	*Plumeria rubra*	Kemboja/Red frangipani	19.1	3.6	20	368167	326605
A2	184	*Plumeria rubra*	Kemboja/Red frangipani	17.9	4	20	368167	326606
A2	185	*Plumeria rubra*	Kemboja/Red frangipani	23.3	3.5	20	368164	326611
A2	186	*Plumeria rubra*	Kemboja/Red frangipani	11.5	4.3	20	368155	326611
A2	187	*Plumeria rubra*	Kemboja/Red frangipani	15.5	4	20	368166	326610
A2	188	*Plumeria rubra*	Kemboja/Red frangipani	16.4	5.2	20	368166	326608
A2	189	*Plumeria rubra*	Kemboja/Red frangipani	15.9	4.2	20	368168	326610
A2	190	*Bougainvillea* sp.	Bunga kertas	14	3.1	20	368074	326594
A2	191	*Bismarckia nobilis*	Bismarck palm	48.1	8.9	16	368066	326602
A2	192	*Livistona chinensis*	Serdang cina	22.2	3.8	16	368067	326599
A2	193	*Pritchardia pacifica*	Fiji fan palm	10.8	2.9	16	368063	326601
A2	194	*Pisonia grandis*	Moonlight tree	24.7	6.7	16	368055	326561
A2	195	*Livistona chinensis*	Serdang cina	17.1	4.4	16	368059	326565
A2	196	*Wodyetia bifurcata*	Foxtail palm	21.6	6.1	16	368066	326548
A2	197	*Roystonea regia*	Pinang raja	40.9	5.4	16	368060	326530
A2	198	*Roystonea regia*	Pinang raja	50.9	7.4	16	368055	326523
A2	199	*Roystonea regia*	Pinang raja	38.4	5.9	16	368057	326521
A2	200	*Bismarckia nobilis*	Bismarck palm	50.4	7.2	16	368084	326523
A2	201	*Bismarckia nobilis*	Bismarck palm	47.9	8	16	368092	326521
A2	202	*Bismarckia nobilis*	Bismarck palm	46.9	8	16	368102	326514

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	204	*Bismarckia nobilis*	Bismarck palm	54.3	8.1	16	368111	326508
A2	205	*Bismarckia nobilis*	Bismarck palm	46.2	5.4	16	368125	326500
A2	206	*Bismarckia nobilis*	Bismarck palm	49.1	6.4	16	368126	326493
A2	207	*Bismarckia nobilis*	Bismarck palm	39	4.9	16	368120	326498
A2	208	*Bismarckia nobilis*	Bismarck palm	52.7	6.1	16	368114	326502
A2	209	*Bismarckia nobilis*	Bismarck palm	40.6	5.9	16	368106	326506
A2	210	*Bismarckia nobilis*	Bismarck palm	43.7	6.6	16	368100	326510
A2	211	*Bismarckia nobilis*	Bismarck palm	50	6.5	16	368091	326515
A2	212	*Bismarckia nobilis*	Bismarck palm	52.1	8.3	16	368084	326518
A2	213	*Bismarckia nobilis*	Bismarck palm	49	5.5	16	368079	326520
A2	214	*Bismarckia nobilis*	Bismarck palm	46.7	5.7	16	368078	326515
A2	215	*Bismarckia nobilis*	Bismarck palm	54	5.6	16	368086	326509
A2	216	*Bismarckia nobilis*	Bismarck palm	55.7	6.6	16	368091	326507
A2	217	*Bismarckia nobilis*	Bismarck palm	54.1	6.8	16	368099	326502
A2	218	*Bismarckia nobilis*	Bismarck palm	47.5	6	16	368103	326500
A2	219	*Bismarckia nobilis*	Bismarck palm	49.5	6.9	16	368111	326495
A2	220	*Bismarckia nobilis*	Bismarck palm	47	4.7	16	368116	326491
A2	221	*Bismarckia nobilis*	Bismarck palm	51.2	5.9	16	368102	326463
A2	222	*Bismarckia nobilis*	Bismarck palm	46.6	8.1	16	368095	326467
A2	223	*Bismarckia nobilis*	Bismarck palm	48.9	8.5	16	368092	326472

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	224	*Bismarckia nobilis*	Bismarck palm	56.4	7	16	368084	326475
A2	225	*Bismarckia nobilis*	Bismarck palm	55.1	7.4	16	368078	326480
A2	226	*Bismarckia nobilis*	Bismarck palm	41.5	6.1	16	368071	326482
A2	227	*Bismarckia nobilis*	Bismarck palm	45.8	5.9	16	368062	326489
A2	228	*Bismarckia nobilis*	Bismarck palm	47.1	7.5	16	386061	326487
A2	229	*Bismarckia nobilis*	Bismarck palm	53.7	5.9	16	368062	326479
A2	230	*Bismarckia nobilis*	Bismarck palm	41.9	6	16	368069	326476
A2	231	*Bismarckia nobilis*	Bismarck palm	42.9	5.9	16	368076	326471
A2	232	*Bismarckia nobilis*	Bismarck palm	43.6	7.7	16	368081	326466
A2	233	*Bismarckia nobilis*	Bismarck palm	50.3	6.9	16	368088	326463
A2	234	*Bismarckia nobilis*	Bismarck palm	41.7	5.1	16	368093	326462
A2	235	*Bismarckia nobilis*	Bismarck palm	46.2	7.7	16	368095	326452
A2	236	*Bismarckia nobilis*	Bismarck palm	50	6.2	16	368088	326458
A2	237	*Bismarckia nobilis*	Bismarck palm	51.8	7.2	16	368076	326464
A2	238	*Bismarckia nobilis*	Bismarck palm	40.8	8.7	16	368069	326471
A2	239	*Bismarckia nobilis*	Bismarck palm	51.8	5.7	16	368064	326473
A2	240	*Bismarckia nobilis*	Bismarck palm	52.5	6.8	16	368057	326476
A2	241	*Roystonea regia*	Pinang raja	44.5	7.7	20	368041	326508
A2	242	*Wodyetia bifurcata*	Foxtail palm	21.2	7.9	15	368031	326488
A2	243	*Wodyetia bifurcata*	Foxtail palm	22.4	7.9	15	368035	326483

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
A2	244	*Wodyetia bifurcata*	Foxtail palm	23.2	7.8	15	368033	326486
B	1	*Calophyllum inophyllum*	Bintangor laut	34.4	8.2	25	369013	328578
B	2	*Calophyllum inophyllum*	Bintangor laut	22.4	6.6	25	369015	328581
B	3	*Calophyllum inophyllum*	Bintangor laut	56.9	9.2	25	369019	328587
B	4	*Calophyllum inophyllum*	Bintangor laut	36.7	9.3	25	369021	328592
B	5	*Calophyllum inophyllum*	Bintangor laut	57.9	10.9	25	369027	328615
B	6	*Calophyllum inophyllum*	Bintangor laut	26.6	10	25	369035	328623
B	7	*Calophyllum inophyllum*	Bintangor laut	34.8	11.4	25	369034	328626
B	8	*Calophyllum inophyllum*	Bintangor laut	34.5	10.2	25	369041	328630
B	9	*Calophyllum inophyllum*	Bintangor laut	30.6	8.9	25	369047	328641
B	10	*Calophyllum inophyllum*	Bintangor laut	36.2	6.7	25	369053	328648
B	11	*Mangifera indica*	Mangga	35.2	7.9	25	369058	328657
B	12	*Tabebuia rosea*	Pink tecoma	35.2	8.9	25	369061	328589
B	13	*Tabebuia rosea*	Pink tecoma	15.4	7.4	25	369056	328583
B	14	*Veitchia merrillii*	Manila palm	14.2	2.9	25	369046	328579
B	15	*Tabebuia rosea*	Pink tecoma	33	9.3	25	369043	328574
B	16	*Veitchia merrillii*	Manila palm	14.9	2.9	25	369038	328562
B	17	*Veitchia merrillii*	Manila palm	15.9	3	25	369032	328555
B	18	*Veitchia merrillii*	Manila palm	16.2	3.1	25	369030	328556
B	19	*Khaya senegalensis*	Khaya	64.5	15.3	25	369485	329061

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
B	20	*Khaya senegalensis*	Khaya	75.1	18.1	25	369492	329055
B	21	*Khaya senegalensis*	Khaya	56.8	17.1	25	369502	329048
B	22	*Khaya senegalensis*	Khaya	47.6	15.9	25	369513	329037
B	23	*Khaya senegalensis*	Khaya	59.7	18.4	25	369522	329027
B	24	*Khaya senegalensis*	Khaya	48	14.5	25	369572	329019
B	25	*Khaya senegalensis*	Khaya	36.1	8.7	25	369535	329009
B	26	*Khaya senegalensis*	Khaya	49.3	14.3	25	369544	329000
B	27	*Khaya senegalensis*	Khaya	61.1	14	25	369553	328998
B	28	*Khaya senegalensis*	Khaya	48.2	15.1	25	369564	328989
B	29	*Khaya senegalensis*	Khaya	56	13.1	25	369573	328983
B	30	*Khaya senegalensis*	Khaya	58	13.5	25	369581	328974
B	31	*Khaya senegalensis*	Khaya	57.3	17.5	25	369587	328966
B	32	*Khaya senegalensis*	Khaya	45.2	15.4	25	369595	328954
B	33	*Khaya senegalensis*	Khaya	46.9	13.4	25	369606	328591
B	34	*Khaya senegalensis*	Khaya	61.1	18.5	25	369616	328943
B	35	*Khaya senegalensis*	Khaya	41	14	25	369621	328938
B	36	*Khaya senegalensis*	Khaya	61.7	13.7	25	369627	328929
B	37	*Khaya senegalensis*	Khaya	77.7	16.6	25	369644	328912
B	38	*Khaya senegalensis*	Khaya	49.5	14.2	25	369649	328902
B	39	*Khaya senegalensis*	Khaya	60.1	15.1	25	369657	328894

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
B	40	*Khaya senegalensis*	Khaya	79.3	19.8	25	369687	328877
B	41	*Khaya senegalensis*	Khaya	37.9	14	25	369704	328860
B	42	*Khaya senegalensis*	Khaya	65.6	15.6	25	369710	328853
B	43	*Khaya senegalensis*	Khaya	70.4	19.5	25	369713	328842
B	44	*Khaya senegalensis*	Khaya	64	16.8	25	369723	328836
B	45	*Khaya senegalensis*	Khaya	84.2	23	25	369749	328816
B	46	*Khaya senegalensis*	Khaya	105.2	23.5	25	369757	328805
B	47	*Cocos nucifera*	Kelapa	26	5.2	15	369788	328739
B	48	*Khaya senegalensis*	Khaya	47.7	10	25	369801	328764
B	49	*Tabebuia rosea*	Pink tecoma	23.2	6.1	22	369802	328790
B	50	*Tabebuia rosea*	Pink tecoma	30.3	7.7	22	369817	328780
B	51	*Tabebuia rosea*	Pink tecoma	24.6	8.9	22	369825	328731
B	52	*Tabebuia rosea*	Pink tecoma	26.3	8.6	22	369829	328768
B	53	*Acacia auriculiformis*	Akasia	38.3	14.5	8	370229	329220
B	54	*Acacia auriculiformis*	Akasia	25.5	13.1	8	370228	329218
B	55	*Acacia auriculiformis*	Akasia	26.4	14.3	8	370230	329216
B	56	*Acacia auriculiformis*	Akasia	52	10.6	8	370326	329216
B	57	*Acacia auriculiformis*	Akasia	23.5	11.8	8	370243	329208
B	58	*Acacia auriculiformis*	Akasia	26.3	11.6	8	370247	329175
B	59	*Acacia auriculiformis*	Akasia	34.7	12.8	8	370227	329180

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
B	60	*Acacia auriculiformis*	Akasia	48.7	17.7	8	370188	329114
B	61	*Acacia auriculiformis*	Akasia	36.9	16	8	370156	329079
B	62	*Acacia auriculiformis*	Akasia	40.8	17.4	8	370149	329074
B	63	*Peltophorum pterocarpum*	Jemerlang laut	45	15	10	370009	328895
B	64	*Peltophorum pterocarpum*	Jemerlang laut	51.6	11.1	15	370004	328887
B	65	*Peltophorum pterocarpum*	Jemerlang laut	40	9.7	15	369997	328881
B	66	*Peltophorum pterocarpum*	Jemerlang laut	57.2	14.2	15	369990	328874
B	67	*Peltophorum pterocarpum*	Jemerlang laut	42.5	8.8	15	369985	328866
B	68	*Peltophorum pterocarpum*	Jemerlang laut	47.3	12.3	15	369978	328861
B	69	*Peltophorum pterocarpum*	Jemerlang laut	57	11	15	369970	328854
B	70	*Peltophorum pterocarpum*	Jemerlang laut	60.5	12.8	15	369964	328846
B	71	*Peltophorum pterocarpum*	Jemerlang laut	41.2	13.7	15	369955	328838
B	72	*Peltophorum pterocarpum*	Jemerlang laut	43.8	13.4	15	369949	328832
B	73	*Peltophorum pterocarpum*	Jemerlang laut	45.8	9.8	15	369940	328824
B	74	*Peltophorum pterocarpum*	Jemerlang laut	40	9.5	15	369933	328817
B	75	*Peltophorum pterocarpum*	Jemerlang laut	52.8	11.8	15	369926	328808
B	76	*Peltophorum pterocarpum*	Jemerlang laut	67.3	10.5	15	369920	328804
B	77	*Peltophorum pterocarpum*	Jemerlang laut	74.4	12.6	15	369913	328794
B	78	*Peltophorum pterocarpum*	Jemerlang laut	55	11.9	15	369970	328787
B	79	*Peltophorum pterocarpum*	Jemerlang laut	47	11.5	15	369899	328780

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
B	80	*Peltophorum pterocarpum*	Jemerlang laut	60.5	13.6	15	369892	328773
B	81	*Peltophorum pterocarpum*	Jemerlang laut	54	4.2	15	369884	328765
B	82	*Peltophorum pterocarpum*	Jemerlang laut	66	13.2	15	369878	328757
B	83	*Peltophorum pterocarpum*	Jemerlang laut	60.1	13.8	15	369869	328750
B	84	*Peltophorum pterocarpum*	Jemerlang laut	39.9	8.4	15	369860	328743
B	85	*Albizia saman*	Hujan-hujan	63.5	9.5	26	369840	328720
B	86	*Albizia saman*	Hujan-hujan	79.5	13	26	369834	328714
B	87	*Albizia saman*	Hujan-hujan	50.4	11	26	369815	328691
B	88	*Albizia saman*	Hujan-hujan	69.2	13.3	26	369807	328684
B	89	*Albizia saman*	Hujan-hujan	48.5	11.3	26	369801	328676
B	90	*Albizia saman*	Hujan-hujan	89.8	11.5	26	369792	328668
B	91	*Albizia saman*	Hujan-hujan	69.8	12	26	369781	328655
B	92	*Elaeis guineensis*	Kelapa sawit	59.7	2	6	369507	328812
B	93	*Elaeis guineensis*	Kelapa sawit	67.3	1.5	6	369327	328412
B	94	*Syzygium grande*	Kelat jambu laut	37.8	11	6	369335	328219
B	95	*Acacia auriculiformis*	Akasia	28.3	11.7	6	369342	328202
B	96	*Syzygium grande*	Kelat jambu laut	62.3	16	6	369352	328183
B	97	*Elaeis guineensis*	Kelapa sawit	45.5	1.4	6	369348	328189
B	98	*Syzygium grande*	Kelat jambu laut	49.4	13.3	6	369333	328178
B	99	*Syzygium grande*	Kelat jambu laut	38.2	9.7	6	369324	328180

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
B	100	*Mangifera indica*	Mangga	31.6	7.6	6	369309	328209
B	101	*Mangifera indica*	Mangga	33.3	8.8	6	369308	328294
B	102	*Elaeis guineensis*	Kelapa sawit	54	4.6	6	369307	328571
B	103	*Elaeis guineensis*	Kelapa sawit	48	4.1	6	369300	328582
B	104	*Veitchia merrillii*	Manila palm	11.8	3.5	25	369329	328511
B	105	*Veitchia merrillii*	Manila palm	12	3.2	25	369295	328570
B	106	*Veitchia merrillii*	Manila palm	12.7	3.3	25	369271	328595
B	107	*Veitchia merrillii*	Manila palm	11.2	3.1	25	369264	328605
B	108	*Veitchia merrillii*	Manila palm	12.3	3	25	369248	328622
B	109	*Veitchia merrillii*	Manila palm	14.7	3.5	25	369234	328635
B	110	*Veitchia merrillii*	Manila palm	14.8	3.4	25	369232	328639
B	111	*Veitchia merrillii*	Manila palm	14.9	4.1	25	369228	328642
B	112	*Veitchia merrillii*	Manila palm	14.5	3.5	25	369222	328645
B	113	*Veitchia merrillii*	Manila palm	13.7	3.5	25	369219	328649
B	114	*Veitchia merrillii*	Manila palm	12.6	3.1	25	369217	328653
B	115	*Veitchia merrillii*	Manila palm	14	3.5	25	329207	328662
B	116	*Veitchia merrillii*	Manila palm	15.3	3.4	25	369201	328669
B	117	*Veitchia merrillii*	Manila palm	13	2.8	25	369135	328687
B	118	*Veitchia merrillii*	Manila palm	10.9	11	25	369441	328264
B	119	*Veitchia merrillii*	Manila palm	14.4	5.3	25	369442	328269

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
B	120	*Veitchia merrillii*	Manila palm	10.8	8.9	25	369443	328273
B	121	*Veitchia merrillii*	Manila palm	11.1	2.6	25	369442	328275
B	122	*Veitchia merrillii*	Manila palm	13.6	4.2	25	369442	328277
B	123	*Veitchia merrillii*	Manila palm	15.3	3.8	25	369431	328294
B	124	*Veitchia merrillii*	Manila palm	14.8	3.1	25	369424	328303
B	125	*Veitchia merrillii*	Manila palm	15.6	3.7	25	369422	328309
B	126	*Veitchia merrillii*	Manila palm	13.7	3.9	25	369418	328314
B	127	*Veitchia merrillii*	Manila palm	13.8	4	25	369417	328316
B	128	*Veitchia merrillii*	Manila palm	16.3	3.9	25	369412	328321
B	129	*Veitchia merrillii*	Manila palm	14.8	4.4	25	369409	328324
B	130	*Veitchia merrillii*	Manila palm	15.3	5.6	25	369409	328324
C	1	*Cocos nucifera*	Kelapa	17.8	5.7	26	368785	328227
C	2	*Cocos nucifera*	Kelapa	17.4	6.3	26	368776	328212
C	3	*Cocos nucifera*	Kelapa	21.9	9.3	26	368769	328200
C	4	*Cocos nucifera*	Kelapa	20.6	7	26	368757	328188
C	5	*Cocos nucifera*	Kelapa	18.7	6.2	26	368745	328174
C	6	*Cocos nucifera*	Kelapa	19.8	5.7	26	368739	328164
C	7	*Cocos nucifera*	Kelapa	21.8	6	26	368730	328155
C	8	*Cocos nucifera*	Kelapa	17.4	6.9	26	368711	328130
C	9	*Cocos nucifera*	Kelapa	17.5	5.7	26	368701	328118

