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Urban forest patterns in Southern California's south coast air basin

Wai Lian Lee-Allen
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Basin**

Lee-Allen, Wai Lian, M.A.

San Jose State University, 1992

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URBAN FOREST PATTERNS IN
SOUTHERN CALIFORNIA'S SOUTH COAST AIR BASIN

A Thesis
Presented to
The Faculty of the Department of Geography
San Jose State
University

In Partial Fulfillment
of the Requirement for the Degree
Master of Arts

By
Wai Lian Lee-Allen
May, 1992

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ABSTRACT

URBAN FOREST PATTERNS IN SOUTHERN CALIFORNIA'S

SOUTH COAST AIR BASIN

by Wai Lian Lee-Allen

Measurements made of urban vegetation--through interpretation of aerial photographs--were analyzed to identify patterns in the Los Angeles area.

Data classes were: (1) Tree crown diameters by types (broadleaf deciduous, broadleaf evergreen, conifer, and palm); (2) square areas of grass; and (3) areas of ground cover and shrubs. Comparisons were made between coastal and interior sites, and pre-1959 and post-1959 areas.

For the entire basin, the urban forest (per 10 hectares) comprised 169 broadleaf evergreens, 40 palms, 30 broadleaf deciduous, and 27 conifers. Vegetative cover formed 22 percent of the land area, with grasses the highest proportion within. Vegetation concentrations were highest in residential areas. Trees in pre-1959 areas outnumbered those in post-1959 areas, while the percentage of vegetative cover was the same in coastal and interior regions.

CONTENTS	Page
CHAPTER I	
INTRODUCTION	1
CHAPTER II	
METHOD	3
<u>The Study Area</u>	3
<u>Delimiting Urban Terrain Zones</u>	5
The Urban Terrain Zones	5
The Mapping Process	14
Area Measurement	16
<u>The Aggregated Biomass Inventory</u>	19
Density of Trees	19
Area of Vegetation	22
<u>Checking for Regional Variations</u>	24
Selected Locations	24
The Coast and the Interior	25
The Pre-1959 and the Post-1959 Areas	27
CHAPTER III	
RESULTS	41
<u>Density of Trees</u>	41
<u>Area of Vegetation</u>	46
<u>Generalization about Biomass Relative to Urban</u>	
<u>Terrain Zone</u>	55
CHAPTER IV	
REGIONAL VARIATIONS	65
<u>The Coastal and the Interior</u>	65
<u>Pre-1959 and Post-1959 Areas</u>	71
CHAPTER V	
CONCLUSION	78
REFERENCES	83
APPENDIX A	List of Tables
APPENDIX B	Urban Terrain Zones

ILLUSTRATIONS

Page

Figure 1. Five kilometer grid cells photographed and inventoried	
Figure 2. An example of Urban Terrain Zone mapping. Map scale is 1:24,000. UTM grid cells are indicated.	4
Figure 3. The Representative Sample Study Area; Number in each grid cell indicates number of sample Urban Terrain Zones	15
Figure 4. An Example of five kilometer UTM grid cell	17
Figure 5. A copy of worksheet	18
Figure 6. Converting tree crowns to areas	21
Figure 7. The Coast and the Interior	23
Figure 8. Pre-1959 built-up area of Los Angeles Area	26
Figure 9. A1 Urban Terrain Zones (core area) measured are those with the tree symbols	28
Figure 10. Dc2 Urban Terrain Zones (apartments, close-set) measured are those with the tree symbols	29
Figure 11. Dc3 Urban Terrain Zones (houses, close-set) measured are those with the tree symbols	30
Figure 12. Dc4 Urban Terrain Zones (rail/dock related industrial/storage) measured are those with the tree symbols	31
Figure 13. Dc5 Urban Terrain Zones (older commercial ribbons, close-set) measured are those with the tree symbols	32
Figure 14. Do2 Urban Terrain Zones (apartments, open-set) measured are those with the tree symbols	33
Figure 15. Do3 Urban Terrain Zones (houses, open-set) measured are those with the tree symbols	34
	35

Figure 16. Do4 Urban Terrain Zones (widely separated detached buildings, industrial/storage) measured are those with the tree symbols	36
Figure 17. Do5 Urban Terrain Zones (new commercial ribbons) measured are those with the tree symbols	37
Figure 18. Do6 Urban Terrain Zones (administrative/cultural) measured are those with the tree symbols	38
Figure 19. Freeway type of Urban Terrain Zones measured are those with the tree symbols	39
Figure 20. Wooded and Open types of Urban Terrain Zones measured are those with the tree symbols	40
Figure 21. Composition of trees per 10 hectares in the Los Angeles Area	42
Figure 22. Density of trees per 10 hectares in the Los Angeles Area	42
Figure 23. Density of trees by Urban Terrain Zones	43
Figure 24. Density of trees (the four basic tree types) by Urban Terrain Zones	45
Figure 25. Area and composition of vegetation for the entire study area	47
Figure 26. Areas of vegetation and non-vegetation by Urban Terrain Zones for the entire study area	48
Figure 27. Proportions of vegetation and non-vegetation by Urban Terrain Zones for the entire study area	48
Figure 28. Area and composition of vegetation for Urban Terrain Zone A1 (Core Area)	49
Figure 29. Area and composition of vegetation for Urban Terrain Zone Dc2 (Apartments, close-set)	49
Figure 30. Area and composition of vegetation for Urban Terrain Zone Dc3 (Houses, close-set)	50
Figure 31. Area and composition of vegetation for Urban Terrain Zone Dc4 (Rail/Dock related Industrial/Storage)	50
Figure 32. Area and composition of vegetation for Urban Terrain Zone Dc5 (Old Commercial Ribbons)	51

Figure 33. Area and composition of vegetation for Urban Terrain Zone Do2 (Apartments, open-set)	51
Figure 34. Area and composition of vegetation for Urban Terrain Zone Do3 (Houses, open-set)	52
Figure 35. Area and composition of vegetation for Urban Terrain Zone Do4 (Widely Separated Industrial/Storage)	52
Figure 36. Area and composition of vegetation for Urban Terrain Zone Do5 (New Commercial Ribbons)	53
Figure 37. Area and composition of vegetation for Urban Terrain Zone Do6 (Administrative/Cultural)	53
Figure 38. Area and composition of vegetation for Urban Terrain Zone Freeway	54
Figure 39. Area and composition of vegetation for Urban Terrain Zone Wooded	54
Figure 40 Dc2: Detached, close-set apartment buildings	56
Figure 41 Dc3: Detached, close-set houses	56
Figure 42 Dc4: Rail/dock related industrial/storage	57
Figure 43 Dc5: Detached, close-set commercial ribbons	58
Figure 44 Do2: Detached, open-set apartments	59
Figure 45 Do3: Detached, open-set houses	60
Figure 46 Do4: Detached buildings, industrial/storage	60
Figure 47 Do5: Detached, open-set new commercial ribbons	61
Figure 48 Do6: Administrative/cultural	62
Figure 49 Freeway type of Urban Terrain Zone	63
Figure 50 Wooded type of Urban Terrain Zone	63
Figure 51 Open type of Urban Terrain Zone	64
Figure 52. Areas of vegetation in coastal and interior sites for selected Urban Terrain Zones	67
Figure 53. Proportions of vegetation and non-vegetation in coastal and interior sites for selected Urban	

Terrain Zones	
Figure 54. Areas of vegetation by vegetation types in coastal and interior sites for selected Urban Terrain Zones	67
Figure 55. Areas of vegetation by Urban Terrain Zones in coastal and interior sites for selected Urban Terrain Zones	68
Figure 56. Areas of vegetation for the entire coast and interior	68
Figure 57. Proportion of vegetation and non-vegetation for the entire coast and interior	69
Figure 58. Areas of vegetation by Urban Terrain Zones for the entire coast and interior	69
Figure 59. Proportion of broadleaf deciduous trees in 1959 and 1990 areas for selected Urban Terrain Zones	70
Figure 60. Proportion of broadleaf evergreen trees in 1959 and 1990 areas for selected Urban Terrain Zones	73
Figure 61. Proportion of conifers in 1959 and 1990 areas for selected Urban Terrain Zones	73
Figure 62. Proportion of palms in 1959 and 1990 areas selected Urban Terrain Zones	74
Figure 63. Proportion of tree types for 1959 and 1990 areas of Dc3 (close-set, houses)	74
Figure 64. Proportion of tree types in 1959 and 1990 areas of Do2 (open-set, apartments)	75
Figure 65. Proportion of tree types in 1959 and 1990 areas of Do6 (administrative/cultural)	75
Figure 66. Density of trees for the entire 1959 and 1990 areas	76
Figure 67. Proportion of trees by tree types for the entire 1959 and 1990 areas	76
	77

CHAPTER I

INTRODUCTION

Trees in cities, in addition to their aesthetic value, are valuable for many practical reasons. They cool air by giving shade and releasing moisture to the living areas. They help settle dust and other harmful pollutants by trapping them on moist leaves, from which they are washed away by rains. Trees block wind, creating comfortable outdoor spaces, reduce heat loss from buildings, soften noise by breaking up sound waves with leaves and branches. They hold soil with their roots and break the fall of raindrops with their leaves thereby reducing erosion. In addition, trees improve the environment by screening undesirable views and providing food and shelter for wildlife. Above all, trees release oxygen and absorb carbon dioxide, freshening city air. These benefits have been a major consideration in urban tree planting and preservation programs for practical and energy conservation reasons through the years.

The findings of researchers at the Center for Building Studies, Lawrence Berkeley Laboratory in California, show that urban trees make a major contribution to energy needs.

The Berkeley-based researchers, Akbari, Rosenfeld, and Morris report that locating three trees near each home in a community and painting buildings a light color would reduce the cooling demand by 18 percent in Phoenix, Arizona, 34 percent in Sacramento, California, and 44 percent in Los Angeles, California (Moll and O'Rourke 1988).

Studies concerning the environmental enhancement of Los Angeles have been conducted to help understand the character of its urban biomass. The urban forest of Los Angeles has been studied to provide data on the volume of biomass to the South Coast Air Quality Management District; they needed to know baseline biogenic emissions against which to measure control effects of human-caused emission. Another value of the study will be to identify areas where trees can be planted in order to mitigate the summer urban heat island effect.

This thesis provides data on quantity and extent of the biomass of the Los Angeles area, reported by Urban Terrain Zones; these zones are products of a delimitation of urban landscape by its physical, morphological, and functional nature. By applying both quantitative and spatial findings of this study, forecasts can be made for the future development of the Los Angeles area.

CHAPTER II

METHOD

The Study Area

The study of the biomass of Los Angeles, conducted for the South Coast Air Quality Management District, employed aerial photographs taken in 1990. The photographs were centered on five kilometer grid cells based on the Universal Transverse Mercator (UTM) grid system (See Figure 1). Systematic coverage was achieved through the flying of parallel flight lines five kilometers apart, with the exception of areas denied by air traffic regulations around airports.

The flights were conducted in the middle of March, 1990, the optimal time of the year for distinguishing the leafless broadleaf deciduous trees from broadleaf evergreens. The large-scale photographs--primarily 1:4000, high resolution color photos--were detailed enough to identify and measure features of the biomass: tree crown diameters and square footage of ground covers, shrubs, and grasses.

Figure 1. Five kilometer grid cells photographed and inventoried

Delimiting Urban Terrain Zones

The Urban Terrain Zones

Urban Terrain Zones were delimited in accordance with a classification system that recognizes both functional and morphological characteristics of land use in a city. These zones were placed on USGS 7.5 minute, 1:24,000 scale, topographic maps. This spatial data base served as a means of recording and comparing numbers and location of trees in the study area.

The Urban Terrain Zone classification scheme is much more sophisticated than the simple plotting of land uses. It was designed originally for users who had a need to know about the physical, or morphological nature of the urban landscape. Into its delimitation are incorporated rules to determine the recognition of:

- (1) building construction types and shapes
- (2) placement of buildings on lots
- (3) street configurations and patterns
- (4) statement of age of the areas, and
- (5) current functions.

This intensive examination of zones within the city allows for the recognition of significantly different types of phenomena that might otherwise be overlooked if simple land use were the sole criterion. For example, industrial/storage as a function, appears in three separate

and markedly different Urban Terrain Zone types, with respect to their biomass. In the first, A4 (in which industrial buildings are attached with little or no setback from the street), vegetation is virtually nil. In the second, Dc4 (where buildings are detached but set close to each other), some vegetation may appear along streets. In the third, the modern Do4 (where buildings are part of a planned development and set quite far apart) will ordinarily exhibit signs of planned vegetation, usually in the form of the ubiquitous berm, and often lawn and ground cover landscaping near buildings. Similar distinctions are seen in the classes covering houses, apartments, commercial developments, and office park areas.

Short Description of Urban Terrain Zones
(See Appendix B for illustrations)

Attached building Urban Terrain Zones

Zone A1: The Core. This is the center of the city and consists largely of commercial offices and retail stores. Buildings are mainly pre-twentieth century brick or framed heavy-clad, erected during the period from about 1890 to 1941. Buildings normally occupy all of their lots and abut one another. Accordingly there is little space for vegetation, natural or maintained. Downtown Los Angeles is a good example.

Zone A2: Apartments, Hotels, Core Periphery. Buildings in this zone are attached, reflecting the extension of high land values outward from the core but with a lower level of intensity than in the core. Buildings are either mass constructed brick or framed, heavy-clad. Again, this zone lacks vegetation, and for this study's purposes, is essentially the same as A1.

Zone A3: Attached Houses. Here are the typical "row houses" seen in many eastern cities, in Europe, Latin America, and in a few other locales in the USA, such as San Francisco. This type of zone may have limited vegetation in the form of strips of grass or ground cover fronting the buildings.

Zone A4: Attached Industrial/Storage Buildings. This is an area of factories found near the core area exhibiting ordered blocks with little or no set back (some have been removed in extensive urban redevelopment projects and replaced by modern facilities, such as sports stadia, parks, or monuments). Buildings are either brick construction or framed, heavy clad. Vegetation is limited to the newly developed sections. Examples of this category are evident near downtown Los Angeles.

Zone A5: Old Commercial Ribbons. High land values, expressing high accessibility, have resulted in the placing of attached buildings along arterial streets extending

outward from the city core. Much lower land values immediately behind these commercial units permit the customary amount of open space around detached houses. Commercial buildings facing the street are often older brick structures. Houses behind reflect the locally dominant residential construction form, either mass or framed. Here, vegetation volumes are significant in the open areas around the detached houses and apartment developments; Beverly Boulevard, leading out of central Los Angeles, is an example.

Detached, close-set buildings Urban Terrain Zones

Zone Dc1: Redeveloped Core. Urban redevelopment and urban renewal projects in downtown areas built in recent years have come to exceed the original core area and have imparted imposing skylines of modern structures to major cities everywhere, both domestic and foreign. The buildings, usually free-standing, are modern in style and the construction form is framed, light-clad. Cladding varies according to fashion and ranges from all glass to polished thin granite veneer. Biomass is found in these zones. Prescribed landscaping is often included in city plans as a condition for permit approval. In the heart of Los Angeles, for example, almost the only vegetation is in the landscaped

places integral to the core's new high-rise urban redevelopment buildings.

Zone Dc2: Apartments, Close-Set. Lower land values away from the core allow for some space between apartment buildings even though they are found on ordinary streets. Construction type is in keeping with the methods of the zone. Grass and ground cover and some trees are typical in these classifications. This type of zone has little room for landscaping outside of street trees.

Zone Dc3: Detached, Close-Set Houses. This class, curiously, reflects relatively high land values both in pre-automobile days and in modern city periphery housing tract developments where, even though the units are remote from city center, they occupy high-value land. The high cost of providing urban services is another reason for high densities. Well established areas have mature vegetation. Large numbers of broadleaf deciduous trees are present.

Zone Dc4: Rail/Dock Related Industrial/Storage. Buildings in this class show a clear adjustment to their setting. Being served by linear transportation lines, the buildings usually have little space between them (often only enough for a railroad siding). Several construction modes are seen including mass construction forms of brick, concrete, and framed structures, especially those clad with corrugated steel. Vegetation is usually limited to the

sidewalk parking strips.

Zone Dc5: Close-Set Buildings in Older Commercial Ribbons. In these close-set commercial ribbons, commercial businesses sit along major arterials but exhibit patterns that suggest evolution toward the provision of off-street parking. Some older structures are remnants of attached structures along arterials while some newer ones have responded to modern planning regulations. Construction type is mixed, ranging from brick and concrete to wood framing (usually clad in stucco in California). Vegetation here is also very limited.

Zone Dc8: Outer City. These areas are fully planned units of shopping, offices, hotels, and often apartments resembling fully created downtowns but placed at some point of high accessibility in suburbia (as at a major highway interchange) or, increasingly, at airports (the development around Los Angeles International Airport offers a fine example). Construction type is obviously recent and therefore of the framed, light-clad variety. Here, landscaping is planned.

Detached, open-set building Urban Terrain Zones

Zone Do1: Shopping Centers. In this zone, the space required for automobiles generally exceeds that of the footprints of the buildings. Interest in studies of the urban environment therefore, might shift from structures to the nature of the impervious surface of the parking lot. Structures--sometimes framed construction and sometimes mass--are modern, either concrete poured in place, "tilt-up," or concrete building block.

Zone Do2: Detached, Open-Set Apartments. Developments of this kind usually show ample evidence of being planned on a fairly large parcel of land. Buildings are frequently multi-story, usually of the same design throughout the development, and separated by some distance from one another by parking lots, landscaping, and activity areas. Construction is frequently of a framed type. Here, landscaping is an integral part of the design plan with tree types and grasses selected and planted according to a development plan. Thus, vegetation volume is considerably higher than in evolved areas.

Zone Do3: Detached, Open-Set Houses. Houses in these zones are commonly of high enough value to pay for the luxury of abundant space around them. Lots are often an acre or more in size. Interestingly, dependent of course on the

climatic situation, these are frequently sites of large numbers of urban trees. Planting, however, is usually more for aesthetic than pragmatic purposes. An example of this is a high-value residential area near the San Gabriel Mountains that is fully landscaped with a wide variety of mature trees and considerable areas of shrubs, ground cover, and well-tended, lush lawns.

Zone Do4: Widely Separated Detached Buildings, Industrial and Storage. These zones reflect modern architecture with ample space around structures for designated employee parking, storage of raw materials or products, and planned landscaping. Often found in "industrial parks (estates)," buildings are usually uniformly separated one from another. Construction form is also modern, often mass "tilt-up." Most of the trees are found at property perimeters usually on grass berms with some planting at the edges of buildings within the development.

Zone Do5: Widely Separated Buildings in New Commercial Ribbons. This phenomenon is found along major, usually very wide, commercial arteries. Buildings are commonly in units often served by a common parking lot in the front. Some are landscaped. A few have trees. Construction type varies from framed to mass. Trees are seen along commercial ribbon streets and within parking lots.

Zone Do6: Administrative/Cultural. These areas definitely show the result of planning and the placing of structures in accordance with a master plan. A university campus is a good example. Structures are usually well separated from each other. Construction varies with the age of the facility. Older institutions, such as government centers, will often have both old and new construction forms. The common biomass pattern here is a large area planted in grass with trees at the edge of parking lots and in the dividers. Areas of ground covers and shrubs are evident.

While this Urban Terrain Zone classification system allows for the occurrence of all basic types of urban areas to be found in the American city, some of the zones in the older, central parts of cities are so small in total area that some grouping has been done to accommodate the scale of the biomass inventory reported here. On the other hand, a more detailed subdivision by age of construction and quality of the large single-family housing area component might have been employed. For instance, the Do3 class (detached, open-set houses) comprises the two very different phenomena of (1) very expensive housing areas with full landscaping and (2) "ranchettes" at the edge of the built-up area with modest houses and little landscaping.

Freeways, Woods, Natural and Open spaces are also considered in the study .

The Mapping Process

The primary photographic source for mapping the Urban Terrain Zones was the Thomas Brothers photo atlases of Los Angeles and Orange Counties; high altitude NASA photographs were consulted for the remaining areas. Comparison with the USGS 1:24,000 maps, with their plotted large, free-standing buildings and other symbolization and identified points, aided identification and allowed for precise boundary placement. Figure 2 is a segment of one of the topographic sheets in the San Fernando Valley with the delimited Urban Terrain Zones plotted. The pattern demonstrated is the common one of commercial or apartment ribbons along a boulevard with single family housing (Dc3) behind, interspersed frequently with neighborhood schools (Do6). Downtown Canoga Park is shown with the symbol A1. The area shown was selected to demonstrate the superimposition of the boundaries of the five kilometer UTM grid cells (as indicated by the identifying numbers).

Figure 2. An example of Urban Terrain Zone mapping. Map scale is 1:24,000. UTM grid cells are indicated.

In Figure 3, the numeric value within each five kilometer grid cell represents the number of sample Urban Terrain Zone Types studied.

Area Measurement

The areas of all Urban Terrain Zones were measured in hectares with an electronic planimeter and recorded by five kilometer UTM grid cells (each grid cell being 2500 hectares). Figure 4 depicts the relation between the Urban Terrain Zones, the five kilometer UTM grid cells and area. Later in the study, all data were standardized on x number of trees per 10 hectares.

Figure 4. An Example of five kilometer UTM grid cell

The Aggregated Biomass Inventory

Inventory of aggregated biomass followed traditional photo interpretation principles. Biomass features were first identified, then measured. The results were tabulated on worksheets, aggregated and reported by five kilometer grid cells and Urban Terrain Zones. Trees and other biomass features were identified through recognition of their qualities of shape, color, texture, and tone. In effect, photo interpretation--in the strictest sense of the term--was hardly necessary. Rather, all features were so distinct, on such a large photographic scale, and had such finely detailed images that it was simply a matter of observing and recording them. Tree crown shape, for instance, was easily seen. Often aiding the process of identification were the trees' distinctive shadows. In most instances, bright sun at a fairly low angle casts crown shadows out at some distance from the trunks. Texture, tone, and color were useful in distinguishing grass, ground cover, and shrub. Their areas were measured in square meters.

Density of Trees

Biomass items were recorded on a worksheet (Figure 5 is an example). For counting purposes, each tree was placed in one of the following four categories;

1. broadleaf deciduous

2. broadleaf evergreen
3. coniferous
4. palms.

In each category, the trees were further recorded by crown size classes of one meter, three meters, five meters, and ten meters. The usual procedure practiced was to make a physical count of each type, in each size class, proceeding from the broadleaf deciduous through the palms, for each Urban Terrain Zone. Crown diameter measurement was made by using a reticle scale on a visual comparator graduated to tenths of a millimeter. As an example, knowing that the photo scale is 1:4000 means that one millimeter equals 4000 millimeters (or 4 meters). The 10 x magnification of the visual comparator readily allowed for the placement of the scale over the tree crown. Readout of crown width was direct. Tree crowns were grouped to the nearest broad size class, even though the resolution of the photographs permitted marking a specific number in between. (This level of accuracy reached an almost academic level, as even determining the actual edge of the crown on the ground was somewhat subjective).

Table I in Appendix A is the summary of the original data. The UTM number represents the grid location of the relative Urban Terrain Zones. The areas were tabulated in hectares. Later in this study, all data were calculated on

the basis of trees per 10 hectares (see Table II of Appendix A).

Area of Vegetation

Measuring area in square meters under shrub, ground cover, and grass was also a straightforward matter of noting perimeter lengths in meters and multiplying. Small areas, such as shrub and ground cover alongside houses and other buildings, were identified and measured. Tree crowns were calculated in accordance with the procedure shown in Figure 6.

Biomass measurements were made for all of the five kilometer grid cells photographed. There are some 175 grid cells, plus groups in Palm Springs and in the Antelope Valley in Palmdale, which are off the map. The empty cells on the map are those denied by air navigation low-level flight regulations or, in a few instances, by concerned air traffic controllers (see Figure 1).

Crown Sizes

Areas

1 meter crown

$$\pi \times R^2 = 3.14 \times .5 \times .5 = .785 \text{ sq. meter}$$

(R = Radius, and 1 meter crown = 1 meter diameter)

3 meter crown

$$\pi \times R^2 = 3.14 \times 1.5 \times 1.5 = 7.065 \text{ sq. meters}$$

5 meter crown

$$\pi \times R^2 = 3.14 \times 2.5 \times 2.5 = 19.625 \text{ sq. meters}$$

10 meter crown

$$\pi \times R^2 = 3.14 \times 5 \times 5 = 78.5 \text{ sq. meters}$$

Figure 6. Converting tree crowns to areas

Checking for Regional Variations

Selected Locations

Four very common and widely represented Urban Terrain Zones were used to test for regional and spatial variations. They are:

1. Detached close-set houses (Dc3);
2. Detached open-set apartments (Do2);
3. Widely separated detached industrial/storage buildings (Do4) and
4. Administrative/cultural buildings such as school, government etc. (Do6).

For analysis purposes, two models were designated:

(1) coastal versus interior five kilometer cells to determine if the higher humidity, lower evaporation coastal areas had a different vegetation pattern than the drier interior areas; and (2) a comparison of older areas with newer development areas to see if vegetation varied with age and fashion. The regional variations of vegetation among the four Urban Terrain Zones relative to these models were then analyzed.

The Coast and the Interior

First, a map was prepared to separate coastal area from interior area (on a five kilometer cell basis) see Figure 7. The coastal area was defined as the area extending inland to within twenty kilometers of the coast. It was mapped by going inland four, five kilometer UTM grid cells from the coast; a boundary--along cell edges--delimited this area. The area on the other side of the boundary was marked as the interior. Vegetation patterns within these two areas were then analyzed.

In theory, considering the general aridity of the whole area, one should find more vegetation in the area closer to the coast than in the area away from it. The degree to which this occurred was addressed in Chapter IV.

Figure 7. The Coast and the Interior

The Pre-1959 and the Post-1959 Areas

The pre-1959 and post-1959 areas were mapped on 1959 USGS Topographic 1:250,000 scale maps. Maps of San Bernardino, Los Angeles, Santa Ana, and Long Beach were used. First, five kilometer grids were drawn on the USGS map. Secondly, inhabited areas (indicated in yellow on the 1959 map) were interpreted as built-up areas in 1959 and mapped into the five kilometer UTM grid cells. A grid cell 2/3 or more inhabited was taken as a whole cell for simplification in the mapping process. As in Figure 8, the highlighted five kilometer UTM grid cells indicate built-up areas up to 1959 (pre-1959) and the open grid cells represent the post-1959 built-up areas. To be specific, post-1959 would be as of March 1990, the time South Coast Air Basin Project's aerial photographs were taken. Comparison of vegetation in the two areas was made.

Although only four Urban Terrain Zones were utilized within the two models, universal data are available as shown in Figure 9 through Figure 20. Studies could be conducted by using these spatial locations of Urban Terrain Zones and the related data in Table IV of Appendix A.

Figure 8. Pre-1959 built-up area of Los Angeles Area

Figure 9. A1 Urban Terrain Zones (core area) measured are those with the tree symbols

Figure 10. Dc2 Urban Terrain Zones (apartments, close-set)
measured are those with the tree symbols

Figure 11. Dc3 Urban Terrain Zones (houses, close-set) measured are those with the tree symbols

Figure 12. Dc4 Urban Terrain Zones (rail/dock related industrial/storage) measured are those with the tree symbols

Figure 13. Dc5 Urban Terrain Zones (older commercial ribbons, close-set) measured are those with the tree symbols

Figure 14. Do2 Urban Terrain Zones (apartments, open-set) measured are those with the tree symbols

Figure 15. Do3 Urban Terrain Zones (houses, open-set) measured are those with the tree symbols

Figure 16. Do4 Urban Terrain Zones (widely separated detached buildings, industrial/storage) measured are those with the tree symbols

Figure 17. Do5 Urban Terrain Zones (new commercial ribbons) measured are those with the tree symbols

Figure 18. Do6 Urban Terrain Zones (administrative/cultural) measured are those with the tree symbols

Figure 19. Freeway type of Urban Terrain Zones measured are those with the tree symbols

Figure 20. Wooded and Open types of Urban Terrain Zones measured are those with the tree symbols

CHAPTER III

RESULTS

Two variables were measured for the total study area: (1) density of trees; and (2) proportion of vegetative cover to non-vegetative cover.

Density of Trees

Data tabulated by UTM five kilometer grid cells are presented in Table I of Appendix A. Data on the four basic tree types measured in trees per 10 hectares are reported in Table II of Appendix A. Other vegetation types are reported on the basis of area (square meters per 10 hectares) per Urban Terrain Zone (see Table III of Appendix A) and are discussed later.

In the aggregate, for the total study area, there was an average of 266 trees per 10 hectares (see summary of Table II of Appendix A). This included all four tree types and each of the four sizes. Among the 266 trees, the largest group was broadleaf evergreen--169 of 266--forming 64 percent of total. These were followed by 40 palms at 15 percent, 30 broadleaf deciduous at 11 percent, and 27 conifers at 10 percent as shown in Figure 21 and Figure 22.

Figure 21. Composition of trees per 10 hectares in the Los Angeles Area

Figure 22. Density of trees per 10 hectares in the Los Angeles Area

Out of the twelve Urban Terrain Zones (the Wooded UTZ was omitted due to inadequate data), Do5 had the highest density of trees followed by Do2, Freeway, and Dc3. Do4 and Dc4 had the lowest density based on an average of all tree types (see Figure 23).