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	10	*Cocos nucifera*	Kelapa	20	5.4	26	368688	328108
C	11	*Cocos nucifera*	Kelapa	16.3	5.5	26	368680	328096
C	12	*Cocos nucifera*	Kelapa	17.9	5.9	26	368671	328086
C	13	*Cocos nucifera*	Kelapa	23.7	6.5	26	368665	328071
C	14	*Cocos nucifera*	Kelapa	20.2	5.2	26	368653	328061
C	15	*Cocos nucifera*	Kelapa	20.2	6.5	26	368653	328063
C	16	*Cocos nucifera*	Kelapa	20.5	5	26	368644	328051
C	17	*Cocos nucifera*	Kelapa	21.4	5.5	26	368635	328039
C	18	*Cocos nucifera*	Kelapa	20.7	5.5	26	368624	328027
C	19	*Cocos nucifera*	Kelapa	15.7	5.4	26	368614	328012
C	20	*Cocos nucifera*	Kelapa	21	7.2	26	368595	327991
C	21	*Cocos nucifera*	Kelapa	17.6	5.5	26	368584	327979
C	22	*Cocos nucifera*	Kelapa	22	6.6	26	368568	327953
C	23	*Cocos nucifera*	Kelapa	20	5.7	26	368560	327938
C	24	*Cocos nucifera*	Kelapa	20.2	6.5	26	368556	327925
C	25	*Cocos nucifera*	Kelapa	18.2	6	26	368544	327917
C	26	*Elaeis guineensis*	Kelapa sawit	60.5	3.7	26	368539	327905
C	27	*Cocos nucifera*	Kelapa	21.5	5.2	26	368540	327901
C	28	*Cocos nucifera*	Kelapa	18	5.6	26	368530	327891
C	29	*Cocos nucifera*	Kelapa	15.4	4.6	26	368515	327867

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	30	*Cocos nucifera*	Kelapa	21.9	6.3	26	368505	327584
C	31	*Cocos nucifera*	Kelapa	22.8	6.8	26	368497	327841
C	32	*Cocos nucifera*	Kelapa	19.7	7.3	26	368492	327827
C	33	*Cocos nucifera*	Kelapa	18	5.9	26	368484	327817
C	34	*Cocos nucifera*	Kelapa	19.6	6.3	26	368477	327804
C	35	*Cocos nucifera*	Kelapa	15.8	4.8	26	368468	327793
C	36	*Cocos nucifera*	Kelapa	18.4	3.4	26	368460	327780
C	37	*Cocos nucifera*	Kelapa	19	7.1	26	368454	327769
C	38	*Cocos nucifera*	Kelapa	21.3	6.8	26	368446	327757
C	39	*Cocos nucifera*	Kelapa	21	6.2	26	368437	327744
C	40	*Cocos nucifera*	Kelapa	22	6.5	26	368431	327731
C	41	*Cocos nucifera*	Kelapa	18.8	4.8	26	368422	327718
C	42	*Cocos nucifera*	Kelapa	20.3	6.3	26	368417	327701
C	43	*Cocos nucifera*	Kelapa	22	6.4	26	368405	327687
C	44	*Cocos nucifera*	Kelapa	19.7	6.3	26	368389	327662
C	45	*Cocos nucifera*	Kelapa	22.2	7.3	26	368383	327650
C	46	*Cocos nucifera*	Kelapa	16.5	6	26	368374	327638
C	47	*Cocos nucifera*	Kelapa	22.9	7.5	26	368367	327626
C	48	*Cocos nucifera*	Kelapa	17.5	5.8	26	368357	327614
C	49	*Cocos nucifera*	Kelapa	18.8	6.8	26	368351	327599

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	50	*Cocos nucifera*	Kelapa	18.5	6.7	26	368345	327587
C	51	*Cocos nucifera*	Kelapa	17	5.8	26	368327	327561
C	52	*Cocos nucifera*	Kelapa	16.3	7.2	26	368320	327550
C	53	*Cocos nucifera*	Kelapa	19.2	5.6	26	368303	327519
C	54	*Cocos nucifera*	Kelapa	18.1	4.9	26	368296	327505
C	55	*Cocos nucifera*	Kelapa	20.5	7.8	26	368289	327492
C	56	*Cocos nucifera*	Kelapa	23.1	6.3	26	368279	327480
C	57	*Cocos nucifera*	Kelapa	16.8	6	26	368271	327459
C	58	*Delonix regia*	Semarak api	46.1	10.8	26	368241	327431
C	59	*Delonix regia*	Semarak api	26.8	4	26	368322	327431
C	60	*Delonix regia*	Semarak api	52.8	9.3	26	368244	327424
C	61	*Delonix regia*	Semarak api	31.1	7.6	26	368236	327414
C	62	*Delonix regia*	Semarak api	38.9	7.1	26	368232	327410
C	63	*Delonix regia*	Semarak api	19.5	7.6	26	368228	327401
C	64	*Delonix regia*	Semarak api	31.5	6.6	26	368222	327359
C	65	*Delonix regia*	Semarak api	34.6	6.2	26	368215	327374
C	66	*Elaeis guineensis*	Kelapa sawit	60.5	4.2	26	368210	327372
C	67	*Delonix regia*	Semarak api	26	6.2	26	368207	327364
C	68	*Delonix regia*	Semarak api	33.8	5.8	26	368202	327359
C	69	*Delonix regia*	Semarak api	23.2	5.2	26	368600	327352

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	70	*Delonix regia*	Semarak api	33.5	6.6	26	368198	327347
C	71	*Delonix regia*	Semarak api	22.5	5.5	26	368193	327340
C	72	*Cocos nucifera*	Kelapa	25.5	3.2	26	368184	327336
C	73	*Delonix regia*	Semarak api	34.5	5.8	26	368187	327334
C	74	*Cocos nucifera*	Kelapa	25.5	3.7	26	368184	327330
C	75	*Elaeis guineensis*	Kelapa sawit	70.3	3.1	26	368179	327322
C	76	*Delonix regia*	Semarak api	21.2	5.8	26	368181	327320
C	77	*Elaeis guineensis*	Kelapa sawit	70.6	2.7	26	368172	327314
C	78	*Delonix regia*	Semarak api	37.7	7.1	26	368172	327312
C	79	*Elaeis guineensis*	Kelapa sawit	68.3	3	26	368168	327305
C	80	*Delonix regia*	Semarak api	34	8.1	26	368162	327298
C	81	*Delonix regia*	Semarak api	53	8.8	26	368148	327267
C	82	*Delonix regia*	Semarak api	27.7	7.5	26	368144	327259
C	83	*Delonix regia*	Semarak api	28	6.4	26	368141	327253
C	84	*Delonix regia*	Semarak api	30.5	6	26	368136	327246
C	85	*Delonix regia*	Semarak api	31.4	7.9	26	368133	327243
C	86	*Delonix regia*	Semarak api	53.3	9.5	26	368133	327239
C	87	*Delonix regia*	Semarak api	32.7	6.2	26	368124	327226
C	88	*Delonix regia*	Semarak api	40.9	7.9	26	368119	327219
C	89	*Delonix regia*	Semarak api	27.4	7.4	26	368115	327212

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	90	*Delonix regia*	Semarak api	27.5	5.4	26	368107	327200
C	91	*Delonix regia*	Semarak api	34.4	6.5	26	368094	327178
C	92	*Delonix regia*	Semarak api	25.7	5.6	26	368092	327175
C	93	*Delonix regia*	Semarak api	58.4	10.2	26	368088	327166
C	94	*Peltophorum pterocarpum*	Jemerlang laut	22.9	5.6	26	368084	327156
C	95	*Delonix regia*	Semarak api	23.9	6.3	26	368067	327152
C	96	*Delonix regia*	Semarak api	29.5	6.6	26	368073	327148
C	97	*Delonix regia*	Semarak api	26.9	6.6	26	368068	327138
C	98	*Delonix regia*	Semarak api	32.9	7.7	26	368064	327129
C	99	*Delonix regia*	Semarak api	43	7.8	26	368059	327126
C	100	*Delonix regia*	Semarak api	15.5	8.1	26	368077	327122
C	101	*Delonix regia*	Semarak api	36.2	6.9	26	367801	326573
C	102	*Delonix regia*	Semarak api	36.2	6.5	26	367803	326590
C	103	*Peltophorum pterocarpum*	Jemerlang laut	53.5	11	26	367820	326654
C	104	*Peltophorum pterocarpum*	Jemerlang laut	53.7	11.8	26	367852	326694
C	105	*Cassia fistula*	Golden shower	18.5	8.1	26	367859	326725
C	106	*Delonix regia*	Semarak api	38.2	8.3	26	368045	327091
C	107	*Delonix regia*	Semarak api	42.7	8.5	26	368039	327085
C	108	*Delonix regia*	Semarak api	32.5	5.5	26	368030	327033
C	109	*Artocarpus heterophyllus*	Nangka	12.5	5.1	26	368019	327052

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	110	*Delonix regia*	Semarak api	32.5	6.8	26	368014	327040
C	111	*Delonix regia*	Semarak api	39.5	7.3	26	368009	327033
C	112	*Delonix regia*	Semarak api	42.3	7.2	26	367993	327015
C	113	*Delonix regia*	Semarak api	39.4	7.5	26	367990	327007
C	114	*Delonix regia*	Semarak api	44.2	6.5	26	367981	326996
C	115	*Delonix regia*	Semarak api	37	7.8	26	367972	326981
C	116	*Delonix regia*	Semarak api	29.4	6.7	26	367968	326974
C	117	*Delonix regia*	Semarak api	40.2	9.8	26	367960	326964
C	118	*Cocos nucifera*	Kelapa	28.1	5.4	26	367957	326953
C	119	*Cocos nucifera*	Kelapa	23.3	3.7	26	367956	326946
C	120	*Cocos nucifera*	Kelapa	23.7	4.3	26	367851	326940
C	121	*Delonix regia*	Semarak api	42.8	7.4	26	367937	326926
C	122	*Delonix regia*	Semarak api	36.1	6.2	26	367932	326920
C	123	*Delonix regia*	Semarak api	24.2	7.5	26	367928	326913
C	124	*Delonix regia*	Semarak api	44.4	7.7	26	367924	326907
C	125	*Delonix regia*	Semarak api	36.7	6.6	26	367913	326892
C	126	*Delonix regia*	Semarak api	42.5	6	26	367908	326888
C	127	*Delonix regia*	Semarak api	30.2	6.4	26	367899	326872
C	128	*Delonix regia*	Semarak api	34.7	7.1	26	367896	326866
C	129	*Delonix regia*	Semarak api	40.8	8.6	26	367891	326862

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	130	*Delonix regia*	Semarak api	27	6.9	26	367889	326855
C	131	*Delonix regia*	Semarak api	48	9.6	26	367882	326849
C	132	*Delonix regia*	Semarak api	45.7	8.4	26	367879	326840
C	133	*Delonix regia*	Semarak api	37	8.3	26	367875	326831
C	134	*Delonix regia*	Semarak api	42	8	26	367872	326823
C	135	*Delonix regia*	Semarak api	29.3	6.5	26	367867	326815
C	136	*Delonix regia*	Semarak api	40.6	7.7	26	367865	326815
C	137	*Delonix regia*	Semarak api	40	7.6	26	367861	326807
C	138	*Delonix regia*	Semarak api	37	6.4	26	367856	326793
C	139	*Delonix regia*	Semarak api	41.7	6.6	26	367851	326788
C	140	*Delonix regia*	Semarak api	31.8	6.6	26	367839	326772
C	141	*Delonix regia*	Semarak api	41.7	7.3	26	367839	326775
C	142	*Delonix regia*	Semarak api	35.3	7.5	26	367833	326791
C	143	*Delonix regia*	Semarak api	44.5	7.5	26	367830	327654
C	144	*Delonix regia*	Semarak api	48.8	8.3	26	367825	326746
C	145	*Delonix regia*	Semarak api	40.8	8	26	367817	327737
C	146	*Delonix regia*	Semarak api	46.3	10.9	26	367816	327730
C	147	*Delonix regia*	Semarak api	40.7	8.4	26	367810	327723
C	148	*Delonix regia*	Semarak api	51.8	8.6	26	367810	327721
C	149	*Delonix regia*	Semarak api	31.5	6.6	26	367803	327710

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	150	*Delonix regia*	Semarak api	33.9	7.3	26	367802	327704
C	151	*Delonix regia*	Semarak api	40.4	7.7	26	367798	326699
C	152	*Delonix regia*	Semarak api	42	7.8	26	367794	326692
C	153	*Delonix regia*	Semarak api	38.9	6.6	26	367788	326684
C	154	*Delonix regia*	Semarak api	34.5	7.8	26	367785	326676
C	155	*Delonix regia*	Semarak api	41	7.2	26	367780	326672
C	156	*Delonix regia*	Semarak api	42.5	7.6	26	367736	326665
C	157	*Delonix regia*	Semarak api	30.5	7.9	26	367773	326660
C	158	*Delonix regia*	Semarak api	31.5	7.8	26	367769	326653
C	159	*Delonix regia*	Semarak api	27.4	7.2	26	367765	326646
C	160	*Delonix regia*	Semarak api	40.8	7.2	26	367759	326640
C	161	*Delonix regia*	Semarak api	35	8.6	26	367754	326631
C	162	*Delonix regia*	Semarak api	31	7.3	26	367751	326624
C	163	*Delonix regia*	Semarak api	33.3	6.5	26	367746	326617
C	164	*Delonix regia*	Semarak api	26.5	5.4	26	367737	326601
C	165	*Delonix regia*	Semarak api	28.5	4.9	26	367732	326594
C	166	*Delonix regia*	Semarak api	34.5	7.3	26	367729	326586
C	167	*Delonix regia*	Semarak api	42.2	6.9	26	367524	326580
C	168	*Delonix regia*	Semarak api	26.3	5.5	26	367719	326573
C	169	*Delonix regia*	Semarak api	31	5.1	26	367716	326567

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	170	*Delonix regia*	Semarak api	34.2	6.5	26	367712	326561
C	171	*Delonix regia*	Semarak api	36	6.1	26	326709	326554
C	172	*Delonix regia*	Semarak api	29.6	6.9	26	367705	326547
C	173	*Delonix regia*	Semarak api	36.7	6.7	26	367700	326542
C	174	*Delonix regia*	Semarak api	27.4	6.3	26	367696	326534
C	175	*Delonix regia*	Semarak api	33.3	6.4	26	367691	326528
C	176	*Delonix regia*	Semarak api	28.1	6.9	26	367688	326518
C	177	*Delonix regia*	Semarak api	30.5	5.9	26	367683	326511
C	178	*Delonix regia*	Semarak api	37.6	7.6	26	367678	326506
C	179	*Delonix regia*	Semarak api	28.2	6.1	26	367676	326500
C	180	*Delonix regia*	Semarak api	28.6	7	26	367672	326494
C	181	*Delonix regia*	Semarak api	36.5	6.8	26	367666	326486
C	182	*Delonix regia*	Semarak api	32.8	7.1	26	367663	326479
C	183	*Delonix regia*	Semarak api	52.5	9	26	367660	326465
C	184	*Delonix regia*	Semarak api	31.3	5.9	26	367654	326457
C	185	*Delonix regia*	Semarak api	33.9	5.7	26	367654	326457
C	186	*Delonix regia*	Semarak api	32.9	7.3	26	367632	326423
C	187	*Azadirachta indica*	Semambu	12.8	7.1	26	367622	326408
C	188	*Artocarpus heterophyllus*	Nangka	16.7	6.9	26	367621	326400
C	189	*Moringa oleifera*	Murungakkai	12.4	6.2	26	367616	326400

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	190	*Azadirachta indica*	Semambu	43.2	9.6	26	367617	326389
C	191	*Delonix regia*	Semarak api	30.3	6.3	26	367608	326375
C	192	*Delonix regia*	Semarak api	31.5	7.3	26	367600	326369
C	193	*Delonix regia*	Semarak api	32.4	5.3	26	367601	326360
C	194	*Azadirachta indica*	Semambu	33.4	8.6	26	367597	326352
C	195	*Delonix regia*	Semarak api	30.6	6.3	26	367593	326347
C	196	*Delonix regia*	Semarak api	31.3	6.9	26	367591	326340
C	197	*Delonix regia*	Semarak api	41.3	8.6	26	367576	326317
C	198	*Delonix regia*	Semarak api	35.3	7	26	367564	326290
C	199	*Delonix regia*	Semarak api	45.4	6.1	26	367544	326253
C	200	*Delonix regia*	Semarak api	35.4	4.7	26	367535	326240
C	201	*Delonix regia*	Semarak api	26.8	5.2	26	367534	326231
C	202	*Delonix regia*	Semarak api	37	7	26	367528	326229
C	203	*Delonix regia*	Semarak api	32	6.2	26	367525	326222
C	204	*Delonix regia*	Semarak api	35.6	5.1	26	367521	326213
C	205	*Delonix regia*	Semarak api	32.8	6.2	26	367517	326207
C	206	*Delonix regia*	Semarak api	31.4	6.2	26	367510	326200
C	207	*Delonix regia*	Semarak api	26.2	5.5	26	367504	326187
C	208	*Peltophorum pterocarpum*	Jemerlang laut	69.3	12.6	26	367507	326179
C	209	*Delonix regia*	Semarak api	28	6.6	26	367501	326177

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	210	*Delonix regia*	Semarak api	32.4	5.5	26	367496	326173
C	211	*Delonix regia*	Semarak api	34.7	7.1	26	367492	326162
C	212	*Delonix regia*	Semarak api	20.7	6.4	26	367487	326159
C	213	*Delonix regia*	Semarak api	50.2	4.8	26	367487	326154
C	214	*Delonix regia*	Semarak api	35.2	6.4	26	367486	326145
C	215	*Delonix regia*	Semarak api	25.1	4.8	26	367480	326136
C	216	*Delonix regia*	Semarak api	27.1	4.9	26	367477	326129
C	217	*Delonix regia*	Semarak api	40.8	8.4	26	367472	326126
C	218	*Delonix regia*	Semarak api	14.8	3.9	26	367465	326125
C	219	*Delonix regia*	Semarak api	41.9	7.8	26	367465	326122
C	220	*Delonix regia*	Semarak api	33.8	7.7	26	367461	326112
C	221	*Hura crepitans*	Payung indonesia	34.8	10.9	26	367460	326109
C	222	*Ficus benghalensis*	Ara tandok	53	8.1	26	367457	326101
C	223	*Delonix regia*	Semarak api	17.7	7.8	26	367450	326094
C	224	*Delonix regia*	Semarak api	25.1	5.1	26	367465	326097
C	225	*Cycas revoluta*	Sago palm	41.8	2.3	26	367477	326092
C	226	*Cycas revoluta*	Sago palm	27.9	2.5	26	367471	326094
C	227	*Couroupita guianensis*	Cannonball	20.6	7.7	26	367459	326069
C	228	*Delonix regia*	Semarak api	12.2	3.3	26	367450	326074
C	229	*Azadirachta indica*	Semambu	56.5	14.4	26	367433	326081