Figure 23. Density of trees by Urban Terrain Zones

The probable reason for the high density of trees in Do5 (393 trees per 10 hectares), with its widely separated buildings placed along new commercial ribbons, was the prevalence of planned and mandatory landscaping. The high density of trees (379 trees per 10 hectares) in the Do2 UTZ (detached open-set apartments) would be for the same reason. The freeway class had 339 trees per 10 hectares.

Also, as an older residential areas, the close-set houses Dc3 zone type had 335 trees per 10 hectares. Another zone with a high density of trees (300 trees per 10 hectares) happened to be Do3 (detached open-set houses zone type), with high property value having abundant space and resources to pay for the luxury of planting and maintaining trees.

The reason for lower density of trees in the Urban Terrain Zone type Do4 (detached buildings for industrial and storage of raw materials or products) was that it has little or no priority on landscaping with much of its non-built-up space used for parking, maintenance and storage. The Urban Terrain Zone Dc4 (railroad and dock related industrial and storage areas served by linear transportation lines) with its close-set building density had very little space where trees could be planted. Further, the emphasis on the crude nature of its function was the very antithesis of interest in landscaping.

As a further breakdown, tree types were listed for each Urban Terrain Zone type (see Figure 24). In each Urban Terrain Zone the largest proportion of trees was broadleaf evergreen and the smallest proportion was either conifers or palms.

Figure 24. Density of trees (the four basic tree types) by Urban Terrain Zones

Area of Vegetation

Table III in Appendix A reflects the tabulation of the areas of vegetative cover in square meters. All data for each vegetation type and each Urban Terrain Zone type were tabulated in square meters per 10 hectares for each UTM grid cell.

From the summary of Table III in Appendix A, the following Figures were generated. Figure 25 shows the average proportion of vegetation and non-vegetation per 10 hectares for the entire study area. In the whole study area of Los Angeles, an average of 22 percent of land was covered with vegetation. The remaining 78 percent of non-vegetation covered area was composed of either man-made structures or barren land. Among the vegetation covered area, 56 percent consisted of grasses. Broadleaf evergreen comprised 17 percent, followed by 16 percent ground cover. The lowest percent of coverage was represented by palms and conifers, with only 2 percent each.

Figure 26 and Figure 27 show the average proportion of vegetation and non-vegetation for each Urban Terrain Zone. With the exception of open (75 percent), and Do6 (43 percent), all the Urban Terrain Zones had less than an average of 27 percent vegetative cover.

Figure 28 through Figure 39 are detailed statistics of each Urban Terrain Zone. They show the average proportion of

vegetation to non-vegetation in each area as well as the type of vegetation therein.

Figure 25. Area and compositon of vegetation for the entire study area

Figure 26. Areas of vegetation and non-vegetation by Urban Terrain Zones for the entire study area

Figure 27. Proportions of vegetation and non-vegetation by Urban Terrain Zones for the entire study area

Figure 28. Area and composition of vegetation for Urban Terrain Zone A1 (Core Area)

Figure 29. Area and composition of vegetation for Urban Terrain Zone Dc2 (Apartments, close-set)

Figure 30. Area and composition of vegetation for Urban Terrain Zone Dc3 (Houses, close-set)

Figure 31. Area and composition of vegetation for Urban Terrain Zone Dc4 (Rail/Dock related Industrial/Storage)

Figure 32. Area and composition of vegetation for Urban Terrain Zone Dc5 (Old Commercial Ribbons)

Figure 33. Area and composition of vegetation for Urban Terrain Zone Do2 (Apartments, open-set)

Figure 34. Area and composition of vegetation for Urban Terrain Zone Do3 (Houses, open-set)

Figure 35. Area and composition of vegetation for Urban Terrain Zone Do4 (Widely Separated Industrial/Storage)

Figure 36. Area and composition of vegetation for Urban Terrain Zone Do5 (New Commercial Ribbons)

Figure 37. Area and composition of vegetation for Urban Terrain Zone Do6 (Administrative/Cultural)

Figure 38. Area and composition of vegetation for Urban Terrain Zone Freeway

Figure 39. Area and composition of vegetation for Urban Terrain Zone Wooded

Generalization about Biomass Relative to Urban Terrain Zone

Each Urban Terrain Zone has a distinctive vegetation pattern owing to its discrete pattern and positioning of buildings on the zone's lots. The following examples reveal each Urban Terrain Zone character.

Dc2: Detached, close-set apartment buildings

The zone, shown in Figure 40, portrays a very high density of apartment houses built individually rather than as parts of a planned unit development. These densely set buildings have little or no setback from the street, leaving little space for vegetative landscaping outside of street trees. Even these are scarce when there is little incentive to develop a high quality residential neighborhood. Trees are found mainly in the narrow space between buildings. The average vegetative cover in this type of Urban Terrain Zone is 11 percent of the area.

Dc3: Detached, close-set houses

The zone, Figure 41, is composed of either low or middle income single-family housing. In the low income single-family housing area, a few trees are found but little area is planted to shrub or ground cover. Landscaping in these areas consist mostly of grass. In the middle income single-family housing area, some mature trees, such as broadleaf deciduous or palms, are found. Some houses have simple landscaping consisting mostly of lawn. Recently built

housing developments have immature landscaping. Vegetative cover in Dc3 consists of 11 percent of the land area.

Figure 40 Dc2: Detached, close-set apartment buildings

Figure 41 Dc3: Detached, close-set houses

Dc4: Rail/dock related industrial/storage

Dc4 type of Urban Terrain Zone shown in Figure 42 has only 4 percent of its area devoted to vegetation . Buildings are detached but set close to each other. Vegetation may appear along streets. The empty lots around railroad or dock locations have very little vegetation.

Figure 42 Dc4: Rail/dock related industrial/storage

Dc5: Detached, close-set commercial ribbons

Figure 43, Dc5, reveals a little more vegetation than Dc4. It has an average of 7 percent of the area covered with vegetation, usually in the form of trees at the buildings edges or as street trees. This type of Urban Terrain Zone is commonly found along major arterial streets. Buildings can be setback for parking but landscaping is nil.

Figure 43 Dc5: Detached, close-set commercial ribbons

Do2: Detached, open-set planned development apartments

This zone, as presented in Figure 44, has a considerable amount of vegetation; 23 percent of its land is vegetative cover. Landscaping here is a significant part of the design plan. Tree types are selected and planted according to the development plan as are areas of grasses and walks. Much of the area is designed for the use of the residents in the forms of tennis courts, play grounds, open space, etc. Population density is lower than Dc2 (close-set apartments), and per capita biomass is considerably higher.

Do3: Detached, open-set houses

This zone is a lushly landscaped, high-value, custom single-family home area. Landscaping is luxuriant and embodies a substantial number of mature trees, shrubs,

Figure 44 Do2: Detached, open-set apartments

ground covers, and grasses. The quality of landscape complements the high value of the houses. This type of Urban Terrain Zone has a 26 percent vegetative cover of its land (see Figure 45).

Do4: Detached buildings industrial/storage

This zone, shown in Figure 46, has 10 percent of its land covered with vegetation. It will normally exhibit signs of planned landscaping, usually in the forms of berms, with frequent lawn and ground cover landscaping near the buildings. Most of the trees are located at property perimeters with some planted at the edge of buildings within the development.

Figure 45 Do3: Detached, open-set houses

Figure 46 Do4: Detached buildings, industrial/storage

Do5: Detached, open-set commercial ribbons

This zone has vegetative cover of 13 percent. As in Figure 47, berms are found along sidewalks. Trees are seen

along streets and in parking lots. Usually, this type of zone is found along major arterial streets with wide set-back from the street used for automobile sales, etc.

Figure 47 Do5: Detached, open-set new commercial ribbons

Do6: Administrative or cultural

This zone, as shown in Figure 48, includes areas such as universities, hospitals, zoos, etc. This type of zone tends to be fully landscaped, and vegetation comprises an average of 43 percent of the land. Much of the landscaped area is planted in grass. Trees are at the edge of parking lots and in the dividers. Sometimes shrubs and ground cover are found around buildings or in the dividers.

Figure 48 Do6: Administrative/cultural

Freeway type of Urban Terrain Zone

Vegetation along freeways usually consist of ground cover and some trees beside the freeway. Although the belt of highway landscaping is narrow, the collective great length forms a considerable sum of vegetation, and accounts for 27 percent of its land (see Figure 49).

The following Figure 50 and Figure 51 are examples of Wooded and Open type of Urban Terrain Zones. Wooded tends to have the greatest amount of trees while open usually consists of a large amount of grasses or ground covers with some trees at the edge of the open area.

Figure 49 Freeway type of Urban Terrain Zone

Figure 50 Wooded type of Urban Terrain Zone

Figure 51 Open type of Urban Terrain Zone

CHAPTER IV

REGIONAL VARIATIONS

Vegetation patterns were analyzed for four selected Urban Terrain Zones: Dc3, Do2, Do4 and Do6, on the variables (discussed under method) of coastal vs. interior sites and old development vs. new development. In theory, in the coastal/interior comparison, one would expect to find more vegetation closer to the coast. The old/new model examined concentrations of broadleaf deciduous and broadleaf evergreen trees for two dates, 1959 and 1990.

The Coastal and the Interior

The comparison of vegetation patterns between the coastal and interior was made using the map created, discussed in Chapter II.

Vegetation here was defined as the area covered by tree crowns and surface plants, without consideration of volume. All tree crown areas were tabulated in square meters per 10 hectares for each UTM grid cell. The coastal UTM grid cells were compared to the interior areas.

Figure 52 shows the average areas of vegetation per 10 hectares in square meters between the selected coastal and

interior areas. There was an average of 22,822 square meters of vegetation per 10 hectares in the coastal area, while the interior area had 21,762 square meters. Figure 53 reflects the slight difference between the two (23 percent in the coastal area and 22 percent in the interior area).

Grasses had the highest proportion of coverage within the vegetation areas, followed by broadleaf evergreen and ground cover in both selected coastal and interior areas (see Figure 54).

Among selected Urban Terrain Zones only Do2 had more vegetation in the coastal areas than in the interior. The other three Urban Terrain Zone types had less vegetation in the coastal than in the interior areas, as shown in Figure 55.

The statistics reported under this heading, limited to four Urban Terrain Zones, reflect only slightly more vegetation closer to the coast.

Virtually no difference in vegetation (tree and non-tree) was seen for the non selected Urban Terrain Zones in the coastal and interior areas. Both coastal and interior areas had an average of 16 percent of its land covered with vegetation (see Figure 56 through Figure 58).

Figure 52. Areas of vegetation in coastal and interior sites for selected Urban Terrain Zones

Figure 53. Proportions of vegetation and non-vegetation in coastal and interior sites for selected Urban Terrain Zones

Figure 54. Areas of vegetation by vegetation types in coastal and interior sites for selected Urban Terrain Zones

Figure 55. Areas of vegetation by Urban Terrain Zones in coastal and interior sites for selected Urban Terrain Zones

Figure 56. Areas of vegetation for the entire coast and interior

Figure 57. Proportion of vegetation and non-vegetation for the entire coast and interior

Figure 58. Areas of vegetation by Urban Terrain Zones for the entire coast and interior

Pre-1959 and Post-1959 Areas

This comparison of vegetation was based entirely on an assessment of broadleaf deciduous and broadleaf evergreen trees. It compared the vegetation in areas built-up as of 1959 with those built-up between 1959 and 1990.

The selected locations, as previously noted, were based on Urban Terrain Zone types Dc3, Do2, Do4 and Do6. Because of inadequate data for Do4 (as few were built by 1959), only the other three types were used for the 1959 to 1990 comparison. All data were tabulated for an average number of trees per 10 hectares in each UTM grid cell (see Table V of Appendix A). UTM grid cells for each Urban Terrain Zone were then classified as pre-1959 or post-1959 areas using the method discussed in Chapter II.

A question was posed: do older areas (developed by 1959) have a higher proportion of broadleaf deciduous trees than the newer areas? Basis for the question was the assumption that current landscaping practice favors broadleaf evergreen over broadleaf deciduous to eliminate annual fallen leaf disposal.

The results of measurement showed that only in the Dc3 Urban Terrain Zone, the detached close-set residential, did the old areas have more broadleaf deciduous trees than broadleaf evergreen trees (see Figure 59 and Figure 60). For Do2 (open-set, apartments) and Do6 (administrative/cultural)

Urban Terrain Zones there more broadleaf evergreen trees found in pre-1959 places. Figure 61 shows that only Dc3 had a majority of conifers. So, as is shown in Figure 62, Dc3 had more palms in the pre-1959 areas than Do2 and Do6 (see also Figure 63 through Figure 65).

Figure 66, based on the entire study area for all types of trees, showed that the pre-1959 area had much more vegetation than post-1959 (1990) area. Within it, more broadleaf deciduous, broadleaf evergreen, conifers, and palms were found in the older areas than in the newer areas (see Figure 67).

Figure 59. Proportion of broadleaf deciduous trees in 1959 and 1990 areas for selected Urban Terrain Zones

Figure 60. Proportion of broadleaf evergreen trees in 1959 and 1990 areas for selected Urban Terrain Zones

Figure 61. Proportion of conifers in 1959 and 1990 areas for selected Urban Terrain Zones

Figure 62. Proportion of palms in 1959 and 1990 areas selected Urban Terrain Zones

Figure 63. Proportion of tree types for 1959 and 1990 areas of Dc3 (close-set, houses)

Figure 64. Proportion of tree types in 1959 and 1990 areas of Do2 (open-set, apartments)

Figure 65. Proportion of tree types in 1959 and 1990 areas of Do6 (administrative/cultural)

Figure 66. Density of trees for the entire 1959 and 1990 areas

Figure 67. Proportion of trees by tree types for the entire 1959 and 1990 areas

CHAPTER V

CONCLUSION

Using the aerial photos and data from the South Coast Air Basin Project, integrated with the Urban Terrain Zones, a number of conclusions about the urban biomass of the Los Angeles area were drawn.

First, in the aggregate, the entire study area of Los Angeles has an average of 266 trees per 10 hectares, considering the four basic tree types. This average is composed of 169 broadleaf evergreen, 40 palms, 30 broadleaf deciduous, and 27 conifers. In percentage of vegetative cover only 22 percent of the Los Angeles area has some kind of vegetation cover (without consideration of volume). The other 78 percent of land area has no vegetative cover, occupied by either buildings, freeways, or natural landuses. Of the 22 percent covered with vegetation, grasses account for 56 percent, followed by broadleaf evergreen 17 percent, ground cover 16 percent, broadleaf deciduous 4 percent, shrubs 3 percent, and conifers and palms 2 percent each.

Although grasses form the highest proportion among all the vegetation types, broadleaf evergreen is the dominant tree type within the four tree types. The 169 broadleaf

evergreen trees per 10 hectares account for 17 percent of the vegetative cover. Broadleaf deciduous trees form an average of only 30 trees per 10 hectares, and account for 4 percent of the vegetative cover. Considering the benefit of broadleaf deciduous (by cooling the surroundings in summer and saving heating in winter by allowing solar rays to reach houses), the result of this study may demonstrate the efficacy of planting more broadleaf deciduous trees in energy conservation programs in the Los Angeles and other metropolitan areas.

Second, the largest concentrations of vegetation (other than open, freeway, and administrative/cultural zones) are found in the Do3 (detached open-set houses) type of Urban Terrain Zone, with 26 percent of its area covered with vegetation. The Do2 (detached open-set apartments) Urban Terrain Zone is covered with 23 percent vegetative cover. Both zones have a greater proportion of vegetative cover and a higher density of trees than the aggregate study area (22 percent of vegetative cover in the area with an average of 266 trees per 10 hectares). The remaining Urban Terrain Zones have less than the average of the entire study area (which is less than 22 percent) and density of trees within them vary. Although the Urban Terrain Zone Do5 (widely separated buildings in new commercial ribbons) area has the highest density of trees (an average of 393 trees per 10

hectares), the proportion of vegetative cover within its area is only 13 percent. Tree density is higher here because it contains more smaller trees (e.g., three meter and one meter crown of broadleaf evergreen, conifer, and palm). The Dc3 (detached close-set houses) Urban Terrain Zone has 21 percent of vegetative cover in its area with 335 trees per 10 hectares. The Do5 zone (detached open-set new commercial ribbons) has 13 percent vegetative cover with 393 trees; Dc2 (detached close-set apartments) has 11 percent vegetative cover with 293 trees; Do4 (open-set industrial/storage) has 10 percent vegetative cover with 130 trees; and Dc5 (close-set older commercial ribbons) has 7 percent of its area covered with vegetation with 197 trees per 10 hectares. The lowest density of trees is found at the Dc4 (rail/dock related industrial and storage) type of Urban Terrain Zone; only 4 percent of its area is covered with vegetation with an average of 84 trees per 10 hectares. Thus, Dc4, Do4, and Dc5 would be the best candidates for street tree planting to mitigate air pollution.

Third, in the comparison of coastal to interior areas, one would theorize that in the generally arid Los Angeles area, coastal areas would have the greatest amount of vegetation. Results of this study found no significant variation in percentage of vegetation to non-vegetation cover between the coastal and interior regions. For selected

Urban Terrain Zones, the coastal region has a slightly greater average area of vegetation than does the interior region. The coastal region has 23 percent of its land area covered with vegetation while the interior region has 22 percent in vegetative cover. For the entire study area, although the interior has slightly more area of vegetation than the coastal region, both have the same proportion of vegetation to non-vegetative cover; 16 percent. In both instances, grass and broadleaf evergreen comprise the highest proportion, followed by ground cover. Consequently, there is no significant distinction in proportion of vegetation to non-vegetation among the two regions.

Lastly, in another spatial model, comparing the three different types of trees in the pre-1959 and post-1959 areas without consideration for other vegetation, the author expected that there might be more broadleaf deciduous trees in the pre-1959 development areas than the post-1959 development areas, and fewer broadleaf evergreens in the pre-1959 than the post-1959 area. The result did not bear this out (except for Dc3). The findings indicate that although for the figures of average density of trees per 10 hectares there are more trees in total found in the pre-1959 area than the post 1959 areas (for the entire study area), there are fewer deciduous trees in the pre-1959 area than the post-1959 area. Vice versa, there are more broadleaf

evergreen trees in the pre-1959 area than in the post-1959 area. In each circumstance, the study found more conifers and palms in the pre-1959 area than in the post-1959 area. In selected Urban Terrain Zones, the only finding that matches the hypothesis is in the detached Dc3 (close-set type of Urban Terrain Zone). Dc3 has more broadleaf deciduous in its pre-1959 areas than the post-1959 areas and fewer broadleaf evergreens in the pre-1959 than post-1959 areas, with both conifers and palms higher in the pre-1959 than in the post-1959 areas. This suggest that broadleaf deciduous trees were more popular in the pre-1959 period.

The methodology employed in the thesis has demonstrated the effectiveness of Urban Terrain Zones as both a framework for the study and a predictor of urban vegetation. Other studies of urban vegetation and other urban phenomena might be more easily conducted and be more expansive in scope by the use of these zones.

On a more general level, it might be noted that in the dichotomy between urban and rural or natural landscapes, there exists a considerable body of literature on the penetration or encroachment of urban forms into rural areas but much less on the presence of rural or natural elements in urban areas. Yet, as mentioned previously, data generated in such studies would be of scientific importance and would have both practical and aesthetic applications.

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APPENDIX A List of Tables

APPENDIX B Illustrations of Urban Terrain Zones

TABLE I. Data from South Coast Air Basin.

UTM #	UTZ	Area (ha)	Tree Crowns (in meters)																Surface Plants (in sq. meters)		
			Deciduous				Brdlf-Evgrm				Coniferous				Palms				Shrub	GndCov	Grass
			10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m			
365/3780	A1	4.4	3	18	15	3	11	40	28	13	0	1	7	12	0	0	4	15	256	64	384
380/3765	A1	114.4	4	18	33	9	57	196	250	98	0	0	0	12	0	9	124	14	210	3340	14570
385/3735	A1	39.1	12	13	8	2	29	63	202	79	0	0	0	0	0	48	154	25	228	0	14090
390/3735	A1	7.1	0	0	0	0	15	21	64	60	0	0	0	0	0	10	80	110	0	50	2598
395/3775	A1	22.2	0	9	18	0	56	33	46	4	2	7	3	50	0	36	14	0	464	1322	1581
465/3760	A1	10.5	1	4	9	3	10	57	37	7	1	7	4	1	0	4	45	39	405	132	300
350/3785	Dc2	8.4	5	3	6	4	5	10	3	4	4	0	0	3	0	2	15	0	32	192	128
360/3765	Dc2	10.8	0	3	0	0	62	80	24	0	0	12	0	0	0	55	0	0	240	180	9600
370/3745	Dc2	18.2	3	4	0	0	16	72	61	0	0	0	0	0	0	8	0	0	645	5258	6212
370/3780	Dc2	3.7	6	3	0	0	11	15	21	52	0	0	0	0	0	4	0	0	57	320	1264
375/3765	Dc2	22.4	0	8	4	1	4	41	44	17	0	0	0	1	0	1	8	32	0	625	3300
375/3780	Dc2	2.9	7	2	3	1	19	10	8	10	0	0	0	0	0	1	3	1	192	128	2632
380/3765	Dc2	23.2	0	17	0	0	22	40	0	0	0	16	0	0	0	57	0	0	160	0	4800
385/3735	Dc2	8.9	0	3	4	4	12	32	71	80	0	0	0	0	0	8	23	28	156	452	1560
385/3785	Dc2	1.6	7	0	0	0	5	7	0	0	0	2	2	0	0	2	0	0	6	0	366
390/3735	Dc2	30.2	1	9	7	0	19	116	129	23	0	0	0	51	0	74	142	105	0	570	11015
400/3740	Dc2	0.6	0	0	0	0	0	35	8	7	0	0	0	0	0	0	0	0	26	13	48
465/3755	Dc2	13.1	12	17	3	6	89	135	97	39	31	50	40	29	0	15	50	3	797	1958	6961
470/3770	Dc2	0.4	1	1	0	0	4	1	5	0	0	0	0	0	2	7	4	6	44	0	0
340/3790	Dc3	18.7	64	56	0	0	24	56	156	0	12	12	32	64	0	12	0	0	1220	360	61800
345/3780	Dc3	19.1	16	37	25	10	53	175	150	65	0	0	0	75	0	9	22	27	768	1024	8068
355/3765	Dc3	52.8	0	12	9	0	82	166	80	0	0	28	0	22	0	16	0	0	760	820	75680
360/3775	Dc3	15.5	4	44	70	0	24	70	57	24	9	5	10	60	0	1	12	5	340	1015	2275
360/3780	Dc3	14.5	80	175	55	12	55	130	125	175	0	0	0	95	0	11	15	22	3490	704	21824
360/3790	Dc3	12.9	54	45	0	0	0	0	0	0	4	35	19	55	2	12	3	0	776	460	12220
370/3750	Dc3	5.2	1	26	10	1	5	28	69	20	0	0	0	20	0	1	8	0	0	0	4218
370/3765	Dc3	36.9	5	0	0	0	48	85	60	35	0	0	0	30	0	14	60	80	196	0	22932
370/3770	Dc3	11.8	10	40	20	30	50	390	73	160	0	0	10	66	0	0	129	3	900	0	10500
375/3730	Dc3	15.5	9	18	20	10	67	123	183	65	0	5	6	27	1	18	141	22	1866	3983	10316
375/3745	Dc3	12.7	6	7	0	0	38	55	27	0	0	0	9	0	0	0	0	0	1100	2760	61884
380/3735	Dc3	18.4	48	19	6	5	51	102	91	96	0	0	0	0	0	3	14	14	1046	4730	20342
380/3745	Dc3	8.7	0	2	0	0	0	22	89	0	0	0	0	0	0	7	0	0	320	3150	170
380/3770	Dc3	16.5	5	16	4	7	28	89	67	22	0	0	0	26	0	22	67	8	65	350	8750
385/3750	Dc3	26.1	21	29	0	0	41	97	107	0	0	6	0	0	0	16	0	0	144	8064	22666
385/3770	Dc3	20.5	17	26	21	13	16	62	53	14	0	0	0	32	0	10	24	3	85	135	2340
390/3775	Dc3	35.7	12	15	0	0	192	234	121	0	0	36	0	0	72	480	0	0	304	612	36910
395/3735	Dc3	21.3	23	43	47	25	261	604	577	124	0	22	24	55	17	111	205	111	3500	175	69154
395/3735	Dc3	68.2	5	10	15	2	53	125	175	42	0	24	22	45	1	50	182	60	0	1050	31300
395/3745	Dc3	18.4	0	31	0	0	11	48	33	0	0	0	0	19	0	3	0	0	1640	640	26110
395/3750	Dc3	16.4	9	6	0	0	33	28	41	0	0	5	0	0	0	4	0	0	286	2544	47112
395/3780	Dc3	3.3	10	7	0	0	19	26	48	0	4	13	8	20	0	15	0	0	189	310	8510
400/3730	Dc3	56.4	4	8	8	4	134	410	327	102	0	12	16	22	2	22	97	127	4032	720	56594
400/3735	Dc3	36.2	19	62	81	27	53	304	311	36	2	10	3	13	1	29	34	5	481	140	18959
400/3740	Dc3	11.8	11	14	2	2	81	93	0	0	0	0	3	9	1	19	26	9	187	140	5250
400/3775	Dc3	7.8	30	30	0	0	108	0	0	0	0	0	0	0	0	0	0	0	0	0	1260
405/3730	Dc3	15.1	0	2	7	0	15	83	68	45	0	0	32	64	0	0	0	3	0	0	14050
405/3740	Dc3	16.7	1	12	16	0	9	87	196	66	0	0	39	46	0	0	13	0	36	7366	24402
410/3730	Dc3	20.8	1	20	10	5	37	124	225	202	0	0	0	0	0	1	7	10	1200	4250	26070
410/3750	Dc3	6.3	0	11	0	0	0	71	58	0	0	3	18	33	0	5	0	0	7650	6432	2194
410/3770	Dc3	19.2	32	48	12	0	54	192	148	0	0	28	0	12	0	24	0	0	240	110	12350

TABLE 1. Data from South Coast Air Basin.

UTM #	UTZ	Area (ha)	Tree Crowns (in meters)																Surface Plants (in sq. meters)					
			Deciduous				Brdlf-Evgrn				Coniferous				Palms				(in sq. meters)					
			10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	Shrub	GndCov	Grass			
410/3775	Dc3	25.8	17	51	14	0	46	96	63	0	12	17	4	0	2	13	4	0	560	1440	19240			
415/3715	Dc3	20.1	0	6	0	0	0	17	0	0	0	0	0	0	0	29	12	0	756	3754	5668			
415/3775	Dc3	10.3	20	23	0	0	43	84	78	0	0	0	26	0	2	31	0	0	360	3190	14300			
420/3730	Dc3	20.6	52	92	66	27	88	154	293	10	4	6	12	297	3	18	34	9	1961	2729	33494			
420/3750	Dc3	13.9	0	18	5	0	18	34	28	0	0	2	4	19	0	6	5	0	1012	1868	15238			
425/3710	Dc3	14.5	0	9	0	0	14	35	72	28	0	0	0	0	0	7	4	0	882	21168				
425/3730	Dc3	69.5	12	11	33	2	136	580	495	121	0	35	24	38	0	60	105	40	188	0	103396			
425/3750	Dc3	11.1	12	9	10	0	50	127	96	203	0	0	0	0	0	12	22	0	372	2724	11496			
425/3760	Dc3	11.4	0	0	0	3	0	0	4	18	0	0	0	14	0	0	0	4	74	340	8310			
430/3700	Dc3	15.4	0	16	0	0	0	224	536	212	0	0	0	0	0	0	0	0	5112	6448	11856			
430/3760	Dc3	27.7	0	0	3	2	0	11	33	93	0	0	0	15	0	0	0	1	405	6320	6000			
435/3700	Dc3	30.5	11	135	15	0	26	160	236	44	0	91	16	80	0	26	0	0	6120	3372	8850			
435/3720	Dc3	12.1	0	19	0	0	8	105	74	0	0	0	0	0	0	0	0	0	108	8400	6700			
435/3770	Dc3	5.6	9	27	11	0	23	23	17	45	0	0	0	0	0	3	2	0	0	1214	7024			
440/3715	Dc3	18.3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	440	27000	20160			
440/3775	Dc3	15.9	10	86	21	0	16	96	41	0	0	66	0	0	0	24	10	0	680	2350	41500			
445/3760	Dc3	18.3	0	0	0	0	0	0	0	4	0	0	0	54	0	0	0	0	45	0	1900			
445/3770	Dc3	8.5	3	2	0	0	6	14	10	0	0	0	0	5	0	5	0	0	192	640	7936			
450/3745	Dc3	15.3	37	14	2	2	91	42	37	22	3	2	7	214	7	10	17	13	80	36	23040			
450/3755	Dc3	19.8	30	10	20	10	50	30	120	0	10	30	20	220	0	2	10	10	1110	1860	22600			
460/3755	Dc3	8.3	5	30	45	10	140	120	120	0	40	50	0	110	0	10	20	0	740	1050	7100			
460/3770	Dc3	5.3	0	0	0	0	0	0	0	11	0	0	0	11	0	0	0	0	0	1024	7744			
465/3745	Dc3	5	0	0	0	0	0	0	15	0	0	0	1	95	0	0	0	0	860	1380	4220			
465/3760	Dc3	4.1	9	23	15	7	45	79	67	53	1	4	4	3	0	47	44	104	668	3061	6173			
470/3745	Dc3	9.9	0	6	3	5	6	14	23	13	0	7	0	0	0	0	7	1	130	32	7344			
470/3750	Dc3	18.5	3	12	13	1	9	61	26	14	1	2	6	23	0	0	17	1	180	220	40200			
470/3755	Dc3	19	18	20	42	10	16	21	66	5	3	5	18	157	1	3	2	1	1528	7961	51466			
470/3775	Dc3	5.2	7	36	4	1	32	37	31	14	8	7	0	0	0	2	4	0	2105	7165	14880			
470/3780	Dc3	21.7	63	52	21	7	32	107	53	9	0	0	0	58	0	12	65	17	85	0	6900			
475/3755	Dc3	4.6	20	10	6	3	7	2	32	0	3	6	8	34	4	1	6	3	372	150	10140			
475/3775	Dc3	15.8	19	22	33	21	67	132	308	25	6	0	0	110	0	9	58	7	115	105	2700			
480/3755	Dc3	9.1	40	30	0	0	15	0	20	25	10	10	0	10	1	2	5	0	240	60	4736			
480/3765	Dc3	15.5	67	65	20	5	123	93	45	35	5	3	10	85	12	77	31	21	540	900	18234			
Ant Val B	Dc3	3.8	3	30	23	0	14	23	62	0	15	36	34	170	0	0	0	0	104	240	3808			
Ant Val A	Dc3	7.4	30	17	139	14	4	5	13	0	4	11	35	54	0	0	2	2	0	128	6908			
PlmSpr A	Dc3	19.7	0	0	0	0	65	90	125	290	0	0	0	0	45	150	70	30	10276	0	16691			
PlmSpr D	Dc3	20.1	10	6	0	0	130	260	160	385	0	0	0	0	0	130	158	125	8100	0	16640			
PlmSpr E	Dc3	1.8	0	0	0	0	70	42	50	65	0	0	0	0	0	35	40	70	0	0	4960			
370/3790	Dc4	1.9	4	12	0	0	6	21	4	0	0	3	0	0	0	0	0	0	170	0	840			
375/3770	Dc4	18.2	1	7	7	0	14	19	36	26	0	0	0	22	0	0	17	38	54	0	275			
380/3735	Dc4	13.3	0	1	0	0	2	18	11	5	0	0	0	0	0	0	0	2	172	86	344			
380/3775	Dc4	11.2	0	3	6	8	3	22	24	27	1	0	0	1	0	0	1	4	0	1670	150			
385/3745	Dc4	16.1	0	0	0	0	9	31	34	0	0	0	0	0	0	0	0	0	1335	4581	0			
385/3765	Dc4	30.8	0	0	12	2	0	6	9	24	0	0	0	5	0	1	7	30	125	450	170			
390/3745	Dc4	15.7	0	0	0	0	3	3	8	0	0	0	0	0	0	0	0	0	0	660	0			
390/3750	Dc4	14.1	0	16	0	0	0	6	7	0	0	0	0	0	0	1	0	0	0	192	640			
390/3765	Dc4	7.1	0	3	3	1	4	39	7	6	0	0	0	0	0	0	26	3	170	8560	0			
390/3770	Dc4	7.4	1	1	1	3	1	10	34	6	0	1	0	0	0	0	0	1	1	150	60			
400/3750	Dc4	17.6	0	8	0	0	0	13	35	0	0	29	0	0	0	4	0	0	676	1628	1640			
400/3765	Dc4	39.1	3	8	4	1	7	65	25	17	0	0	1	17	0	0	8	0	0	0	1280			

TABLE 1. Data from South Coast Air Basin.

UTM #	UTZ		Tree Crowns (in meters)																Surface Plants (in sq. meters)					
	UT	Area (ha)	Deciduous				Brdlf-Evgrm				Coniferous				Palms				(in sq. meters)					
			10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	Shrub	GndCov	Grass			
400/3770	Dc4	23.2	5	8	11	2	22	50	147	7	0	0	1	15	0	1	6	3	290	50	425			
405/3745	Dc4	5.7	0	0	0	0	6	12	10	0	0	0	1	0	0	0	0	0	160	185	491			
405/3775	Dc4	8.5	0	0	0	0	13	56	17	0	0	0	0	0	0	0	0	0	64	214	1560			
410/3720	Dc4	4.2	5	0	0	0	0	16	66	0	0	0	0	0	0	5	0	0	694	223	288			
410/3735	Dc4	16.8	5	9	7	0	7	5	55	0	5	6	5	27	0	0	0	0	256	936	1830			
420/3730	Dc4	20.3	0	0	0	0	7	45	71	23	0	0	11	5	0	1	9	6	0	212	4659			
420/3745	Dc4	4.2	0	0	9	0	2	0	28	0	14	10	0	0	0	0	0	0	0	0	72			
430/3765	Dc4	23.6	18	13	0	0	22	29	25	7	0	3	2	34	0	0	0	0	0	7000	0			
455/3760	Dc4	10.8	0	0	1	0	0	4	1	0	0	0	0	0	0	0	0	0	0	25	0			
365/3790	Dc5	4.6	3	0	0	0	7	11	14	0	1	9	4	0	0	10	0	0	80	820	276			
370/3735	Dc5	0.2	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	6	0	10			
375/3730	Dc5	3.3	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	3	2	127	195			
380/3735	Dc5	1.2	2	1	0	0	5	10	10	10	0	0	0	0	0	2	1	4	100	0	602			
380/3775	Dc5	10.9	0	0	0	0	0	54	15	0	0	0	0	0	0	0	0	0	60	0	220			
385/3775	Dc5	6.5	0	0	0	0	0	9	38	0	0	0	0	0	0	0	0	0	60	128	0			
385/3785	Dc5	1.2	3	0	0	0	4	11	0	0	0	0	0	0	0	0	0	0	21	268	24			
395/3770	Dc5	6.7	0	0	0	0	0	65	32	19	0	0	0	0	0	0	0	0	100	0	0			
405/3770	Dc5	5.8	1	5	1	0	8	22	21	0	0	0	0	8	0	0	2	0	80	205	175			
415/3770	Dc5	11.8	0	0	0	0	26	35	55	0	0	14	0	0	0	0	0	0	150	560	2820			
420/3730	Dc5	4.5	0	1	0	0	7	8	6	2	0	0	0	0	0	8	4	1	145	325	215			
445/3745	Dc5	9.8	17	3	1	0	16	35	34	16	2	0	0	8	0	4	17	9	45	0	540			
460/3755	Dc5	7.2	0	3	6	1	19	25	38	0	2	3	8	55	0	4	32	38	208	370	1261			
465/3760	Dc5	8.4	2	16	12	0	17	56	44	12	0	2	1	3	0	32	34	57	300	612	1800			
470/3770	Dc5	0.2	2	0	0	0	0	1	2	0	0	0	0	0	1	2	1	0	12	48	0			
480/3755	Dc5	4.9	15	14	7	4	5	15	27	0	2	6	2	27	0	1	6	5	240	530	2220			
PlmSpr A	Dc5	4.9	0	0	0	0	11	15	25	22	0	0	0	0	0	52	27	18	0	0	512			
350/3790	Do2	3.7	6	20	15	0	20	7	7	0	7	9	0	0	0	7	0	0	850	1110	4375			
355/3780	Do2	8.1	6	15	24	21	26	81	131	64	0	0	0	9	0	0	0	0	512	704	3712			
365/3760	Do2	22.2	0	4	0	0	46	315	62	0	0	12	44	21	0	14	0	0	0	8100	48100			
370/3735	Do2	1.6	1	1	3	1	22	31	45	15	0	0	0	0	0	0	0	0	1904	0	2366			
370/3760	Do2	15.9	3	9	18	20	89	139	133	51	0	0	0	62	0	0	1	3	205	0	1785			
380/3735	Do2	4.3	26	47	24	0	23	10	9	1	0	0	0	0	0	0	0	0	0	0	21070			
400/3730	Do2	3.4	0	4	6	3	45	90	63	48	0	0	0	0	0	22	27	4	0	0	5472			
400/3760	Do2	8.2	0	0	0	0	0	0	0	0	120	**	155	84	0	0	0	0	0	0	720			
405/3730	Do2	3.1	0	0	0	0	6	23	15	5	0	0	0	0	0	2	15	5	0	0	2800			
405/3740	Do2	1.5	0	0	0	0	0	14	40	11	0	0	0	0	0	0	0	0	108	20	1350			
415/3750	Do2	5.6	0	0	2	1	10	16	11	0	0	0	0	0	0	5	0	0	645	3152	216			
420/3745	Do2	3	0	0	0	3	0	0	17	9	0	0	20	0	0	12	10	3	0	1188	1434			
430/3715	Do2	12.8	0	12	0	0	12	18	36	0	0	0	6	0	0	36	0	0	330	1440	13800			
445/3775	Do2	10.5	0	1	1	57	0	12	7	54	0	0	0	0	0	0	0	0	2025	3150	4825			
455/3770	Do2	2.2	1	3	4	1	5	5	13	0	0	0	0	20	0	4	3	3	64	64	2176			
460/3750	Do2	5.4	11	3	0	0	14	13	3	0	3	19	5	1	0	6	11	0	0	75	10500			
470/3765	Do2	6.5	0	2	39	62	0	18	28	9	1	8	28	11	0	9	11	2	182	16	13060			
AntVal B	Do2	1.8	0	0	0	33	0	0	22	0	0	3	4	0	0	0	0	0	0	0	992			
PlmSpr B	Do2	2.4	1	1	0	0	3	15	18	25	0	0	0	0	0	5	20	20	64	0	6966			
PlmSpr C	Do2	11.1	0	7	17	35	88	75	90	115	0	0	0	0	0	80	95	105	0	0	25620			
PlmSpr E	Do2	17.4	4	3	4	0	148	195	135	90	0	0	0	0	0	137	206	130	2334	0	34306			
350/3790	Do3	7.3	3	9	0	0	26	36	40	0	0	14	0	12	0	8	0	0	110	80	240			
360/3760	Do3	2.9	0	0	0	0	8	92	16	0	0	8	0	15	0	0	0	0	410	360	4200			
360/3770	Do3	8.6	2	11	7	0	27	159	100	0	2	0	0	60	0	1	22	10	250	300	4500			

TABLE I. Data from South Coast Air Basin.

UTM #	UT	UTZ	Tree Crowns (in meters)																Surface Plants (in sq. meters)									
			Area				Deciduous				Brdlf-Evgrn				Coniferous				Palms				(in sq. meters)					
			(ha)	10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	Shrub	GndCov	Grass						
365/3770	Do3	20.3	8	17	8	0	247	392	504	421	13	4	20	50	0	58	176	10	2970	3500	10100							
365/3775	Do3	12.3	0	6	11	0	20	92	212	0	12	32	14	12	0	6	0	0	3850	1940	1410							
365/3795	Do3	17.1	21	16	26	3	43	258	87	22	2	6	2	35	0	1	9	0	175	390	265							
370/3735	Do3	5.6	3	0	7	2	71	69	62	16	0	0	3	0	0	16	27	0	984	892	690							
370/3775	Do3	13.2	11	20	0	0	76	64	31	0	31	42	18	41	0	26	4	0	3410	2340	1860							
375/3735	Do3	21.3	17	26	18	0	317	671	408	262	5	9	6	23	0	0	16	9	688	19243	16653							
380/3780	Do3	11.5	10	21	0	0	40	77	32	0	16	26	9	12	2	14	7	0	567	216	22200							
380/3790	Do3	7.5	16	17	3	0	54	94	80	0	34	43	27	17	0	19	0	0	340	2135	9838							
385/3780	Do3	2.8	1	1	0	0	6	15	34	0	0	14	0	9	0	9	0	0	204	3060	418							
405/3760	Do3	22.4	25	20	5	2	97	84	97	62	6	23	5	65	1	11	10	2	1300	58700	11400							
415/3765	Do3	24.6	6	9	8	12	71	107	47	32	5	6	4	2	0	3	12	11	1485	21500	4775							
435/3765	Do3	5.3	20	4	1	0	8	6	4	13	4	3	0	0	1	1	0	0	110	525	2160							
450/3770	Do3	6.5	2	4	0	0	12	36	19	0	0	13	0	0	0	6	0	0	120	0	8800							
450/3775	Do3	5.4	0	0	0	0	6	6	0	0	0	0	0	0	0	0	0	0	335	220	2299							
455/3775	Do3	16.8	2	15	23	2	7	22	43	34	0	4	5	0	0	0	4	0	1021	54050	9150							
460/3760	Do3	24.2	33	48	32	14	19	75	46	0	0	0	3	18	0	7	18	0	1250	4200	32500							
465/3750	Do3	3.4	1	5	1	0	8	14	4	3	4	1	3	0	0	2	20	6	150	500	9500							
470/3745	Do3	11.3	0	11	0	0	4	7	6	0	0	0	0	0	0	5	2	0	36	0	64							
470/3770	Do3	4.4	35	2	6	0	53	18	3	0	2	0	0	0	43	3	4	7	248	720	50400							
475/3750	Do3	15.1	4	11	7	16	24	27	23	0	1	4	0	8	1	5	3	0	127	0	7700							
475/3755	Do3	6.7	0	0	0	0	0	0	3	61	0	0	5	8	0	0	0	0	0	306	5232							
490/3760	Do3	11.6	108	102	70	49	57	62	49	46	25	16	5	5	0	12	21	4	3968	41504	4824							
495/3760	Do3	17.7	8	12	22	9	17	17	16	26	0	0	1	0	8	17	1	2	3226	14252	24432							
350/3780	Do4	20.5	55	140	195	155	67	185	175	215	0	0	0	0	0	0	0	0	448	0	28994							
370/3750	Do4	12.1	0	36	1	0	4	36	31	23	0	0	0	0	0	0	6	0	928	477	7679							
375/3750	Do4	11.7	0	0	0	0	0	9	16	0	0	0	0	0	0	1	0	0	175	716	1034							
405/3730	Do4	9.1	3	4	4	0	18	27	45	35	0	0	0	0	1	7	16	0	150	5700	2175							
405/3735	Do4	26.3	5	11	16	21	65	42	174	153	3	3	13	1	0	1	3	3	634	1280	2003							
415/3735	Do4	10.5	0	0	8	100	4	4	2	87	0	0	0	0	0	5	52	0	99	1599	2787							
415/3745	Do4	21.3	6	0	0	0	11	39	13	26	0	0	0	0	0	1	5	2	64	2048	2624							
415/3760	Do4	37.1	0	6	36	31	4	46	167	75	0	0	0	10	0	1	0	0	110	1600	14475							
420/3745	Do4	3.6	0	0	0	0	0	1	14	12	0	0	0	1	0	0	0	0	243	710	444							
420/3760	Do4	30.6	3	9	5	20	7	40	21	40	0	0	0	0	0	0	0	0	500	1100	9950							
425/3765	Do4	10.9	5	3	11	6	26	48	16	37	0	0	1	1	0	0	0	0	0	225	1920							
430/3720	Do4	24.7	0	2	0	0	5	39	146	0	0	0	0	0	0	0	0	0	1020	20050	0							
430/3770	Do4	27.4	0	0	1	1	11	88	92	43	0	0	0	0	0	0	0	0	0	19840	3200							
435/3760	Do4	4.6	0	1	0	25	0	0	2	11	0	0	0	0	0	0	0	0	100	0	3685							
440/3770	Do4	23.9	0	0	8	7	0	8	4	7	0	0	0	0	0	0	0	0	0	7680	4402							
495/3760	Do4	3.2	0	0	0	0	5	5	0	0	0	0	0	0	6	2	0	2	0	0	15400							
335/3790	Do5	12.3	23	27	0	0	6	54	23	0	0	5	0	0	0	0	0	0	1778	725	4405							
360/3790	Do5	9.7	0	2	0	0	0	12	18	0	0	0	0	13	0	2	0	0	776	120	624							
400/3730	Do5	4.9	1	1	6	0	9	30	28	8	0	0	0	0	0	0	0	0	0	144	588							
405/3730	Do5	13.6	0	0	2	0	6	12	67	53	0	0	0	0	0	13	8	0	1250	0	2000							
405/3740	Do5	2.2	0	0	2	0	0	0	47	92	0	0	0	0	0	0	0	0	90	0	234							
410/3760	Do5	22.7	0	3	3	6	8	117	115	39	0	0	0	0	0	0	0	0	180	1000	5500							
425/3770	Do5	5	0	0	0	4	0	0	3	2	0	0	0	0	0	0	3	1	0	320	64							
435/3715	Do5	7.1	2	36	0	0	0	14	56	16	0	0	0	0	0	0	0	0	1965	810	0							
445/3770	Do5	5.4	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	100	0							
460/3755	Do5	2.3	0	0	0	0	0	147	181	0	42	53	8	85	0	14	57	41	958	1760	8391							
465/3755	Do5	3.5	0	12	93	21	11	4	23	8	0	16	39	10	0	0	1	0	900	1360	3100							

TABLE 1. Data from South Coast Air Basin.

UTM #	UTZ	Area (ha)	Tree Crowns (in meters)												Surface Plants (in sq. meters)						
			Deciduous				Brdlf-Evgrn				Coniferous				Palms			1m	Shrub	GndCov	Grass
			10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m				
465/3775	Do5	6.8	0	0	0	0	0	0	4	62	0	0	0	0	0	0	0	0	0	5280	1765
470/3765	Do5	3.2	0	0	0	0	8	0	4	1	0	0	0	0	0	7	43	11	84	1180	1500
PlmSpr B	Do5	22.1	1	1	0	0	41	110	105	50	1	1	1	1	1	95	165	170	1216	0	22592
345/3790	Do6	3.1	3	3	0	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	21890
355/3785	Do6	8.6	19	14	3	6	17	33	20	15	0	0	0	0	0	2	25	25	64	1664	4752
370/3750	Do6	4.9	1	1	2	0	2	23	15	25	0	0	0	0	0	0	0	0	0	0	20556
375/3790	Do6	3.9	5	2	4	3	7	10	6	11	3	1	0	1	0	0	0	0	25	0	395
380/3750	Do6	5.7	1	0	0	0	14	12	11	0	0	0	0	0	0	0	0	0	0	120	30448
390/3780	Do6	11.1	19	8	2	1	39	35	13	1	0	0	0	0	0	12	2	0	128	384	9216
395/3735	Do6	1.4	1	0	0	0	9	3	9	9	0	0	0	0	0	0	2	0	0	200	1300
395/3760	Do6	9.1	2	2	0	0	2	25	28	25	0	0	0	0	0	0	0	0	0	0	21200
400/3740	Do6	0.8	0	0	0	0	26	7	2	0	0	0	0	0	0	0	0	0	26	0	6400
400/3775	Do6	12.4	0	0	0	0	5	35	4	6	0	0	0	0	0	0	29	0	770	700	29375
405/3730	Do6	16.2	0	4	3	0	2	72	35	0	0	0	0	0	0	0	0	0	0	1500	95900
405/3775	Do6	3.2	5	7	0	0	39	52	12	0	0	0	0	0	0	0	0	0	0	121	0
410/3745	Do6	4.1	5	2	0	0	25	10	6	3	0	0	0	0	0	0	0	0	0	0	16512
410/3765	Do6	7.4	11	0	1	3	22	13	31	0	2	0	0	0	0	6	3	0	0	0	30250
420/3730	Do6	6.7	0	7	12	1	12	16	14	22	0	0	0	0	0	0	25	0	120	135	12369
420/3765	Do6	25.7	10	15	11	1	89	32	31	12	5	17	0	0	1	8	36	5	0	240	46300
420/3770	Do6	2.3	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	16240
420/3775	Do6	3.6	7	4	0	0	7	8	0	0	0	4	0	0	0	0	0	0	0	180	16200
425/3730	Do6	19.3	0	5	20	0	20	120	70	45	0	0	0	0	0	0	0	0	0	11232	83808
425/3750	Do6	4.8	0	2	5	0	6	14	10	10	0	0	0	0	0	0	0	0	0	6642	12060
435/3715	Do6	12.5	0	11	0	0	18	43	24	0	0	0	0	0	0	0	0	0	95	0	24780
445/3750	Do6	13.8	1	0	0	0	56	28	0	8	2	0	0	0	3	43	11	33	8	0	6344
455/3750	Do6	8.8	3	0	7	0	5	2	113	50	0	0	0	0	0	1	1	0	205	4330	15635
465/3760	Do6	6.3	4	6	2	7	25	15	17	41	0	1	3	36	0	4	8	45	320	2369	2813
465/3770	Do6	3.8	15	5	9	2	8	9	12	10	0	0	0	0	0	0	20	0	192	1920	14720
475/3765	Do6	12.9	55	60	30	0	55	66	60	30	60	85	85	0	0	0	35	6	2100	6024	27540
475/3775	Do6	5.5	2	16	0	1	0	0	5	0	0	0	3	0	0	1	17	2	97	0	19400
480/3755	Do6	3.1	15	5	30	10	7	2	0	3	6	0	1	0	0	9	16	0	258	64	5660
AntVal A	Do6	0.6	3	9	9	0	1	0	0	0	1	7	6	17	0	0	0	0	0	0	11235
AntVal B	Do6	7.5	56	35	52	0	1	0	0	0	87	33	1	0	0	0	0	0	266	0	12144
PlmSpr C	Do6	2.1	0	1	5	0	11	23	25	10	0	0	0	0	0	2	15	30	0	0	2602
PlmSpr D	Do6	7.8	6	40	20	2	40	110	95	65	0	0	0	0	0	0	15	25	0	0	22800
PlmSpr E	Do6	2.6	5	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	2240	0	13184
365/3765	Fwy	8.1	0	2	0	0	92	85	55	35	0	12	5	0	0	0	0	0	392	1960	0
365/3790	Fwy	6.3	7	3	0	0	36	397	0	0	0	0	0	0	0	11	0	0	6240	1050	0
370/3790	Fwy	2.3	0	0	0	0	0	36	20	0	0	0	0	0	0	0	0	0	0	12750	0
375/3735	Fwy	1.8	0	0	0	0	6	14	33	0	0	0	0	0	0	0	0	0	0	3960	90
385/3735	Fwy	4.2	3	2	15	12	45	54	56	20	0	0	0	0	0	0	13	13	268	846	16128
390/3765	Fwy	9.7	0	0	0	0	10	20	23	11	0	0	0	0	0	0	0	0	3150	7100	0
405/3735	Fwy	3.1	5	4	2	4	76	16	15	22	5	8	2	3	0	0	2	0	2583	1630	188
405/3745	Fwy	8.7	0	0	0	0	23	148	64	0	0	6	0	0	0	2	0	0	1150	5400	0
405/3765	Fwy	4.9	17	5	4	2	26	43	69	140	0	0	0	0	0	0	3	1	0	195	0
420/3735	Fwy	8.7	0	0	0	0	19	20	33	0	0	0	0	0	0	0	0	0	0	19768	0
435/3710	Fwy	9.5	0	0	0	0	13	47	106	0	0	0	0	0	0	0	0	0	2270	2095	0
435/3715	Fwy	6.8	0	0	0	0	2	33	62	0	0	0	0	0	0	0	0	0	0	17075	0
375/3730	Nat	0.6	0	0	1	0	1	16	43	18	0	0	0	0	0	0	7	1	1458	4772	0
345/3790	Opn	2	9	3	0	0	3	15	0	0	2	9	0	0	0	0	0	0	0	0	16350

TABLE I. Data from South Coast Air Basin.

UTM #	UTZ UT	Area (ha)	Tree Crowns (in meters)												Surface Plants (in sq. meters)						
			Deciduous				Brdlf-Evgrn				Coniferous				Palms			1m	Shrub	GndCov	Grass
			10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m	1m	10m	5m	3m				
355/3790	Opn	15.4	0	21	0	0	30	72	160	0	0	25	112	0	0	0	0	0	0	0	8410
390/3765	Opn	16.5	0	0	0	0	55	65	50	70	0	0	0	0	0	5	7	0	350	150	80830
395/3735	Opn	3.6	0	0	0	0	6	28	48	30	0	0	0	0	0	0	0	0	0	0	54300
405/3750	Opn	14.5	7	12	0	0	47	41	16	0	0	4	0	0	0	31	0	0	0	0	156000
425/3745	Opn	3.1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	1536	320	0
425/3750	Opn	4.5	3	1	0	0	7	41	53	33	0	0	0	0	0	0	2	0	468	7395	2484
425/3775	Opn	9.2	0	1	0	0	25	31	48	58	3	6	3	0	0	0	16	0	1050	11250	46200
455/3755	Opn	3.7	2	0	4	0	77	70	24	2	0	0	1	0	0	0	0	0	0	9010	0
465/3760	Opn	1.7	4	6	4	4	20	28	12	12	3	0	0	0	0	16	20	0	0	384	4900
470/3755	Opn	1.5	0	0	0	0	0	0	0	0	0	4	5	0	0	0	0	0	0	18816	0
475/3765	Opn	2.1	0	3	2	0	10	1	4	0	5	2	0	0	0	0	0	0	36	90	28292
PlmSpr C	Opn	22.5	30	35	25	25	80	150	80	180	0	0	0	0	0	110	250	155	0	0	195024
345/3785	Wdd	3.2	3	0	0	0	45	130	35	20	0	0	0	0	0	0	0	0	0	0	0
435/3775	Wdd	3.7	0	0	0	0	2	697	0	0	0	0	0	0	0	0	0	0	0	0	0

TABLE II. Avg. Number of trees per 10 hectares.