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	230	*Azadirachta indica*	Semambu	16.5	6.9	26	367429	326080
C	231	*Couroupita guianensis*	Cannonball	20.4	5.8	26	367434	326062
C	232	*Cocos nucifera*	Kelapa	42	12.5	26	367426	326056
C	233	*Cocos nucifera*	Kelapa	25.2	7.7	26	367423	326047
C	234	*Cocos nucifera*	Kelapa	21.2	3.7	26	367427	326045
C	235	*Cocos nucifera*	Kelapa	26.9	4.6	26	367426	326043
C	236	*Cocos nucifera*	Kelapa	30.2	5.4	26	367423	326044
C	237	*Cocos nucifera*	Kelapa	25	5.7	26	367419	326047
C	238	*Cocos nucifera*	Kelapa	20.5	4.6	26	367422	326049
C	239	*Mangifera indica*	Mangga	28	8.1	26	367422	326035
C	240	*Azadirachta indica*	Semambu	21	5.8	26	367419	326029
C	241	*Mangifera indica*	Mangga	17.5	7.8	26	367419	326039
C	242	*Mangifera indica*	Mangga	20.8	8.6	26	367419	326041
C	243	*Veitchia merrillii*	Manila palm	15.2	3.1	26	367431	325977
C	244	*Veitchia merrillii*	Manila palm	15.8	4.5	26	367415	325985
C	245	*Delonix regia*	Semarak api	35.2	5.8	26	367536	325456
C	246	*Cassia fistula*	Golden shower	23.5	11.2	26	367341	325889
C	247	*Delonix regia*	Semarak api	37.4	7.8	26	367331	325882
C	248	*Delonix regia*	Semarak api	39.2	7	26	367331	325685
C	249	*Delonix regia*	Semarak api	33.7	6.3	26	367331	325867

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	250	*Delonix regia*	Semarak api	21.2	5.4	26	367323	325856
C	251	*Delonix regia*	Semarak api	35.5	6.1	26	367313	325851
C	252	*Delonix regia*	Semarak api	29.9	5.1	26	367313	325843
C	253	*Delonix regia*	Semarak api	29.4	5.6	26	367305	325829
C	254	*Delonix regia*	Semarak api	25	6.3	26	367299	325828
C	255	*Delonix regia*	Semarak api	31.2	6.3	26	367291	325823
C	256	*Delonix regia*	Semarak api	21.4	5.5	26	367288	325806
C	257	*Delonix regia*	Semarak api	24.2	5.4	26	367287	325797
C	258	*Delonix regia*	Semarak api	32.7	7	26	367289	325788
C	259	*Delonix regia*	Semarak api	37.2	4.6	26	367287	325777
C	260	*Delonix regia*	Semarak api	19.8	4.2	26	367282	325774
C	261	*Delonix regia*	Semarak api	13.3	3.9	26	367277	325770
C	262	*Delonix regia*	Semarak api	32.5	5.3	26	367273	325763
C	263	*Delonix regia*	Semarak api	21.1	4.2	26	367245	325704
C	264	*Delonix regia*	Semarak api	30.1	6.2	26	367241	325695
C	265	*Delonix regia*	Semarak api	37.5	6.2	26	367239	325687
C	266	*Delonix regia*	Semarak api	26.7	7.1	26	367230	325682
C	267	*Delonix regia*	Semarak api	24.4	4.2	26	367223	325681
C	268	*Delonix regia*	Semarak api	22.1	5.5	26	367218	325672
C	269	*Delonix regia*	Semarak api	26.8	5.4	26	367220	325667

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	270	*Delonix regia*	Semarak api	20.3	5.6	26	367216	325661
C	271	*Delonix regia*	Semarak api	31.7	5.6	26	367203	325648
C	272	*Delonix regia*	Semarak api	32.8	6.4	26	367193	325633
C	273	*Delonix regia*	Semarak api	23.5	5.1	26	367191	325627
C	274	*Peltophorum pterocarpum*	Jemerlang laut	55.5	12.2	26	367179	325613
C	275	*Peltophorum pterocarpum*	Jemerlang laut	27	9.5	26	367179	325605
C	276	*Peltophorum pterocarpum*	Jemerlang laut	31.8	11.4	26	367181	325604
C	277	*Peltophorum pterocarpum*	Jemerlang laut	36.1	10	26	367168	325600
C	278	*Peltophorum pterocarpum*	Jemerlang laut	32.6	10.1	26	367175	325593
C	279	*Delonix regia*	Semarak api	45.5	8.1	26	367159	325565
C	280	*Delonix regia*	Semarak api	22.2	6.2	26	367147	325549
C	281	*Delonix regia*	Semarak api	50.6	6.2	26	367143	325542
C	282	*Delonix regia*	Semarak api	25.3	5.2	26	367132	325535
C	283	*Delonix regia*	Semarak api	31.8	7.1	26	367135	325527
C	284	*Delonix regia*	Semarak api	11.4	3.5	26	367133	325520
C	285	*Delonix regia*	Semarak api	23.4	7.1	26	367126	325518
C	286	*Delonix regia*	Semarak api	27.9	7.1	26	367120	325511
C	287	*Delonix regia*	Semarak api	17.7	5.1	26	367119	325503
C	288	*Delonix regia*	Semarak api	31.4	7	26	367113	325497
C	289	*Delonix regia*	Semarak api	27.3	8	26	367109	325493

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	290	*Delonix regia*	Semarak api	27.5	5.2	26	367107	325481
C	291	*Delonix regia*	Semarak api	23.9	6.8	26	367104	325471
C	292	*Delonix regia*	Semarak api	29.9	7.1	26	367100	325466
C	293	*Delonix regia*	Semarak api	27.3	8	26	367096	325464
C	294	*Delonix regia*	Semarak api	31.3	7.3	26	367093	325453
C	295	*Delonix regia*	Semarak api	21.8	8.4	26	367083	325450
C	296	*Delonix regia*	Semarak api	29.3	6.8	26	367081	325442
C	297	*Delonix regia*	Semarak api	18.7	5.4	26	367076	325436
C	298	*Delonix regia*	Semarak api	31.2	6.8	26	367073	325426
C	299	*Anacardium occidentale*	Gajus	32.3	7.9	26	367061	325390
C	300	*Cocos nucifera*	Kelapa	2.9	7.2	20	367041	325374
C	301	*Delonix regia*	Semarak api	25.9	7	20	367045	325369
C	302	*Delonix regia*	Semarak api	30.9	6.3	20	367042	325358
C	303	*Delonix regia*	Semarak api	25.8	5.5	20	367039	325350
C	304	*Delonix regia*	Semarak api	31	6.3	20	367035	325346
C	305	*Delonix regia*	Semarak api	28.6	6.2	20	367030	325337
C	306	*Delonix regia*	Semarak api	20	5	20	367024	325332
C	307	*Delonix regia*	Semarak api	33.2	6.3	20	367021	325325
C	308	*Delonix regia*	Semarak api	39.8	5.2	20	367018	325317
C	309	*Delonix regia*	Semarak api	23	6.5	20	367002	325298

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	310	*Delonix regia*	Semarak api	30.4	6.7	20	367001	325292
C	311	*Delonix regia*	Semarak api	27.7	8.1	20	366997	325282
C	312	*Delonix regia*	Semarak api	31.5	7.9	20	366988	325572
C	313	*Delonix regia*	Semarak api	27	5.9	20	366984	325265
C	314	*Delonix regia*	Semarak api	24.7	5.9	20	366978	325260
C	315	*Delonix regia*	Semarak api	29.2	5.3	20	366975	325252
C	316	*Delonix regia*	Semarak api	24.2	5.1	20	366960	325219
C	317	*Delonix regia*	Semarak api	29.3	6.6	20	366956	325213
C	318	*Delonix regia*	Semarak api	28.7	5.8	20	366953	325204
C	319	*Delonix regia*	Semarak api	20.2	5.1	20	366949	325196
C	320	*Delonix regia*	Semarak api	31	5.7	20	366942	325193
C	321	*Delonix regia*	Semarak api	29	6.1	20	366942	325185
C	322	*Delonix regia*	Semarak api	23	7.3	20	366937	325176
C	323	*Delonix regia*	Semarak api	30	7.2	20	366931	325172
C	324	*Delonix regia*	Semarak api	12.4	6.9	20	366924	325158
C	325	*Delonix regia*	Semarak api	26.2	5.9	20	366920	325151
C	326	*Delonix regia*	Semarak api	38.5	7.5	20	366916	325143
C	327	*Delonix regia*	Semarak api	29.6	6	20	366907	325133
C	328	*Delonix regia*	Semarak api	16.7	5	20	366905	325124
C	329	*Delonix regia*	Semarak api	18	6	20	366905	325113

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	330	*Delonix regia*	Semarak api	22.4	6.7	20	366900	325107
C	331	*Delonix regia*	Semarak api	34.7	7.5	20	366986	325102
C	332	*Delonix regia*	Semarak api	27.9	6.4	20	366893	325094
C	333	*Delonix regia*	Semarak api	22.3	6.2	20	366887	325088
C	334	*Delonix regia*	Semarak api	23.3	6.9	20	366884	325081
C	335	*Delonix regia*	Semarak api	27.5	6	20	366877	325076
C	336	*Delonix regia*	Semarak api	18	5.5	20	366851	325057
C	337	*Delonix regia*	Semarak api	26.5	6.2	20	366844	325049
C	338	*Delonix regia*	Semarak api	23.3	5	20	366840	325041
C	339	*Delonix regia*	Semarak api	20.2	4.9	20	366837	325034
C	340	*Delonix regia*	Semarak api	25	5.2	20	366833	325028
C	341	*Delonix regia*	Semarak api	24.3	7.1	20	366827	325021
C	342	*Delonix regia*	Semarak api	22.3	6.1	20	366823	325015
C	343	*Delonix regia*	Semarak api	29.3	5.3	20	366818	325010
C	344	*Delonix regia*	Semarak api	17.1	4.3	20	366814	325002
C	345	*Delonix regia*	Semarak api	24.5	5.8	20	366806	324999
C	346	*Delonix regia*	Semarak api	24.9	4.8	20	366810	324992
C	347	*Delonix regia*	Semarak api	18.3	5.2	20	366803	324985
C	348	*Delonix regia*	Semarak api	23.8	5.6	20	366796	324976
C	349	*Delonix regia*	Semarak api	22.3	5.5	20	366785	325957

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	350	*Delonix regia*	Semarak api	20.3	6	20	366783	324949
C	351	*Delonix regia*	Semarak api	24.5	6.1	20	366780	324945
C	352	*Delonix regia*	Semarak api	14.7	4.1	20	366775	324925
C	353	*Peltophorum pterocarpum*	Jemerlang laut	62.2	12	20	366773	324923
C	354	*Delonix regia*	Semarak api	20.6	5.1	20	366771	324918
C	355	*Azadirachta indica*	Semambu	23.5	8.5	20	366734	324852
C	356	*Tabebuia rosea*	Pink tecoma	40	12.6	20	366738	324850
C	357	*Mangifera indica*	Mangga	21.9	8.7	20	366737	324850
C	358	*Tabebuia rosea*	Pink tecoma	21.6	8.8	20	366737	324850
C	359	*Mangifera indica*	Mangga	18.2	5.5	20	366744	324835
C	360	*Xanthostemon chrysanthus*	Golden penda	19.3	6.9	20	366737	324818
C	361	*Tabebuia rosea*	Pink tecoma	21.4	6.7	20	366727	324806
C	362	*Xanthostemon chrysanthus*	Golden penda	17.8	7	20	366727	324802
C	363	*Tabebuia rosea*	Pink tecoma	21.9	8.3	20	366723	324800
C	364	*Xanthostemon chrysanthus*	Golden penda	18.5	6.8	20	366723	324795
C	365	*Tabebuia rosea*	Pink tecoma	32.7	12	20	366718	324794
C	366	*Xanthostemon chrysanthus*	Golden penda	21	6.4	20	366718	324785
C	367	*Tabebuia rosea*	Pink tecoma	20.2	5.7	20	366712	324783
C	368	*Xanthostemon chrysanthus*	Golden penda	15	5.9	20	366713	324777
C	369	*Tabebuia rosea*	Pink tecoma	13.7	7.8	20	366705	324774

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	370	*Tabebuia rosea*	Pink tecoma	17.3	4.8	20	366694	324775
C	371	*Tabebuia rosea*	Pink tecoma	14.3	4.8	20	366722	324825
C	372	*Tabebuia rosea*	Pink tecoma	22.5	5	20	366704	324802
C	373	*Tabebuia rosea*	Pink tecoma	25.5	6.9	20	366684	324781
C	374	*Roystonea regia*	Pinang raja	28	6.2	20	366700	324761
C	375	*Roystonea regia*	Pinang raja	41	6	20	366694	324757
C	376	*Roystonea regia*	Pinang raja	30.2	6.8	20	366679	324728
C	377	*Plumeria rubra*	Kemboja/Red frangipani	16	5.4	20	366672	324730
C	378	*Azadirachta indica*	Semambu	18.6	6.1	20	366665	324723
C	379	*Delonix regia*	Semarak api	20	8	20	366649	324738
C	380	*Delonix regia*	Semarak api	31.2	4.1	20	366632	324716
C	381	*Delonix regia*	Semarak api	36.6	6.2	20	366630	324702
C	382	*Delonix regia*	Semarak api	23.4	3.8	20	366621	324701
C	383	*Delonix regia*	Semarak api	21.8	5.2	20	366616	324697
C	384	*Delonix regia*	Semarak api	27.1	5.9	20	366618	324676
C	385	*Delonix regia*	Semarak api	39.2	7.8	20	366609	324671
C	386	*Delonix regia*	Semarak api	30.4	6	20	366601	324656
C	387	*Delonix regia*	Semarak api	24.5	5.8	20	366599	324649
C	388	*Delonix regia*	Semarak api	30	7.9	20	366588	324634
C	389	*Delonix regia*	Semarak api	33.4	8.1	20	366582	324632

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	390	*Delonix regia*	Semarak api	33.4	6.8	20	366577	324626
C	391	*Delonix regia*	Semarak api	22.2	6.8	20	366570	324609
C	392	*Delonix regia*	Semarak api	29.9	7.5	20	366567	324603
C	393	*Delonix regia*	Semarak api	21.8	5.5	20	366567	324595
C	394	*Delonix regia*	Semarak api	34	7.5	20	366557	324579
C	395	*Delonix regia*	Semarak api	21	4.5	20	366552	324576
C	396	*Delonix regia*	Semarak api	24.3	5.5	20	366548	324571
C	397	*Delonix regia*	Semarak api	16.1	5	20	366536	324543
C	398	*Delonix regia*	Semarak api	23.8	4.4	20	366538	324537
C	399	*Delonix regia*	Semarak api	19.1	5.6	20	366530	324526
C	400	*Delonix regia*	Semarak api	19	5.3	20	366526	324521
C	401	*Delonix regia*	Semarak api	25.8	5.7	20	366526	324517
C	402	*Delonix regia*	Semarak api	27.3	6.8	20	366519	324504
C	403	*Delonix regia*	Semarak api	24.6	5.5	20	366514	324502
C	404	*Delonix regia*	Semarak api	16	4	20	366512	324487
C	405	*Delonix regia*	Semarak api	16.2	4.2	20	366503	324484
C	406	*Delonix regia*	Semarak api	35.5	6.8	20	366497	324479
C	407	*Delonix regia*	Semarak api	15.5	5	20	366495	324474
C	408	*Delonix regia*	Semarak api	17.9	5.4	20	366486	324460
C	409	*Delonix regia*	Semarak api	28.7	6.5	20	366483	324460

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	410	*Delonix regia*	Semarak api	23.6	6.2	20	366478	324454
C	411	*Delonix regia*	Semarak api	15.7	4.1	20	366476	324451
C	412	*Delonix regia*	Semarak api	22.5	6	20	366465	324443
C	413	*Delonix regia*	Semarak api	27.7	6.2	20	366467	324437
C	414	*Delonix regia*	Semarak api	14.1	5.1	20	366461	324431
C	415	*Delonix regia*	Semarak api	25.4	6.4	20	366460	324428
C	416	*Delonix regia*	Semarak api	21.9	5	20	366453	324415
C	417	*Delonix regia*	Semarak api	27.7	5.8	20	366452	324409
C	418	*Delonix regia*	Semarak api	14.7	5.2	20	366452	324406
C	419	*Delonix regia*	Semarak api	20.5	5.1	20	366452	324402
C	420	*Delonix regia*	Semarak api	23.2	5.2	20	366450	324398
C	421	*Delonix regia*	Semarak api	15.6	6.1	20	366361	324260
C	422	*Delonix regia*	Semarak api	35.5	8.5	20	366346	324248
C	423	*Xanthostemon chrysanthus*	Golden penda	12.3	6.5	20	366328	324199
C	424	*Xanthostemon chrysanthus*	Golden penda	26	7.8	20	367448	325123
C	425	*Hopea odorata*	Merawan siput jantan	26	5.8	20	367458	325125
C	426	*Hopea odorata*	Merawan siput jantan	24	6.3	20	367464	325127
C	427	*Hopea odorata*	Merawan siput jantan	24.5	5.4	20	367466	325137
C	428	*Hopea odorata*	Merawan siput jantan	24.7	8.4	20	367466	325139
C	429	*Khaya senegalensis*	Khaya	38.6	19.7	18	367497	325211

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	430	*Khaya senegalensis*	Khaya	63.2	20.6	18	367503	325226
C	431	*Khaya senegalensis*	Khaya	49.1	18	18	367507	325237
C	432	*Khaya senegalensis*	Khaya	74.1	12.6	18	367516	325251
C	433	*Azadirachta indica*	Semambu	48.6	9	18	367523	325262
C	434	*Khaya senegalensis*	Khaya	54.1	18.2	18	367528	325271
C	435	*Khaya senegalensis*	Khaya	65.9	15.7	18	367539	325284
C	436	*Khaya senegalensis*	Khaya	58.9	17.5	18	367546	325298
C	437	*Khaya senegalensis*	Khaya	67.7	18.6	18	367551	325309
C	438	*Khaya senegalensis*	Khaya	61.9	16.1	18	367555	325325
C	439	*Khaya senegalensis*	Khaya	56.9	19.3	18	367580	325373
C	440	*Khaya senegalensis*	Khaya	57.5	17.5	18	367586	325386
C	441	*Khaya senegalensis*	Khaya	59.2	16.7	18	367596	325394
C	442	*Khaya senegalensis*	Khaya	57.7	15.7	18	367608	325411
C	443	*Khaya senegalensis*	Khaya	75.5	18.1	18	367611	325421
C	444	*Khaya senegalensis*	Khaya	53.7	15.3	18	367620	325437
C	445	*Khaya senegalensis*	Khaya	61	20.1	18	367630	325448
C	446	*Khaya senegalensis*	Khaya	73.4	16.6	18	367646	325470
C	447	*Khaya senegalensis*	Khaya	61	16.1	18	367656	325481
C	448	*Khaya senegalensis*	Khaya	73.4	16.9	18	367663	325494
C	449	*Khaya senegalensis*	Khaya	79.7	21.9	18	367682	325530