UTM #		Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		UTZ	D10T	DST	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	
365/3780	A1	7	41	34	7	89	25	91	64	30	209	0	2	16	27	45	0	0	9	34	43	386
380/3765	A1	0	2	3	1	6	5	17	22	9	53	0	0	0	1	1	0	1	11	1	13	72
385/3735	A1	3	3	2	1	9	7	16	52	20	95	0	0	0	0	0	0	12	39	6	58	162
390/3735	A1	0	0	0	0	0	21	30	90	85	225	0	0	0	0	0	0	14	113	155	282	507
395/3775	A1	0	4	8	0	12	25	15	21	2	63	1	3	1	23	28	0	16	6	0	23	125
465/3760	A1	1	4	9	3	16	10	54	35	7	106	1	7	4	1	12	0	4	43	37	84	218
Average	A1	2	9	9	2	22	16	37	47	25	125	0	2	4	9	14	0	8	37	39	84	245
350/3785	De2	6	4	7	5	21	6	12	4	5	26	5	0	0	4	8	0	2	18	0	20	76
360/3765	De2	0	3	0	0	3	57	74	22	0	154	0	11	0	0	11	0	51	0	0	51	219
370/3745	De2	2	2	0	0	4	9	40	34	0	82	0	0	0	0	0	0	4	0	0	4	90
370/3780	De2	16	8	0	0	24	30	41	57	141	268	0	0	0	0	0	0	11	0	0	11	303
375/3765	De2	0	4	2	0	6	2	18	20	8	47	0	0	0	0	0	0	0	4	14	18	72
375/3780	De2	24	7	10	3	45	66	34	28	34	162	0	0	0	0	0	0	3	10	3	17	224
380/3765	De2	0	7	0	0	7	9	17	0	0	27	0	7	0	0	7	0	25	0	0	25	66
385/3735	De2	0	3	4	4	12	13	36	80	90	219	0	0	0	0	0	0	9	26	31	66	298
385/3785	De2	44	0	0	0	44	31	44	0	0	75	0	13	13	0	25	0	13	0	0	13	156
390/3735	De2	0	3	2	0	6	6	38	43	8	95	0	0	0	17	17	0	25	47	35	106	224
400/3740	De2	0	0	0	0	0	0	583	133	117	833	0	0	0	0	0	0	0	0	0	0	833
465/3755	De2	9	13	2	5	29	68	103	74	30	275	24	38	31	22	115	0	11	38	2	52	470
470/3770	De2	25	25	0	0	50	100	25	125	0	250	0	0	0	0	0	50	175	100	150	475	775
Average	De2	10	6	2	1	19	31	82	48	33	193	2	5	3	3	14	4	25	19	18	66	293
340/3790	De3	34	30	0	0	64	13	30	83	0	126	6	6	17	34	64	0	6	0	0	6	261
345/3780	De3	8	19	13	5	46	28	92	79	34	232	0	0	0	39	39	0	5	12	14	30	348
355/3765	De3	0	2	2	0	4	16	31	15	0	62	0	5	0	4	9	0	3	0	0	3	79
360/3775	De3	3	28	45	0	76	15	45	37	15	113	6	3	6	39	54	0	1	8	3	12	255
360/3780	De3	55	121	38	8	222	38	90	86	121	334	0	0	0	66	66	0	8	10	15	33	655
360/3790	De3	42	35	0	0	77	0	0	0	0	0	3	27	15	43	88	2	9	2	0	13	178
370/3750	De3	2	50	19	2	73	10	54	133	38	235	0	0	0	38	38	0	2	15	0	17	363
370/3765	De3	1	0	0	0	1	13	23	16	9	62	0	0	0	8	8	0	4	16	22	42	113
370/3770	De3	8	34	17	25	85	42	331	62	136	570	0	0	8	56	64	0	0	109	3	112	831
375/3730	De3	6	12	13	6	37	43	79	118	42	283	0	3	4	17	25	1	12	91	14	117	461
375/3745	De3	5	6	0	0	10	30	43	21	0	94	0	0	7	0	7	0	0	0	0	0	112
380/3735	De3	26	10	3	3	42	28	55	49	52	185	0	0	0	0	0	0	2	8	8	17	244
380/3745	De3	0	2	0	0	2	0	25	102	0	128	0	0	0	0	0	0	8	0	0	8	138
380/3770	De3	3	10	2	4	19	17	54	41	13	125	0	0	0	16	16	0	13	41	5	59	219
385/3750	De3	8	11	0	0	19	16	37	41	0	94	0	2	0	0	2	0	6	0	0	6	121
385/3770	De3	8	13	10	6	38	8	30	26	7	71	0	0	0	16	16	0	5	12	1	18	142
390/3775	De3	3	4	0	0	8	54	66	34	0	153	0	10	0	0	10	20	134	0	0	155	325
395/3735	De3	11	20	22	12	65	123	284	271	58	735	0	10	11	26	47	8	52	96	52	208	1056
395/3745	De3	0	17	0	0	17	6	26	18	0	50	0	0	0	10	10	0	2	0	0	2	79
395/3750	De3	5	4	0	0	9	20	17	25	0	62	0	3	0	0	3	0	2	0	0	2	77
395/3780	De3	30	21	0	0	52	58	79	145	0	282	12	39	24	61	136	0	45	0	0	45	515
400/3730	De3	1	1	1	1	4	24	73	58	18	173	0	2	3	4	9	0	4	17	23	44	230
400/3735	De3	5	17	22	7	52	15	84	86	10	194	1	3	1	4	8	0	8	9	1	19	273
400/3740	De3	9	12	2	2	25	69	79	0	0	147	0	0	3	8	10	1	16	22	8	47	229
400/3775	De3	38	38	0	0	77	138	0	0	0	138	0	0	0	0	0	0	0	0	0	0	215
405/3730	De3	0	1	5	0	6	10	55	45	30	140	0	0	21	42	64	0	0	0	0	2	211
405/3740	De3	1	7	10	0	17	5	52	117	40	214	0	0	23	28	51	0	0	8	0	8	290
410/3730	De3	0	10	5	2	17	18	60	108	97	283	0	0	0	0	0	0	0	3	5	9	309
410/3750	De3	0	17	0	0	17	0	113	92	0	205	0	5	29	52	86	0	8	0	0	8	316
410/3770	De3	17	25	6	0	48	28	100	77	0	205	0	15	0	6	21	0	13	0	0	13	286
410/3775	De3	7	20	5	0	32	18	37	24	0	79	5	7	2	0	13	1	5	2	0	7	131
415/3715	De3	0	3	0	0	3	8	0	0	0	8	0	0	0	0	0	0	14	6	0	20	32
415/3775	De3	19	22	0	0	42	42	82	76	0	199	0	0	25	0	25	2	30	0	0	32	298
420/3730	De3	25	45	32	13	115	43	75	142	5	265	2	3	6	144	155	1	9	17	4	31	566
420/3750	De3	0	13	4	0	17	13	24	20	0	58	0	1	3	14	18	0	4	4	0	8	100
425/3710	De3	0	6	0	0	6	10	24	50	19	103	0	0	0	0	0	0	5	3	0	8	117
425/3730	De3	2	2	5	0	8	20	83	71	17	192	0	5	3	5	14	0	9	15	6	29	243
425/3750	De3	11	8	9	0	28	45	114	86	183	429	0	0	0	0	0	0	11	20	0	31	487

TABLE II. Avg. Number of trees per 10 hectares.

UTM #		Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL	
		UTZ	D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T		PLM
425/3760	Dec3	0	0	0	0	3	3	0	0	4	16	19	0	0	0	12	12	0	0	0	4	4	38
430/3700	Dec3	0	10	0	0	10	0	145	348	138	631	0	0	0	0	0	0	0	0	0	0	0	642
430/3760	Dec3	0	0	1	1	2	0	4	12	34	49	0	0	0	5	5	0	0	0	0	0	57	
435/3700	Dec3	4	44	5	0	53	9	52	77	14	153	0	30	5	26	61	0	9	0	0	9	275	
435/3720	Dec3	0	16	0	0	16	7	87	61	0	155	0	0	0	0	0	0	0	0	0	0	170	
435/3770	Dec3	16	48	20	0	84	41	41	30	80	193	0	0	0	0	0	0	5	4	0	9	286	
440/3715	Dec3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
440/3775	Dec3	6	54	13	0	74	10	60	26	0	96	0	42	0	0	42	0	15	6	0	21	233	
445/3760	Dec3	0	0	0	0	0	0	0	0	2	2	0	0	0	30	30	0	0	0	0	0	32	
445/3770	Dec3	4	2	0	0	6	7	16	12	0	35	0	0	0	6	6	0	6	0	0	6	53	
450/3745	Dec3	24	9	1	1	36	59	27	24	14	125	2	1	5	140	148	5	7	11	8	31	340	
450/3755	Dec3	15	5	10	5	35	25	15	61	0	101	5	15	10	111	141	0	1	5	5	11	289	
460/3755	Dec3	6	36	54	12	108	169	145	145	0	458	48	60	0	133	241	0	12	24	0	36	843	
460/3770	Dec3	0	0	0	0	0	0	0	0	21	21	0	0	0	21	21	0	0	0	0	0	42	
465/3745	Dec3	0	0	0	0	0	0	0	30	0	30	0	0	2	190	192	0	0	0	0	0	222	
465/3760	Dec3	22	56	37	17	132	110	193	163	129	595	2	10	10	7	29	0	115	107	254	476	1232	
470/3745	Dec3	0	6	3	5	14	6	14	23	13	57	0	7	0	0	7	0	0	7	1	8	86	
470/3750	Dec3	2	6	7	1	16	5	33	14	8	59	1	1	3	12	17	0	0	9	1	10	102	
470/3755	Dec3	9	11	22	5	47	8	11	35	3	57	2	3	9	83	96	1	2	1	1	4	204	
470/3775	Dec3	13	69	8	2	92	62	71	60	27	219	15	13	0	0	29	0	4	8	0	12	352	
470/3780	Dec3	29	24	10	3	66	15	49	24	4	93	0	0	0	27	27	0	6	30	8	43	229	
475/3755	Dec3	43	22	13	7	85	15	4	70	0	89	7	13	17	74	111	9	2	13	7	30	315	
475/3775	Dec3	12	14	21	13	60	42	84	195	16	337	4	0	0	70	73	0	6	37	4	47	517	
480/3755	Dec3	44	33	0	0	77	16	0	22	27	66	11	11	0	11	33	1	2	5	0	9	185	
480/3765	Dec3	43	42	13	3	101	79	60	29	23	191	3	2	6	55	66	8	50	20	14	91	450	
Ant Val B	Dec3	8	79	61	0	147	37	61	163	0	261	39	95	89	447	671	0	0	0	0	0	1079	
AntVal A	Dec3	41	23	188	19	270	5	7	18	0	30	5	15	47	73	141	0	0	3	3	5	446	
PlmSpr A	Dec3	0	0	0	0	0	33	46	63	147	289	0	0	0	0	0	23	76	36	15	150	439	
PlmSpr D	Dec3	5	3	0	0	8	65	129	80	192	465	0	0	0	0	0	0	65	79	62	205	679	
PlmSpr E	Dec3	0	0	0	0	0	389	233	278	361	1261	0	0	0	0	0	0	194	222	389	806	2067	
Average	Dec3	11	19	11	3	44	34	61	66	33	194	3	7	6	34	50	1	15	17	14	48	335	
370/3790	Dec4	21	63	0	0	84	32	111	21	0	163	0	16	0	0	16	0	0	0	0	0	263	
375/3770	Dec4	1	4	4	0	8	8	10	20	14	52	0	0	0	12	12	0	0	9	21	30	103	
380/3735	Dec4	0	1	0	0	1	2	14	8	4	27	0	0	0	0	0	0	0	0	2	2	29	
380/3775	Dec4	0	3	5	7	15	3	20	21	24	68	1	0	0	1	2	0	0	1	4	4	89	
385/3745	Dec4	0	0	0	0	0	6	19	21	0	46	0	0	0	0	0	0	0	0	0	0	46	
385/3765	Dec4	0	0	4	1	5	0	2	3	8	13	0	0	0	2	2	0	0	2	10	12	31	
390/3745	Dec4	0	0	0	0	0	2	2	5	0	9	0	0	0	0	0	0	0	0	0	0	9	
390/3750	Dec4	0	11	0	0	11	0	4	5	0	9	0	0	0	0	0	0	1	0	0	1	21	
390/3765	Dec4	0	4	4	1	10	6	55	10	8	79	0	0	0	0	0	0	0	37	4	41	130	
390/3770	Dec4	1	1	1	4	8	1	14	46	8	69	0	1	0	0	1	0	0	0	1	1	80	
400/3750	Dec4	0	5	0	0	5	0	7	20	0	27	0	16	0	0	16	0	2	0	0	2	51	
400/3765	Dec4	1	2	1	0	4	2	17	6	4	29	0	0	0	4	5	0	0	2	0	2	40	
400/3770	Dec4	2	3	5	1	11	9	22	63	3	97	0	0	0	6	7	0	0	3	1	4	120	
405/3745	Dec4	0	0	0	0	0	11	21	18	0	49	0	0	2	0	2	0	0	0	0	0	51	
405/3775	Dec4	0	0	0	0	0	15	66	20	0	101	0	0	0	0	0	0	0	0	0	0	101	
410/3720	Dec4	12	0	0	0	12	0	38	157	0	195	0	0	0	0	0	0	12	0	0	12	219	
410/3735	Dec4	3	5	4	0	13	4	3	33	0	40	3	4	3	16	26	0	0	0	0	0	78	
420/3730	Dec4	0	0	0	0	0	3	22	35	11	72	0	0	5	2	8	0	0	4	3	8	88	
420/3745	Dec4	0	0	21	0	21	5	0	67	0	71	33	24	0	0	57	0	0	0	0	0	150	
430/3765	Dec4	8	6	0	0	13	9	12	11	3	35	0	1	1	14	17	0	0	0	0	0	65	
455/3760	Dec4	0	0	1	0	1	0	4	1	0	5	0	0	0	0	0	0	0	0	0	0	6	
Average	Dec4	2	5	2	1	11	6	22	28	4	60	2	3	1	3	8	0	1	3	2	6	84	
365/3790	Dec5	7	0	0	0	7	15	24	30	0	70	2	20	9	0	30	0	22	0	0	22	128	
370/3735	Dec5	0	0	0	0	0	100	50	0	0	150	0	0	0	0	0	0	0	0	0	0	150	
375/3730	Dec5	0	0	0	0	0	0	6	3	3	12	0	0	0	0	0	0	0	9	6	15	27	
380/3735	Dec5	17	8	0	0	25	42	83	83	83	292	0	0	0	0	0	0	17	8	33	58	375	
380/3775	Dec5	0	0	0	0	0	0	50	14	0	63	0	0	0	0	0	0	0	0	0	0	63	
385/3775	Dec5	0	0	0	0	0	0	14	58	0	72	0	0	0	0	0	0	0	0	0	0	72	

TABLE II. Avg. Number of trees per 10 hectares.

UTM #		Deciduous					Broadleaf-Evergreen					Conifers					Palms					PLM	TOTAL
		UTZ	D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T		
385/3785	De5	25	0	0	0	0	25	33	92	0	0	125	0	0	0	0	0	0	0	0	0	150	
395/3770	De5	0	0	0	0	0	0	0	97	48	28	173	0	0	0	0	0	0	0	0	0	173	
405/3770	De5	2	9	2	0	0	12	14	38	36	0	88	0	0	0	14	14	0	0	3	0	117	
415/3770	De5	0	0	0	0	0	0	22	30	47	0	98	0	12	0	0	12	0	0	0	0	110	
420/3730	De5	0	2	0	0	0	2	16	18	13	4	51	0	0	0	0	0	18	9	2	29	82	
445/3745	De5	17	3	1	0	0	21	16	36	35	16	103	2	0	0	8	10	0	4	17	9	165	
460/3755	De5	0	4	8	1	14	26	35	53	0	114	3	4	11	76	94	0	6	44	53	103	325	
465/3760	De5	2	19	14	0	36	20	67	52	14	154	0	2	1	4	7	0	38	40	68	146	343	
470/3770	De5	100	0	0	0	100	0	50	100	0	150	0	0	0	0	0	50	100	50	0	200	450	
480/3755	De5	31	29	14	8	82	10	31	55	0	96	4	12	4	55	76	0	2	12	10	24	278	
PimSpr A	De5	0	0	0	0	0	0	22	31	51	45	149	0	0	0	0	0	106	55	37	198	347	
Average	De5	12	4	2	1	19	20	44	40	11	115	1	3	1	9	14	3	18	15	13	49	197	
350/3790	De2	16	54	41	0	111	54	19	19	0	92	19	24	0	0	43	0	19	0	0	19	265	
355/3780	De2	7	19	30	26	81	32	100	162	79	373	0	0	0	11	11	0	0	0	0	0	465	
365/3760	De2	0	2	0	0	2	21	142	28	0	191	0	5	20	9	35	0	6	0	0	6	233	
370/3735	De2	6	6	19	6	38	138	194	281	94	706	0	0	0	0	0	0	0	0	0	0	744	
370/3760	De2	2	6	11	13	31	56	87	84	32	259	0	0	0	39	39	0	0	1	2	3	332	
380/3735	De2	60	109	56	0	226	53	23	21	2	100	0	0	0	0	0	0	0	0	0	0	326	
400/3730	De2	0	12	18	9	38	132	265	185	141	724	0	0	0	0	0	0	65	79	12	156	918	
400/3760	De2	0	0	0	0	0	0	0	0	0	0	146	195	189	102	633	0	0	0	0	0	633	
405/3730	De2	0	0	0	0	0	19	74	48	16	158	0	0	0	0	0	0	6	48	16	71	229	
405/3740	De2	0	0	0	0	0	0	93	267	73	433	0	0	0	0	0	0	0	0	0	0	433	
415/3750	De2	0	0	4	2	5	18	29	20	0	66	0	0	0	0	0	0	9	0	0	9	80	
420/3745	De2	0	0	0	10	10	0	57	30	87	87	0	0	67	0	67	0	40	33	10	83	247	
430/3715	De2	0	9	0	0	9	9	14	28	0	52	0	0	5	0	5	0	28	0	0	28	94	
445/3775	De2	0	1	1	54	56	0	11	7	51	70	0	0	0	0	0	0	0	0	0	0	126	
455/3770	De2	5	14	18	5	41	23	23	59	0	105	0	0	0	91	91	0	18	14	14	45	282	
460/3750	De2	20	6	0	0	26	26	24	6	0	56	6	35	9	2	52	0	11	20	0	31	165	
470/3765	De2	0	3	60	95	158	0	28	43	14	85	2	12	43	17	74	0	14	17	3	34	351	
AntVal B	De2	0	0	0	183	183	0	0	122	0	122	0	17	22	0	39	0	0	0	0	0	344	
PimSpr B	De2	4	4	0	0	8	13	63	75	104	254	0	0	0	0	0	0	21	83	83	188	450	
PimSpr C	De2	0	6	15	32	53	79	68	81	104	332	0	0	0	0	0	0	72	86	95	252	637	
PimSpr E	De2	2	2	2	0	6	85	112	78	52	326	0	0	0	0	0	0	79	118	75	272	605	
Average	De2	6	12	13	21	52	36	65	79	38	218	8	14	17	13	52	0	18	24	15	57	379	
350/3790	De3	4	12	0	0	16	36	49	55	0	140	0	19	0	16	36	0	11	0	0	11	203	
360/3760	De3	0	0	0	0	0	28	317	55	0	400	0	28	0	52	79	0	0	0	0	0	479	
360/3770	De3	2	13	8	0	23	31	185	116	0	333	2	0	0	70	72	0	1	26	12	38	466	
365/3770	De3	4	8	4	0	16	122	193	248	207	770	6	2	10	25	43	0	29	87	5	120	950	
365/3775	De3	0	5	9	0	14	16	75	172	0	263	10	26	11	10	57	0	5	0	0	5	339	
365/3795	De3	12	9	15	2	39	25	151	51	13	240	1	4	1	20	26	0	1	5	0	6	311	
370/3735	De3	5	0	13	4	21	127	123	111	29	389	0	0	5	0	5	0	29	48	0	77	493	
370/3775	De3	8	15	0	0	23	58	48	23	0	130	23	32	14	31	100	0	20	3	0	23	276	
375/3735	De3	8	12	8	0	29	149	315	192	123	778	2	4	3	11	20	0	0	8	4	12	839	
380/3780	De3	9	18	0	0	27	35	67	28	0	130	14	23	8	10	55	2	12	6	0	20	231	
380/3790	De3	21	23	4	0	48	72	125	107	0	304	45	57	36	23	161	0	25	0	0	25	539	
385/3780	De3	4	4	0	0	7	21	54	121	0	196	0	50	0	32	82	0	32	0	0	32	318	
405/3760	De3	11	9	2	1	23	43	38	43	28	152	3	10	2	29	44	0	5	4	1	11	230	
415/3765	De3	2	4	3	5	14	29	43	19	13	104	2	2	2	1	7	0	1	5	4	11	136	
435/3765	De3	38	8	2	0	47	15	11	8	25	58	8	6	0	0	13	2	2	0	0	4	123	
450/3770	De3	3	6	0	0	9	18	55	29	0	103	0	20	0	0	20	0	9	0	0	9	142	
450/3775	De3	0	0	0	0	0	11	11	0	0	22	0	0	0	0	0	0	0	0	0	0	22	
455/3775	De3	1	9	14	1	25	4	13	26	20	63	0	2	3	0	5	0	0	2	0	2	96	
460/3760	De3	14	20	13	6	52	8	31	19	0	58	0	0	1	7	9	0	3	7	0	10	129	
465/3750	De3	3	15	3	0	21	24	41	12	9	85	12	3	9	0	24	0	6	59	18	82	212	
470/3745	De3	0	10	0	0	10	4	6	5	0	15	0	0	0	0	0	0	4	2	0	6	31	
470/3770	De3	80	5	14	0	98	120	41	7	0	168	5	0	0	0	5	98	7	9	16	130	400	
475/3750	De3	3	7	5	11	25	16	18	15	0	49	1	3	0	5	9	1	3	2	0	6	89	
475/3755	De3	0	0	0	0	0	0	0	0	4	91	96	0	0	7	12	19	0	0	0	0	115	
490/3760	De3	93	88	60	42	284	49	53	42	40	184	22	14	4	4	44	0	10	18	3	32	544	

TABLE II. Avg. Number of trees per 10 hectares.

UTM #	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL	
	UTZ	D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T		PLM
495/3760	Do3	5	7	12	5	29	10	10	9	15	43	0	0	1	0	1	5	10	1	1	16	88
Average	Do3	13	12	7	3	35	41	80	58	24	203	6	12	5	14	36	4	9	11	2	26	300
350/3780	Do4	27	68	95	76	266	33	90	85	105	313	0	0	0	0	0	0	0	0	0	579	
370/3750	Do4	0	30	1	0	31	3	30	26	19	78	0	0	0	0	0	0	0	5	0	5	113
375/3750	Do4	0	0	0	0	0	0	8	14	0	21	0	0	0	0	0	0	1	0	0	1	22
405/3730	Do4	3	4	4	0	12	20	30	49	38	137	0	0	0	0	0	1	8	18	0	26	176
405/3735	Do4	2	4	6	8	20	25	16	66	58	165	1	1	5	0	8	0	0	1	1	3	195
415/3735	Do4	0	0	8	95	103	4	4	2	83	92	0	0	0	0	0	0	5	50	0	54	250
415/3745	Do4	3	0	0	0	3	5	18	6	12	42	0	0	0	0	0	0	0	2	1	4	48
415/3760	Do4	0	2	10	8	20	1	12	45	20	79	0	0	0	3	3	0	0	0	0	0	101
420/3745	Do4	0	0	0	0	0	0	3	39	33	75	0	0	0	3	3	0	0	0	0	0	78
420/3760	Do4	1	3	2	7	12	2	13	7	13	35	0	0	0	0	0	0	0	0	0	0	47
425/3765	Do4	5	3	10	6	23	24	44	15	34	117	0	0	1	1	2	0	0	0	0	0	141
430/3720	Do4	0	1	0	0	1	2	16	59	0	77	0	0	0	0	0	0	0	0	0	0	78
430/3770	Do4	0	0	0	0	1	4	32	34	16	85	0	0	0	0	0	0	0	0	0	0	86
435/3760	Do4	0	2	0	54	57	0	0	4	24	28	0	0	0	0	0	0	0	0	0	0	85
440/3770	Do4	0	0	3	3	6	0	3	2	3	8	0	0	0	0	0	0	0	0	0	0	14
495/3760	Do4	0	0	0	0	0	16	16	0	0	31	0	0	0	0	0	19	6	0	6	31	63
Average	Do4	3	7	9	16	35	9	21	28	29	87	0	0	0	0	1	1	1	5	1	8	130
335/3790	Do5	19	22	0	0	41	5	44	19	0	67	0	4	0	0	4	0	0	0	0	0	112
360/3790	Do5	0	2	0	0	2	0	12	19	0	31	0	0	0	13	13	0	2	0	0	2	48
400/3730	Do5	2	2	12	0	16	18	61	57	16	153	0	0	0	0	0	0	0	0	0	0	169
405/3730	Do5	0	0	1	0	1	4	9	49	39	101	0	0	0	0	0	0	10	6	0	15	118
405/3740	Do5	0	0	9	0	9	0	0	214	418	632	0	0	0	0	0	0	0	0	0	0	641
410/3760	Do5	0	1	1	3	5	4	52	51	17	123	0	0	0	0	0	0	0	0	0	0	128
425/3770	Do5	0	0	0	8	8	0	0	6	4	10	0	0	0	0	0	0	0	6	2	8	26
435/3715	Do5	3	51	0	0	54	0	20	79	23	121	0	0	0	0	0	0	0	0	0	0	175
445/3770	Do5	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
460/3755	Do5	0	0	0	0	0	0	639	787	0	1426	183	230	35	370	817	0	61	248	178	487	2730
465/3755	Do5	0	34	266	60	360	31	11	66	23	131	0	46	111	29	186	0	0	3	0	3	680
465/3775	Do5	0	0	0	0	0	0	0	6	91	97	0	0	0	0	0	0	0	0	0	0	97
470/3765	Do5	0	0	0	0	0	25	0	13	3	41	0	0	0	0	0	0	22	134	34	191	231
PlmSpr B	Do5	0	0	0	0	1	19	50	48	23	138	0	0	0	0	2	0	43	75	77	195	336
Average	Do5	2	8	21	5	36	8	64	101	47	219	13	20	10	29	73	0	10	34	21	64	393
345/3790	Do6	10	10	0	0	19	3	23	0	0	26	0	0	0	0	0	0	0	0	0	0	45
355/3785	Do6	22	16	3	7	49	20	38	23	17	99	0	0	0	0	0	0	2	29	29	60	208
370/3750	Do6	2	2	4	0	8	4	47	31	51	133	0	0	0	0	0	0	0	0	0	0	141
375/3790	Do6	13	5	10	8	36	18	26	15	28	87	8	3	0	3	13	0	0	0	0	0	136
380/3750	Do6	2	0	0	0	2	25	21	19	0	65	0	0	0	0	0	0	0	0	0	0	67
390/3780	Do6	17	7	2	1	27	35	32	12	1	79	0	0	0	0	0	0	11	2	0	13	119
395/3735	Do6	7	0	0	0	7	64	21	64	64	214	0	0	0	0	0	0	0	14	0	14	236
395/3760	Do6	2	2	0	0	4	2	27	31	27	88	0	0	0	0	0	0	0	0	0	0	92
400/3740	Do6	0	0	0	0	0	325	88	25	0	438	0	0	0	0	0	0	0	0	0	0	438
400/3775	Do6	0	0	0	0	0	4	28	3	5	40	0	0	0	0	0	0	0	23	0	23	64
405/3730	Do6	0	2	2	0	4	1	44	22	0	67	0	0	0	0	0	0	0	0	0	0	72
405/3775	Do6	16	22	0	0	38	122	163	38	0	322	0	0	0	0	0	0	0	0	0	0	359
410/3745	Do6	12	5	0	0	17	61	24	15	7	107	0	0	0	0	0	0	0	0	0	0	124
410/3765	Do6	15	0	1	4	20	30	18	42	0	89	3	0	0	0	3	0	8	4	0	12	124
420/3730	Do6	0	10	18	1	30	18	24	21	33	96	0	0	0	0	0	0	0	37	0	37	163
420/3765	Do6	4	6	4	0	14	35	12	12	5	64	2	7	0	0	9	0	3	14	2	19	106
420/3770	Do6	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	0	0	0	0	13
420/3775	Do6	19	11	0	0	31	19	22	0	0	42	0	11	0	0	11	0	0	0	0	0	83
425/3730	Do6	0	3	10	0	13	10	62	36	23	132	0	0	0	0	0	0	0	0	0	0	145
425/3750	Do6	0	4	10	0	15	13	29	21	21	83	0	0	0	0	0	0	0	0	0	0	98
435/3715	Do6	0	9	0	0	9	14	34	19	0	68	0	0	0	0	0	0	0	0	0	0	77
445/3750	Do6	1	0	0	0	1	41	20	0	6	67	1	0	0	2	4	31	8	24	6	69	140
455/3750	Do6	3	0	8	0	11	6	2	128	57	193	0	0	0	0	0	1	1	0	0	2	207
465/3760	Do6	6	10	3	11	30	40	24	27	65	156	0	2	5	57	63	0	6	13	71	90	340

TABLE II. Avg. Number of trees per 10 hectares.

UTM #		Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		UTZ	D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	
465/3770	Do6	39	13	24	5	82	21	24	32	26	103	0	0	0	0	0	0	0	53	0	53	237
475/3765	Do6	43	47	23	0	112	43	51	47	23	164	47	66	66	0	178	0	0	27	5	32	486
475/3775	Do6	4	29	0	2	35	0	0	9	0	9	0	0	5	0	5	0	2	31	4	36	85
480/3755	Do6	48	16	97	32	194	23	6	0	10	39	19	0	3	0	23	0	29	52	0	81	335
AntVal A	Do6	50	150	150	0	350	17	0	0	0	17	17	117	100	283	517	0	0	0	0	0	883
AntVal B	Do6	75	47	69	0	191	1	0	0	0	1	116	44	1	0	161	0	0	0	0	0	353
PlmSpr C	Do6	0	5	24	0	29	52	110	119	48	329	0	0	0	0	0	0	10	71	143	224	581
PlmSpr D	Do6	8	51	26	3	87	51	141	122	83	397	0	0	0	0	0	0	0	19	32	51	536
PlmSpr E	Do6	19	0	0	0	19	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	27
Average	Do6	13	15	15	2	45	34	36	28	18	116	6	8	5	10	30	1	2	13	9	25	216
365/3765	Fwy	0	2	0	0	2	114	105	68	43	330	0	15	6	0	21	0	0	0	0	0	353
365/3790	Fwy	11	5	0	0	16	57	630	0	0	687	0	0	0	0	0	0	17	0	0	17	721
370/3790	Fwy	0	0	0	0	0	0	157	87	0	243	0	0	0	0	0	0	0	0	0	0	243
375/3735	Fwy	0	0	0	0	0	33	78	183	0	294	0	0	0	0	0	0	0	0	0	0	294
385/3735	Fwy	7	5	36	29	76	107	129	133	48	417	0	0	0	0	0	0	0	31	31	62	555
390/3765	Fwy	0	0	0	0	0	10	21	24	11	66	0	0	0	0	0	0	0	0	0	0	66
405/3735	Fwy	16	13	6	13	48	245	52	48	71	416	16	26	6	10	58	0	0	6	0	6	529
405/3745	Fwy	0	0	0	0	0	26	170	74	0	270	0	7	0	0	7	0	2	0	0	2	279
405/3765	Fwy	35	10	8	4	57	53	88	141	286	567	0	0	0	0	0	0	0	6	2	8	633
420/3735	Fwy	0	0	0	0	0	22	23	38	0	83	0	0	0	0	0	0	0	0	0	0	83
435/3710	Fwy	0	0	0	0	0	14	49	112	0	175	0	0	0	0	0	0	0	0	0	0	175
435/3715	Fwy	0	0	0	0	0	3	49	91	0	143	0	0	0	0	0	0	0	0	0	0	143
Average	Fwy	6	3	4	4	17	57	129	83	38	308	1	4	1	1	7	0	2	4	3	8	339
375/3730	Nat	0	0	17	0	17	17	267	717	300	1300	0	0	0	0	0	0	0	117	17	133	1450
345/3790	Opn	45	15	0	0	60	15	75	0	0	90	10	45	0	0	55	0	0	0	0	0	205
355/3790	Opn	0	14	0	0	14	19	47	104	0	170	0	16	73	0	89	0	0	0	0	0	273
390/3765	Opn	0	0	0	0	0	33	39	30	42	145	0	0	0	0	0	0	3	4	0	7	153
395/3735	Opn	0	0	0	0	0	17	78	133	83	311	0	0	0	0	0	0	0	0	0	0	311
405/3750	Opn	5	8	0	0	13	32	28	11	0	72	0	3	0	0	3	0	21	0	0	21	109
425/3745	Opn	0	0	0	0	0	0	10	0	0	10	0	0	0	0	0	0	0	0	0	0	10
425/3750	Opn	7	2	0	0	9	16	91	118	73	298	0	0	0	0	0	0	0	4	0	4	311
425/3775	Opn	0	1	0	0	1	27	34	52	63	176	3	7	3	0	13	0	0	17	0	17	208
455/3755	Opn	5	0	11	0	16	208	189	65	5	468	0	0	3	0	3	0	0	0	0	0	486
465/3760	Opn	24	35	24	24	106	118	165	71	71	424	18	0	0	0	18	0	94	118	0	212	759
470/3755	Opn	0	0	0	0	0	0	0	0	0	0	0	27	33	0	60	0	0	0	0	0	60
475/3765	Opn	0	14	10	0	24	48	5	19	0	71	24	10	0	0	33	0	0	0	0	0	129
PlmSpr C	Opn	13	16	11	11	51	36	67	36	80	218	0	0	0	0	0	0	49	111	69	229	498
Average	Opn	8	8	4	3	23	44	64	49	32	189	4	8	9	0	21	0	13	20	5	38	270
345/3785	Wdd	9	0	0	0	9	141	406	109	63	719	0	0	0	0	0	0	0	0	0	0	728
435/3775	Wdd	0	0	0	0	0	5	1884	0	0	1889	0	0	0	0	0	0	0	0	0	0	1889
Average	Wdd	5	0	0	0	5	73	1145	55	31	1304	0	0	0	0	0	0	0	0	0	0	1309

TABLE II. Avg. Number of trees per 10 hectares.

UTM #	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL	
	UTZ	D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T		PLM
SUMMARY																						
A1	2	9	9	2	22	16	37	47	25	125	0	2	4	9	14	0	8	37	39	84	245	
Dc2	10	6	2	1	19	31	82	48	33	193	2	5	3	3	14	4	25	19	18	66	293	
Dc3	11	19	11	3	44	34	61	66	33	194	3	7	6	34	50	1	15	17	14	48	335	
Dc4	2	5	2	1	11	6	22	28	4	60	2	3	1	3	8	0	1	3	2	6	84	
Dc5	12	4	2	1	19	20	44	40	11	115	1	3	1	9	14	3	18	15	13	49	197	
Do2	6	12	13	21	52	36	65	79	38	218	8	14	17	13	52	0	18	24	15	57	379	
Do3	13	12	7	3	35	41	80	58	24	203	6	12	5	14	36	4	9	11	2	26	300	
Do4	3	7	9	16	35	9	21	28	29	87	0	0	0	0	1	1	1	5	1	8	130	
Do5	2	8	21	5	36	8	64	101	47	219	13	20	10	29	73	0	10	34	21	64	393	
Do6	13	15	15	2	45	34	36	28	18	116	6	8	5	10	30	1	2	13	9	25	216	
Fwy	6	3	4	4	17	57	129	83	38	308	1	4	1	1	7	0	2	4	3	8	339	
Opn	8	8	4	3	23	44	64	49	32	189	4	8	9	0	21	0	13	20	5	38	270	
All Average	7	9	8	5	30	28	59	55	28	169	4	7	5	10	27	1	10	17	12	40	265	

TABLE III. Avg. area (square meters) of vegetation per 10 hectares

UTM #		Deciduous					Broadleaf Evergreen					Conifers					Palms										GRS	TOTAL
		UTZD10A	DSA	DSA	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C3A	C1A	CON	P10A	P5A	P3A	P1A	PLM	SRB	G_CV					
365/3780	A1	535	803	241	5	1584	1963	1784	450	23	4219	0	45	112	21	178	0	0	64	27	91	582	145	873	7673			
380/3765	A1	27	31	20	1	79	391	356	154	7	888	0	0	0	1	1	0	15	77	1	93	18	292	1274	2646			
385/3755	A1	241	65	14	0	321	582	516	365	16	1279	0	0	0	0	0	241	278	5	524	58	0	3604	3786				
390/3755	A1	0	0	0	0	0	1658	580	637	66	2942	0	0	0	0	0	276	796	122	1194	0	70	3659	7866				
395/3775	A1	0	80	57	0	137	1980	292	146	1	2420	71	62	10	18	160	0	318	45	0	363	209	595	712	4596			
465/3760	A1	75	75	61	2	212	748	1065	249	5	2067	75	131	27	1	233	0	75	303	29	407	386	126	286	5717			
AVERAGE	A1	146	176	66	1	389	1220	729	334	20	2503	24	40	23	7	95	0	154	260	31	445	209	203	1734	5381			
350/3785	De2	467	70	50	4	592	467	234	25	4	750	374	0	0	3	377	0	47	126	0	173	38	229	152	2290			
360/3765	De2	0	55	0	0	55	4506	1434	157	0	6117	0	218	0	0	218	0	999	0	0	999	222	167	8899	16667			
370/3745	De2	129	43	0	0	173	690	776	237	0	1703	0	0	0	0	0	86	0	0	86	354	2889	3413	8619				
370/3780	De2	1273	159	0	0	1432	2334	796	401	110	3641	0	0	0	0	0	212	0	0	212	134	865	3416	9720				
375/3765	De2	0	70	13	0	83	140	359	139	6	644	0	0	0	0	0	9	25	11	45	0	279	1473	2525				
375/3780	De2	1895	135	73	3	2106	5143	677	195	27	6042	0	0	0	0	0	68	73	3	143	662	441	9076	18471				
380/3765	De2	0	144	0	0	144	744	338	0	0	1083	0	135	0	0	135	0	482	0	0	482	69	0	2069	3982			
385/3755	De2	0	66	32	4	101	1058	706	564	71	2398	0	0	0	0	0	176	183	25	384	175	508	1735	5319				
385/3785	De2	3434	0	0	0	3434	2433	859	0	0	3312	0	245	88	0	334	0	245	0	0	245	38	0	2288	9650			
390/3755	De2	26	58	16	0	101	494	754	302	6	1555	0	0	0	13	13	0	481	332	27	840	0	189	3647	6346			
400/3740	De2	0	0	0	0	0	0	11448	942	92	12482	0	0	0	0	0	0	0	0	0	0	433	217	800	13932			
465/3755	De2	719	253	16	4	994	5333	2022	523	23	7902	1838	749	216	17	2840	0	223	270	2	496	608	1495	5314	19648			
470/3770	De2	1963	491	0	0	2453	7850	491	883	0	9224	0	0	0	0	0	3925	3434	707	118	8184	1100	0	0	20961			
AVERAGE	De2	762	119	15	1	897	2401	1609	336	26	4372	172	104	23	3	301	302	497	132	14	945	296	560	3233	10625			
340/3790	De3	2687	588	0	0	3274	1007	588	589	0	2185	504	126	121	27	777	0	126	0	0	126	652	193	33048	40255			
345/3780	De3	638	380	92	4	1134	2178	1798	555	27	4558	0	0	0	31	31	0	92	81	11	185	402	536	4224	11070			
355/3765	De3	0	45	12	0	57	1219	617	107	0	1943	0	104	0	3	107	0	39	0	0	39	144	155	14333	16799			
360/3775	De3	203	557	319	0	1079	1215	886	260	12	2374	456	63	46	30	595	0	13	55	3	70	219	655	1468	6459			
360/3780	De3	4331	2369	268	6	6974	2978	1759	609	95	5441	0	0	0	51	51	0	149	73	12	234	2407	486	15051	30644			
360/3790	De3	3286	685	0	0	3971	0	0	0	0	0	243	532	104	33	913	122	183	16	0	321	602	357	9473	15636			
370/3750	De3	151	981	136	2	1270	755	1057	937	30	2779	0	0	0	30	30	0	38	109	0	146	0	0	8112	12357			
370/3765	De3	106	0	0	0	0	106	1021	452	115	7	1596	0	0	0	6	0	74	115	17	206	53	0	6215	1182			
370/3770	De3	665	665	120	20	1470	3326	6486	437	106	10356	0	0	60	44	104	0	0	772	2	774	763	0	8898	22365			
375/3750	De3	456	228	91	5	780	3393	1557	834	33	5818	0	63	27	14	104	51	228	643	11	932	1204	2570	6655	18063			
375/3745	De3	371	108	0	0	479	2349	850	150	0	3349	0	0	50	0	50	0	0	0	0	0	0	0	866	2173	48728	55645	
380/3755	De3	2048	203	23	2	2276	2176	1088	349	41	3654	0	0	0	0	0	0	32	54	6	92	568	2571	11055	20216			
380/3745	De3	0	45	0	0	45	0	496	723	0	1219	0	0	0	0	0	0	158	0	0	158	368	3621	193	5606			
380/3770	De3	238	190	17	3	449	1332	1059	287	10	2688	0	0	0	12	12	0	262	287	4	552	39	212	5303	9256			
385/3750	De3	632	218	0	0	850	1233	729	290	0	2232	0	45	0	0	45	0	120	0	0	120	55	3090	8684	15096			
385/3770	De3	651	249	72	5	977	613	594	183	5	1394	0	0	0	12	12	0	96	83	1	180	41	66	1141	3812			
390/3775	De3	264	82	0	0	346	4222	1286	239	0	5748	0	198	0	0	198	1583	2639	0	0	4222	83	171	10359	21109			
395/3755	De3	848	596	156	9	1409	9619	5565	1914	46	17144	0	203	80	20	303	627	1023	680	41	2370	1643	82	32467	53417			
395/3745	De3	0	331	0	0	331	469	512	127	0	1108	0	0	0	8	8	0	32	0	0	32	891	348	14190	16908			
395/3750	De3	431	72	0	0	503	1580	335	177	0	2091	0	60	0	0	60	0	48	0	0	48	174	1551	28727	33154			
395/3780	De3	2379	416	0	0	2795	4520	1546	1028	0	7094	952	773	171	48	1943	0	892	0	0	892	573	939	25788	40024			
400/3730	De3	56	28	10	1	94	1865	1427	410	14	3716	0	42	20	3	65	28	77	122	18	244	713	128	10034	14995			
400/3755	De3	412	336	158	6	912	1149	1648	607	8	3412	43	54	6	3	106	22	157	66	1	246	133	39	5237	10086			
400/3740	De3	732	233	12	1	978	5389	1547	0	0	6935	0	0	18	6	24	67	316	156	6	544	158	119	4449	13208			
400/3775	De3	3019	755	0	0	3774	10869	0	0	0	10869	0	0	0	0	0	0	0	0	0	0	0	0	0	1615	16239		
405/3730	De3	0	26	33	0	59	780	1079	318	23	2200	0	0	150	33	183	0	0	0	0	2	2	0	0	9305	11748		
405/3740	De3	47	141	68	0	256	423	1022	829	31	2306	0	0	165	22	187	0	0	55	0	55	22	4411	14612	21847			
410/3730	De3	38	139	34	2	262	1396	1170	764	76	3407	0	0	0	0	0	0	9	24	4	37	577	2043	12534	18860			
410/3750	De3	0	343	0	0	343	0	2212	650	0	2862	0	93	202	41	336	0	156	0	0	156	12143	10210	3483	29532			
410/3770	De3	1308	491	44	0	1843	2208	1963	545	0	4715	0	286	0	5	291	0	243	0	0	243	125	57	6432	13709			
410/3775	De3	517	388	38	0	944	1400	730	173	0	2502	365	129	11	0	505	61	99	11	0	171	217	558	7457	12155			
415/3715	De3	0	59	0	0	59	664	0	0	0	664	0	0	0	0	0	0	283	42	0	325	376	1868	2820	6112			
415/3775	De3	1524	438	0	0	19																						

TABLE III. Avg. area (square meters) of vegetation per 10 hectares

UTM #		Deciduous					Broadleaf Evergreen					Conifers					Palms					SRB	G_CV	GRS	TOTAL	
		UTZ	D10A	DSA	D5A	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C3A	C1A	CON	P10A	P5A	P3A	P1A					PLM
445/3770	De3	277	46	0	0	323	554	323	83	0	960	0	0	0	5	5	0	115	0	0	115	226	753	9336	11719	
450/3745	De3	1898	180	9	1	2088	4669	539	171	11	5390	154	26	52	110	322	359	128	79	7	573	52	24	15059	23507	
450/3755	De3	1189	99	71	4	1364	1982	297	428	0	2708	396	297	71	87	852	0	20	36	4	59	561	939	11414	17898	
460/3755	De3	473	709	383	9	1375	13241	2837	1021	0	17100	3783	1182	0	104	5069	0	236	170	0	407	892	1265	8554	34861	
460/3770	De3	0	0	0	0	0	0	0	0	16	16	0	0	0	16	16	0	0	0	0	0	0	0	1932	14611	16576
465/3745	De3	0	0	0	0	0	0	0	212	0	212	0	0	14	149	165	0	0	0	0	0	1720	2760	8440	13295	
465/3760	De3	1723	1101	258	13	3096	8616	3781	1155	101	13653	191	191	69	6	458	0	2250	758	199	3207	1629	7466	15056	44565	
470/3745	De3	0	119	21	4	144	476	278	164	10	928	0	139	0	0	139	0	0	50	1	51	131	32	7418	8843	
470/3750	De3	127	127	50	0	305	382	647	99	6	1134	42	21	23	10	96	0	0	65	0	65	97	119	21750	23546	
470/3755	De3	744	207	156	4	1111	661	217	245	2	1125	124	52	67	65	307	41	31	7	0	80	804	4190	27087	34705	
470/3775	De3	1057	1359	54	2	2471	4831	1396	421	21	6669	1208	264	0	0	1472	0	75	34	0	130	4048	13779	28615	57185	
470/3780	De3	2279	470	68	3	2820	1158	968	173	3	2301	0	0	0	21	21	0	109	212	6	326	59	0	3180	8687	
475/3755	De3	3413	427	92	5	3937	1195	85	491	0	1771	512	256	123	58	949	683	43	92	5	823	809	326	22043	30658	
475/3775	De3	944	273	148	10	1375	3529	1640	1377	12	6558	298	0	0	55	353	0	112	259	3	375	73	66	1709	10309	
480/3755	De3	3451	647	0	0	4098	1294	0	155	22	1471	863	216	0	9	1087	86	43	39	0	168	264	66	5204	12358	
480/3765	De3	3393	823	91	3	4310	6229	1178	205	18	7630	253	38	46	43	380	608	975	141	11	1735	348	581	11764	26747	
Ant Val B	De3	620	1549	428	0	2597	2892	1188	1153	0	5233	3099	1859	632	351	5941	0	0	0	0	0	274	632	10021	24697	
Ant Val A	De3	3182	451	1327	15	4975	424	133	124	0	681	424	292	334	57	1107	0	0	19	2	21	0	173	9355	16293	
Plm Spr A	De3	0	0	0	0	0	2590	897	448	116	4051	0	0	0	0	0	0	1793	1494	251	12	3550	5216	0	8475	21290
Plm Spr D	De3	391	59	0	0	449	5077	2539	562	150	8328	0	0	0	0	0	0	1269	555	49	1875	4030	0	8279	22959	
Plm Spr E	De3	0	0	0	0	0	30528	4579	1965	285	37553	0	0	0	0	0	0	3816	1570	305	5691	0	0	27556	70600	
AVERAGE	De3	856	378	81	2	1317	2649	1193	470	26	4538	207	155	43	27	412	94	297	122	11	524	855	1917	11612	20954	
370/3790	De4	1633	1239	0	0	2892	2479	2169	149	0	4797	0	310	0	0	310	0	0	0	0	0	895	0	4421	13315	
375/3770	De4	43	75	27	0	146	604	205	140	11	960	0	0	0	9	9	0	0	66	16	82	30	0	151	1378	
380/3755	De4	0	15	0	0	15	118	266	58	3	445	0	0	0	0	0	0	0	0	1	1	129	65	259	914	
380/3775	De4	0	53	38	6	96	210	385	151	19	766	70	0	0	1	71	0	0	6	3	9	0	1491	134	2567	
385/3745	De4	0	0	0	0	0	459	378	149	0	966	0	0	0	0	0	0	0	0	0	0	829	2845	0	4640	
385/3765	De4	0	0	28	1	28	0	38	21	6	65	0	0	0	1	1	0	6	16	8	30	41	146	55	566	
390/3745	De4	0	0	0	0	0	150	38	56	0	224	0	0	0	0	0	0	0	0	0	0	0	0	420	0	644
390/3750	De4	0	223	0	0	223	0	84	35	0	119	0	0	0	0	0	0	14	0	0	14	0	0	136	454	945
390/3765	De4	0	83	30	1	114	442	1078	70	7	1597	0	0	0	0	0	0	0	259	3	262	239	12056	0	14268	
390/3770	De4	106	27	10	3	145	106	265	325	6	702	0	27	0	0	27	0	0	0	1	1	1	205	81	1160	
400/3750	De4	0	89	0	0	89	0	143	140	0	285	0	323	0	0	323	0	45	0	0	45	384	925	932	2984	
400/3765	De4	60	40	7	0	108	141	326	45	3	515	0	0	2	3	5	0	0	14	0	14	0	0	327	970	
400/3770	De4	169	68	53	1	271	744	423	448	2	1617	0	0	3	5	8	0	8	18	1	28	125	22	183	2234	
405/3745	De4	0	0	0	0	0	826	413	124	0	1365	0	0	12	0	12	0	0	0	0	0	0	281	525	861	2842
405/3775	De4	0	0	0	0	0	1201	1293	141	0	2635	0	0	0	0	0	0	0	0	0	0	75	252	1835	4797	
410/3720	De4	935	0	0	0	935	0	748	1110	0	1858	0	0	0	0	0	0	0	234	0	0	234	1652	531	686	5895
410/3735	De4	234	103	29	0	568	327	58	231	0	617	234	70	21	13	337	0	0	0	0	0	152	557	1089	3121	
420/3730	De4	0	0	0	0	0	271	435	247	9	962	0	0	38	2	40	0	10	31	2	43	0	104	2295	3445	
420/3745	De4	0	0	151	0	151	374	0	471	0	845	2617	467	0	0	3084	0	0	0	0	0	0	0	171	4252	
430/3765	De4	599	108	0	0	707	732	241	75	2	1050	0	25	6	11	42	0	0	0	0	0	0	2966	0	4765	
435/3760	De4	0	0	7	0	7	0	73	7	0	79	0	0	0	0	0	0	0	0	0	0	0	23	0	109	
AVERAGE	De4	181	101	17	1	300	436	431	199	3	1070	139	58	4	2	203	0	15	20	2	36	230	1098	664	3602	
365/3790	De5	512	0	0	0	512	1195	469	215	0	1879	171	384	61	0	616	0	427	0	0	427	174	1783	600	5990	
370/3755	De5	0	0	0	0	0	7850	981	0	0	8851	0	0	0	0	0	0	0	0	0	0	300	0	300	9631	
375/3750	De5	0	0	0	0	0	0	119	21	2	143	0	0	0	0	0	0	0	64	5	69	385	591	170	1357	
380/3755	De5	1508	164	0	0	1472	3271	1635	589	65	5560	0	0	0	0	0	0	327	59	26	412	833	0	5017	15294	
380/3775	De5	0	0	0	0	0	0	972	97	0	1069	0	0	0	0	0	0	0	0	0	0	55	0	202	1326	
385/3775	De5	0	0	0	0	0	0	272	413	0	685	0	0	0	0	0	0	0	0	0	0	92	197	0	974	
385/3785	De5	1963	0	0	0	1963	2617	1799	0	0	4416	0	0	0	0	0	0	0	0	0	0	175	2233	200	8986	
395/3770	De5	0	0	0	0	0	0	1904	337	22	2264	0	0	0	0	0	0	0	0	0	0	149	0	0	2413	
405/3770	De5	135	169	12	0	317	1083	744	256	0	2083	0	0	11	11	0	0	24	0	24	138	353	302	3228		
415/3770	De5	0	0	0	0	0	1730	582	329	0	2641	0	233	0	0	233	0	0	0	0	0	127	475	2390	5865	
420/3730	De5	0	44	0	0	44	1421	349	94	3	1668	0	0	0</												

TABLE III. Avg. area (square meters) of vegetation per 10 hectares

UTM #		Deciduous					Broadleaf Evergreen					Conifers					Palms										GRS	TOTAL
		UTZ	D10A	D5A	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C3A	C1A	CON	P10A	P5A	P3A	P1A	PLM	SRB	G_CV					
380/3735	Do2	4747	2143	394	0	7286	4199	456	148	2	4805	0	0	0	0	0	0	0	0	0	0	0	49000	61091				
400/3730	Do2	0	231	123	7	362	10390	5193	1309	111	17004	0	0	0	0	0	1270	561	9	1840	0	0	16094	35301				
400/3760	Do2	0	0	0	0	0	0	0	0	0	0	11488	3829	***	80	16733	0	0	0	0	0	0	878	17611				
405/3730	Do2	0	0	0	0	0	1519	1456	342	13	3330	0	0	0	0	0	127	342	13	481	0	0	9032	12843				
405/3740	Do2	0	0	0	0	0	0	1832	1884	58	3773	0	0	0	0	0	0	0	0	0	0	720	133	9000	13627			
415/3750	Do2	0	25	1	27	1402	561	159	0	2101	0	0	0	0	0	0	175	0	0	175	1152	5629	386	9469				
420/3745	Do2	0	0	8	8	8	0	0	400	24	424	0	0	471	0	471	785	236	8	1028	0	3960	4780	10671				
430/3715	Do2	0	184	0	0	184	756	276	199	0	1211	0	0	33	0	33	0	552	0	0	552	258	1125	10781	14144			
445/3775	Do2	0	19	7	43	68	0	224	47	40	312	0	0	0	0	0	0	0	0	0	0	1929	3000	4595	9904			
455/3770	Do2	357	268	128	4	756	1784	446	417	0	2648	0	0	0	71	71	0	357	96	11	464	291	291	9891	14412			
460/3750	Do2	1599	109	0	0	1708	2035	472	39	0	2547	436	691	65	1	1193	0	218	144	0	362	0	139	19444	25394			
470/3765	Do2	0	60	424	75	559	0	543	304	11	859	121	242	304	13	680	0	272	120	2	394	280	25	20092	22888			
AntVal B	Do2	0	0	0	144	144	0	0	864	0	864	0	327	137	0	484	0	0	0	0	0	0	0	5511	7003			
FimSpr B	Do2	327	82	0	0	409	981	1227	530	82	2819	0	0	0	0	0	409	589	65	1063	267	0	29025	33583				
FimSpr C	Do2	0	124	108	25	257	6223	1326	575	81	8204	0	0	0	0	0	1414	605	74	2093	0	0	23081	33653				
FimSpr E	Do2	180	34	16	0	251	6677	2199	948	41	9465	0	0	0	0	0	1345	836	59	2440	1341	0	19716	33193				
AVERAGE	Do2	422	194	82	17	715	2764	1324	583	31	4702	602	260	125	11	998	0	362	177	12	551	945	941	13673	22526			
350/3790	Do3	323	242	0	0	565	2796	968	587	0	4151	0	376	0	13	389	0	215	0	0	215	151	110	329	5909			
360/3760	Do3	0	0	0	0	0	2166	6226	390	0	8781	0	541	0	41	582	0	0	0	0	0	1414	1241	14483	26501			
360/3770	Do3	183	251	58	0	491	2463	3628	822	0	6914	183	0	0	55	237	0	23	181	9	213	291	349	5233	13728			
365/3770	Do3	309	164	28	0	502	9551	3790	1754	163	15258	503	39	70	19	630	0	361	613	4	1177	1463	1724	4975	23750			
365/3775	Do3	0	96	63	0	159	1276	1468	1218	0	3962	766	511	80	8	1364	0	96	0	0	96	3130	1577	1146	11455			
365/3795	Do3	964	184	107	1	1256	1974	2961	359	10	5304	92	69	8	16	185	0	11	37	0	49	102	228	155	7280			
370/3755	Do3	421	0	88	3	512	9953	2418	782	22	15175	0	0	38	0	38	0	361	341	0	901	1757	1593	1232	19208			
370/3775	Do3	654	297	0	0	952	4520	952	166	0	5637	1844	624	96	24	2589	0	387	21	0	408	2583	1773	1409	15550			
375/3735	Do3	627	240	60	0	926	11683	6182	1353	97	19315	184	83	20	8	296	0	0	53	3	56	323	9034	7818	37668			
380/3780	Do3	683	358	0	0	1041	2730	1314	197	0	4241	1092	444	55	8	1599	137	239	43	0	418	495	188	19304	27285			
380/3790	Do3	1675	445	28	0	2148	5652	2460	754	0	8865	3559	1125	254	18	4956	0	497	0	0	497	455	2847	15117	32893			
385/3780	Do3	280	70	0	0	350	1682	1051	858	0	3591	0	981	0	25	1006	0	651	0	0	651	729	10929	1493	18729			
405/3760	Do3	876	175	16	1	1063	3399	736	306	22	4465	210	202	16	23	450	33	96	32	1	164	580	26203	5089	38020			
415/3765	Do3	191	72	23	4	290	2266	854	135	10	5264	160	48	11	1	220	0	24	34	4	62	604	8740	1941	15121			
435/3765	Do3	2962	148	13	0	3124	1185	222	33	19	1480	592	111	0	0	704	148	37	0	0	185	208	991	4075	10766			
450/3770	Do3	242	121	0	0	362	1449	1087	207	0	2745	0	393	0	0	393	0	181	0	0	181	185	0	13538	17402			
450/3775	Do3	0	0	0	0	0	872	218	0	0	1090	0	0	0	0	0	0	0	0	0	0	620	407	4257	6575			
455/3775	Do3	93	175	97	1	366	327	257	181	16	781	0	47	21	0	68	0	0	17	0	17	608	32173	5446	59458			
460/3760	Do3	1070	389	93	5	1358	616	608	134	0	1359	0	0	9	6	15	0	57	53	0	109	517	1736	13430	18722			
465/3750	Do3	231	289	21	0	540	1847	808	83	7	2745	924	58	62	0	1044	0	115	416	14	545	441	1471	27941	34727			
470/3745	Do3	0	191	0	0	191	278	122	38	0	437	0	0	0	0	0	0	87	13	0	99	52	0	37	816			
470/3770	Do3	6244	89	96	0	6430	9456	805	48	0	10307	357	0	0	0	357	7672	134	64	12	7882	564	1636	114545	141721			
475/3750	Do3	208	143	33	8	392	1248	351	108	0	1706	52	52	0	4	108	52	65	14	0	131	84	0	5099	7521			
475/3755	Do3	0	0	0	0	0	0	0	32	71	103	0	0	55	9	62	0	0	0	0	0	0	457	7809	3431			
490/3760	Do3	7509	1726	426	33	9494	3857	1049	298	31	5236	1692	271	50	3	1996	0	203	128	3	334	3421	35779	4159	60418			
495/3760	Do3	355	133	88	4	580	754	188	64	12	1018	0	0	4	0	4	355	188	4	1	548	1823	8052	13803	25828			
AVERAGE	Do3	996	231	51	2	1281	3231	1566	413	18	5228	470	230	32	11	742	323	170	79	2	574	868	5740	11226	25659			
350/3780	Do4	2106	1340	672	59	4178	2566	1771	603	82	5022	0	0	0	0	0	0	0	0	0	0	219	0	14143	23562			
370/3750	Do4	0	584	6	0	590	260	584	181	15	1039	0	0	0	0	0	0	35	0	35	767	394	6546	9172				
375/3750	Do4	0	0	0	0	0	0	151	97	0	248	0	0	0	0	0	0	17	0	17	150	612	884	1910				
405/3730	Do4	259	86	31	0	376	1553	582	349	30	2515	0	0	0	0	0	86	151	124	0	361	165	6264	2590	12071			
405/3735	Do4	149	82	43	6	281	1940	313	467	46	2767	90	22	35	0	147	0	7	8	1	16	241	487	762	4700			
415/3735	Do4	0	0	54	75	129	299	75	13	63	452	0	0	0	0	0	0	93	350	0	443	94	1523	2654	5296			
415/3745	Do4	221	0	0	0	221	405	359	43	10	817	0	0	0	0	0	0	9	17	1	27	30	962	1232	3289			
415/3760	Do4	0	32	69	7	107	85	243	318	16	662	0	0	0	2	2	0	5	0	0	5	50	431	3902	5139			
420/3745	Do4	0	0	0	0	0	0	55	275	26	355	0	0	0	2	2	0	0	0	0	0	675	1972	1233	4238			
420/3760	Do4	77	58	12	5	151	180	257	48	10	495	0	0	0	0	0	0	0	0	0	0	163	359	3252	4421			
425																												