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	450	*Khaya senegalensis*	Khaya	50.5	13.7	18	367687	325540
C	451	*Khaya senegalensis*	Khaya	78.2	16.6	18	367697	325554
C	452	*Khaya senegalensis*	Khaya	55.7	17.2	18	367702	325566
C	453	*Khaya senegalensis*	Khaya	68.3	15.9	18	367711	325578
C	454	*Khaya senegalensis*	Khaya	70.7	16.1	18	367717	325591
C	455	*Khaya senegalensis*	Khaya	64.8	16.7	18	367724	325604
C	456	*Khaya senegalensis*	Khaya	62.6	17.6	18	367731	325618
C	457	*Khaya senegalensis*	Khaya	78.3	18.5	18	367739	325630
C	458	*Khaya senegalensis*	Khaya	67.1	16.7	18	367744	325643
C	459	*Khaya senegalensis*	Khaya	66.3	16.3	18	367752	325654
C	460	*Khaya senegalensis*	Khaya	60.2	17.2	18	367759	325668
C	461	*Khaya senegalensis*	Khaya	90.1	20.9	18	367766	325678
C	462	*Khaya senegalensis*	Khaya	56.1	16.7	18	367771	325698
C	463	*Khaya senegalensis*	Khaya	82.8	21	18	367774	325705
C	464	*Khaya senegalensis*	Khaya	60.9	20.5	18	367781	325721
C	465	*Khaya senegalensis*	Khaya	89.5	22.5	18	367794	325726
C	466	*Khaya senegalensis*	Khaya	75.5	20.2	18	367798	325740
C	467	*Khaya senegalensis*	Khaya	80.5	18.9	18	367825	325781
C	468	*Khaya senegalensis*	Khaya	64.4	19.6	18	367835	325779
C	469	*Khaya senegalensis*	Khaya	69	19	18	367846	325803

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	470	*Khaya senegalensis*	Khaya	78.3	20.6	18	367846	325816
C	471	*Khaya senegalensis*	Khaya	87.4	20.4	18	367856	325825
C	472	*Khaya senegalensis*	Khaya	75.6	19.6	18	367859	325841
C	473	*Khaya senegalensis*	Khaya	66.1	17.7	18	367847	325832
C	474	*Khaya senegalensis*	Khaya	77.5	19.1	18	367850	325843
C	475	*Khaya senegalensis*	Khaya	77.3	19.5	18	367861	325879
C	476	*Khaya senegalensis*	Khaya	70.8	14.6	18	367874	325900
C	477	*Khaya senegalensis*	Khaya	69.2	15.9	18	367900	325898
C	478	*Khaya senegalensis*	Khaya	94.7	21.2	18	367908	325916
C	479	*Cassia fistula*	Golden shower	38.8	12.6	16	368124	326890
C	480	*Cassia fistula*	Golden shower	22.5	8.5	16	368142	326824
C	481	*Cassia fistula*	Golden shower	20.9	80	16	368145	326929
C	482	*Cassia fistula*	Golden shower	19.8	8.8	16	368148	326934
C	483	*Cassia fistula*	Golden shower	25.3	8.8	16	368184	326937
C	484	*Cassia fistula*	Golden shower	15	4.5	16	368153	326943
C	485	*Cassia fistula*	Golden shower	27.8	10.1	16	368155	326948
C	486	*Cassia fistula*	Golden shower	34.3	13.2	16	368159	326952
C	487	*Cassia fistula*	Golden shower	29.2	11.7	16	368161	326957
C	488	*Cassia fistula*	Golden shower	27.3	9.7	16	368156	326963
C	489	*Cassia fistula*	Golden shower	27	9.3	16	368167	326968

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	490	*Cassia fistula*	Golden shower	33.8	9.9	16	368172	326968
C	491	*Cassia fistula*	Golden shower	2.1	10.5	16	368171	326978
C	492	*Cassia fistula*	Golden shower	20.7	10	16	368174	326985
C	493	*Cassia fistula*	Golden shower	24.7	8.7	16	368176	326991
C	494	*Cassia fistula*	Golden shower	30	13.3	16	368177	326995
C	495	*Cassia fistula*	Golden shower	16.7	9.2	16	368182	326999
C	496	*Cassia fistula*	Golden shower	33.4	10.6	16	368186	327007
C	497	*Cassia fistula*	Golden shower	26	10.6	16	368194	327013
C	498	*Cassia fistula*	Golden shower	31.1	11.3	16	368196	327018
C	499	*Cassia fistula*	Golden shower	30.1	12.5	16	368198	327022
C	500	*Cassia fistula*	Golden shower	32.1	11.6	16	368202	327027
C	501	*Cassia fistula*	Golden shower	33.8	12.9	16	368213	327045
C	502	*Cassia fistula*	Golden shower	27.4	11.6	16	368214	327049
C	503	*Cassia fistula*	Golden shower	33.8	11.3	16	368218	327055
C	504	*Cassia fistula*	Golden shower	23.8	10.7	16	368222	327067
C	505	*Cassia fistula*	Golden shower	26.3	11.7	16	368224	327065
C	506	*Cassia fistula*	Golden shower	22.8	10.7	16	368227	327069
C	507	*Cassia fistula*	Golden shower	27.2	11.1	16	368230	327077
C	508	*Cassia fistula*	Golden shower	15.8	6.6	16	368232	327080
C	509	*Cassia fistula*	Golden shower	21.7	9.8	16	368234	327084

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	510	*Cassia fistula*	Golden shower	22.5	9.8	16	368237	327089
C	511	*Cassia fistula*	Golden shower	25.1	8.6	16	368239	327095
C	512	*Cassia fistula*	Golden shower	28.3	11.2	16	368244	327101
C	513	*Cassia fistula*	Golden shower	18.9	10.1	16	368246	327016
C	514	*Cassia fistula*	Golden shower	21.8	9.8	16	368269	327136
C	515	*Cassia fistula*	Golden shower	24.4	9.9	16	368266	327141
C	516	*Cassia fistula*	Golden shower	26.3	11.2	16	368277	327156
C	517	*Cassia fistula*	Golden shower	30.2	10.8	16	368281	327161
C	518	*Cassia fistula*	Golden shower	17.4	8.1	16	368283	327166
C	519	*Cassia fistula*	Golden shower	20.7	12.3	16	368286	327172
C	520	*Cassia fistula*	Golden shower	18.2	10.4	16	368289	327175
C	521	*Cassia fistula*	Golden shower	24.3	6.5	16	368291	327181
C	522	*Cassia fistula*	Golden shower	18	7.7	16	368296	327184
C	523	*Cassia fistula*	Golden shower	18.5	10.7	16	368299	327190
C	524	*Cassia fistula*	Golden shower	19	6.7	16	368301	327194
C	525	*Cassia fistula*	Golden shower	23.2	9.3	16	368304	327202
C	526	*Cassia fistula*	Golden shower	16.6	8.5	16	368312	327205
C	527	*Cassia fistula*	Golden shower	16.4	7.3	16	368317	327210
C	528	*Cassia fistula*	Golden shower	19.5	8.8	16	368322	327211
C	529	*Cassia fistula*	Golden shower	19	9.2	16	368328	327216

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	530	*Cassia fistula*	Golden shower	19.7	10.3	16	368333	327218
C	531	*Cassia fistula*	Golden shower	17.1	10.5	16	368337	327220
C	532	*Cassia fistula*	Golden shower	22.8	9.4	16	368341	327223
C	533	*Cassia fistula*	Golden shower	12.8	5.2	16	368343	327227
C	534	*Cassia fistula*	Golden shower	18.5	8	16	364349	327229
C	535	*Cassia fistula*	Golden shower	17.5	5.8	16	368356	327236
C	536	*Cassia fistula*	Golden shower	20.3	7.5	16	368366	327241
C	537	*Cassia fistula*	Golden shower	12.4	3.9	16	368375	327245
C	538	*Cassia fistula*	Golden shower	15.7	7	16	368376	327246
C	539	*Cassia fistula*	Golden shower	10.9	5.3	16	368382	327250
C	540	*Cassia fistula*	Golden shower	16.8	6.7	16	368389	327252
C	541	*Cassia fistula*	Golden shower	26.2	10.3	16	368393	327257
C	542	*Cassia fistula*	Golden shower	24.7	10.4	16	368322	327227
C	543	*Cassia fistula*	Golden shower	15.3	7.4	16	368326	327233
C	544	*Cassia fistula*	Golden shower	25.3	8.8	16	368329	327237
C	545	*Cassia fistula*	Golden shower	26.7	9.8	16	368338	327057
C	546	*Cassia fistula*	Golden shower	24.8	11.1	16	368344	327264
C	547	*Cassia fistula*	Golden shower	19.4	8.9	16	368347	327267
C	548	*Cassia fistula*	Golden shower	25.1	11.4	16	368351	327274
C	549	*Cassia fistula*	Golden shower	21.7	11.1	16	368352	327278

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	550	*Cassia fistula*	Golden shower	22.3	10.3	16	368354	327285
C	551	*Cassia fistula*	Golden shower	19.4	8.2	16	368355	327290
C	552	*Cassia fistula*	Golden shower	17.7	8.7	16	368360	327292
C	553	*Cassia fistula*	Golden shower	18.5	8.3	16	368365	327298
C	554	*Cassia fistula*	Golden shower	22.5	9.4	16	368368	327301
C	555	*Cassia fistula*	Golden shower	22.1	9.6	16	368371	327307
C	556	*Cassia fistula*	Golden shower	14.4	7	16	368376	327315
C	557	*Cassia fistula*	Golden shower	22	10.5	16	368377	327317
C	558	*Cassia fistula*	Golden shower	20.4	9.4	16	368379	327322
C	559	*Cassia fistula*	Golden shower	28	11.6	16	367383	327327
C	560	*Cassia fistula*	Golden shower	21.6	10	16	368385	327333
C	561	*Cassia fistula*	Golden shower	17.3	7.6	16	368385	327338
C	562	*Cassia fistula*	Golden shower	37.9	12.5	16	368389	327344
C	563	*Cassia fistula*	Golden shower	21.8	11.9	16	368400	327361
C	564	*Cassia fistula*	Golden shower	25.5	10.8	16	368404	327365
C	565	*Cassia fistula*	Golden shower	27.6	11.9	16	368405	327369
C	566	*Cocos nucifera*	Kelapa	16.2	6.1	18	368411	327412
C	567	*Cocos nucifera*	Kelapa	20	6.6	18	368425	327436
C	568	*Cocos nucifera*	Kelapa	21.4	7.9	18	368438	327446
C	569	*Cocos nucifera*	Kelapa	19.3	8.3	18	368445	327466

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	570	*Cocos nucifera*	Kelapa	17.5	6.8	18	368459	327478
C	571	*Cocos nucifera*	Kelapa	19.1	7.5	18	368471	327494
C	572	*Cocos nucifera*	Kelapa	19.8	7.2	18	368480	327511
C	573	*Cocos nucifera*	Kelapa	28.6	7.9	18	368485	327534
C	574	*Cocos nucifera*	Kelapa	20.8	7.6	18	368500	327547
C	575	*Cocos nucifera*	Kelapa	19.2	7.2	18	368505	327569
C	576	*Cocos nucifera*	Kelapa	17.5	7	18	368514	327586
C	577	*Cocos nucifera*	Kelapa	17	6.5	18	368531	327603
C	578	*Cocos nucifera*	Kelapa	18.6	7.6	18	368550	327613
C	579	*Cocos nucifera*	Kelapa	16.2	6.7	18	368556	327641
C	580	*Cocos nucifera*	Kelapa	18.5	7.4	18	368564	327643
C	581	*Cocos nucifera*	Kelapa	10.5	6.4	18	368582	327660
C	582	*Cocos nucifera*	Kelapa	16.3	1.5	18	368590	327681
C	583	*Cocos nucifera*	Kelapa	20.7	7.8	18	368597	327702
C	584	*Cocos nucifera*	Kelapa	18.2	6.8	18	368600	327721
C	585	*Cocos nucifera*	Kelapa	21	8.5	18	368631	327737
C	586	*Cocos nucifera*	Kelapa	19.3	7.9	18	368603	327760
C	587	*Cocos nucifera*	Kelapa	18	7.7	18	368633	327763
C	588	*Cocos nucifera*	Kelapa	19.5	7.5	18	368658	327781
C	589	*Cocos nucifera*	Kelapa	20.7	7.7	18	368657	327817

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	590	*Cocos nucifera*	Kelapa	17.3	6.8	18	368656	327826
C	591	*Cocos nucifera*	Kelapa	18.2	7.7	18	368689	327832
C	592	*Cocos nucifera*	Kelapa	20.5	7.3	18	368692	327855
C	593	*Cocos nucifera*	Kelapa	19.5	7.5	18	368702	327860
C	594	*Cocos nucifera*	Kelapa	19	6.5	18	368722	327891
C	595	*Cocos nucifera*	Kelapa	19.3	6.6	18	368734	327901
C	596	*Tamarindus indica*	Asam jawa	49	12.9	18	368714	327885
C	597	*Azadirachta indica*	Semambu	20.8	6.8	18	368727	327935
C	598	*Peltophorum pterocarpum*	Jemerlang laut	57.9	14.5	18	367202	326768
C	599	*Peltophorum pterocarpum*	Jemerlang laut	49.9	12.9	18	368200	326777
C	600	*Peltophorum pterocarpum*	Jemerlang laut	41.3	9.9	18	368193	326778
C	601	*Peltophorum pterocarpum*	Jemerlang laut	52.1	11.1	18	368189	326780
C	602	*Peltophorum pterocarpum*	Jemerlang laut	58.4	12.1	18	368184	326784
C	603	*Peltophorum pterocarpum*	Jemerlang laut	51.5	12.7	18	368181	326787
C	604	*Peltophorum pterocarpum*	Jemerlang laut	35	10.7	18	368176	326794
C	605	*Peltophorum pterocarpum*	Jemerlang laut	55	12.9	18	368174	326799
C	606	*Peltophorum pterocarpum*	Jemerlang laut	60.1	14.3	18	368168	326809
C	607	*Peltophorum pterocarpum*	Jemerlang laut	31.2	7.6	18	368166	326812
C	608	*Peltophorum pterocarpum*	Jemerlang laut	38.7	9	18	368155	326818
C	609	*Peltophorum pterocarpum*	Jemerlang laut	43.2	9.4	18	368153	326820

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	610	*Peltophorum pterocarpum*	Jemerlang laut	34.8	6.5	18	368146	326825
C	611	*Peltophorum pterocarpum*	Jemerlang laut	40.1	8.6	18	368140	326828
C	612	*Peltophorum pterocarpum*	Jemerlang laut	26.8	8.9	18	368131	326830
C	613	*Peltophorum pterocarpum*	Jemerlang laut	48.7	10.8	18	368128	326832
C	614	*Peltophorum pterocarpum*	Jemerlang laut	46.3	13.9	18	368125	326836
C	615	*Peltophorum pterocarpum*	Jemerlang laut	69.5	13.9	18	368118	326839
C	616	*Cocos nucifera*	Kelapa	16.8	4.3	18	368120	326833
C	617	*Mangifera odorata*	Mangga	44	9.2	18	368150	326810
C	618	*Hura crepitans*	Payung indonesia	47.2	9.1	18	368146	326814
C	619	*Mangifera odorata*	Mangga	25.5	10.9	18	368131	326822
C	620	*Hura crepitans*	Payung indonesia	40.3	7.7	18	368120	326823
C	621	*Hura crepitans*	Payung indonesia	33.6	6.3	18	368115	326822
C	622	*Hura crepitans*	Payung indonesia	35.5	5.5	18	368111	326810
C	623	*Hura crepitans*	Payung indonesia	25.5	4.2	18	368109	326805
C	624	*Hura crepitans*	Payung indonesia	28.5	4.7	18	368091	326775
C	625	*Hura crepitans*	Payung indonesia	29	6.1	18	368082	326761
C	626	*Syzygium campanulatum*	Kelat paya	20.2	9.7	18	368070	326766
C	627	*Peltophorum pterocarpum*	Jemerlang laut	59.7	10.9	18	368095	326735
C	628	*Hura crepitans*	Payung indonesia	26.5	4.5	18	368093	326760
C	629	*Hura crepitans*	Payung indonesia	25.8	4.7	18	368112	326752

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	630	*Hura crepitans*	Payung indonesia	22.8	4	18	368112	326746
C	631	*Hura crepitans*	Payung indonesia	33.8	6.3	18	368116	326735
C	632	*Hura crepitans*	Payung indonesia	27	5.4	18	368122	326745
C	633	*Hura crepitans*	Payung indonesia	34.3	7.3	18	368125	326750
C	634	*Hura crepitans*	Payung indonesia	35.3	8.2	18	368130	326754
C	635	*Lagerstroemia floribunda*	Bungor	25.6	8.7	18	368129	326743
C	636	*Lagerstroemia floribunda*	Bungor	22.4	7.1	18	368131	326749
C	637	*Lagerstroemia floribunda*	Bungor	29.7	9	18	368134	326759
C	638	*Lagerstroemia floribunda*	Bungor	24.9	7.4	18	368136	326761
C	639	*Lagerstroemia floribunda*	Bungor	20.8	8.2	18	368138	326769
C	640	*Lagerstroemia floribunda*	Bungor	28.7	8.9	18	368142	326775
C	641	*Lagerstroemia floribunda*	Bungor	20.5	7.4	18	368145	326750
C	642	*Lagerstroemia floribunda*	Bungor	28	8.5	18	368145	326784
C	643	*Lagerstroemia floribunda*	Bungor	19	7.7	18	368149	326790
C	644	*Spathodea campanulata*	African tulip	43.5	9.7	18	368152	326793
C	645	*Lagerstroemia floribunda*	Bungor	36.5	10.2	18	368162	326800
C	646	*Mangifera odorata*	Mangga	39.1	8.9	18	368153	326795
C	647	*Phoenix roebelenii*	Roebelin Palm	14.5	3.5	18	368109	326840
C	648	*Bougainvillea* sp.	Bunga kertas	19	1.4	18	368108	326834
C	649	*Bougainvillea* sp.	Bunga kertas	18.8	2.7	18	368104	326836

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	650	*Bougainvillea* sp.	Bunga kertas	11.2	2.4	18	368101	326839
C	651	*Bougainvillea* sp.	Bunga kertas	17.5	3.7	18	368094	326842
C	652	*Bougainvillea* sp.	Bunga kertas	12.5	3.3	18	368090	326831
C	653	*Bougainvillea* sp.	Bunga kertas	12.9	2.8	18	368088	326831
C	654	*Bougainvillea* sp.	Bunga kertas	16.9	2.9	18	368084	326825
C	655	*Cordyline australis*	Cabbage palm	44.4	7.7	18	368084	326821
C	656	*Phoenix roebelenii*	Roebelin Palm	12.6	3.2	18	368056	326780
C	657	*Phoenix roebelenii*	Roebelin Palm	11.5	3.5	18	368060	326779
C	658	*Elaeis guineensis*	Kelapa sawit	52	7.4	18	368060	326779
C	659	*Phoenix roebelenii*	Roebelin Palm	12.7	2.6	18	368051	326775
C	660	*Phoenix roebelenii*	Roebelin Palm	13	2.6	18	368046	326772
C	661	*Phoenix roebelenii*	Roebelin Palm	12.5	4.1	18	368053	326768
C	662	*Phoenix roebelenii*	Roebelin Palm	8.2	3	18	368041	326767
C	663	*Phoenix roebelenii*	Roebelin Palm	13.6	3.8	18	368049	326759
C	664	*Phoenix roebelenii*	Roebelin Palm	11.5	3.2	18	368058	326754
C	665	*Cordyline australis*	Cabbage palm	20.3	7	18	368060	326753
C	666	*Roystonea regia*	Pinang raja	26.8	7	18	368062	326749
C	667	*Delonix regia*	Semarak api	38.3	7	18	367974	326689
C	668	*Yucca aloifolia*	Aloe yucca	14.5	3	18	367999	326690
C	669	*Delonix regia*	Semarak api	10.1	2.8	18	368000	326683

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	670	*Veitchia merrillii*	Manila palm	17.7	4.4	18	367992	326674
C	671	*Veitchia merrillii*	Manila palm	12.2	4.1	18	367994	326674
C	672	*Yucca aloifolia*	Aloe yucca	13.5	3.1	18	367987	326671
C	673	*Yucca aloifolia*	Aloe yucca	14.9	3.8	18	367988	326666
C	674	*Phoenix roebelenii*	Roebelin Palm	11.2	3.8	18	367976	326651
C	675	*Phoenix roebelenii*	Roebelin Palm	14.8	3.5	18	367949	326601
C	676	*Plumeria rubra*	Kemboja/Red frangipani	10.2	4.2	18	367926	326555
C	677	*Elaeis guineensis*	Kelapa sawit	56.7	7.9	18	367916	326547
C	678	*Delonix regia*	Semarak api	41.3	7.9	18	367888	326541
C	679	*Delonix regia*	Semarak api	42.2	8.5	18	367888	326520
C	680	*Bougainvillea* sp.	Bunga kertas	13.2	3	18	367878	326503
C	681	*Mangifera odorata*	Mangga	19.3	6.4	18	367892	326465
C	682	*Spathodea campanulata*	African tulip	22.3	8.3	18	367882	326460
C	683	*Mangifera odorata*	Mangga	14	3.3	18	367861	326448
C	684	*Roystonea regia*	Pinang raja	48.1	8.4	20	367852	324434
C	685	*Roystonea regia*	Pinang raja	42.9	8.5	20	367839	326414
C	686	*Roystonea regia*	Pinang raja	42.4	9	20	367820	326939
C	687	*Roystonea regia*	Pinang raja	46.5	7.9	20	367821	326388
C	688	*Roystonea regia*	Pinang raja	47.5	7.9	20	367805	326353
C	689	*Roystonea regia*	Pinang raja	44.3	0.9	20	367793	326342

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	690	*Roystonea regia*	Pinang raja	48.4	7	20	367789	326338
C	691	*Roystonea regia*	Pinang raja	49.7	7.2	20	367790	326336
C	692	*Roystonea regia*	Pinang raja	52.3	8	20	367769	326299
C	693	*Roystonea regia*	Pinang raja	50.2	7.7	20	367771	326297
C	694	*Roystonea regia*	Pinang raja	47.2	7.7	20	367768	326296
C	695	*Roystonea regia*	Pinang raja	51.5	7.6	20	367764	326290
C	696	*Roystonea regia*	Pinang raja	47.1	7.8	20	367758	326284
C	697	*Roystonea regia*	Pinang raja	45	7.9	20	367759	326282
C	698	*Roystonea regia*	Pinang raja	44.2	7.7	20	367757	326280
C	699	*Roystonea regia*	Pinang raja	45.9	6.5	20	367744	326267
C	700	*Roystonea regia*	Pinang raja	44.3	7.1	20	367751	326264
C	701	*Roystonea regia*	Pinang raja	40.7	6.4	20	367738	326247
C	702	*Roystonea regia*	Pinang raja	45.8	7.5	20	367736	326236
C	703	*Roystonea regia*	Pinang raja	49.3	7.8	20	367729	326228
C	704	*Roystonea regia*	Pinang raja	44.8	7.4	20	367726	326229
C	705	*Roystonea regia*	Pinang raja	14.9	3	20	367726	326226
C	706	*Roystonea regia*	Pinang raja	14.2	3.4	20	367723	326221
C	707	*Roystonea regia*	Pinang raja	49.2	7.4	20	367722	326222
C	708	*Roystonea regia*	Pinang raja	14.6	4.6	20	367721	326220
C	709	*Roystonea regia*	Pinang raja	16.6	4.5	20	367720	326208

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	710	*Roystonea regia*	Pinang raja	16.5	4.1	20	367719	326209
C	711	*Roystonea regia*	Pinang raja	51.5	6.8	20	367717	326207
C	712	*Roystonea regia*	Pinang raja	16.6	4.3	20	367712	326201
C	713	*Veitchia merrillii*	Manila palm	16.8	4.3	18	367707	326197
C	714	*Mangifera odorata*	Mangga	41.3	9.5	18	367872	326954
C	715	*Peltophorum pterocarpum*	Jemerlang laut	44	7.3	18	367881	326789
C	716	*Peltophorum pterocarpum*	Jemerlang laut	43.7	7.9	18	367885	326779
C	717	*Acacia auriculiformis*	Akasia	35.5	6.8	18	367981	325943
C	718	*Mangifera odorata*	Mangga	40.7	7.2	18	367979	325944
C	719	*Cocos nucifera*	Kelapa	31.3	8.2	18	367973	325948
C	720	*Azadirachta indica*	Semambu	6.1	5.2	18	367959	325949
C	721	*Lagerstroemia floribunda*	Bungor	38.8	9.4	18	367958	325948
C	722	*Azadirachta indica*	Semambu	11.5	5.2	18	367952	325939
C	723	*Azadirachta indica*	Semambu	12.2	5	18	367955	325936
C	724	*Azadirachta indica*	Semambu	13.8	6.8	18	367451	325936
C	725	*Hopea odorata*	Merawan siput jantan	16.8	6	18	367938	325914
C	726	*Roystonea regia*	Pinang raja	23.7	2.9	18	367932	325942
C	727	*Plumeria rubra*	Kemboja/Red frangipani	12.2	4.7	18	367925	325941
C	728	*Plumeria rubra*	Kemboja/Red frangipani	10.7	4.2	18	367922	325941
C	729	*Plumeria rubra*	Kemboja/Red frangipani	19.2	4.2	18	367919	325939

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	730	*Plumeria rubra*	Kemboja/Red frangipani	11	3.7	18	367924	325945
C	731	*Wodyetia bifurcata*	Foxtail palm	27	2.1	18	367924	325950
C	732	*Wodyetia bifurcata*	Foxtail palm	34.3	2.7	18	367933	325949
C	733	*Wodyetia bifurcata*	Foxtail palm	25.4	2.3	18	367924	325967
C	734	*Wodyetia bifurcata*	Foxtail palm	22.8	5.7	18	367938	325967
C	735	*Wodyetia bifurcata*	Foxtail palm	19.5	5	18	367938	325967
C	736	*Wodyetia bifurcata*	Foxtail palm	19.5	6.5	18	367938	325967
C	737	*Wodyetia bifurcata*	Foxtail palm	20.5	5.1	18	367939	325967
C	738	*Wodyetia bifurcata*	Foxtail palm	12.2	2.5	18	367938	325971
C	739	*Wodyetia bifurcata*	Foxtail palm	21.5	2.1	18	367943	325968
C	740	*Wodyetia bifurcata*	Foxtail palm	10.9	6.9	18	367930	326038
C	741	*Wodyetia bifurcata*	Foxtail palm	23.8	5.7	18	367956	326051
C	742	*Veitchia merrillii*	Manila palm	23.5	4.6	18	367960	326055
C	743	*Veitchia merrillii*	Manila palm	12.6	6	19	367946	326060
C	744	*Veitchia merrillii*	Manila palm	14.1	8.2	19	367960	326086
C	745	*Veitchia merrillii*	Manila palm	13.1	7.2	19	367962	326904
C	746	*Veitchia merrillii*	Manila palm	12.4	7	19	367963	326098
C	747	*Veitchia merrillii*	Manila palm	12	7	19	367964	326100
C	748	*Veitchia merrillii*	Manila palm	14	6.3	19	367966	326103
C	749	*Veitchia merrillii*	Manila palm	14.5	6.2	19	367968	326105

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	750	*Veitchia merrillii*	Manila palm	13.7	6.4	19	367969	326108
C	751	*Veitchia merrillii*	Manila palm	13.6	7.9	19	367969	326109
C	752	*Veitchia merrillii*	Manila palm	13.6	6.7	19	367970	326112
C	753	*Veitchia merrillii*	Manila palm	15.2	7.8	19	367979	326118
C	754	*Veitchia merrillii*	Manila palm	13.7	7.9	19	367979	326119
C	755	*Cycas revoluta*	Sago palm	24.2	1.8	19	367894	326009
C	756	*Bismarckia nobilis*	Bismarck palm	53.2	9.2	19	367858	325942
C	757	*Bismarckia nobilis*	Bismarck palm	60.2	10.9	19	367850	325932
C	758	*Cordia sebestena*	Geiger tree	10.8	3.5	19	367846	325924
C	759	*Cycas revoluta*	Sago palm	24	1.7	19	367829	325897
C	760	*Cordia sebestena*	Geiger tree	15	3.6	19	367825	325872
C	761	*Bismarckia nobilis*	Bismarck palm	47.4	10.5	19	367815	325873
C	762	*Bismarckia nobilis*	Bismarck palm	48.2	8.7	19	367811	325860
C	763	*Bismarckia nobilis*	Bismarck palm	57.7	10.4	19	367804	325855
C	764	*Bismarckia nobilis*	Bismarck palm	46.9	10.3	19	367797	325838
C	765	*Cordia sebestena*	Geiger tree	19.7	2.6	19	367805	325835
C	766	*Cordia sebestena*	Geiger tree	28	1.2	19	367778	325811
C	767	*Plumeria rubra*	Kemboja/Red frangipani	12.3	4	10	367408	325042
C	768	*Plumeria rubra*	Kemboja/Red frangipani	12.2	4.7	10	367374	324956
C	769	*Plumeria rubra*	Kemboja/Red frangipani	12.5	5.1	10	367371	324950

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	770	*Plumeria rubra*	Kemboja/Red frangipani	13.1	4.7	10	367367	324941
C	771	*Plumeria rubra*	Kemboja/Red frangipani	11.5	4.4	10	367364	324934
C	772	*Plumeria rubra*	Kemboja/Red frangipani	11	3.9	10	367347	324913
C	773	*Plumeria rubra*	Kemboja/Red frangipani	10.8	4	10	367341	324904
C	774	*Plumeria rubra*	Kemboja/Red frangipani	11.1	4.4	10	367273	324788
C	775	*Plumeria rubra*	Kemboja/Red frangipani	11.2	5.4	10	367267	324785
C	776	*Plumeria rubra*	Kemboja/Red frangipani	12.8	4.8	10	367269	324777
C	777	*Plumeria rubra*	Kemboja/Red frangipani	11	4.8	10	367264	324770
C	778	*Plumeria rubra*	Kemboja/Red frangipani	11.4	4.8	10	367259	324762
C	779	*Plumeria rubra*	Kemboja/Red frangipani	13.8	5.1	10	367254	324755
C	780	*Plumeria rubra*	Kemboja/Red frangipani	11.5	4.7	10	367288	324730
C	781	*Plumeria rubra*	Kemboja/Red frangipani	10.6	4.8	10	367253	324733
C	782	*Plumeria rubra*	Kemboja/Red frangipani	10.8	4.7	10	367244	324726
C	783	*Plumeria rubra*	Kemboja/Red frangipani	11.3	5.4	10	367215	324716
C	784	*Plumeria rubra*	Kemboja/Red frangipani	10.3	4.5	10	367206	324695
C	785	*Plumeria rubra*	Kemboja/Red frangipani	11.2	3.5	10	367201	324684
C	786	*Plumeria rubra*	Kemboja/Red frangipani	12.4	4.5	10	367197	324680
C	787	*Plumeria rubra*	Kemboja/Red frangipani	10.7	4.4	10	367196	324672
C	788	*Plumeria rubra*	Kemboja/Red frangipani	14.2	6	10	367191	324653
C	789	*Plumeria rubra*	Kemboja/Red frangipani	10.9	5.9	10	367190	324648

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	790	*Plumeria rubra*	Kemboja/Red frangipani	11.1	5	10	367188	324644
C	791	*Plumeria rubra*	Kemboja/Red frangipani	12.5	5.1	10	367182	324637
C	792	*Plumeria rubra*	Kemboja/Red frangipani	12.2	5	10	367181	324632
C	793	*Plumeria rubra*	Kemboja/Red frangipani	11.5	4.5	10	367171	324615
C	794	*Plumeria rubra*	Kemboja/Red frangipani	11	4.7	10	367162	324594
C	795	*Plumeria rubra*	Kemboja/Red frangipani	12.3	5.1	10	367157	324588
C	796	*Plumeria rubra*	Kemboja/Red frangipani	12.2	5.5	10	367153	324583
C	797	*Plumeria rubra*	Kemboja/Red frangipani	11.7	4.3	10	367150	324577
C	798	*Plumeria rubra*	Kemboja/Red frangipani	13.4	5	10	367145	324573
C	799	*Plumeria rubra*	Kemboja/Red frangipani	12.2	4.4	10	367139	324557
C	800	*Plumeria rubra*	Kemboja/Red frangipani	10.8	5.4	10	367136	324552
C	801	*Plumeria rubra*	Kemboja/Red frangipani	11.4	5	10	367134	324546
C	802	*Plumeria rubra*	Kemboja/Red frangipani	13.6	5.4	10	367129	324544
C	803	*Plumeria rubra*	Kemboja/Red frangipani	11.4	4.8	10	367126	324535
C	804	*Plumeria rubra*	Kemboja/Red frangipani	15.6	5.3	10	367120	324525
C	805	*Plumeria rubra*	Kemboja/Red frangipani	13	5.3	10	367117	324520
C	806	*Plumeria rubra*	Kemboja/Red frangipani	17.3	5.2	10	367112	324512
C	807	*Plumeria rubra*	Kemboja/Red frangipani	10.8	4.5	10	367107	324506
C	808	*Plumeria rubra*	Kemboja/Red frangipani	13.4	5.1	10	367102	324501
C	809	*Mangifera odorata*	Mangga	29.9	7.3	10	368857	327902

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	810	*Mangifera odorata*	Mangga	28.8	7.5	10	368852	327900
C	811	*Tabebuia rosea*	Pink tecoma	12.2	7.4	10	368957	327841
C	812	*Cinnamomum iners*	Kayu manis	59.8	12.5	10	369006	327812
C	813	*Casuarina equisetifolia*	Rhu	58.5	22.3	18	368864	327562
C	814	*Casuarina equisetifolia*	Rhu	58.5	27	18	368852	327561
C	815	*Casuarina equisetifolia*	Rhu	78.7	34.5	18	368849	327554
C	816	*Casuarina equisetifolia*	Rhu	62.8	29	18	368843	327544
C	817	*Casuarina equisetifolia*	Rhu	35.2	23	18	368836	327533
C	818	*Casuarina equisetifolia*	Rhu	58.7	27	18	368825	327525
C	819	*Casuarina equisetifolia*	Rhu	66.3	27.9	18	368820	327512
C	820	*Casuarina equisetifolia*	Rhu	51	25.3	18	326813	327502
C	821	*Casuarina equisetifolia*	Rhu	63.7	29.5	18	368793	327469
C	822	*Casuarina equisetifolia*	Rhu	73	28.1	18	368782	327462
C	823	*Casuarina equisetifolia*	Rhu	66.8	29.5	18	368741	327412
C	824	*Casuarina equisetifolia*	Rhu	47.2	25.2	18	368737	327401
C	825	*Casuarina equisetifolia*	Rhu	30.5	27.2	18	368728	327398
C	826	*Casuarina equisetifolia*	Rhu	69.7	27.2	18	368724	327394
C	827	*Casuarina equisetifolia*	Rhu	78.6	24.9	18	368711	327379
C	828	*Casuarina equisetifolia*	Rhu	60	24.7	18	368712	327369
C	829	*Azadirachta indica*	Semambu	30.8	9.8	21	368055	32640

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	830	*Callistemon sp.*	Bottlebrush	18.5	6.3	21	368054	326743
C	831	*Callistemon sp.*	Bottlebrush	20	5.9	21	368055	326743
C	832	*Tamarindus indica*	Asam jawa	32.4	9.9	21	368053	326733
C	833	*Roystonea regia*	Pinang raja	22.7	7	21	368050	326736
C	834	*Roystonea regia*	Pinang raja	20.6	6.5	21	368050	326735
C	835	*Cassia fistula*	Golden shower	35.2	11.9	21	368056	326735
C	836	*Elaeis guineensis*	Kelapa sawit	58.2	7.1	21	368052	326732
C	837	*Bougainvillea* sp.	Bunga kertas	13.8	3.5	21	368034	326723
C	838	*Tamarindus indica*	Asam jawa	24.2	8.5	21	368038	326718
C	839	*Bougainvillea* sp.	Bunga kertas	17	2.8	21	368031	326718
C	840	*Azadirachta indica*	Semambu	42.2	9.9	21	368023	326713
C	841	*Mangifera indica*	Mangga	19.2	5.9	15	368227	326699
C	842	*Roystonea regia*	Pinang raja	25	3.1	15	368228	326502
C	843	*Cassia fistula*	Golden shower	29.2	8.3	15	368222	326507
C	844	*Bucida buceras*	Pokok doa	16.2	8.5	15	368254	326719
C	845	*Plumeria rubra*	Kemboja/Red frangipani	17.8	6.2	15	368272	326724
C	846	*Plumeria rubra*	Kemboja/Red frangipani	14.5	6.3	15	368232	326718
C	847	*Moringa oleifera*	Merunggai/kacang kelo	17.7	8	15	368242	326734
C	848	*Carica papaya*	Pokok betik	27.6	6.8	15	368254	326727
C	849	*Roystonea regia*	Pinang raja	13.8	4.8	15	368240	326721