TABLE III. Avg. area (square meters) of vegetation per 10 hectares

UTM #		Deciduous				Broadleaf Evergreens				Conifers				Palms								G_CV	GRS	TOTAL		
		UTZ	D10A	D5A	D3A	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C5A	C1A	CON	P10A	P5A	P3A	P1A				PLM	SRB
425/3770	Do5	0	0	0	0	6	6	0	0	42	3	46	0	0	0	0	0	0	42	2	44	0	640	128	864	
435/3715	Do5	221	993	0	0	1216	0	387	557	18	962	0	0	0	0	0	0	0	0	0	0	2768	1141	0	6087	
445/3770	Do5	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	0	188	
460/3755	Do5	0	0	0	0	0	0	12543	5560	0	18103	14335	4522	246	290	19393	0	1195	1751	140	3083	4165	7652	36483	88881	
465/3755	Do5	0	673	1877	47	2397	2467	224	464	18	3174	0	897	787	22	1707	0	0	20	0	20	2571	3886	8857	22812	
465/3775	Do5	0	0	0	0	0	0	0	42	72	113	0	0	0	0	0	0	0	0	0	0	0	7765	2596	10473	
470/3765	Do5	0	0	0	0	0	1963	0	88	2	2053	0	0	0	0	0	0	429	949	27	1406	263	3688	4688	12096	
PlmSpr B	Do5	36	9	0	0	44	1456	977	336	18	2787	36	9	3	0	48	36	344	527	60	1467	550	0	10223	15119	
AVERAGE	Do5	133	138	146	4	443	595	1259	712	37	2603	1026	393	74	23	1517	3	193	238	16	445	998	1886	5240	13136	
345/3790	Do6	760	190	0	0	950	253	443	0	0	696	0	0	0	0	0	0	0	0	0	0	0	0	70613	72259	
355/3785	Do6	1734	519	25	5	2084	1552	753	164	14	2483	0	0	0	0	0	0	46	203	23	274	74	1955	5526	12375	
370/3790	Do6	160	40	29	0	229	320	921	216	40	1498	0	0	0	0	0	0	0	0	0	0	0	0	41951	43678	
375/3790	Do6	1006	101	72	6	1186	1409	503	109	22	2043	604	50	0	2	656	0	0	0	0	0	64	0	1013	4962	
380/3750	Do6	138	0	0	0	138	1928	413	136	0	2478	0	0	0	0	0	0	0	0	0	0	0	211	55418	56245	
390/3780	Do6	1344	141	13	1	1499	2758	619	83	1	3460	0	0	0	0	0	0	212	13	0	225	115	346	3303	13948	
395/3735	Do6	561	0	0	0	561	5046	421	454	50	5972	0	0	0	0	0	0	0	101	0	101	0	1429	9286	17348	
395/3760	Do6	173	43	0	0	216	173	539	217	22	951	0	0	0	0	0	0	0	0	0	0	0	0	23297	24463	
400/3740	Do6	0	0	0	0	0	25313	1717	177	0	27406	0	0	0	0	0	0	0	0	0	0	325	0	80000	107731	
400/3775	Do6	0	0	0	0	0	317	554	23	4	897	0	0	0	0	0	0	0	163	0	163	621	565	25690	25937	
405/3730	Do6	0	48	13	0	62	97	872	153	0	1122	0	0	0	0	0	0	0	0	0	0	0	926	59198	61307	
405/3775	Do6	1227	429	0	0	1656	9567	3189	265	0	13021	0	0	0	0	0	0	0	0	0	0	0	378	0	15055	
410/3745	Do6	957	96	0	0	1053	4787	479	103	6	5374	0	0	0	0	0	0	0	0	0	0	0	0	40273	46701	
410/3765	Do6	1167	0	10	3	1180	2334	345	296	0	2975	212	0	0	0	212	0	159	29	0	188	0	0	40878	45452	
420/3730	Do6	0	205	127	1	333	1406	469	148	26	2048	0	0	0	0	0	0	0	264	0	264	179	201	18461	21486	
420/3765	Do6	305	115	30	0	451	2718	244	85	4	3052	133	130	0	0	283	31	61	99	2	192	0	93	18016	22086	
420/3770	Do6	0	0	0	0	0	0	0	0	0	256	0	0	0	0	0	0	0	0	0	0	0	0	70609	70865	
420/3775	Do6	1526	218	0	0	1744	1526	436	0	0	1963	0	218	0	0	218	0	0	0	0	0	0	0	300	45000	49423
425/3730	Do6	0	31	73	0	124	813	1220	256	18	2308	0	0	0	0	0	0	0	0	0	0	0	0	5820	45424	51676
425/3750	Do6	0	82	74	0	153	981	572	147	16	1717	0	0	0	0	0	0	0	0	0	0	0	0	13838	25125	40835
435/3715	Do6	0	173	0	0	173	1130	675	136	0	1941	0	0	0	0	0	0	0	0	0	0	0	76	0	19824	22014
445/3750	Do6	57	0	0	0	57	3186	398	0	3	3588	114	0	0	2	115	2446	156	169	5	2776	0	4597	35038	46171	
455/3750	Do6	268	0	56	0	324	446	45	907	45	1442	0	0	0	0	0	0	22	8	0	30	233	4920	17767	24717	
465/3760	Do6	498	187	22	9	716	3115	467	191	51	3824	0	31	34	45	110	0	125	90	56	270	508	3760	4465	13654	
465/3770	Do6	3099	258	167	4	3528	1633	465	223	21	2361	0	0	0	0	0	0	0	372	0	372	505	5053	38737	50556	
475/3765	Do6	3347	913	164	0	4424	3347	1004	329	18	4698	5651	1293	466	0	5410	0	192	4	195	1628	4670	21349	42373		
475/3775	Do6	285	571	0	1	858	0	0	64	0	64	0	0	39	0	39	0	36	218	3	257	176	0	35273	36667	
480/3755	Do6	3798	317	684	25	4824	1773	127	0	8	1907	1519	0	23	0	1542	0	570	365	0	934	852	206	18258	28504	
AntVal A	Do6	3923	2944	1060	0	7929	1508	0	0	0	1308	1308	2290	707	222	4527	0	0	0	0	0	0	0	187250	201014	
AntVal B	Do6	5861	916	490	0	7267	105	0	0	0	103	9106	864	9	0	9979	0	0	0	0	0	355	0	16192	35897	
PlmSpr C	Do6	0	93	168	0	262	4112	2149	841	37	7140	0	0	0	0	0	0	187	503	112	804	0	0	12390	20596	
PlmSpr D	Do6	604	1006	181	2	1793	4026	2768	860	65	7719	0	0	0	0	0	0	0	136	25	161	0	0	29231	38904	
PlmSpr E	Do6	1510	0	0	0	1510	604	0	0	0	604	0	0	0	0	0	0	0	0	0	0	0	8615	0	50708	61437
AVERAGE	Do6	1040	287	105	2	1433	2676	699	200	14	3589	505	148	39	8	700	73	48	89	7	218	434	1498	55290	43161	
365/3765	Fwy	0	48	0	0	48	8916	2059	480	34	11489	0	291	44	0	334	0	0	0	0	0	484	2420	0	14776	
365/3790	Fwy	872	93	0	0	966	4486	12367	0	0	16833	0	0	0	0	0	0	343	0	0	343	9905	1667	0	29732	
370/3790	Fwy	0	0	0	0	0	0	3072	614	0	3686	0	0	0	0	0	0	0	0	0	0	0	0	53435	0	59121
375/3735	Fwy	0	0	0	0	0	2617	1526	1295	0	5438	0	0	0	0	0	0	0	0	0	0	0	0	22000	500	27938
385/3735	Fwy	561	93	252	22	929	8411	2523	942	37	11913	0	0	0	0	0	0	219	24	243	638	2014	38400	54138		
390/3765	Fwy	0	0	0	0	0	869	405	168	9	1390	0	0	0	0	0	0	0	0	0	0	3247	7320	0	11957	
405/3735	Fwy	1266	233	46	10	1573	19245	1013	342	56	20656	1266	506	46	8	1826	0	0	46	0	46	8332	5238	606	38299	
405/3745	Fwy	0	0	0	0	0	2075	3339	320	0	5934	0	135	0	0	135	0	43	0	0	43	1322	6207	0	13643	
405/3765	Fwy	2723	200	58	3	2985	4165	1722	995	224	7107	0	0	0	0	0	0	0	43	2	43	0	398	0	10534	
420/3735	Fwy	0	0	0	0	0	1714	451	268	0	2434	0	0	0	0	0	0	0	0	0	0	0	0	22722	0	25155
435/3710	Fwy	0	0	0	0	0	1074	971	788	0	2833	0	0	0	0	0	0	0	0	0	0	0	2389	2205	0	7428
435/3715	Fwy	0	0	0	0	0	231	952	644	0	182															

TABLE III. Avg. area (square meters) of vegetation per 10 hectares

UTM #	Deciduous					Broadleaf Evergreen					Conifers					Palms					O_CV	GRS	TOTAL		
	UTZ	D10A	DSA	DSA	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C3A	C1A	CON	P10A	P5A	P3A	P1A				PLM	SRB
465/3760	Opa	1847	693	166	18	2724	9233	3232	499	55	13022	1385	0	0	0	1385	0	1847	831	0	2678	0	2259	28824	50892
470/3755	Opa	0	0	0	0	0	0	0	0	0	0	0	523	236	0	759	0	0	0	0	0	0	123440	0	126199
475/3765	Opa	0	280	67	0	348	3738	93	135	0	3966	1869	187	0	0	2056	0	0	0	0	0	171	429	134724	141694
PlmSpr C	Opa	1047	305	79	9	1439	2791	1308	251	63	4413	0	0	0	0	0	959	785	54	1799	0	0	86677	94328	
AVERAGE	Opa	596	159	30	2	787	3433	1248	347	25	5054	330	161	61	0	552	0	233	138	4	395	578	14020	53891	75279
343/3785	Wdd	736	0	0	0	736	11039	7973	773	49	19834	0	0	0	0	0	0	0	0	0	0	0	0	0	20569
435/3775	Wdd	0	0	0	0	0	424	36969	0	0	37394	0	0	0	0	0	0	0	0	0	0	0	0	0	37394
AVERAGE	Wdd	368	0	0	0	368	5732	22471	586	25	28614	0	0	0	0	0	0	0	0	0	0	0	0	0	28982

TABLE III. Avg. area (square meters) of vegetation per 10 hectares

UTM #	Deciduous					Broadleaf Evergreen					Conifers					Palms					G.CV	GRS	TOTAL	
	UTZ	D10A	D5A	D3A	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C3A	C1A	CON	P10A	P5A	P3A	P1A				PLM
SUMMARY																								
A1	146	176	66	1	389	1220	729	334	20	2303	24	40	23	7	95	0	154	260	31	443	209	205	1734	5381
Dc2	762	119	15	1	897	2401	1609	336	26	4372	172	104	23	3	301	302	497	132	14	945	296	560	3255	10625
Dc3	856	378	81	2	1317	2649	1193	470	26	4338	207	135	43	27	412	94	297	122	11	524	833	1917	11612	20954
Dc4	181	101	17	1	300	436	431	199	3	1070	139	58	4	2	203	0	13	20	2	36	230	1098	664	3602
Dc5	923	85	16	0	1027	1537	865	282	9	2713	51	58	10	7	127	231	360	104	10	705	267	652	1169	6639
Do2	422	194	82	17	713	2764	1324	583	31	4702	602	260	125	11	998	0	362	177	12	551	943	941	13673	22326
Dc3	996	231	51	2	1281	3231	1566	413	15	5228	470	230	32	11	742	323	170	79	2	374	868	5740	11226	25639
Do4	198	143	61	13	416	679	410	200	23	1311	6	1	3	0	10	97	23	33	0	157	198	1986	6107	10184
Do5	133	158	146	4	443	593	1259	712	37	2603	1026	393	74	23	1517	3	193	238	16	449	998	1886	5240	13136
Do6	1040	287	103	2	1433	2676	699	200	14	3389	505	148	39	8	700	75	48	89	7	218	434	1498	35290	43161
Fwy	452	57	30	3	342	4479	2533	588	30	7630	106	78	7	1	191	0	32	26	2	60	2193	12730	5292	26638
Opa	596	159	30	2	787	3433	1248	347	25	5054	330	161	61	0	552	0	253	138	4	393	578	14020	53891	75279
All Average	559	174	58	4	796	2177	1156	389	22	3743	303	139	37	8	487	94	201	118	9	422	671	3603	12263	21984

TABLE IV. THE COASTAL AND THE INTERIOR

UTM #	UTZ	Deciduous					Broadleaf Evergreen					Conifers					Palms					SRB	G-COV	GRS	TOTAL
		D10A	D5A	D3A	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C5A	C1A	CON	P10A	P5A	P3A	P1A	PLM				
365/3780	A1	535	803	241	5	1584	1963	1784	450	23	4219	0	45	112	21	178	0	0	64	27	91	582	145	873	7673
380/3765	A1	27	31	20	1	79	391	356	154	7	888	0	0	0	1	1	0	15	77	1	93	13	292	1274	2646
395/3775	A1	0	80	57	0	137	1980	292	146	1	2420	71	62	10	18	160	0	318	45	0	363	209	595	712	4596
465/3760	A1	75	75	61	2	212	748	1063	249	5	2067	75	131	27	1	233	0	75	303	29	407	386	126	286	3717
Average	A1	159	247	95	2	503	1270	869	250	9	2399	36	59	37	10	143	0	102	122	14	238	299	290	786	4658
385/3735	A1-C	241	65	14	0	321	582	316	365	16	1279	0	0	0	0	0	0	241	278	5	524	58	0	3604	5786
390/3755	A1-C	0	0	0	0	0	1658	580	637	66	2942	0	0	0	0	0	0	276	796	122	1194	0	70	3659	7866
Average	A1-C	120	33	7	0	161	1120	448	501	41	2111	0	0	0	0	0	0	259	537	63	859	29	35	3631	6826
350/3785	De2	467	70	50	4	392	467	234	25	4	730	374	0	0	3	377	0	47	126	0	173	38	229	152	2290
370/3780	De2	1273	159	0	0	1432	2334	796	401	110	5641	0	0	0	0	0	0	212	0	0	212	134	865	3416	9720
375/3765	De2	0	70	13	0	83	140	359	139	6	644	0	0	0	0	0	0	9	23	11	45	0	279	1473	2523
375/3780	De2	1895	135	73	3	2106	5143	677	195	27	6042	0	0	0	0	0	0	68	73	3	143	662	441	9076	18471
380/3765	De2	0	144	0	0	144	744	338	0	0	1083	0	133	0	0	133	0	482	0	0	482	69	0	2069	3982
385/3785	De2	3434	0	0	0	3434	2453	859	0	0	3312	0	245	88	0	334	0	245	0	0	245	38	0	2288	9650
465/3755	De2	719	255	16	4	994	5333	2022	523	23	7902	1838	749	216	17	2840	0	225	270	2	496	608	1495	5314	19648
470/3770	De2	1963	491	0	0	2433	7850	491	885	0	9224	0	0	0	0	0	0	3925	3434	707	118	8184	1100	0	20961
Average	De2	1219	165	19	1	1405	5038	722	271	21	4072	279	141	38	3	461	491	590	150	17	1248	334	414	2973	10906
360/3765	De2-C	0	55	0	0	55	4506	1454	157	0	6117	0	218	0	0	218	0	999	0	0	999	222	167	8889	16667
370/3745	De2-C	129	43	0	0	173	690	776	237	0	1703	0	0	0	0	0	0	86	0	0	86	354	2889	3413	8619
385/3735	De2-C	0	66	32	4	101	1058	706	564	71	2398	0	0	0	0	0	0	176	183	25	384	175	508	1753	5319
390/3735	De2-C	26	58	16	0	101	494	754	302	6	1555	0	0	0	13	13	0	401	332	27	840	0	189	3647	6346
400/3740	De2-C	0	0	0	0	0	0	11448	942	92	12482	0	0	0	0	0	0	0	0	0	0	433	217	800	13932
Average	De2-C	31	44	10	1	86	1350	3027	440	34	4851	0	44	0	3	46	0	349	103	10	462	237	794	3700	10176
340/3790	De3	2687	588	0	0	3274	1007	588	589	0	2185	504	126	121	27	777	0	126	0	0	126	652	193	33048	40255
360/3780	De3	4331	2369	268	6	6974	2978	1759	609	95	5441	0	0	0	31	31	0	149	73	12	234	2407	486	15051	30644
360/3790	De3	3286	635	0	0	5971	0	0	0	0	0	243	532	104	33	913	122	133	16	0	321	602	337	9473	15636
370/3770	De3	665	665	120	20	1470	3326	6486	437	106	10356	0	60	44	104	0	0	772	2	774	763	0	8988	22365	
380/3770	De3	238	190	17	3	449	1332	1059	287	10	2688	0	0	0	12	12	0	262	287	4	552	39	212	5303	9236
385/3770	De3	651	249	72	5	977	613	594	183	5	1394	0	0	0	12	12	0	96	83	1	180	41	66	1141	3812
390/3775	De3	264	82	0	0	346	4222	1286	239	0	5748	0	198	0	0	198	1583	2639	0	0	4222	85	171	10339	21109
400/3775	De3	5019	755	0	0	5774	10869	0	0	0	10869	0	0	0	0	0	0	0	0	0	0	0	0	1615	16239
410/3790	De3	0	345	0	0	345	0	2212	650	0	2862	0	93	202	41	336	0	156	0	0	156	12143	10210	3483	29332
410/3770	De3	1308	491	44	0	1843	2208	1963	545	0	4713	0	286	0	3	291	0	245	0	0	245	125	57	6432	13709
410/3775	De3	517	388	38	0	944	1400	730	173	0	2302	363	129	11	0	503	61	99	11	0	171	217	558	7457	12153
415/3775	De3	1324	438	0	0	1963	3277	1600	535	0	5413	0	0	178	0	178	152	591	0	0	743	350	3097	13883	25627
420/3790	De3	0	254	23	0	280	1017	480	142	0	1639	0	28	20	11	59	0	85	25	0	110	728	1344	10963	15122
425/3730	De3	136	31	34	0	200	1356	1638	503	14	3691	0	99	24	4	128	0	169	107	5	281	27	0	14877	19203
425/3790	De3	849	159	64	0	1071	3336	2245	611	144	6336	0	0	0	0	0	0	212	140	0	352	335	2454	10357	21106
425/3760	De3	0	0	0	2	2	0	0	25	12	37	0	0	0	10	10	0	0	3	3	65	298	7289	7704	
430/3760	De3	0	0	8	1	8	0	78	84	26	188	0	0	0	4	4	0	0	0	0	0	146	2282	2166	4795
435/3720	De3	0	308	0	0	308	519	1703	432	0	2634	0	0	0	0	0	0	0	0	0	0	89	6942	5537	15331
435/3770	De3	1262	946	139	0	2347	3224	806	214	63	4308	0	0	0	0	0	0	105	25	0	130	0	2168	12543	21495
440/3715	De3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	240	14734	11016	26011
440/3775	De3	494	1061	93	0	1649	790	1185	182	0	2137	0	815	0	0	815	0	296	44	0	341	428	1478	26101	32967
445/3760	De3	0	0	0	0	0	0	0	0	2	2	0	0	0	23	23	0	0	0	0	0	25	0	1038	1088
445/3770	De3	277	46	0	0	323	554	323	83	0	960	0	0	0	3	3	0	115	0	0	115	226	753	9336	11719
450/3745	De3	1898	180	9	1	2088	4669	559	171	11	5390	154	26	32	110	322	359	123	79	7	573	52	24	15059	23507
450/3755	De3	1189	99	71	4	1364	1982	297	428	0	2708	396	297	71	87	852	0	20	36	4	59	561	939	11414	17898
460/3755	De3	473	709	383	9	1575	13241	2837	1021	0	17100	3783	1182	0	104	5069	0	236	170	0	407	892	1265	8534	34861
460/3770	De3	0	0	0	0	0	0	0	0	16	16	0	0	0	16	16	0	0	0	0	0	0	1932	14611	16576
465/3745	De3	0	0	0	0	0	0	0	0	212	0	212	0	0	14	149	163	0	0	0	0	1720	2760	8440	13295
465/3760	De3	1723	1101	258	13	3096	8616	3781	1155	101	13633	191	191	69	6	458	0	2250	758	199	3207	1629	7466	15036	44565
470/3745	De3	0	119	21	4	144	476	278	164	10	928	0	139	0	0	139	0	0	50	1	51	131	32		

TABLE IV. THE COASTAL AND THE INTERIOR

UTM #	UTZ	Deciduous					Broadleaf Evergreen					Conifers					Palms					SRD	G-COV	GRS	TOTAL	
		D10A	D5A	D3A	D1A	DEC	O10A	O5A	O3A	O1A	ORN	C10A	C	C3A	C1A	CON	P10A	P5A	P3A	P1A	PLM					
370/3750	De3-C	151	981	156	2	1270	753	1057	937	30	2779	0	0	0	30	30	0	38	109	0	146	0	0	8112	12337	
370/3765	De3-C	106	0	0	0	106	1021	452	115	7	1596	0	0	0	6	6	0	74	115	17	206	53	0	6215	8182	
375/3730	De3-C	456	228	91	5	780	3393	1557	834	33	5818	0	63	27	14	104	51	228	643	11	932	1204	2570	6655	18063	
375/3745	De3-C	371	108	0	0	479	2349	850	150	0	3349	0	0	50	0	50	0	0	0	0	0	866	2173	48728	55645	
380/3735	De3-C	2048	203	23	2	2276	2176	1088	349	41	3634	0	0	0	0	0	0	32	54	6	92	568	2571	11055	20216	
380/3745	De3-C	0	45	0	0	45	0	496	723	0	1219	0	0	0	0	0	0	158	0	0	158	368	3621	195	5606	
385/3750	De3-C	632	218	0	0	850	1233	729	290	0	2252	0	45	0	0	45	0	120	0	0	120	55	3090	8684	15096	
395/3735	De3-C	848	396	156	9	1409	9619	5565	1914	46	17144	0	203	80	20	303	627	1023	680	41	2370	1643	82	52467	55417	
395/3745	De3-C	0	331	0	0	331	469	512	127	0	1108	0	0	0	8	8	0	32	0	0	32	891	348	14190	16908	
395/3750	De3-C	431	72	0	0	503	1580	535	177	0	2091	0	60	0	0	60	0	48	0	0	48	174	1531	28727	33154	
395/3780	De3-C	2379	416	0	0	2795	4520	1546	1028	0	7094	952	773	171	48	1943	0	892	0	0	892	573	919	23788	40024	
400/3730	De3-C	56	28	10	1	94	1865	1427	410	14	3716	0	42	20	3	65	28	77	122	18	244	715	128	10034	14995	
400/3735	De3-C	412	336	158	6	912	1149	1648	607	8	5412	43	54	6	3	106	22	157	66	1	246	133	59	5237	10086	
400/3740	De3-C	732	233	12	1	978	3389	1547	0	0	6935	0	0	18	6	24	67	316	156	6	544	158	119	4449	15208	
405/3730	De3-C	0	26	33	0	39	780	1079	318	23	2200	0	0	150	33	183	0	0	0	2	2	0	0	9305	11748	
405/3740	De3-C	47	141	68	0	256	423	1022	829	31	2306	0	0	165	22	187	0	0	55	0	55	22	4411	14612	21847	
410/3730	De3-C	38	189	34	2	262	1396	1170	764	76	3407	0	0	0	0	0	0	9	24	4	37	577	2043	12334	18860	
415/3715	De3-C	0	59	0	0	59	664	0	0	0	664	0	0	0	0	0	0	283	42	0	325	376	1868	2820	6112	
420/3730	De3-C	1982	876	226	10	3095	3333	1467	1005	4	5829	152	57	41	113	364	114	171	117	3	406	952	1325	16259	28230	
425/3710	De3-C	0	122	0	0	122	758	474	351	15	1598	0	0	0	0	0	0	95	19	0	114	608	14599	0	17041	
430/3700	De3-C	0	204	0	0	204	0	2855	2459	108	5422	0	0	0	0	0	0	0	0	0	0	3319	4187	7699	20831	
435/3700	De3-C	283	869	35	0	1187	669	1030	547	11	2257	0	586	37	21	643	0	167	0	0	167	2007	1106	2902	10267	
Average	De3-C	475	282	56	2	814	1927	1248	594	19	3789	64	82	32	16	194	36	163	93	5	298	641	1925	11868	19528	
AntVal B	De3-NA	620	1549	428	0	2597	2892	1188	1153	0	5233	3099	1839	632	351	5941	0	0	0	0	0	274	652	10021	24697	
AntVal A	De3-NA	3182	451	1327	15	4975	424	133	124	0	681	424	292	334	57	1107	0	0	19	2	21	0	173	9355	16295	
PlmSpr A	De3-NA	0	0	0	0	0	0	2590	897	448	116	4051	0	0	0	0	0	1795	1494	251	12	3550	5216	0	8473	21200
PlmSpr D	De3-NA	391	59	0	0	449	5077	2559	562	150	8328	0	0	0	0	0	0	1269	555	49	1873	4030	0	8279	22959	
PlmSpr E	De3-NA	0	0	0	0	0	30528	4579	1963	283	37353	0	0	0	0	0	0	3816	1570	305	5691	0	0	27556	70600	
370/3790	De4	1655	1239	0	0	2892	2479	2169	149	0	4797	0	310	0	0	310	0	0	0	0	0	895	0	4421	13315	
375/3770	De4	43	75	27	0	146	604	205	140	11	960	0	0	0	9	9	0	0	66	16	82	30	0	151	1378	
380/3775	De4	0	53	38	6	96	210	385	151	19	766	70	0	0	1	71	0	0	6	3	9	0	1491	134	2567	
385/3765	De4	0	0	28	1	28	0	38	21	6	65	0	0	0	1	1	0	6	16	8	30	41	146	55	366	
390/3765	De4	0	83	30	1	114	442	1078	70	7	1597	0	0	0	0	0	0	0	259	3	262	239	12056	0	14268	
390/3770	De4	106	27	10	3	145	106	265	325	6	702	0	27	0	0	27	0	0	0	1	1	1	203	81	1160	
400/3750	De4	0	89	0	0	89	0	145	140	0	285	0	323	0	0	323	0	45	0	0	45	384	925	932	2984	
400/3765	De4	60	40	7	0	108	141	526	45	3	515	0	0	2	3	5	0	0	14	0	14	0	0	327	970	
400/3770	De4	169	68	33	1	271	744	423	448	2	1617	0	0	3	5	8	0	8	18	1	28	125	22	183	2254	
405/3745	De4	0	0	0	0	0	826	413	124	0	1363	0	0	12	0	12	0	0	0	0	0	281	325	861	2842	
405/3775	De4	0	0	0	0	0	1201	1293	141	0	2655	0	0	0	0	0	0	0	0	0	0	75	252	1835	4797	
420/3745	De4	0	0	151	0	151	374	0	471	0	845	2617	467	0	0	3084	0	0	0	0	0	0	0	171	4252	
430/3765	De4	599	108	0	0	707	732	241	75	2	1050	0	25	6	11	42	0	0	0	0	0	0	2966	0	4765	
435/3760	De4	0	0	7	0	7	0	73	7	0	79	0	0	0	0	0	0	0	0	0	0	0	23	0	109	
Average	De4	188	127	24	1	340	561	504	165	4	1234	192	82	2	2	278	0	4	27	2	34	148	1315	654	4002	
380/3755	De4-C	0	15	0	0	15	118	266	58	3	445	0	0	0	0	0	0	0	0	1	1	129	65	259	914	
385/3745	De4-C	0	0	0	0	0	439	378	149	0	966	0	0	0	0	0	0	0	0	0	0	829	2845	0	4640	
390/3745	De4-C	0	0	0	0	0	150	38	36	0	224	0	0	0	0	0	0	0	0	0	0	0	420	0	644	
390/3750	De4-C	0	223	0	0	223	0	84	35	0	119	0	0	0	0	0	0	14	0	0	14	0	136	454	945	
410/3720	De4-C	935	0	0	0	935	0	748	1110	0	1858	0	0	0	0	0	0	234	0	0	234	1652	531	686	5895	
410/3735	De4-C	234	105	29	0	368	527	38	231	0	617	234	70	21	13	337	0	0	0	0	0	152	557	1089	3121	
420/3730	De4-C	0	0	0	0	0	271	435	247	9	962	0	0	38	2	40	0	10	31	2	43	0	104	2295	3445	
Average	De4-C	167	49	4	0	220	186	287	267	2	741	33	10	8	2	54	0	37	4	1	42	395	666	683	2801	
365/3790	De5	512	0	0	0	512	1195	469	215	0	1879	171	384	61	0	616	0	427	0	0	427	174	1783	600	5990	
380/3775	De5	0	0	0	0	0	972	97	0	1069	0	0	0	0	0	0	0	0	0	0	0	55	0	202	1326	
385/3775	De5	0	0	0	0	0	272	413	0	685	0	0	0	0	0	0	0	0	0	0	0	92				