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
C	850	*Cocos nucifera*	Kelapa	26	6	15	368241	326722
D	1	*Wodyetia bifurcata*	Foxtail palm	34.8	2.2	15	368207	326616
D	2	*Xanthostemon chrysanthus*	Golden penda	14	4.7	15	368203	326620
D	3	*Xanthostemon chrysanthus*	Golden penda	44.9	12.2	15	368205	326626
D	4	*Wodyetia bifurcata*	Foxtail palm	45.5	3	15	368212	326630
D	5	*Xanthostemon chrysanthus*	Golden penda	47.6	12.2	15	368213	326638
D	6	*Tamarindus indica*	Asam jawa	49.5	4.7	15	368216	326653
D	7	*Delonix regia*	Semarak api	13.7	3.4	15	368204	326650
D	8	*Delonix regia*	Semarak api	15.8	5.9	15	368174	326668
D	9	*Anacardium occidentale*	Gajus	21	4.9	15	368155	326679
D	10	*Veitchia merrillii*	Manila palm	11.5	3.7	15	368154	326679
D	11	*Veitchia merrillii*	Manila palm	13.7	3.6	15	368151	326681
D	12	*Veitchia merrillii*	Manila palm	12.6	4.1	15	368144	326683
D	13	*Veitchia merrillii*	Manila palm	11.4	2.4	15	368146	326685
D	14	*Xanthostemon chrysanthus*	Golden penda	41.5	12.2	15	368231	326668
D	15	*Xanthostemon chrysanthus*	Golden penda	35.6	11.9	15	368237	326681
D	16	*Wodyetia bifurcata*	Foxtail palm	22.1	2.5	15	368245	326680
D	17	*Yucca aloifolia*	Aloe yucca	14.2	3.2	15	368251	326688
D	18	*Yucca aloifolia*	Aloe yucca	40.4	10.6	15	368249	326695
D	19	*Peltophorum pterocarpum*	Jemerlang laut	59.3	14.6	25	368265	326734

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	20	*Peltophorum pterocarpum*	Jemerlang laut	57.6	13.6	25	368260	326737
D	21	*Peltophorum pterocarpum*	Jemerlang laut	37.8	11.5	25	368261	326746
D	22	*Peltophorum pterocarpum*	Jemerlang laut	53.2	13.6	25	368254	326749
D	23	*Peltophorum pterocarpum*	Jemerlang laut	51.9	11.5	25	368248	326751
D	24	*Peltophorum pterocarpum*	Jemerlang laut	38.9	8.7	25	368242	326751
D	25	*Peltophorum pterocarpum*	Jemerlang laut	45.6	15	25	368239	326752
D	26	*Peltophorum pterocarpum*	Jemerlang laut	55.3	5.9	25	368233	326757
D	27	*Peltophorum pterocarpum*	Jemerlang laut	61.4	12	25	368229	326757
D	28	*Peltophorum pterocarpum*	Jemerlang laut	62.2	14	25	368220	326759
D	29	*Peltophorum pterocarpum*	Jemerlang laut	53.5	15.8	25	368213	326764
D	30	*Peltophorum pterocarpum*	Jemerlang laut	61.5	15	25	368262	326805
D	31	*Peltophorum pterocarpum*	Jemerlang laut	36.4	8.6	25	368271	326796
D	32	*Peltophorum pterocarpum*	Jemerlang laut	25.1	7.6	25	368272	326796
D	33	*Peltophorum pterocarpum*	Jemerlang laut	25.2	9	25	368284	326792
D	34	*Peltophorum pterocarpum*	Jemerlang laut	17.8	7	25	368292	326790
D	35	*Peltophorum pterocarpum*	Jemerlang laut	40.5	9.4	12	368296	326786
D	36	*Roystonea regia*	Royal Palm	23.9	7	13	368312	326787
D	37	*Albizia saman*	Hujan-hujan	48.5	11.1	26	368310	326843
D	38	*Albizia saman*	Hujan-hujan	59.5	11.7	26	368314	326847
D	39	*Albizia saman*	Hujan-hujan	54.3	11.8	26	368319	326856

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	40	*Albizia saman*	Hujan-hujan	42.5	11	26	368323	326864
D	41	*Albizia saman*	Hujan-hujan	52	10	26	368327	326869
D	42	*Albizia saman*	Hujan-hujan	54.2	11.1	26	368331	326875
D	43	*Albizia saman*	Hujan-hujan	43.9	10	26	368338	326879
D	44	*Albizia saman*	Hujan-hujan	40.1	9.7	26	368341	326886
D	45	*Albizia saman*	Hujan-hujan	43.2	9.8	26	368342	326893
D	46	*Albizia saman*	Hujan-hujan	57.4	11.7	26	368344	326904
D	47	*Albizia saman*	Hujan-hujan	35.6	9.6	26	368352	326908
D	48	*Albizia saman*	Hujan-hujan	49.9	11.1	26	368354	326915
D	49	*Albizia saman*	Hujan-hujan	57.9	12.5	26	368361	326922
D	50	*Albizia saman*	Hujan-hujan	46.6	9.7	26	368363	326928
D	51	*Albizia saman*	Hujan-hujan	56.7	14	26	368364	326935
D	52	*Albizia saman*	Hujan-hujan	55.1	13	26	368370	326942
D	53	*Albizia saman*	Hujan-hujan	18.8	7.7	26	368373	326943
D	54	*Albizia saman*	Hujan-hujan	51.1	13.2	26	368377	326945
D	55	*Albizia saman*	Hujan-hujan	46.8	12.3	26	368383	326947
D	56	*Albizia saman*	Hujan-hujan	56.3	12.9	26	368388	326949
D	57	*Albizia saman*	Hujan-hujan	76.7	14.5	26	368394	326949
D	58	*Albizia saman*	Hujan-hujan	42.4	12.9	26	368400	326951
D	59	*Albizia saman*	Hujan-hujan	52.9	12.1	26	368450	326954

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	60	*Azadirachta indica*	Semambu	15.2	5.8	26	368410	326947
D	61	*Azadirachta indica*	Semambu	11.7	6.9	26	368407	326947
D	62	*Tamarindus indica*	Asam Jawa	30.3	10.2	26	368401	326950
D	63	*Roystonea regia*	Royal palm	37.7	8.1	26	368371	326882
D	64	*Roystonea regia*	Royal palm	28.3	8.5	26	368368	326875
D	65	*Roystonea regia*	Royal palm	24.5	7.8	26	368364	326869
D	66	*Veitchia merrillii*	Manila palm	14.6	3.8	26	368361	326864
D	67	*Albizia saman*	Hujan-hujan	59.8	13.3	26	368416	326962
D	68	*Albizia saman*	Hujan-hujan	53	13.1	26	368420	326970
D	69	*Albizia saman*	Hujan-hujan	59.2	13.9	26	368425	326974
D	70	*Albizia saman*	Hujan-hujan	52.2	13.5	26	368424	326977
D	71	*Albizia saman*	Hujan-hujan	55.2	13.4	26	368428	326981
D	72	*Albizia saman*	Hujan-hujan	58.5	12.5	26	368474	326993
D	73	*Albizia saman*	Hujan-hujan	47.5	11.4	26	368438	327999
D	74	*Albizia saman*	Hujan-hujan	57.3	12.5	26	368440	327004
D	75	*Albizia saman*	Hujan-hujan	49.7	12.4	26	368445	327012
D	76	*Albizia saman*	Hujan-hujan	38.9	10.9	26	368448	327020
D	77	*Albizia saman*	Hujan-hujan	52.7	14.9	26	368452	327025
D	78	*Albizia saman*	Hujan-hujan	83.5	15.1	26	368457	327034
D	79	*Tabebuia aurea*	Golden trumpet tree	22	7.2	15	368608	327258

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	80	*Tabebuia rosea*	Pink tecoma	16.1	7.8	15	368615	327275
D	81	*Tabebuia aurea*	Golden trumpet tree	10.7	3.2	26	368617	327266
D	82	*Bougainvillea* sp.	Bunga kertas	11	1.9	15	368623	327275
D	83	*Tabebuia aurea*	Golden trumpet tree	20.2	6.6	15	368623	327277
D	84	*Tabebuia rosea*	Pink tecoma	13.2	7.7	26	368622	327278
D	85	*Tabebuia rosea*	Pink tecoma	11.7	7.7	15	368626	327287
D	86	*Tabebuia rosea*	Pink tecoma	10.1	5.8	15	368632	327288
D	87	*Tabebuia rosea*	Pink tecoma	11.8	7.3	26	368639	327289
D	88	*Tabebuia aurea*	Golden trumpet tree	12.8	4.5	15	368654	327286
D	89	*Tabebuia aurea*	Golden trumpet tree	11	4.6	15	368654	327279
D	90	*Tabebuia rosea*	Pink tecoma	15.8	7.4	26	368656	327293
D	91	*Tabebuia rosea*	Pink tecoma	12.5	5.5	15	368662	327296
D	92	*Plumeria rubra*	Kemboja/Red frangipani	15	5	15	368026	326285
D	93	*Plumeria rubra*	Kemboja/Red frangipani	12.3	5.8	15	368028	326190
D	94	*Plumeria rubra*	Kemboja/Red frangipani	16	5	15	368028	326196
D	95	*Plumeria rubra*	Kemboja/Red frangipani	15.5	3.6	15	368029	326201
D	96	*Plumeria rubra*	Kemboja/Red frangipani	11.8	5.8	15	368029	326027
D	97	*Plumeria rubra*	Kemboja/Red frangipani	15	4.7	15	368030	326213
D	98	*Plumeria rubra*	Kemboja/Red frangipani	19.8	4.1	15	368033	326222
D	99	*Tabebuia rosea*	Pink tecoma	14.5	6.3	15	368032	326223

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	100	*Plumeria rubra*	Kemboja/Red frangipani	16.8	5	15	368033	326232
D	101	*Plumeria rubra*	Kemboja/Red frangipani	16.8	4.9	15	368036	326237
D	102	*Tabebuia rosea*	Pink tecoma	12.7	6.7	15	368037	326242
D	103	*Plumeria rubra*	Kemboja/Red frangipani	16.1	5.9	15	368038	326246
D	104	*Plumeria rubra*	Kemboja/Red frangipani	17.1	5.3	15	368041	326254
D	105	*Tabebuia rosea*	Pink tecoma	11	7.3	15	368041	326261
D	106	*Plumeria rubra*	Kemboja/Red frangipani	20.5	5.3	15	368045	326265
D	107	*Plumeria rubra*	Kemboja/Red frangipani	13.6	4.7	15	368047	326270
D	108	*Tabebuia rosea*	Pink tecoma	10.7	5.8	15	368053	326278
D	109	*Plumeria rubra*	Kemboja/Red frangipani	15.2	4.9	15	368056	326282
D	110	*Plumeria rubra*	Kemboja/Red frangipani	16.3	4.7	15	368056	326287
D	111	*Tabebuia rosea*	Pink tecoma	11.2	5.2	15	368060	326292
D	112	*Plumeria rubra*	Kemboja/Red frangipani	16.5	5.8	15	368064	326295
D	113	*Plumeria rubra*	Kemboja/Red frangipani	20.3	4.7	15	368065	326300
D	114	*Tabebuia rosea*	Pink tecoma	10.9	5.2	15	368070	326307
D	115	*Plumeria rubra*	Kemboja/Red frangipani	16.4	5.3	15	368072	326310
D	116	*Plumeria rubra*	Kemboja/Red frangipani	19.3	5.3	15	368076	326317
D	117	*Tabebuia rosea*	Pink tecoma	10	5.7	15	368079	326321
D	118	*Plumeria rubra*	Kemboja/Red frangipani	15.9	6.3	15	368083	326325
D	119	*Plumeria rubra*	Kemboja/Red frangipani	14.2	4.2	15	368084	326332

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	120	*Tabebuia rosea*	Pink tecoma	15.2	4.7	15	368088	326337
D	121	*Plumeria rubra*	Kemboja/Red frangipani	18	7.6	15	368090	326342
D	122	*Plumeria rubra*	Kemboja/Red frangipani	18	5.4	15	368095	326348
D	123	*Tabebuia rosea*	Pink tecoma	12.3	4.5	15	368098	326352
D	124	*Plumeria rubra*	Kemboja/Red frangipani	16.3	6.7	15	368104	326363
D	125	*Plumeria rubra*	Kemboja/Red frangipani	20.7	5	15	368106	326369
D	126	*Tabebuia rosea*	Pink tecoma	12.8	5.6	15	368108	326373
D	127	*Plumeria rubra*	Kemboja/Red frangipani	23.8	6.3	15	368112	326377
D	128	*Plumeria rubra*	Kemboja/Red frangipani	21.7	5.4	15	368115	326383
D	129	*Tabebuia rosea*	Pink tecoma	13.6	5.9	15	368119	326388
D	130	*Plumeria rubra*	Kemboja/Red frangipani	21.3	7.9	15	368122	326394
D	131	*Plumeria rubra*	Kemboja/Red frangipani	13.7	5.7	15	368122	326398
D	132	*Tabebuia rosea*	Pink tecoma	11.1	6.3	15	326128	326404
D	133	*Plumeria rubra*	Kemboja/Red frangipani	14.3	6.6	15	368130	326409
D	134	*Plumeria rubra*	Kemboja/Red frangipani	19.9	5.7	15	368134	326143
D	135	*Tabebuia rosea*	Pink tecoma	14.2	5.7	15	368138	326419
D	136	*Plumeria rubra*	Kemboja/Red frangipani	21	7.5	15	368140	326424
D	137	*Plumeria rubra*	Kemboja/Red frangipani	22.8	5.4	15	368146	326429
D	138	*Tabebuia rosea*	Pink tecoma	15.4	5.7	15	368146	326435
D	139	*Plumeria rubra*	Kemboja/Red frangipani	11.5	7.1	15	368149	326439

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	140	*Plumeria rubra*	Kemboja/Red frangipani	14.6	4.3	15	368152	326445
D	141	*Tabebuia rosea*	Pink tecoma	12.4	7	15	368155	326451
D	142	*Plumeria rubra*	Kemboja/Red frangipani	20.6	5.6	15	368157	326455
D	143	*Plumeria rubra*	Kemboja/Red frangipani	20.4	6.3	15	368161	326460
D	144	*Tabebuia rosea*	Pink tecoma	15.9	7.3	15	368165	326465
D	145	*Plumeria rubra*	Kemboja/Red frangipani	15.8	6.1	15	368167	326472
D	146	*Plumeria rubra*	Kemboja/Red frangipani	11.8	5.3	15	368172	326476
D	147	*Tabebuia rosea*	Pink tecoma	13	6.5	15	368174	326482
D	148	*Plumeria rubra*	Kemboja/Red frangipani	14.9	5.3	15	368178	326487
D	149	*Plumeria rubra*	Kemboja/Red frangipani	17.3	6.3	15	368178	326490
D	150	*Tabebuia rosea*	Pink tecoma	18.4	6.6	15	368182	326496
D	151	*Plumeria rubra*	Kemboja/Red frangipani	18.4	5.4	15	368185	326501
D	152	*Plumeria rubra*	Kemboja/Red frangipani	12	5.4	15	368188	326507
D	153	*Tabebuia rosea*	Pink tecoma	15.7	5.9	15	368194	326517
D	154	*Plumeria rubra*	Kemboja/Red frangipani	16.9	6	15	368197	326523
D	155	*Plumeria rubra*	Kemboja/Red frangipani	16	5.6	15	368206	326533
D	156	*Tabebuia rosea*	Pink tecoma	14	5.1	15	368209	326538
D	157	*Plumeria rubra*	Kemboja/Red frangipani	21	6.1	15	368214	326548
D	158	*Plumeria rubra*	Kemboja/Red frangipani	4.9	6.1	15	368218	326554
D	159	*Tabebuia rosea*	Pink tecoma	13.7	8	15	368221	326561

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	160	*Plumeria rubra*	Kemboja/Red frangipani	20	6.1	15	368223	326564
D	161	*Plumeria rubra*	Kemboja/Red frangipani	19	6.1	15	368228	326569
D	162	*Tabebuia rosea*	Pink tecoma	17.4	6	15	368231	326578
D	163	*Plumeria rubra*	Kemboja/Red frangipani	20.8	5.6	15	368233	326583
D	164	*Tabebuia rosea*	Pink tecoma	15.7	5.8	15	368238	326589
D	165	*Plumeria rubra*	Kemboja/Red frangipani	14.5	5.6	15	368240	326593
D	166	*Tabebuia rosea*	Pink tecoma	18	5.3	15	368244	326600
D	167	*Plumeria rubra*	Kemboja/Red frangipani	13	5.8	15	368247	326606
D	168	*Plumeria rubra*	Kemboja/Red frangipani	17	6.2	15	368249	326611
D	169	*Plumeria rubra*	Kemboja/Red frangipani	21.7	6.2	15	368254	326616
D	170	*Plumeria rubra*	Kemboja/Red frangipani	20.2	5.6	15	368259	326626
D	171	*Plumeria rubra*	Kemboja/Red frangipani	13.6	5.3	15	368261	326631
D	172	*Tabebuia rosea*	Pink tecoma	14	6.3	15	368265	326636
D	173	*Plumeria rubra*	Kemboja/Red frangipani	17.7	5.5	15	368271	326639
D	174	*Plumeria rubra*	Kemboja/Red frangipani	18	4	15	368271	326645
D	175	*Tabebuia rosea*	Pink tecoma	14.1	5.2	15	368275	326652
D	176	*Plumeria rubra*	Kemboja/Red frangipani	18.6	5.3	15	368277	326655
D	177	*Plumeria rubra*	Kemboja/Red frangipani	22.4	6.1	15	368281	326663
D	178	*Tabebuia rosea*	Pink tecoma	12	3.8	15	368283	326668
D	179	*Plumeria rubra*	Kemboja/Red frangipani	21.2	7.7	15	368285	326672

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	180	*Plumeria rubra*	Kemboja/Red frangipani	17.7	5.5	15	368289	326676
D	181	*Tabebuia rosea*	Pink tecoma	12	6.9	15	368294	326684
D	182	*Plumeria rubra*	Kemboja/Red frangipani	19.8	6.3	15	368296	326689
D	183	*Plumeria rubra*	Kemboja/Red frangipani	23	5.7	15	368300	326693
D	184	*Tabebuia rosea*	Pink tecoma	14.5	6.7	15	368301	326699
D	185	*Plumeria rubra*	Kemboja/Red frangipani	20.4	4.9	15	368304	326704
D	186	*Plumeria rubra*	Kemboja/Red frangipani	19.9	5.9	15	368305	326708
D	187	*Plumeria rubra*	Kemboja/Red frangipani	16.8	5.4	15	368314	326718
D	188	*Plumeria rubra*	Kemboja/Red frangipani	19	5.1	15	368317	326722
D	189	*Tabebuia rosea*	Pink tecoma	14.7	6.3	15	368320	326729
D	190	*Plumeria rubra*	Kemboja/Red frangipani	16.7	4.3	15	368322	326734
D	191	*Plumeria rubra*	Kemboja/Red frangipani	15.8	4.3	15	368325	326740
D	192	*Tabebuia rosea*	Pink tecoma	13.7	5.3	15	368370	326744
D	193	*Plumeria rubra*	Kemboja/Red frangipani	15.6	3.9	15	368332	326748
D	194	*Plumeria rubra*	Kemboja/Red frangipani	18	5.4	15	368332	326754
D	195	*Tabebuia rosea*	Pink tecoma	16.8	8.1	15	368337	326758
D	196	*Plumeria rubra*	Kemboja/Red frangipani	20	5.2	15	368340	326764
D	197	*Plumeria rubra*	Kemboja/Red frangipani	19.2	4.5	15	368344	326770
D	198	*Tabebuia rosea*	Pink tecoma	11.9	4.6	15	368347	326776
D	199	*Plumeria rubra*	Kemboja/Red frangipani	19.8	4.9	15	368350	326780

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	200	*Plumeria rubra*	Kemboja/Red frangipani	19.9	4.9	15	368354	326786
D	201	*Plumeria rubra*	Kemboja/Red frangipani	14.2	6.3	15	368358	326791
D	202	*Plumeria rubra*	Kemboja/Red frangipani	13.3	4.7	15	368361	326797
D	203	*Plumeria rubra*	Kemboja/Red frangipani	17.2	5.2	15	368365	326802
D	204	*Tabebuia rosea*	Pink tecoma	11.7	6.2	15	368367	326807
D	205	*Plumeria rubra*	Kemboja/Red frangipani	24.2	5.6	15	368370	326811
D	206	*Plumeria rubra*	Kemboja/Red frangipani	15.5	5.8	15	368373	326817
D	207	*Tabebuia rosea*	Pink tecoma	13.5	5.8	15	368376	326823
D	208	*Plumeria rubra*	Kemboja/Red frangipani	14.7	4.9	15	368379	326828
D	209	*Plumeria rubra*	Kemboja/Red frangipani	22.6	4.9	15	368382	326831
D	210	*Tabebuia rosea*	Pink tecoma	19.6	7.7	15	368385	326838
D	211	*Plumeria rubra*	Kemboja/Red frangipani	23.6	5.5	15	368388	326843
D	212	*Plumeria rubra*	Kemboja/Red frangipani	22.2	4.9	15	368389	326846
D	213	*Tabebuia rosea*	Pink tecoma	19.1	8.2	15	368394	326854
D	214	*Plumeria rubra*	Kemboja/Red frangipani	21	5.7	15	368397	326857
D	215	*Plumeria rubra*	Kemboja/Red frangipani	17.9	4.7	15	368401	326862
D	216	*Tabebuia rosea*	Pink tecoma	17.7	7.1	15	368403	326868
D	217	*Plumeria rubra*	Kemboja/Red frangipani	16.8	4.7	15	368406	326873
D	218	*Plumeria rubra*	Kemboja/Red frangipani	20	5.1	15	368410	326879
D	219	*Tabebuia rosea*	Pink tecoma	17.3	6.8	15	368412	326884

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	220	*Plumeria rubra*	Kemboja/Red frangipani	21.7	5.4	15	368414	326888
D	221	*Plumeria rubra*	Kemboja/Red frangipani	18.8	4.4	15	368418	326895
D	222	*Tabebuia rosea*	Pink tecoma	15.6	5.3	15	368421	326900
D	223	*Plumeria rubra*	Kemboja/Red frangipani	21	5.5	15	368426	326904
D	224	*Plumeria rubra*	Kemboja/Red frangipani	17.7	5.5	15	368426	326911
D	225	*Tabebuia rosea*	Pink tecoma	15	5.2	15	368430	326915
D	226	*Plumeria rubra*	Kemboja/Red frangipani	16.4	5.1	15	368433	326919
D	227	*Plumeria rubra*	Kemboja/Red frangipani	14.2	5.3	15	368436	326926
D	228	*Tabebuia rosea*	Pink tecoma	16.5	6.7	15	368439	326929
D	229	*Plumeria rubra*	Kemboja/Red frangipani	17.3	5.8	15	368443	326935
D	230	*Plumeria rubra*	Kemboja/Red frangipani	15	4.5	15	368446	326942
D	231	*Tabebuia rosea*	Pink tecoma	13.7	6	15	368450	326945
D	232	*Plumeria rubra*	Kemboja/Red frangipani	13.7	4.8	15	368451	326950
D	233	*Plumeria rubra*	Kemboja/Red frangipani	19.3	5.1	15	368455	326956
D	234	*Tabebuia rosea*	Pink tecoma	17.4	7	15	368458	326960
D	235	*Plumeria rubra*	Kemboja/Red frangipani	20.6	5.4	15	368460	326964
D	236	*Plumeria rubra*	Kemboja/Red frangipani	19.5	5.2	15	368445	326971
D	237	*Tabebuia rosea*	Pink tecoma	16.8	2.2	15	368467	326977
D	238	*Tabebuia rosea*	Pink tecoma	13.2	5.7	15	368469	326982
D	239	*Plumeria rubra*	Kemboja/Red frangipani	21.5	5.3	15	368474	326987

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	240	*Plumeria rubra*	Kemboja/Red frangipani	18.5	4.9	15	368476	326992
D	241	*Tabebuia rosea*	Pink tecoma	15.5	3.5	15	368480	326998
D	242	*Tabebuia rosea*	Pink tecoma	18.2	5.4	15	368482	327002
D	243	*Plumeria rubra*	Kemboja/Red frangipani	15.9	4.5	15	368487	327010
D	244	*Tabebuia rosea*	Pink tecoma	11.6	5.5	15	368491	327018
D	245	*Plumeria rubra*	Kemboja/Red frangipani	22.3	5.3	15	368496	327022
D	246	*Plumeria rubra*	Kemboja/Red frangipani	21.2	4.6	15	368499	327028
D	247	*Tabebuia rosea*	Pink tecoma	15.7	5.6	15	368501	327035
D	248	*Plumeria rubra*	Kemboja/Red frangipani	19.7	5.5	15	368504	327039
D	249	*Plumeria rubra*	Kemboja/Red frangipani	19.8	5.8	15	368507	327044
D	250	*Tabebuia rosea*	Pink tecoma	13.3	5.3	15	368510	327049
D	251	*Plumeria rubra*	Kemboja/Red frangipani	18.6	4.8	15	368514	327053
D	252	*Plumeria rubra*	Kemboja/Red frangipani	19.8	5.4	15	368517	327060
D	253	*Tabebuia rosea*	Pink tecoma	14	6.1	15	368519	327066
D	254	*Plumeria rubra*	Kemboja/Red frangipani	13.2	4.6	15	368523	327071
D	255	*Plumeria rubra*	Kemboja/Red frangipani	11.8	4.3	15	368524	327076
D	256	*Tabebuia rosea*	Pink tecoma	13.3	5.9	15	368528	327081
D	257	*Plumeria rubra*	Kemboja/Red frangipani	12.8	4.7	15	368530	327085
D	258	*Plumeria rubra*	Kemboja/Red frangipani	15.6	5	15	368534	327091
D	259	*Tabebuia rosea*	Pink tecoma	12.5	7.1	15	368537	327095

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	260	*Plumeria rubra*	Kemboja/Red frangipani	16.9	4.9	15	368540	327099
D	261	*Plumeria rubra*	Kemboja/Red frangipani	15.2	4.4	15	368544	327106
D	262	*Tabebuia rosea*	Pink tecoma	18.3	5.9	15	368547	327111
D	263	*Plumeria rubra*	Kemboja/Red frangipani	18.3	5.4	15	368550	327116
D	264	*Plumeria rubra*	Kemboja/Red frangipani	15.5	4.8	15	368553	327123
D	265	*Tabebuia rosea*	Pink tecoma	15.5	6.5	15	368556	327125
D	266	*Plumeria rubra*	Kemboja/Red frangipani	16.2	4.5	15	368558	327132
D	267	*Plumeria rubra*	Kemboja/Red frangipani	14.8	4.4	15	368561	327317
D	268	*Plumeria rubra*	Kemboja/Red frangipani	16.8	5.5	15	368569	327147
D	269	*Plumeria rubra*	Kemboja/Red frangipani	18.2	4.7	15	368574	327149
D	270	*Plumeria rubra*	Kemboja/Red frangipani	16.9	5.4	15	368579	327157
D	271	*Plumeria rubra*	Kemboja/Red frangipani	14.8	5.5	15	368584	327162
D	272	*Tabebuia rosea*	Pink tecoma	16.5	7.4	15	368590	327168
D	273	*Plumeria rubra*	Kemboja/Red frangipani	18.8	5.1	15	368593	327172
D	274	*Plumeria rubra*	Kemboja/Red frangipani	20.7	4.4	15	368598	327176
D	275	*Tabebuia rosea*	Pink tecoma	16.8	6.7	15	368599	327181
D	276	*Plumeria rubra*	Kemboja/Red frangipani	15.5	4.9	15	368602	327181
D	277	*Plumeria rubra*	Kemboja/Red frangipani	17.8	5.5	15	368608	327185
D	278	*Tabebuia rosea*	Pink tecoma	14.7	6.5	15	368609	327189
D	279	*Plumeria rubra*	Kemboja/Red frangipani	15.8	5.4	15	368614	327193

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
D	280	*Plumeria rubra*	Kemboja/Red frangipani	21.6	5.4	15	368618	327195
D	281	*Plumeria rubra*	Kemboja/Red frangipani	15.6	5.9	15	368623	327207
D	282	*Plumeria rubra*	Kemboja/Red frangipani	17.2	5.2	15	368628	327208
D	283	*Plumeria rubra*	Kemboja/Red frangipani	19.4	4.4	15	368635	327214
D	284	*Plumeria rubra*	Kemboja/Red frangipani	13.5	4.9	15	368641	327217
D	285	*Tabebuia rosea*	Pink tecoma	12	5.6	15	368642	327221
D	286	*Plumeria rubra*	Kemboja/Red frangipani	15	4.9	15	368648	327223
D	287	*Plumeria rubra*	Kemboja/Red frangipani	11	4.9	15	368650	327227
D	288	*Tabebuia rosea*	Pink tecoma	11.2	3.6	15	368656	327230
D	289	*Plumeria rubra*	Kemboja/Red frangipani	17.5	4.9	15	368662	327233
D	290	*Plumeria rubra*	Kemboja/Red frangipani	14.9	4.2	15	368666	327237
D	291	*Tabebuia rosea*	Pink tecoma	12.7	3.9	15	368669	327240
D	292	*Plumeria rubra*	Kemboja/Red frangipani	20.6	4.6	15	368673	327242
D	293	*Plumeria rubra*	Kemboja/Red frangipani	12.4	4.8	15	368677	327245
D	294	*Tabebuia rosea*	Pink tecoma	13.9	3.8	15	368681	327247
D	295	*Plumeria rubra*	Kemboja/Red frangipani	16	4.7	15	368685	327250
D	296	*Plumeria rubra*	Kemboja/Red frangipani	14.5	5.8	15	368688	327255
D	297	*Plumeria rubra*	Kemboja/Red frangipani	16	4.9	15	368688	327253
E	1	*Thyrsostachys siamensis*	Buluh siam	3.3	6.7	20	368140	326603
E	2	*Thyrsostachys siamensis*	Buluh siam	2.6	6	20	368140	326603

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	3	*Thyrsostachys siamensis*	Buluh siam	2.5	4.5	20	368138	326604
E	4	*Thyrsostachys siamensis*	Buluh siam	3	5	20	368135	326604
E	5	*Thyrsostachys siamensis*	Buluh siam	3.4	5.7	20	368135	326602
E	6	*Thyrsostachys siamensis*	Buluh siam	3.5	4.3	20	368135	326602
E	7	*Thyrsostachys siamensis*	Buluh siam	3.5	6.3	20	368135	326603
E	8	*Thyrsostachys siamensis*	Buluh siam	3.6	7.6	20	368136	326600
E	9	*Thyrsostachys siamensis*	Buluh siam	2.7	5.4	20	368137	326603
E	10	*Thyrsostachys siamensis*	Buluh siam	2.7	5.7	20	368137	326604
E	11	*Thyrsostachys siamensis*	Buluh siam	3.1	5.9	20	368131	326603
E	12	*Thyrsostachys siamensis*	Buluh siam	2.9	5.7	20	368131	326602
E	13	*Thyrsostachys siamensis*	Buluh siam	2.5	5.2	20	368131	326599
E	14	*Thyrsostachys siamensis*	Buluh siam	3.1	6.8	20	368133	326596
E	15	*Thyrsostachys siamensis*	Buluh siam	4.1	8.2	20	368130	326595
E	16	*Thyrsostachys siamensis*	Buluh siam	3.2	6.3	20	368129	326595
E	17	*Thyrsostachys siamensis*	Buluh siam	3.3	7.2	20	368129	326596
E	18	*Thyrsostachys siamensis*	Buluh siam	3.2	6	20	368130	326597
E	19	*Thyrsostachys siamensis*	Buluh siam	3.3	7.3	20	368170	326598
E	20	*Thyrsostachys siamensis*	Buluh siam	2.8	6.4	20	368128	326601
E	21	*Thyrsostachys siamensis*	Buluh siam	2.9	6.5	20	368126	326601
E	22	*Thyrsostachys siamensis*	Buluh siam	3	6.5	20	368124	326600

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	23	*Thyrsostachys siamensis*	Buluh siam	3.1	6.4	20	368125	326598
E	24	*Thyrsostachys siamensis*	Buluh siam	2.3	6	20	368124	326598
E	25	*Thyrsostachys siamensis*	Buluh siam	2.4	5.2	20	368120	326600
E	26	*Thyrsostachys siamensis*	Buluh siam	3.3	7.2	20	368122	326598
E	27	*Thyrsostachys siamensis*	Buluh siam	3.4	6.7	20	368124	326598
E	28	*Thyrsostachys siamensis*	Buluh siam	3.3	7.3	20	368121	326597
E	29	*Thyrsostachys siamensis*	Buluh siam	4	7.3	20	368118	326597
E	30	*Thyrsostachys siamensis*	Buluh siam	3.6	6.9	20	368118	326598
E	31	*Thyrsostachys siamensis*	Buluh siam	3	5.4	20	368116	326596
E	32	*Thyrsostachys siamensis*	Buluh siam	3.2	6	20	368117	326594
E	33	*Thyrsostachys siamensis*	Buluh siam	3	7.1	20	368123	326593
E	34	*Thyrsostachys siamensis*	Buluh siam	3	6.4	20	368124	326596
E	35	*Thyrsostachys siamensis*	Buluh siam	3.5	5.5	20	368128	326591
E	36	*Thyrsostachys siamensis*	Buluh siam	4.3	7.9	20	368126	326588
E	37	*Thyrsostachys siamensis*	Buluh siam	4	7.8	20	368120	326588
E	38	*Thyrsostachys siamensis*	Buluh siam	2.5	5.9	20	368117	326590
E	39	*Thyrsostachys siamensis*	Buluh siam	3.5	6.1	20	368115	326588
E	40	*Thyrsostachys siamensis*	Buluh siam	2.8	7.2	20	368113	326598
E	41	*Thyrsostachys siamensis*	Buluh siam	3.1	7.4	20	368112	326588
E	42	*Thyrsostachys siamensis*	Buluh siam	2.8	4.9	20	368114	326587

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	43	*Thyrsostachys siamensis*	Buluh siam	3.5	6.7	20	368111	326587
E	44	*Thyrsostachys siamensis*	Buluh siam	3	6.7	20	368112	326586
E	45	*Thyrsostachys siamensis*	Buluh siam	2.2	5	20	368112	326586
E	46	*Thyrsostachys siamensis*	Buluh siam	3.6	6.1	20	368112	326587
E	47	*Thyrsostachys siamensis*	Buluh siam	3.1	6.9	20	368111	326581
E	48	*Thyrsostachys siamensis*	Buluh siam	3.1	6.4	20	368111	326582
E	49	*Thyrsostachys siamensis*	Buluh siam	2.8	6.8	20	368112	326579
E	50	*Thyrsostachys siamensis*	Buluh siam	3.1	5.5	20	368112	326580
E	51	*Thyrsostachys siamensis*	Buluh siam	3.2	7.1	20	368108	326580
E	52	*Thyrsostachys siamensis*	Buluh siam	3.3	6	20	368112	326609
E	53	*Thyrsostachys siamensis*	Buluh siam	2.7	6.5	20	368109	326609
E	54	*Thyrsostachys siamensis*	Buluh siam	3	6.5	20	368108	326608
E	55	*Thyrsostachys siamensis*	Buluh siam	2.6	5.9	20	368107	326606
E	56	*Thyrsostachys siamensis*	Buluh siam	2.3	5.1	20	368108	326610
E	57	*Thyrsostachys siamensis*	Buluh siam	2.9	5.5	20	368109	326608
E	58	*Thyrsostachys siamensis*	Buluh siam	3.6	6.3	20	368112	326607
E	59	*Thyrsostachys siamensis*	Buluh siam	2.7	5.9	20	368119	326606
E	60	*Thyrsostachys siamensis*	Buluh siam	2.4	4.3	20	368119	326606
E	61	*Thyrsostachys siamensis*	Buluh siam	2.3	4.5	20	368120	326607
E	62	*Thyrsostachys siamensis*	Buluh siam	2.7	5.5	20	368121	326607

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	63	*Thyrsostachys siamensis*	Buluh siam	2.2	4.3	20	368119	326612
E	64	*Thyrsostachys siamensis*	Buluh siam	3.5	6.1	20	368120	326611
E	65	*Thyrsostachys siamensis*	Buluh siam	2.7	5.3	20	368117	326605
E	66	*Thyrsostachys siamensis*	Buluh siam	2.1	5.5	20	368115	326606
E	67	*Thyrsostachys siamensis*	Buluh siam	3.2	6.4	20	368114	326608
E	68	*Thyrsostachys siamensis*	Buluh siam	3	6.1	20	368119	326613
E	69	*Thyrsostachys siamensis*	Buluh siam	3	6	20	368116	326614
E	70	*Thyrsostachys siamensis*	Buluh siam	3.1	6.8	20	368116	326617
E	71	*Thyrsostachys siamensis*	Buluh siam	3.4	6	20	368113	326617
E	72	*Thyrsostachys siamensis*	Buluh siam	3.2	5.8	20	368112	326612
E	73	*Thyrsostachys siamensis*	Buluh siam	3.8	6	20	368111	326612
E	74	*Thyrsostachys siamensis*	Buluh siam	2.5	5.4	20	368110	326613
E	75	*Thyrsostachys siamensis*	Buluh siam	2.2	5.4	20	368106	326614
E	76	*Thyrsostachys siamensis*	Buluh siam	2.9	6.5	20	368107	326616
E	77	*Thyrsostachys siamensis*	Buluh siam	3.2	6.2	20	368111	326619
E	78	*Thyrsostachys siamensis*	Buluh siam	3.2	6.2	20	368108	326618
E	79	*Thyrsostachys siamensis*	Buluh siam	3.4	6.1	20	368107	326618
E	80	*Thyrsostachys siamensis*	Buluh siam	2.5	3.6	20	368107	326619
E	81	*Thyrsostachys siamensis*	Buluh siam	3	6.1	20	368105	326618
E	82	*Thyrsostachys siamensis*	Buluh siam	2.5	6.2	20	368103	326616