TABLE IV. THE COASTAL AND THE INTERIOR

UTM #	UTZ	Deciduous					Broadleaf Evergreens					Conifers					Palms					SRB	G-COV	GRS	TOTAL	
		D10A	D5A	D3A	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C5A	C1A	CON	P10A	P5A	P3A	P1A	PLM					
375/3730	De5-C	0	0	0	0	0	0	119	21	2	143	0	0	0	0	0	0	0	64	5	69	385	391	170	1357	
380/3733	De5-C	1308	164	0	0	1472	3271	1635	589	65	5560	0	0	0	0	0	0	327	59	26	412	833	0	5017	13294	
420/3730	De5-C	0	44	0	0	44	1221	349	94	3	1668	0	0	0	0	0	0	349	63	2	413	322	722	478	3647	
Average	De5-C	327	52	0	0	379	5085	771	176	18	4031	0	0	0	0	0	0	169	46	8	224	460	328	1541	6982	
FlmSpr A	De5-NA	0	0	0	0	0	1762	601	360	33	2739	0	0	0	0	0	0	2083	389	29	2501	0	0	1045	6304	
350/3790	Do2	1273	1061	286	0	2620	4243	371	134	0	4748	1483	477	0	0	1963	0	371	0	0	371	2297	3000	11824	26824	
400/3760	Do2	0	0	0	0	0	0	0	0	0	0	11488	3829	1333	80	16733	0	0	0	0	0	0	0	878	17611	
415/3750	Do2	0	0	25	1	27	1402	561	139	0	2101	0	0	0	0	0	0	175	0	0	175	1132	3629	386	9469	
420/3745	Do2	0	0	0	8	8	0	0	400	24	424	0	0	471	0	471	0	785	236	8	1028	0	3960	4780	10671	
445/3775	Do2	0	19	7	43	68	0	224	47	40	312	0	0	0	0	0	0	0	0	0	0	1929	3000	4593	9904	
455/3770	Do2	357	268	128	4	756	1784	446	417	0	2648	0	0	0	71	71	0	357	96	11	464	291	291	9891	14412	
460/3750	Do2	1599	109	0	0	1708	2035	472	39	0	2547	436	691	65	1	1193	0	218	144	0	362	0	139	19444	23594	
470/3765	Do2	0	60	424	75	559	0	543	304	11	839	121	242	304	13	680	0	272	120	2	394	280	25	20092	22888	
Average	Do2	404	190	109	16	718	1183	527	185	9	1705	1691	655	272	21	2639	0	272	74	3	349	744	2005	8986	17147	
AntVal B	Do2-NA	0	0	0	144	144	0	0	864	0	864	0	327	157	0	484	0	0	0	0	0	0	0	0	5511	7003
FlmSpr B	Do2-NA	327	82	0	0	409	981	1227	530	82	2819	0	0	0	0	0	0	409	539	65	1063	267	0	29025	33583	
FlmSpr C	Do2-NA	0	124	108	25	257	6223	1326	573	81	8204	0	0	0	0	0	0	1414	605	74	2093	0	0	23081	33633	
FlmSpr E	Do2-NA	180	34	16	0	231	6677	2199	548	41	9465	0	0	0	0	0	0	1545	836	59	2440	1341	0	19716	33193	
355/3780	Do2-C	581	363	209	20	1175	2520	1963	1143	62	5637	0	0	0	9	9	0	0	0	0	0	632	869	4583	12954	
365/3760	Do2-C	0	55	0	0	55	1627	2783	197	0	4609	0	106	140	7	254	0	124	0	0	124	0	3649	21667	30356	
370/3733	Do2-C	491	123	132	5	751	10794	3802	1987	74	16657	0	0	0	0	0	0	0	0	0	0	11900	0	14788	44095	
370/3760	Do2-C	148	111	80	10	349	4394	1716	391	25	6726	0	0	0	31	31	0	4	1	6	129	0	1123	8363		
380/3733	Do2-C	4747	2145	394	0	7286	4199	456	148	2	4805	0	0	0	0	0	0	0	0	0	0	0	0	49000	61091	
400/3730	Do2-C	0	231	125	7	362	10390	5193	1309	111	17004	0	0	0	0	0	0	1270	561	9	1840	0	0	16094	33301	
405/3730	Do2-C	0	0	0	0	0	1519	1456	342	13	3330	0	0	0	0	0	0	127	342	13	481	0	0	9032	12843	
405/3740	Do2-C	0	0	0	0	0	1832	1884	58	3773	0	0	0	0	0	0	0	0	0	0	0	720	133	9000	13627	
430/3715	Do2-C	0	184	0	0	184	736	276	199	0	1211	0	0	33	0	33	0	552	0	0	552	258	1125	10781	14144	
Average	Do2-C	663	355	105	5	1127	4020	2164	867	38	7089	0	12	19	5	36	0	250	101	3	334	1515	642	15119	25862	
350/3790	Do3	323	242	0	0	565	2796	968	387	0	4151	0	376	0	13	389	0	215	0	0	215	151	110	329	5909	
365/3775	Do3	0	96	63	0	159	1276	1468	1218	0	3962	766	511	80	8	1364	0	96	0	0	96	3130	1577	1146	11433	
365/3793	Do3	964	184	107	1	1236	1974	2961	359	10	5304	92	69	8	16	185	0	11	37	0	49	102	228	155	7280	
370/3775	Do3	654	297	0	0	932	4520	952	166	0	5637	1844	624	96	24	2589	0	387	21	0	408	2583	1773	1409	15350	
380/3780	Do3	683	358	0	0	1041	2750	1314	197	0	4241	1092	444	55	8	1599	137	239	43	0	418	493	188	19304	27285	
380/3790	Do3	1675	445	28	0	2148	5652	2460	754	0	8865	3559	1125	254	18	4956	0	497	0	0	497	453	2847	13117	32883	
385/3780	Do3	280	70	0	0	350	1682	1051	858	0	3591	0	981	0	25	1006	0	631	0	0	631	729	10929	1493	18729	
405/3760	Do3	876	175	16	1	1068	3399	736	306	22	4463	210	202	16	23	450	33	96	32	1	164	580	26205	5089	38020	
415/3765	Do3	191	72	23	4	290	2266	854	135	10	3264	160	48	11	1	220	0	24	34	4	62	604	8740	1941	15121	
435/3765	Do3	2962	148	13	0	3124	1185	222	53	19	1480	392	111	0	0	704	148	37	0	0	185	208	991	4075	10766	
450/3770	Do3	242	121	0	0	362	1449	1087	207	0	2743	0	393	0	0	393	0	181	0	0	181	185	0	13538	17402	
450/3775	Do3	0	0	0	0	0	872	218	0	0	1090	0	0	0	0	0	0	0	0	0	0	620	407	4257	6375	
455/3775	Do3	93	175	97	1	366	327	257	181	16	781	0	47	21	0	68	0	17	0	17	608	32173	5446	39458		
460/3760	Do3	1070	389	93	5	1558	616	608	134	0	1339	0	0	9	6	15	0	57	53	0	109	517	1736	13430	18722	
465/3750	Do3	231	289	21	0	340	1847	808	83	7	2745	924	58	62	0	1044	0	115	416	14	345	441	1471	27941	34727	
470/3745	Do3	0	191	0	0	191	278	122	38	0	437	0	0	0	0	0	0	87	13	0	99	32	0	57	816	
470/3770	Do3	6244	89	96	0	6430	9456	803	48	0	10307	337	0	0	0	357	7672	134	64	12	7882	564	1636	114545	141721	
475/3750	Do3	208	143	33	8	592	1248	351	108	0	1706	52	52	0	4	108	52	65	14	0	151	84	0	5099	7521	
475/3755	Do3	0	0	0	0	0	0	0	32	71	103	0	0	0	0	53	9	62	0	0	0	0	0	437	7809	8431
490/3760	Do3	7309	1726	426	33	9494	3857	1049	298	31	5236	1692	271	30	3	1996	0	203	128	3	334	3421	35779	4159	60418	
495/3760	Do3	355	133	88	4	580	754	188	64	12	1018	0	0	4	0	4	355	188	4	1	548	1823	8052	13803	25828	
Average	Do3	1160	254	55	3	1470	2295	880	268	9	3452	340	233	33	8	834	400	155	42	2	599	825	6443	12293	25914	
360/3760	Do3-C	0	0	0	0	0	2166	6226	390	0	8781	0	541	0	41	582	0	0	0	0	0	1414	1241	14483	26501	
360/3770	Do3-C	183	251	58	0	491	2465	3628	822	0	6914	183	0	0	55	237	0	23	181	9	213	291	349	5253	13728	
365/3770	Do3-C	509	164	28	0	502	9551	3790	1754	163	15238	303														

TABLE IV. THE COASTAL AND THE INTERIOR

UTM #	UTZ	Deciduous					Broadleaf Evergreen					Conifers					Palms					SRB	G-COV	GRS	TOTAL	
		D10A	DSA	DSA	D1A	DEC	G10A	GSA	GSA	G1A	GRN	C10A	C	C3A	C1A	CON	P10A	P5A	P3A	P1A	PLM					
435/3760	Do4	0	43	0	43	85	0	0	31	19	49	0	0	0	0	0	0	0	0	0	0	217	0	8011	8363	
440/3770	Do4	0	0	24	2	26	0	66	12	2	80	0	0	0	0	0	0	0	0	0	0	0	3213	1842	5161	
495/3760	Do4	0	0	0	0	0	1227	307	0	0	1533	0	0	0	0	0	1472	123	0	5	1399	0	0	48125	51238	
Average	Do4	66	20	18	6	110	424	309	149	12	894	0	0	1	1	1	147	14	2	1	163	133	2250	7033	10624	
350/3780	Do4-C	2106	1340	672	59	4178	2566	1771	603	82	5022	0	0	0	0	0	0	0	0	0	0	219	0	14143	23562	
370/3750	Do4-C	0	584	6	0	590	260	584	181	15	1039	0	0	0	0	0	0	0	33	0	33	767	394	6346	9172	
375/3750	Do4-C	0	0	0	0	0	0	151	97	0	248	0	0	0	0	0	0	17	0	0	17	150	612	884	1910	
403/3730	Do4-C	239	86	31	0	376	1353	582	349	30	2515	0	0	0	0	0	86	151	124	0	361	165	6264	2390	12071	
403/3733	Do4-C	149	82	43	6	281	1940	313	467	46	2767	90	22	33	0	147	0	7	8	1	16	241	487	762	4700	
415/3733	Do4-C	0	0	34	73	129	299	73	13	65	452	0	0	0	0	0	0	93	350	0	443	94	1523	2634	3296	
Average	Do4-C	419	349	134	23	923	1103	579	285	40	2007	15	4	6	0	23	14	45	86	0	146	273	1547	4530	9432	
335/3790	Do5	1468	431	0	0	1899	383	862	132	0	1377	0	80	0	0	80	0	0	0	0	0	1446	589	3381	8971	
360/3790	Do5	0	40	0	0	40	0	243	131	0	374	0	0	0	11	11	0	40	0	0	40	800	124	643	2032	
410/3760	Do5	0	26	9	2	37	277	1012	338	13	1660	0	0	0	0	0	0	0	0	0	0	79	441	2423	4640	
425/3770	Do5	0	0	0	6	6	0	0	42	3	46	0	0	0	0	0	0	42	2	44	0	0	640	128	864	
445/3770	Do5	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	185	0	188	
460/3755	Do5	0	0	0	0	0	0	12543	5360	0	18103	14335	4522	246	290	19393	0	1193	1751	140	3085	4165	7632	36483	88881	
465/3755	Do4	0	673	1877	47	2397	2467	224	464	18	3174	0	897	787	22	1707	0	0	20	0	20	2571	3886	8857	22812	
465/3775	Do5	0	0	0	0	0	0	0	42	72	113	0	0	0	0	0	0	0	0	0	0	0	7765	2596	10473	
470/3765	Do5	0	0	0	0	0	1963	0	88	2	2033	0	0	0	0	0	0	429	949	27	1406	263	3688	4688	12096	
Average	Do5	163	130	210	6	509	563	1634	738	12	2989	1593	611	113	36	2334	0	183	307	19	511	1036	2774	6600	16773	
PlmSpr B	Do5-NA	36	9	0	0	44	1456	977	336	18	2787	36	9	3	0	48	36	844	527	60	1467	550	0	10223	13119	
400/3730	Do5-C	160	40	87	0	287	1442	1202	404	13	3060	0	0	0	0	0	0	0	0	0	0	0	294	1200	4841	
403/3730	Do5-C	0	0	10	0	10	346	173	348	31	898	0	0	0	0	0	0	188	42	0	229	919	0	1471	3327	
403/3740	Do5-C	0	0	64	0	64	0	0	1509	328	1838	0	0	0	0	0	0	0	0	0	0	409	0	1064	3373	
435/3715	Do5-C	221	993	0	0	1216	0	387	537	18	962	0	0	0	0	0	0	0	0	0	0	2768	1141	0	6087	
Average	Do5-C	95	259	40	0	394	447	440	703	97	1689	0	0	0	0	0	0	47	10	0	57	1024	339	934	4437	
345/3790	Do6	760	190	0	0	930	233	443	0	0	696	0	0	0	0	0	0	0	0	0	0	0	0	70613	72239	
355/3785	Do6	1734	319	25	3	2084	1332	753	164	14	2483	0	0	0	0	0	0	46	205	23	274	74	1935	5326	12375	
375/3790	Do6	1006	101	72	6	1136	1409	303	109	22	2043	604	50	0	2	656	0	0	0	0	0	64	0	1013	4962	
390/3780	Do6	1344	141	13	1	1499	2738	619	83	1	3460	0	0	0	0	0	0	212	13	0	223	113	346	8303	13948	
395/3733	Do6	561	0	0	0	561	3046	421	434	50	5972	0	0	0	0	0	0	0	101	0	101	0	1429	9286	17348	
400/3740	Do6	0	0	0	0	0	23513	1717	177	0	27406	0	0	0	0	0	0	0	0	0	0	323	0	80000	107731	
403/3775	Do6	1227	429	0	0	1656	9367	3189	263	0	13021	0	0	0	0	0	0	0	0	0	0	0	378	0	15055	
410/3745	Do6	957	96	0	0	1053	4787	479	103	6	3374	0	0	0	0	0	0	0	0	0	0	0	0	40273	46701	
410/3765	Do6	1167	0	10	3	1180	2334	345	296	0	2975	212	0	0	0	212	0	159	29	0	188	0	0	40878	43432	
420/3765	Do6	303	113	30	0	451	2718	244	85	4	3032	153	130	0	0	283	31	61	99	2	192	0	93	18016	22086	
420/3770	Do6	0	0	0	0	0	256	0	0	0	256	0	0	0	0	0	0	0	0	0	0	0	0	70609	70865	
420/3773	Do6	1326	218	0	0	1744	1526	436	0	0	1963	0	218	0	0	218	0	0	0	0	0	0	500	45000	49423	
425/3730	Do6	0	51	73	0	124	813	1220	256	18	2308	0	0	0	0	0	0	0	0	0	0	0	5820	43424	51676	
425/3750	Do6	0	82	74	0	153	981	372	147	16	1717	0	0	0	0	0	0	0	0	0	0	0	0	13838	25123	40835
445/3750	Do6	57	0	0	0	57	3186	398	0	3	3388	114	0	0	2	113	2446	136	169	3	2776	0	4597	35038	46171	
455/3750	Do6	268	0	56	0	324	446	45	907	43	1442	0	0	0	0	0	0	22	8	0	30	233	4920	17767	24717	
465/3760	Do6	498	187	22	9	716	3113	467	191	31	3824	0	31	34	43	110	0	123	90	36	270	508	3760	4465	13634	
465/3770	Do6	3099	258	167	4	3328	1633	463	223	21	2361	0	0	0	0	0	0	0	372	0	372	503	5033	38737	50356	
475/3765	Do6	3347	913	164	0	4424	3347	1004	329	18	4698	3631	1293	466	0	3410	0	0	192	4	193	1628	4670	21349	42373	
475/3775	Do6	283	571	0	1	858	0	0	64	0	64	0	0	39	0	39	0	36	218	3	257	176	0	35273	36667	
480/3755	Do6	3798	317	684	25	4824	1773	127	0	8	1907	1519	0	23	0	1542	0	370	363	0	934	832	206	18238	28304	
Average	Do6	1045	190	66	3	1303	3466	633	183	13	4315	298	82	27	2	409	118	66	89	4	277	212	2264	29950	38730	
370/3750	Do6-C	160	40	29	0	229	320	921	216	40	1498	0	0	0	0	0	0	0	0	0	0	0	0	41951	43678	
380/3750	Do6-C	138	0	0	0	138	1928	413	136	0	2478	0	0	0	0	0	0	0	0	0	0	0	211	53418	56243	
395/3760	Do6-C	173	43	0	0	216	173	339	217	22	951	0	0	0	0	0	0	0	0	0	0	0	0	23297	24463	
400/3775	Do6-C	0	0	0	0	0	317	534	23	4	897	0	0	0	0	0	0	0	163	0	163	621	363	23690	23937	
403/3730	Do6-C	0	48	13	0	62	97	872	133	0	1122	0	0	0	0	0	0	0	0	0	0	0	926	59198	61307	
420/3730	Do6-C																									

TABLE IV. THE COASTAL AND THE INTERIOR

UTM #	UTZ	Deciduous					Broadleaf Evergreen					Conifers					Palms					SRB	G-COV	GRS	TOTAL
		D10A	D5A	D5A	D1A	DEC	G10A	G5A	G5A	G1A	GRN	C10A	C	C5A	C1A	CON	P10A	P5A	P5A	P1A	PLM				
365/3790	Fwy	872	93	0	0	966	4486	12167	0	0	16853	0	0	0	0	0	0	343	0	0	343	9903	1667	0	29732
370/3790	Fwy	0	0	0	0	0	0	3072	614	0	3686	0	0	0	0	0	0	0	0	0	0	0	55455	0	59121
390/3765	Fwy	0	0	0	0	0	809	405	168	9	1390	0	0	0	0	0	0	0	0	0	0	3247	7320	0	11957
405/3745	Fwy	0	0	0	0	0	2073	3339	520	0	5934	0	135	0	0	135	0	45	0	0	45	1322	6207	0	13643
405/3765	Fwy	2723	200	38	3	2985	4163	1722	995	224	7107	0	0	0	0	0	0	0	43	2	45	0	398	0	10534
420/3735	Fwy	0	0	0	0	0	1714	451	268	0	2434	0	0	0	0	0	0	0	0	0	0	0	22722	0	23155
Average	Fwy	599	49	10	1	658	2208	3559	427	39	6234	0	23	0	0	23	0	65	7	0	72	2412	15625	0	25024
365/3765	Fwy-C	0	48	0	0	48	8916	2059	480	34	11489	0	291	44	0	334	0	0	0	0	0	484	2420	0	14776
375/3735	Fwy-C	0	0	0	0	0	2617	1526	1295	0	5438	0	0	0	0	0	0	0	0	0	0	0	22000	500	27938
385/3735	Fwy-C	561	93	232	22	929	8411	2523	942	37	11913	0	0	0	0	0	0	0	219	24	243	638	2014	38400	54138
405/3735	Fwy-C	1266	253	46	10	1375	19245	1013	342	56	20656	1266	506	46	8	1826	0	0	46	0	46	8332	5258	606	38299
435/3710	Fwy-C	0	0	0	0	0	1074	971	788	0	2833	0	0	0	0	0	0	0	0	0	0	2389	2205	0	7428
435/3715	Fwy-C	0	0	0	0	0	231	952	644	0	1827	0	0	0	0	0	0	0	0	0	0	0	25110	0	26958
Average	Fwy-C	304	66	50	3	425	6749	1508	749	21	9026	211	133	15	1	360	0	0	44	4	48	1974	9835	6584	28253

TABLE IV. THE COASTAL AND THE INTERIOR

UTM #	UTZ	Deciduous					Broadleaf Evergreen					Conifers					Palms					SRB	G-COV	GRS	TOTAL
		D10A	D5A	D5A	D1A	DEC	G10A	G5A	G5A	G1A	GRN	C10A	C	C5A	C1A	CON	P10A	P5A	P5A	P1A	PLM				
SUMMARY 1																									
	A1	159	247	95	2	503	1270	869	250	9	2399	36	59	37	10	143	0	102	122	14	238	299	290	786	4658
	A1-C	120	33	7	0	161	1120	448	501	41	2111	0	0	0	0	0	0	259	537	63	859	29	35	3631	6826
	De2	1219	165	19	1	1405	3058	722	271	21	4072	279	141	38	3	461	491	590	150	17	1248	334	414	2973	10906
	De2-C	31	44	10	1	86	1350	5027	440	34	4851	0	44	0	3	46	0	349	103	10	462	237	794	3700	10176
	De3	1110	437	61	3	1611	2381	1068	358	18	3806	235	131	31	27	424	97	251	93	7	449	821	2143	11296	20548
	De3-C	475	282	56	2	814	1927	1248	594	19	3789	64	82	32	16	194	36	163	93	5	298	641	1925	11868	19528
	De4	188	127	24	1	340	561	504	165	4	1234	192	82	2	2	278	0	4	27	2	34	148	1315	654	4002
	De4-C	167	49	4	0	220	186	287	267	2	741	33	10	8	2	54	0	37	4	1	42	395	666	683	2801
	De5	1201	104	23	1	1529	1051	918	511	4	2265	72	82	15	10	180	327	280	99	9	716	224	814	1056	6581
	De5-C	527	52	0	0	379	5085	771	176	18	4051	0	0	0	0	0	0	169	46	8	224	460	328	1541	6982
	De2	404	190	109	16	718	1183	527	185	9	1705	1691	655	272	21	2639	0	272	74	3	349	744	2005	8986	17147
	De2-C	663	355	105	5	1127	4020	2164	867	58	7089	0	12	19	5	36	0	250	101	3	334	1515	642	15119	25862
	De3	1160	254	55	3	1470	2295	880	268	9	3452	540	253	33	8	834	400	155	42	2	599	825	6443	12293	25914
	De3-C	508	131	47	1	486	7163	4449	1020	56	12689	174	133	25	25	537	0	229	237	3	470	1050	2788	6748	24587
	De4	66	20	18	6	110	424	509	149	12	894	0	0	1	1	1	147	14	2	1	153	153	2250	7053	10624
	De4-C	419	349	134	23	925	1103	579	285	40	2007	15	4	6	0	25	14	45	86	0	146	273	1547	4530	9452
	De5	163	130	210	6	509	565	1654	758	12	2989	1593	611	115	36	2354	0	185	307	19	511	1036	2774	6600	16773
	De5-C	95	259	40	0	394	447	440	705	97	1689	0	0	0	0	0	0	47	10	0	57	1024	359	934	4457
	De6	1045	190	66	3	1303	3466	653	183	13	4315	298	82	27	2	409	118	66	89	4	277	212	2264	29950	38730
	De6-C	67	73	24	0	164	767	635	147	13	1562	0	0	0	0	0	0	0	61	0	61	125	272	34263	36447
	Fwy	599	49	10	1	658	2208	3559	427	39	6234	0	23	0	0	23	0	65	7	0	72	2412	15625	0	25024
	Fwy-C	304	66	50	5	425	6749	1508	749	21	9026	211	153	15	1	360	0	0	44	4	48	1974	9835	6584	28253

TABLE IV. THE COASTAL AND THE INTERIOR

UTM #	UTZ	Deciduous					Broadleaf Evergreen					Conifers					Palms					SRB	G-COV	GRS	TOTAL	
		D10A	D5A	D3A	D1A	DEC	G10A	G5A	G3A	G1A	GRN	C10A	C	C5A	C1A	CON	P10A	P5A	P3A	P1A	PLM					
SUMMARY 2																										
	A1	159	247	95	2	503	1270	869	250	9	2399	36	59	37	10	143	0	102	122	14	238	299	290	786	4638	
	Dc2	1219	165	19	1	1405	3058	722	271	21	4072	279	141	38	3	461	491	590	150	17	1248	334	414	2973	10906	
	Dc3	1110	437	61	3	1611	2381	1068	338	18	3806	235	131	31	27	424	97	251	93	7	449	821	2143	11296	20548	
	Dc4	188	127	24	1	340	561	304	165	4	1234	192	82	2	2	278	0	4	27	2	34	148	1315	654	4002	
	Dc5	1201	104	23	1	1329	1031	918	311	4	2263	72	82	15	10	180	327	280	99	9	716	224	814	1056	6581	
	Do2	404	190	109	16	718	1183	327	185	9	1705	1691	655	272	21	2639	0	272	74	3	349	744	2005	8986	17147	
	Do3	1160	254	33	3	1470	2295	880	268	9	3452	540	233	33	8	834	400	155	42	2	399	325	6443	12293	23914	
	Do4	66	20	18	6	110	424	309	149	12	894	0	0	1	1	1	147	14	2	1	163	153	2250	7033	10624	
	Do5	163	130	210	6	509	565	1654	758	12	2989	1593	611	115	36	2354	0	183	307	19	511	1036	2774	6600	16773	
	Do6	1045	190	66	3	1303	3466	653	183	13	4313	298	82	27	2	409	118	66	89	4	277	212	2264	29930	38730	
	Fwy	599	49	10	1	658	2208	3559	427	39	6234	0	23	0	0	23	0	65	7	0	72	2412	15623	0	23024	
INTERIOR		665	174	62	4	905	1677	1042	300	14	3033	449	193	52	11	704	144	180	92	7	423	655	3303	7422	16446	
	A1-C	120	33	7	0	161	1120	448	301	41	2111	0	0	0	0	0	0	259	537	63	839	29	35	3631	6826	
	Dc2-C	31	44	10	1	86	1350	3027	440	34	4851	0	44	0	3	46	0	349	103	10	462	237	794	3700	10176	
	Dc3-C	473	282	56	2	814	1927	1248	594	19	3789	64	82	32	16	194	36	163	93	5	298	641	1923	11868	19528	
	Dc4-C	167	49	4	0	220	186	287	267	2	741	33	10	8	2	34	0	37	4	1	42	393	666	683	2801	
	Dc5-C	327	52	0	0	379	3083	771	176	18	4031	0	0	0	0	0	0	169	46	8	224	460	328	1541	6982	
	Do2-C	663	355	105	3	1127	4020	2164	867	38	7089	0	12	19	3	36	0	230	101	3	334	1313	642	15119	23862	
	Do3-C	308	131	47	1	486	7163	4449	1020	56	12689	174	133	23	23	337	0	229	237	3	470	1050	2788	6748	24387	
	Do4-C	419	349	134	23	925	1103	379	285	40	2007	15	4	6	0	23	14	43	86	0	146	273	1547	4330	9452	
	Do5-C	95	259	40	0	394	447	440	703	97	1689	0	0	0	0	0	0	47	10	0	37	1024	339	934	4437	
	Do6-C	67	73	24	0	164	767	633	147	13	1562	0	0	0	0	0	0	0	0	0	61	0	123	272	34263	36447
	Fwy-C	304	66	50	5	423	6749	1308	749	21	9026	211	133	15	1	360	0	0	44	4	48	1974	9835	6584	28235	
COASTAL		270	154	43	3	471	2538	1414	323	34	4310	43	38	10	3	97	3	139	120	9	273	702	1744	8146	13943	