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	83	*Thyrsostachys siamensis*	Buluh siam	2.7	6.4	20	368102	326617
E	84	*Thyrsostachys siamensis*	Buluh siam	3.6	6	20	368105	326621
E	85	*Thyrsostachys siamensis*	Buluh siam	2	4.3	20	368101	326617
E	86	*Thyrsostachys siamensis*	Buluh siam	3.5	7.7	20	368104	326617
E	87	*Thyrsostachys siamensis*	Buluh siam	2.8	5.1	20	368105	326617
E	88	*Thyrsostachys siamensis*	Buluh siam	3.2	6.7	20	368105	326617
E	89	*Thyrsostachys siamensis*	Buluh siam	2.3	3.7	20	368105	326618
E	90	*Thyrsostachys siamensis*	Buluh siam	2.4	6.3	20	368101	326618
E	91	*Thyrsostachys siamensis*	Buluh siam	2.8	6.1	20	368100	326618
E	92	*Thyrsostachys siamensis*	Buluh siam	3.2	6.1	20	368098	326619
E	93	*Thyrsostachys siamensis*	Buluh siam	2.6	6	20	368099	326617
E	94	*Thyrsostachys siamensis*	Buluh siam	3.2	5.7	20	368099	326617
E	95	*Thyrsostachys siamensis*	Buluh siam	2.3	4.9	20	368099	326618
E	96	*Thyrsostachys siamensis*	Buluh siam	2	4.3	20	368097	326618
E	97	*Thyrsostachys siamensis*	Buluh siam	3.3	6	20	368103	326623
E	98	*Thyrsostachys siamensis*	Buluh siam	3	5.7	20	368102	326624
E	99	*Thyrsostachys siamensis*	Buluh siam	2.2	4.7	20	368102	326624
E	100	*Thyrsostachys siamensis*	Buluh siam	3.4	5.7	20	368101	326624
E	101	*Thyrsostachys siamensis*	Buluh siam	2.7	4.5	20	368099	326625
E	102	*Thyrsostachys siamensis*	Buluh siam	3.3	5.6	20	368098	326626

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	103	*Thyrsostachys siamensis*	Buluh siam	3.4	6.5	20	368098	326625
E	104	*Thyrsostachys siamensis*	Buluh siam	2.2	5.1	20	368093	326628
E	105	*Thyrsostachys siamensis*	Buluh siam	3.2	6.4	20	368092	326624
E	106	*Thyrsostachys siamensis*	Buluh siam	3.5	6.7	20	368087	326625
E	107	*Thyrsostachys siamensis*	Buluh siam	2.7	5.5	20	368096	326624
E	108	*Thyrsostachys siamensis*	Buluh siam	2.5	5.2	20	368087	326626
E	109	*Thyrsostachys siamensis*	Buluh siam	2.5	5.9	20	368086	326624
E	110	*Thyrsostachys siamensis*	Buluh siam	3.5	5.9	20	368087	326622
E	111	*Thyrsostachys siamensis*	Buluh siam	2.8	5.2	20	368090	326625
E	112	*Thyrsostachys siamensis*	Buluh siam	2.7	5.1	20	368095	326626
E	113	*Thyrsostachys siamensis*	Buluh siam	3	6.3	20	368094	326627
E	114	*Thyrsostachys siamensis*	Buluh siam	2	4.2	20	368092	326630
E	115	*Thyrsostachys siamensis*	Buluh siam	3.3	6.3	20	368087	326626
E	116	*Thyrsostachys siamensis*	Buluh siam	3.3	5.3	20	368088	326627
E	117	*Thyrsostachys siamensis*	Buluh siam	3.9	7	20	368088	326627
E	118	*Thyrsostachys siamensis*	Buluh siam	3	5.9	20	368089	326629
E	119	*Thyrsostachys siamensis*	Buluh siam	3.4	6	20	368086	326627
E	120	*Thyrsostachys siamensis*	Buluh siam	2.5	5.7	20	368086	326627
E	121	*Thyrsostachys siamensis*	Buluh siam	3.3	6.4	20	368084	326627
E	122	*Thyrsostachys siamensis*	Buluh siam	2.7	4	20	368083	326627

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	123	*Thyrsostachys siamensis*	Buluh siam	3.2	6.4	20	368083	326627
E	124	*Thyrsostachys siamensis*	Buluh siam	2.7	6.6	20	368084	326631
E	125	*Thyrsostachys siamensis*	Buluh siam	3.2	6	20	368082	326629
E	126	*Thyrsostachys siamensis*	Buluh siam	3.1	6.5	20	368085	326633
E	127	*Thyrsostachys siamensis*	Buluh siam	2.5	5.6	20	368083	326633
E	128	*Thyrsostachys siamensis*	Buluh siam	2.9	5.6	20	368082	326633
E	129	*Thyrsostachys siamensis*	Buluh siam	3	4.7	20	368081	326633
E	130	*Thyrsostachys siamensis*	Buluh siam	3.2	5.1	20	368081	326633
E	131	*Thyrsostachys siamensis*	Buluh siam	2.8	5.4	20	368081	326632
E	132	*Thyrsostachys siamensis*	Buluh siam	2.6	5.6	20	368075	326632
E	133	*Thyrsostachys siamensis*	Buluh siam	2.8	6.3	20	368075	326632
E	134	*Thyrsostachys siamensis*	Buluh siam	2.6	4	20	368074	326634
E	135	*Thyrsostachys siamensis*	Buluh siam	2.5	5.2	20	368076	326637
E	136	*Thyrsostachys siamensis*	Buluh siam	3.3	6.9	20	368071	326636
E	137	*Thyrsostachys siamensis*	Buluh siam	3	5.8	20	368072	326636
E	138	*Thyrsostachys siamensis*	Buluh siam	3.4	5.5	20	368072	326636
E	139	*Thyrsostachys siamensis*	Buluh siam	2.6	4.2	20	368067	326642
E	140	*Thyrsostachys siamensis*	Buluh siam	3.3	6.6	20	368068	326643
E	141	*Thyrsostachys siamensis*	Buluh siam	2.5	5.4	20	368067	326637
E	142	*Thyrsostachys siamensis*	Buluh siam	2	4.7	20	368068	326634

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	143	*Thyrsostachys siamensis*	Buluh siam	2.9	6.5	20	368072	326632
E	144	*Thyrsostachys siamensis*	Buluh siam	2.8	5.6	20	368072	326633
E	145	*Thyrsostachys siamensis*	Buluh siam	3.5	6.4	20	368070	326639
E	146	*Thyrsostachys siamensis*	Buluh siam	2.4	3.8	20	368068	326639
E	147	*Thyrsostachys siamensis*	Buluh siam	3	5.9	20	368067	326640
E	148	*Thyrsostachys siamensis*	Buluh siam	3.8	6.3	20	368066	326640
E	149	*Thyrsostachys siamensis*	Buluh siam	3.2	7.4	20	368066	326640
E	150	*Thyrsostachys siamensis*	Buluh siam	3	6.8	20	368064	326642
E	151	*Thyrsostachys siamensis*	Buluh siam	2.9	7.1	20	368059	326639
E	152	*Thyrsostachys siamensis*	Buluh siam	3.1	6.7	20	368059	326637
E	153	*Thyrsostachys siamensis*	Buluh siam	3	5.5	20	368055	326634
E	154	*Thyrsostachys siamensis*	Buluh siam	3.2	7.2	20	368055	326630
E	155	*Thyrsostachys siamensis*	Buluh siam	3.2	6	20	368057	326631
E	156	*Thyrsostachys siamensis*	Buluh siam	3.3	6.6	20	368059	326629
E	157	*Thyrsostachys siamensis*	Buluh siam	2.8	5.6	20	368060	326629
E	158	*Thyrsostachys siamensis*	Buluh siam	3.2	6.3	20	368056	326628
E	159	*Thyrsostachys siamensis*	Buluh siam	3.4	6.8	20	368062	326627
E	160	*Thyrsostachys siamensis*	Buluh siam	2.8	6.3	20	368062	326630
E	161	*Thyrsostachys siamensis*	Buluh siam	2.7	6.1	20	368066	326629
E	162	*Thyrsostachys siamensis*	Buluh siam	2.8	5.7	20	368066	326629

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
E	163	*Thyrsostachys siamensis*	Buluh siam	2.6	5.5	20	368068	326628
E	164	*Thyrsostachys siamensis*	Buluh siam	3.7	6	20	368068	326629
E	165	*Thyrsostachys siamensis*	Buluh siam	2.3	5.9	20	368069	326628
E	166	*Thyrsostachys siamensis*	Buluh siam	2.9	5.6	20	368069	326628
E	167	*Thyrsostachys siamensis*	Buluh siam	3	7.5	20	368085	326635
E	168	*Thyrsostachys siamensis*	Buluh siam	3.1	7.7	20	368082	326636
F	1	Avicennia alba	Api api putih	11.2	6.8	10	368015	327098
F	2	Avicennia alba	Api api putih	12.2	8.3	10	368016	327097
F	4	Avicennia alba	Api api putih	13.2	7.5	10	368014	327093
F	6	Avicennia alba	Api api putih	12.5	5.7	10	368008	327081
F	9	Avicennia alba	Api api putih	11.8	10.2	10	367972	327017
F	10	Avicennia alba	Api api putih	11.5	10.6	10	367970	327017
F	11	Avicennia alba	Api api putih	11.7	9.7	10	367971	327014
F	12	Avicennia alba	Api api putih	10.8	8.7	10	367969	327016
F	13	Avicennia alba	Api api putih	11.5	11.4	10	367967	327017
F	14	Avicennia alba	Api api putih	11.6	9	10	367970	327014
F	15	Avicennia alba	Api api putih	10.8	10.7	10	367969	327015
F	16	Avicennia alba	Api api putih	12	10.2	10	367966	327017
F	17	Avicennia alba	Api api putih	11.5	9.6	10	367966	327017
F	18	Avicennia alba	Api api putih	17.5	11.8	10	367968	327015

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
F	19	Avicennia alba	Api api putih	17.8	11.6	10	367966	327016
F	20	Avicennia alba	Api api putih	17.2	12.4	10	367967	327011
F	21	Avicennia alba	Api api putih	13.5	10.6	10	367966	327008
F	22	Avicennia alba	Api api putih	17	9.9	10	367964	327008
F	23	Avicennia alba	Api api putih	17.5	8.4	10	367964	327006
F	24	Avicennia alba	Api api putih	16.6	6.7	10	367962	327003
F	25	Avicennia alba	Api api putih	14.5	6.5	10	367940	326961
F	29	Avicennia alba	Api api putih	11.2	6.5	10	367771	326704
F	30	Avicennia alba	Api api putih	16.2	9	10	367761	326692
F	31	Avicennia alba	Api api putih	16.3	7.6	10	367758	326686
F	33	Avicennia alba	Api api putih	10.5	6.9	10	367758	326676
F	34	Avicennia alba	Api api putih	10.8	7.4	10	367757	326671
F	35	Avicennia alba	Api api putih	20	12.4	10	367752	326668
F	36	Avicennia alba	Api api putih	18.5	9.5	10	367724	326678
F	37	Avicennia alba	Api api putih	16.3	9	10	367734	326672
F	42	Avicennia alba	Api api putih	15	8.2	10	367723	326635
F	44	Avicennia alba	Api api putih	17.5	8.9	10	367704	326604
F	47	Avicennia alba	Api api putih	13.5	6.4	10	367683	326545
F	50	Avicennia alba	Api api putih	16.5	10.4	10	367676	326535
F	51	Avicennia alba	Api api putih	15.4	8.6	10	367676	326533

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
F	52	Avicennia alba	Api api putih	13.8	8.7	10	367672	326528
F	53	Avicennia alba	Api api putih	13.8	6	10	367670	326527
F	54	Avicennia alba	Api api putih	14	7.7	10	367664	326515
F	55	Avicennia alba	Api api putih	14.2	8.2	10	367611	326521
F	56	Avicennia alba	Api api putih	17.5	11.8	10	367652	326518
F	57	Avicennia alba	Api api putih	16.4	7.4	10	367651	326506
F	58	Avicennia alba	Api api putih	16.2	9.5	10	367649	326501
F	61	Avicennia alba	Api api putih	17.8	10.8	10	367635	326471
F	62	Avicennia alba	Api api putih	16.5	8.8	10	367636	326471
F	67	Avicennia alba	Api api putih	11.4	5.6	10	367600	326438
F	69	Avicennia alba	Api api putih	13.7	7.3	10	367586	326395
F	71	Avicennia alba	Api api putih	14.5	8.3	10	367572	326362
F	83	Avicennia alba	Api api putih	18.6	10.4	10	367474	326361
F	84	Avicennia alba	Api api putih	15.6	10.8	10	367458	326206
F	85	Avicennia alba	Api api putih	12.3	9	10	367463	326161
F	86	Avicennia alba	Api api putih	12	9	10	367461	326156
F	89	Avicennia alba	Api api putih	12	8.9	10	367455	326146
F	98	Avicennia alba	Api api putih	22.9	11.9	10	367412	326073
F	107	Avicennia alba	Api api putih	14	9	10	367342	325955
F	109	Avicennia alba	Api api putih	14	10.9	10	367306	325891

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
F	110	Avicennia alba	Api api putih	11.6	8.7	10	367301	325880
F	111	Avicennia alba	Api api putih	16	2.6	10	367289	325871
F	3	Sonneratia alba	Perepat	14.8	7	10	368015	327096
F	5	Sonneratia alba	Perepat	21.8	3.9	10	368010	327084
F	7	Sonneratia alba	Perepat	18.5	3.5	10	367980	327033
F	8	Sonneratia alba	Perepat	18.2	6.7	10	367981	327021
F	26	Sonneratia caseolaris	Berembang	17.2	6	10	367810	326783
F	27	Sonneratia caseolaris	Berembang	13.5	6.1	10	367813	326771
F	28	Sonneratia caseolaris	Berembang	18	6.2	10	367798	326786
F	32	Sonneratia caseolaris	Berembang	10.8	6.3	10	367760	326680
F	38	Sonneratia caseolaris	Berembang	19	8.6	10	367744	326661
F	39	Sonneratia caseolaris	Berembang	11.5	6.6	10	367736	326644
F	40	Sonneratia caseolaris	Berembang	11.8	6.3	10	367739	326640
F	41	Sonneratia caseolaris	Berembang	13	6.4	10	367737	326637
F	43	Sonneratia caseolaris	Berembang	11.5	7.3	10	367722	326606
F	45	Sonneratia caseolaris	Berembang	16	7	10	367693	326593
F	46	Sonneratia caseolaris	Berembang	18	11.2	10	367696	326579
F	48	Sonneratia caseolaris	Berembang	15.3	6.4	10	367677	326540
F	49	Sonneratia caseolaris	Berembang	15	8.8	10	367664	326589
F	59	Sonneratia caseolaris	Berembang	15	8.9	10	367652	326497

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
F	60	Sonneratia caseolaris	Berembang	15	9.4	10	367641	326492
F	63	Sonneratia caseolaris	Berembang	16.8	6.6	10	367627	326458
F	64	Sonneratia caseolaris	Berembang	15.6	7.5	10	367583	326446
F	65	Sonneratia caseolaris	Berembang	11.4	6.8	10	367586	326437
F	66	Sonneratia caseolaris	Berembang	10.6	6.4	10	367764	326426
F	68	Sonneratia caseolaris	Berembang	14.5	6.7	10	367604	326415
F	70	Sonneratia caseolaris	Berembang	15	10.9	10	367552	326371
F	72	Sonneratia caseolaris	Berembang	16.3	8.9	10	367567	326355
F	73	Sonneratia caseolaris	Berembang	17.4	10.6	10	367530	326307
F	74	Sonneratia caseolaris	Berembang	12.6	7.8	10	367539	326209
F	75	Sonneratia caseolaris	Berembang	14.7	8.9	10	367539	326296
F	76	Sonneratia caseolaris	Berembang	17.3	6.8	10	367537	326292
F	77	Sonneratia caseolaris	Berembang	15.6	8.9	10	367525	326261
F	78	Sonneratia caseolaris	Berembang	16.7	7.1	10	367526	326267
F	79	Sonneratia caseolaris	Berembang	16.9	6.2	10	367499	326255
F	80	Sonneratia caseolaris	Berembang	10.8	6	10	367504	326251
F	81	Sonneratia caseolaris	Berembang	17.6	8.4	10	367500	326234
F	82	Sonneratia caseolaris	Berembang	17.1	8.2	10	367490	326232
F	87	Sonneratia caseolaris	Berembang	11.9	8.9	10	367458	326153
F	88	Sonneratia caseolaris	Berembang	12.4	7.7	10	367454	326181

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
F	90	Sonneratia caseolaris	Berembang	14	10.2	10	367452	326139
F	91	Sonneratia caseolaris	Berembang	21.6	7.4	10	367437	326145
F	92	Sonneratia caseolaris	Berembang	11.6	9	10	367481	326136
F	93	Sonneratia caseolaris	Berembang	14.7	10.8	10	367450	326135
F	94	Sonneratia caseolaris	Berembang	11.8	11	10	367449	326134
F	95	Sonneratia caseolaris	Berembang	13	7.4	10	367438	326136
F	96	Sonneratia caseolaris	Berembang	14.9	8.6	10	367417	326089
F	97	Sonneratia caseolaris	Berembang	18.1	11.2	10	367412	326081
F	99	Sonneratia caseolaris	Berembang	11.6	9.8	10	367409	326066
F	100	Sonneratia caseolaris	Berembang	11.2	8.8	10	367404	326065
F	101	Sonneratia caseolaris	Berembang	13	8.2	10	367385	326027
F	102	Sonneratia caseolaris	Berembang	11.4	6.4	10	367374	326030
F	103	Sonneratia caseolaris	Berembang	15.2	7	10	367374	326027
F	104	Sonneratia caseolaris	Berembang	12.1	7.5	10	367378	326025
F	105	Sonneratia caseolaris	Berembang	11.8	6.3	10	367350	326022
F	106	Sonneratia caseolaris	Berembang	12	10.4	10	367736	326007
F	108	Sonneratia caseolaris	Berembang	12	9.6	10	367309	325897
F	112	Sonneratia caseolaris	Berembang	12.3	5.9	10	367280	325885
F	113	Sonneratia caseolaris	Berembang	11.1	5.9	10	367254	325804
F	114	Sonneratia caseolaris	Berembang	11	7.3	10	367276	325746

Area	Tree Number	*Species name*	Local name	DBH (cm)	Height (m)	Tree Age	GPS Location	
F	115	Sonneratia caseolaris	Berembang	10.5	7	10	367235	325742


GRAND VISION
QCZ1