TABLE V. THE OLD AND THE NEW AREAS

UTM #	UTZ	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	PLM	
385/3735	A1	3	3	2	1	9	7	16	52	20	95	0	0	0	0	0	0	12	39	6	58	162
465/3760	A1	1	4	9	3	16	10	54	35	7	106	1	7	4	1	12	0	4	43	37	84	218
Average	A1	2	4	5	2	13	8	35	43	13	101	0	3	2	0	6	0	8	41	22	71	190
365/3780	A1-59	7	41	34	7	89	25	91	64	30	209	0	2	16	27	45	0	0	9	34	43	386
380/3765	A1-59	0	2	3	1	6	5	17	22	9	53	0	0	0	1	1	0	1	11	1	13	72
390/3735	A1-59	0	0	0	0	0	21	30	90	85	225	0	0	0	0	0	0	14	113	155	282	507
395/3775	A1-59	0	4	8	0	12	25	15	21	2	63	1	3	1	23	28	0	16	6	0	23	125
Average	A1-59	2	12	11	2	27	19	38	49	31	137	0	1	4	13	19	0	8	35	48	90	273
350/3785	De2	6	4	7	5	21	6	12	4	5	26	5	0	0	4	8	0	2	18	0	20	76
385/3735	De2	0	3	4	4	12	13	36	80	90	219	0	0	0	0	0	0	9	26	31	66	298
400/3740	De2	0	0	0	0	0	0	583	133	117	833	0	0	0	0	0	0	0	0	0	0	833
465/3755	De2	9	13	2	5	29	68	103	74	30	275	24	38	31	22	115	0	11	38	2	52	470
470/3770	De2	25	25	0	0	50	100	25	125	0	250	0	0	0	0	0	50	175	100	150	475	775
Average	De2	8	9	3	3	23	37	152	83	48	321	6	8	6	5	25	10	40	36	37	123	491
360/3765	De2-59	0	3	0	0	3	57	74	22	0	154	0	11	0	0	11	0	51	0	0	51	219
370/3745	De2-59	2	2	0	0	4	9	40	34	0	82	0	0	0	0	0	0	4	0	0	4	90
370/3780	De2-59	16	8	0	0	24	30	41	57	141	268	0	0	0	0	0	0	11	0	0	11	303
375/3765	De2-59	0	4	2	0	6	2	18	20	8	47	0	0	0	0	0	0	0	4	14	18	72
375/3780	De2-59	24	7	10	3	45	66	34	28	34	162	0	0	0	0	0	0	3	10	3	17	224
380/3765	De2-59	0	7	0	0	7	9	17	0	0	27	0	7	0	0	7	0	25	0	0	25	66
385/3785	De2-59	44	0	0	0	44	31	44	0	0	75	0	13	13	0	25	0	13	0	0	13	156
390/3735	De2-59	0	3	2	0	6	6	38	43	8	95	0	0	0	17	17	0	25	47	35	106	224
Average	De2-59	11	4	2	0	17	26	38	25	24	114	0	4	2	2	8	0	16	8	7	31	169
340/3790	De3	34	30	0	0	64	13	30	83	0	126	6	6	17	34	64	0	6	0	0	6	261
345/3780	De3	8	19	13	5	46	28	92	79	34	232	0	0	0	39	39	0	5	12	14	30	348
355/3765	De3	0	2	2	0	4	16	31	15	0	62	0	5	0	4	9	0	3	0	0	3	79
360/3775	De3	3	28	45	0	76	15	45	37	15	113	6	3	6	39	54	0	1	8	3	12	255
370/3750	De3	2	50	19	2	73	10	54	133	38	235	0	0	0	38	38	0	2	15	0	17	363
370/3770	De3	8	34	17	25	85	42	331	62	136	570	0	0	8	56	64	0	0	109	3	112	831
375/3730	De3	6	12	13	6	37	43	79	118	42	283	0	3	4	17	25	1	12	91	14	117	461
375/3745	De3	5	6	0	0	10	30	43	21	0	94	0	0	7	0	7	0	0	0	0	0	112
380/3735	De3	26	10	3	3	42	28	55	49	52	185	0	0	0	0	0	0	2	8	8	17	244
380/3745	De3	0	2	0	0	2	0	25	102	0	128	0	0	0	0	0	0	8	0	0	8	138
395/3735	De3	11	20	22	12	65	123	284	271	58	735	0	10	11	26	47	8	52	96	52	208	1056
395/3745	De3	0	17	0	0	17	6	26	18	0	50	0	0	0	10	10	0	2	0	0	2	79
400/3730	De3	1	1	1	1	4	24	73	58	18	173	0	2	3	4	9	0	4	17	23	44	230
400/3735	De3	5	17	22	7	52	15	84	86	10	194	1	3	1	4	8	0	8	9	1	19	273
400/3740	De3	9	12	2	2	25	69	79	0	0	147	0	0	3	8	10	1	16	22	8	47	229
405/3730	De3	0	1	5	0	6	10	55	45	30	140	0	0	21	42	64	0	0	0	2	2	211
405/3740	De3	1	7	10	0	17	5	52	117	40	214	0	0	23	28	51	0	0	8	0	8	290
410/3730	De3	0	10	5	2	17	18	60	108	97	283	0	0	0	0	0	0	0	3	5	9	309
410/3750	De3	0	17	0	0	17	0	113	92	0	205	0	5	29	52	86	0	8	0	0	8	316
410/3770	De3	17	25	6	0	48	28	100	77	0	205	0	15	0	6	21	0	13	0	0	13	286
410/3775	De3	7	20	5	0	32	18	37	24	0	79	5	7	2	0	13	1	5	2	0	7	131
415/3715	De3	0	3	0	0	3	8	0	0	0	8	0	0	0	0	0	0	14	6	0	20	32
415/3775	De3	19	22	0	0	42	42	82	76	0	199	0	0	25	0	25	2	30	0	0	32	298
420/3730	De3	25	45	32	13	115	43	75	142	5	265	2	3	6	144	155	1	9	17	4	31	566
420/3750	De3	0	13	4	0	17	13	24	20	0	58	0	1	3	14	18	0	4	4	0	8	100
425/3710	De3	0	6	0	0	6	10	24	50	19	103	0	0	0	0	0	0	5	3	0	8	117
425/3730	De3	2	2	5	0	8	20	83	71	17	192	0	5	3	5	14	0	9	15	6	29	243
425/3750	De3	11	8	9	0	28	45	114	86	183	429	0	0	0	0	0	0	11	20	0	31	487
425/3760	De3	0	0	0	3	3	0	0	4	16	19	0	0	0	12	12	0	0	0	4	4	38
430/3700	De3	0	10	0	0	10	0	145	348	138	631	0	0	0	0	0	0	0	0	0	0	642
430/3760	De3	0	0	1	1	2	0	4	12	34	49	0	0	0	5	5	0	0	0	0	0	57
435/3700	De3	4	44	5	0	53	9	52	77	14	153	0	30	5	26	61	0	9	0	0	9	275
435/3720	De3	0	16	0	0	16	7	87	61	0	155	0	0	0	0	0	0	0	0	0	0	170
435/3770	De3	16	48	20	0	84	41	41	30	80	193	0	0	0	0	0	0	5	4	0	9	286

TABLE V. THE OLD AND THE NEW AREAS

UTM #	UTZ	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	PLM	
440/3715	De3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
440/3775	De3	6	54	13	0	74	10	60	26	0	96	0	42	0	0	42	0	15	6	0	21	233
445/3760	De3	0	0	0	0	0	0	0	0	2	2	0	0	0	30	30	0	0	0	0	0	32
445/3770	De3	4	2	0	0	6	7	16	12	0	35	0	0	0	6	6	0	6	0	0	6	53
450/3745	De3	24	9	1	1	36	59	27	24	14	125	2	1	5	140	148	5	7	11	8	31	340
450/3755	De3	15	5	10	5	35	25	15	61	0	101	5	15	10	111	141	0	1	5	5	11	289
460/3770	De3	0	0	0	0	0	0	0	0	21	21	0	0	0	21	21	0	0	0	0	0	42
465/3745	De3	0	0	0	0	0	0	0	30	0	30	0	0	2	190	192	0	0	0	0	0	222
465/3760	De3	22	56	37	17	132	110	193	163	129	595	2	10	10	7	29	0	115	107	254	476	1232
470/3745	De3	0	6	3	5	14	6	14	23	13	57	0	7	0	0	7	0	0	7	1	8	86
470/3750	De3	2	6	7	1	16	5	33	14	8	59	1	1	3	12	17	0	0	9	1	10	102
470/3755	De3	9	11	22	5	47	8	11	35	3	57	2	3	9	83	96	1	2	1	1	4	204
470/3765	De3	29	24	10	3	66	15	49	24	4	93	0	0	0	27	27	0	6	30	8	43	229
475/3755	De3	43	22	13	7	85	15	4	70	0	89	7	13	17	74	111	9	2	13	7	30	315
475/3775	De3	12	14	21	13	60	42	84	195	16	337	4	0	0	70	73	0	6	37	4	47	517
480/3755	De3	44	33	0	0	77	16	0	22	27	66	11	11	0	11	33	1	2	5	0	9	185
480/3765	De3	43	42	13	3	101	79	60	29	23	191	3	2	6	55	66	8	50	20	14	91	450
Average	De3	9	17	8	3	37	23	60	65	26	174	1	4	5	28	38	1	9	14	9	32	281
360/3780	De3-59	55	121	38	8	222	38	90	86	121	334	0	0	0	66	66	0	8	10	15	33	655
360/3790	De3-59	42	35	0	0	77	0	0	0	0	0	3	27	15	43	88	2	9	2	0	13	178
370/3765	De3-59	1	0	0	0	1	13	23	16	9	62	0	0	0	8	8	0	4	16	22	42	113
380/3770	De3-59	3	10	2	4	19	17	54	41	13	125	0	0	0	16	16	0	13	41	5	59	219
385/3750	De3-59	8	11	0	0	19	16	37	41	0	94	0	2	0	0	2	0	6	0	0	6	121
385/3770	De3-59	8	13	10	6	38	8	30	26	7	71	0	0	0	16	16	0	5	12	1	18	142
390/3775	De3-59	3	4	0	0	8	54	66	34	0	153	0	10	0	0	10	20	134	0	0	155	325
395/3750	De3-59	5	4	0	0	9	20	17	25	0	62	0	3	0	0	3	0	2	0	0	2	77
395/3780	De3-59	30	21	0	0	52	58	79	145	0	282	12	39	24	61	136	0	45	0	0	45	515
400/3775	De3-59	38	38	0	0	77	138	0	0	0	138	0	0	0	0	0	0	0	0	0	0	215
460/3755	De3-59	6	36	54	12	108	169	145	145	0	458	48	60	0	133	241	0	12	24	0	36	843
470/3775	De3-59	13	69	8	2	92	62	71	60	27	219	15	13	0	0	29	0	4	8	0	12	352
Average	De3-59	18	30	9	3	60	49	51	52	15	167	7	13	3	28	51	2	20	9	4	35	313
Ant Val B	De3-NA	8	79	61	0	147	37	61	163	0	261	39	95	89	447	671	0	0	0	0	0	1079
AntVal A	De3-NA	41	23	188	19	270	5	7	18	0	30	5	15	47	73	141	0	0	3	3	5	446
PimSpr A	De3-NA	0	0	0	0	0	33	46	63	147	289	0	0	0	0	0	23	76	36	15	150	439
PimSpr D	De3-NA	5	3	0	0	8	65	129	80	192	465	0	0	0	0	0	0	65	79	62	205	679
PimSpr E	De3-NA	0	0	0	0	0	389	233	278	361	1261	0	0	0	0	0	0	194	222	389	806	2067
370/3790	De4	21	63	0	0	84	32	111	21	0	163	0	16	0	0	16	0	0	0	0	0	263
380/3735	De4	0	1	0	0	1	2	14	8	4	27	0	0	0	0	0	0	0	0	2	2	29
385/3745	De4	0	0	0	0	0	6	19	21	0	46	0	0	0	0	0	0	0	0	0	0	46
400/3750	De4	0	5	0	0	5	0	7	20	0	27	0	16	0	0	16	0	2	0	0	2	51
405/3745	De4	0	0	0	0	0	11	21	18	0	49	0	0	2	0	2	0	0	0	0	0	51
410/3720	De4	12	0	0	0	12	0	38	157	0	195	0	0	0	0	0	0	12	0	0	12	219
420/3730	De4	0	0	0	0	0	3	22	35	11	72	0	0	5	2	8	0	0	4	3	8	88
420/3745	De4	0	0	21	0	21	5	0	67	0	71	33	24	0	0	57	0	0	0	0	0	150
430/3765	De4	8	6	0	0	13	9	12	11	3	35	0	1	1	14	17	0	0	0	0	0	65
455/3760	De4	0	0	1	0	1	0	4	1	0	5	0	0	0	0	0	0	0	0	0	0	6
Average	De4	4	7	2	0	14	7	25	36	2	69	3	6	1	2	12	0	1	0	0	2	97
375/3770	De4-59	1	4	4	0	8	8	10	20	14	52	0	0	0	12	12	0	0	9	21	30	103
380/3775	De4-59	0	3	5	7	15	3	20	21	24	68	1	0	0	1	2	0	0	1	4	4	89
385/3765	De4-59	0	0	4	1	5	0	2	3	8	13	0	0	0	2	2	0	0	2	10	12	31
390/3745	De4-59	0	0	0	0	0	2	2	5	0	9	0	0	0	0	0	0	0	0	0	0	9
390/3750	De4-59	0	11	0	0	11	0	4	5	0	9	0	0	0	0	0	0	1	0	0	1	21
390/3765	De4-59	0	4	4	1	10	6	55	10	8	79	0	0	0	0	0	0	0	37	4	41	130
390/3770	De4-59	1	1	1	4	8	1	14	46	8	69	0	1	0	0	1	0	0	0	1	1	80
400/3765	De4-59	1	2	1	0	4	2	17	6	4	29	0	0	0	4	5	0	0	2	0	2	40
400/3770	De4-59	2	3	5	1	11	9	22	63	3	97	0	0	0	6	7	0	0	3	1	4	120
405/3775	De4-59	0	0	0	0	0	15	66	20	0	101	0	0	0	0	0	0	0	0	0	0	101

TABLE V. THE OLD AND THE NEW AREAS

UTM #	UTZ	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	PLM	
410/3735	Do4-59	3	5	4	0	13	4	3	33	0	40	3	4	3	16	26	0	0	0	0	0	78
Average	Do4-59	1	3	3	1	8	5	19	21	6	51	0	0	0	4	5	0	0	5	4	9	73
370/3735	De5	0	0	0	0	0	100	50	0	0	150	0	0	0	0	0	0	0	0	0	150	
375/3730	De5	0	0	0	0	0	0	6	3	3	12	0	0	0	0	0	0	9	6	15	27	
380/3735	De5	17	8	0	0	25	42	83	83	83	292	0	0	0	0	0	17	8	33	58	375	
405/3770	De5	2	9	2	0	12	14	38	36	0	88	0	0	0	14	14	0	0	3	0	117	
420/3730	De5	0	2	0	0	2	16	18	13	4	51	0	0	0	0	0	18	9	2	29	82	
445/3745	De5	17	3	1	0	21	16	36	35	16	103	2	0	0	8	10	0	4	17	9	165	
465/3760	De5	2	19	14	0	36	20	67	52	14	154	0	2	1	4	7	0	38	40	68	343	
470/3770	De5	100	0	0	0	100	0	50	100	0	150	0	0	0	0	0	50	100	50	0	450	
480/3755	De5	31	29	14	8	82	10	31	55	0	96	4	12	4	55	76	0	2	12	10	240	
Average	De5	19	8	3	1	31	24	42	42	13	122	1	2	1	9	12	6	20	17	14	221	
365/3790	De5-59	7	0	0	0	7	15	24	30	0	70	2	20	9	0	30	0	22	0	0	128	
380/3775	De5-59	0	0	0	0	0	0	50	14	0	63	0	0	0	0	0	0	0	0	0	63	
385/3775	De5-59	0	0	0	0	0	0	14	58	0	72	0	0	0	0	0	0	0	0	0	72	
385/3785	De5-59	25	0	0	0	25	33	92	0	0	125	0	0	0	0	0	0	0	0	0	150	
395/3770	De5-59	0	0	0	0	0	0	97	48	28	173	0	0	0	0	0	0	0	0	0	173	
415/3770	De5-59	0	0	0	0	0	22	30	47	0	98	0	12	0	0	12	0	0	0	0	110	
460/3755	De5-59	0	4	8	1	14	26	35	53	0	114	3	4	11	76	94	0	6	44	53	325	
Average	De5-59	5	1	1	0	6	14	49	36	4	102	1	5	3	11	20	0	4	6	8	146	
PimSpr A	De5-NA	0	0	0	0	0	22	31	51	45	149	0	0	0	0	0	0	106	55	37	198	
350/3790	Do2	16	54	41	0	111	54	19	19	0	92	19	24	0	0	43	0	19	0	0	19	265
370/3735	Do2	6	6	19	6	38	138	194	281	94	706	0	0	0	0	0	0	0	0	0	744	
380/3735	Do2	60	109	56	0	226	53	23	21	2	100	0	0	0	0	0	0	0	0	0	326	
400/3730	Do2	0	12	18	9	38	132	265	185	141	724	0	0	0	0	0	0	65	79	12	918	
400/3760	Do2	0	0	0	0	0	0	0	0	0	0	146	195	189	102	633	0	0	0	0	633	
405/3730	Do2	0	0	0	0	0	19	74	48	16	158	0	0	0	0	0	0	6	48	16	229	
405/3740	Do2	0	0	0	0	0	0	93	267	73	433	0	0	0	0	0	0	0	0	0	433	
415/3750	Do2	0	0	4	2	5	18	29	20	0	66	0	0	0	0	0	0	9	0	0	80	
420/3745	Do2	0	0	0	10	10	0	0	57	30	87	0	0	67	0	67	0	40	33	10	247	
430/3715	Do2	0	9	0	0	9	9	14	28	0	52	0	0	5	0	5	0	28	0	0	94	
445/3775	Do2	0	1	1	54	56	0	11	7	51	70	0	0	0	0	0	0	0	0	0	126	
455/3770	Do2	5	14	18	5	41	23	23	59	0	105	0	0	0	91	91	0	18	14	14	282	
460/3750	Do2	20	6	0	0	26	26	24	6	0	56	6	35	9	2	52	0	11	20	0	165	
470/3765	Do2	0	3	60	95	158	0	28	43	14	85	2	12	43	17	74	0	14	17	3	351	
Average	Do2	8	15	15	13	51	34	57	74	30	195	12	19	22	15	69	0	15	15	4	349	
355/3780	Do2-59	7	19	30	26	81	32	100	162	79	373	0	0	0	11	11	0	0	0	0	465	
365/3760	Do2-59	0	2	0	0	2	21	142	28	0	191	0	5	20	9	35	0	6	0	0	233	
370/3760	Do2-59	2	6	11	13	31	56	87	84	32	259	0	0	0	39	39	0	0	1	2	332	
Average	Do2-59	3	9	14	13	38	36	110	91	37	274	0	2	7	20	28	0	2	0	1	344	
AntVal B	Do2-NA	0	0	0	183	183	0	0	122	0	122	0	17	22	0	39	0	0	0	0	344	
PimSpr B	Do2-NA	4	4	0	0	8	13	63	75	104	254	0	0	0	0	0	0	21	83	83	188	
PimSpr C	Do2-NA	0	6	15	32	53	79	68	81	104	332	0	0	0	0	0	0	72	86	95	252	
PimSpr E	Do2-NA	2	2	2	0	6	85	112	78	52	326	0	0	0	0	0	0	79	118	75	272	
350/3780	Do4	27	68	95	76	266	33	90	85	105	313	0	0	0	0	0	0	0	0	0	579	
370/3750	Do4	0	30	1	0	31	3	30	26	19	78	0	0	0	0	0	0	0	5	0	113	
405/3730	Do4	3	4	4	0	12	20	30	49	38	137	0	0	0	0	0	1	8	18	0	176	
405/3735	Do4	2	4	6	8	20	25	16	66	58	165	1	1	5	0	8	0	0	1	1	3	
415/3735	Do4	0	0	8	95	103	4	4	2	83	92	0	0	0	0	0	0	5	50	0	54	
415/3745	Do4	3	0	0	0	3	5	18	6	12	42	0	0	0	0	0	0	0	2	1	4	
415/3760	Do4	0	2	10	8	20	1	12	45	20	79	0	0	0	3	3	0	0	0	0	101	
420/3745	Do4	0	0	0	0	0	0	3	39	33	75	0	0	0	3	3	0	0	0	0	78	
420/3760	Do4	1	3	2	7	12	2	13	7	13	35	0	0	0	0	0	0	0	0	0	47	
425/3765	Do4	5	3	10	6	23	24	44	15	34	117	0	0	1	1	2	0	0	0	0	141	

TABLE V. THE OLD AND THE NEW AREAS

UTM #	UTZ	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	PLM	
430/3720	Do4	0	1	0	0	1	2	16	59	0	77	0	0	0	0	0	0	0	0	0	0	78
430/3770	Do4	0	0	0	0	1	4	32	34	16	85	0	0	0	0	0	0	0	0	0	0	86
435/3760	Do4	0	2	0	54	57	0	0	4	24	28	0	0	0	0	0	0	0	0	0	0	85
440/3770	Do4	0	0	3	3	6	0	3	2	3	8	0	0	0	0	0	0	0	0	0	0	14
495/3760	Do4	0	0	0	0	0	16	16	0	0	31	0	0	0	0	0	19	6	0	6	31	63
Average	Do4	3	8	9	17	37	9	22	29	31	91	0	0	0	0	1	1	1	5	1	8	137
375/3750	Do4-59	0	0	0	0	0	0	8	14	0	21	0	0	0	0	0	0	1	0	0	1	22
335/3790	Do5	19	22	0	0	41	5	44	19	0	67	0	4	0	0	4	0	0	0	0	0	112
400/3730	Do5	2	2	12	0	16	18	61	57	16	153	0	0	0	0	0	0	0	0	0	0	169
405/3730	Do5	0	0	1	0	1	4	9	49	39	101	0	0	0	0	0	0	10	6	0	15	118
405/3740	Do5	0	0	9	0	9	0	0	214	418	632	0	0	0	0	0	0	0	0	0	0	641
410/3760	Do5	0	1	1	3	5	4	52	51	17	123	0	0	0	0	0	0	0	0	0	0	128
425/3770	Do5	0	0	0	8	8	0	0	6	4	10	0	0	0	0	0	0	0	6	2	8	26
435/3715	Do5	3	51	0	0	54	0	20	79	23	121	0	0	0	0	0	0	0	0	0	0	175
445/3770	Do5	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
465/3755	Do5	0	34	266	60	360	31	11	66	23	131	0	46	111	29	186	0	0	3	0	3	680
465/3775	Do5	0	0	0	0	0	0	0	6	91	97	0	0	0	0	0	0	0	0	0	0	97
470/3765	Do5	0	0	0	0	0	25	0	13	3	41	0	0	0	0	0	0	22	134	34	191	231
Average	Do5	2	10	26	7	45	8	18	51	58	134	0	5	10	3	17	0	3	14	3	20	217
360/3790	Do5-59	0	2	0	0	2	0	12	19	0	31	0	0	0	13	13	0	2	0	0	2	48
460/3755	Do5-59	0	0	0	0	0	0	639	787	0	1426	183	230	35	370	817	0	61	248	178	487	2730
Average	Do5-59	0	1	0	0	1	0	326	403	0	729	91	115	17	191	415	0	31	124	89	245	1389
PimSpr B	Do5-NA	0	0	0	0	1	19	50	48	23	138	0	0	0	0	2	0	43	75	77	195	336
345/3790	Do6	10	10	0	0	19	3	23	0	0	26	0	0	0	0	0	0	0	0	0	0	45
370/3750	Do6	2	2	4	0	8	4	47	31	51	133	0	0	0	0	0	0	0	0	0	0	141
375/3790	Do6	13	5	10	8	36	18	26	15	28	87	8	3	0	3	13	0	0	0	0	0	136
390/3780	Do6	17	7	2	1	27	35	32	12	1	79	0	0	0	0	0	11	2	0	13	119	
395/3735	Do6	7	0	0	0	7	64	21	64	64	214	0	0	0	0	0	0	14	0	14	236	
400/3740	Do6	0	0	0	0	0	325	88	25	0	438	0	0	0	0	0	0	0	0	0	0	438
405/3730	Do6	0	2	2	0	4	1	44	22	0	67	0	0	0	0	0	0	0	0	0	0	72
420/3730	Do6	0	10	18	1	30	18	24	21	33	96	0	0	0	0	0	0	37	0	37	163	
420/3765	Do6	4	6	4	0	14	35	12	12	5	64	2	7	0	0	9	0	3	14	2	19	106
420/3770	Do6	0	0	0	0	0	0	13	0	0	13	0	0	0	0	0	0	0	0	0	0	13
420/3775	Do6	19	11	0	0	31	19	22	0	0	42	0	11	0	0	11	0	0	0	0	0	83
425/3730	Do6	0	3	10	0	13	10	62	36	23	132	0	0	0	0	0	0	0	0	0	0	145
425/3750	Do6	0	4	10	0	15	13	29	21	21	83	0	0	0	0	0	0	0	0	0	0	98
435/3715	Do6	0	9	0	0	9	14	34	19	0	68	0	0	0	0	0	0	0	0	0	0	77
445/3750	Do6	1	0	0	0	1	41	20	0	6	67	1	0	0	2	4	31	8	24	6	69	140
455/3750	Do6	3	0	8	0	11	6	2	128	57	193	0	0	0	0	0	0	1	1	0	2	207
465/3760	Do6	6	10	3	11	30	40	24	27	65	156	0	2	5	57	63	0	6	13	71	90	340
465/3770	Do6	39	13	24	5	82	21	24	32	26	103	0	0	0	0	0	0	0	53	0	53	237
475/3765	Do6	43	47	23	0	112	43	51	47	23	164	47	66	66	0	178	0	0	27	5	32	486
475/3775	Do6	4	29	0	2	35	0	0	9	0	9	0	0	5	0	5	0	2	31	4	36	85
480/3755	Do6	48	16	97	32	194	23	6	0	10	39	19	0	3	0	23	0	29	52	0	81	335
Average	Do6	10	9	10	3	32	35	29	25	20	108	4	4	4	3	15	2	3	13	4	21	176
355/3785	Do6-59	22	16	3	7	49	20	38	23	17	99	0	0	0	0	0	0	2	29	29	60	208
380/3750	Do6-59	2	0	0	0	2	25	21	19	0	65	0	0	0	0	0	0	0	0	0	0	67
395/3760	Do6-59	2	2	0	0	4	2	27	31	27	88	0	0	0	0	0	0	0	0	0	0	92
400/3775	Do6-59	0	0	0	0	0	4	28	3	5	40	0	0	0	0	0	0	0	23	0	23	64
405/3775	Do6-59	16	22	0	0	38	122	163	38	0	322	0	0	0	0	0	0	0	0	0	0	359
410/3745	Do6-59	12	5	0	0	17	61	24	15	7	107	0	0	0	0	0	0	0	0	0	0	124
410/3765	Do6-59	15	0	1	4	20	30	18	42	0	89	3	0	0	0	3	0	8	4	0	12	124
Average	Do6-59	10	6	1	2	19	38	46	24	8	116	0	0	0	0	0	0	1	8	4	14	148
AntVal A	Do6-NA	50	150	150	0	350	17	0	0	0	17	17	117	100	283	517	0	0	0	0	0	883

TABLE V. THE OLD AND THE NEW AREAS

UTM #	UTZ	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	PLM	
AntVal B	Do6-NA	75	47	69	0	191	1	0	0	0	1	116	44	1	0	161	0	0	0	0	0	353
PlmSpr C	Do6-NA	0	5	24	0	29	52	110	119	48	329	0	0	0	0	0	0	10	71	143	224	581
PlmSpr D	Do6-NA	8	51	26	3	87	51	141	122	83	397	0	0	0	0	0	0	0	19	32	51	536
PlmSpr E	Do6-NA	19	0	0	0	19	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	27

TABLE V. THE OLD AND THE NEW AREAS

UTM #	UTZ	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		D10T	D5T	D3T	D1T	DEC	G10T	G5T	G3T	G1T	GRN	C10T	C5T	C3T	C1T	CON	P10T	P5T	P3T	P1T	PLM	
SUMMARY I																						
A1		2	4	5	2	13	8	35	43	13	101	0	3	2	0	6	0	8	41	22	71	190
A1-59		2	12	11	2	27	19	38	49	31	137	0	1	4	13	19	0	8	35	48	90	273
Dc2		8	9	3	3	23	37	152	83	48	321	6	8	6	5	25	10	40	36	37	123	491
Dc2-59		11	4	2	0	17	26	38	25	24	114	0	4	2	2	8	0	16	8	7	31	169
Dc3		9	17	8	3	37	23	60	65	26	174	1	4	5	28	38	1	9	14	9	32	281
Dc3-59		18	30	9	3	60	49	51	52	15	167	7	13	3	28	51	2	20	9	4	35	313
Dc4		4	7	2	0	14	7	25	36	2	69	3	6	1	2	12	0	1	0	0	2	97
Dc4-59		1	3	3	1	8	5	19	21	6	51	0	0	0	4	5	0	0	5	4	9	73
Dc5		19	8	3	1	31	24	42	42	13	122	1	2	1	9	12	6	20	17	14	56	221
Dc5-59		5	1	1	0	6	14	49	36	4	102	1	5	3	11	20	0	4	6	8	18	146
Do2		8	15	15	13	51	34	57	74	30	195	12	19	22	15	69	0	15	15	4	34	349
Do2-59		3	9	14	13	38	36	110	91	37	274	0	2	7	20	28	0	2	0	1	3	344
Do5		2	10	26	7	45	8	18	51	58	134	0	5	10	3	17	0	3	14	3	20	217
Do5-59		0	1	0	0	1	0	326	403	0	729	91	115	17	191	415	0	31	124	89	245	1389
Do6		10	9	10	3	32	35	29	25	20	108	4	4	4	3	15	2	3	13	4	21	176
Do6-59		10	6	1	2	19	38	46	24	8	116	0	0	0	0	0	0	1	8	4	14	148

TABLE V. THE OLD AND THE NEW AREAS

UTM #	UTZ	Deciduous					Broadleaf-Evergreen					Conifers					Palms					TOTAL
		D1GT	D5T	D3T	D1T	DEC	G1GT	G5T	G3T	G1T	GRN	C1GT	C5T	C3T	C1T	CON	P1GT	P5T	P3T	P1T	PLM	
SUMMARY 2																						
	A1	2	4	5	2	13	8	35	43	13	101	0	3	2	0	6	0	8	41	22	71	190
	De2	8	9	3	3	23	37	152	83	48	321	6	8	6	5	25	10	40	36	37	123	491
	De3	9	17	8	3	37	23	60	65	26	174	1	4	5	28	38	1	9	14	9	32	281
	De4	4	7	2	0	14	7	25	36	2	69	3	6	1	2	12	0	1	0	0	2	97
	De5	19	8	3	1	31	24	42	42	13	122	1	2	1	9	12	6	20	17	14	56	221
	De2	8	15	15	13	51	34	57	74	30	195	12	19	22	15	69	0	15	15	4	34	349
	De5	2	10	26	7	45	8	18	51	58	134	0	5	10	3	17	0	3	14	3	20	217
	De6	10	9	10	3	32	35	29	25	20	108	4	4	4	3	15	2	3	13	4	21	176
	NEW	8	10	9	4	31	22	52	52	26	153	3	6	6	8	24	2	12	19	12	45	253
	A1-59	2	12	11	2	27	19	38	49	31	137	0	1	4	13	19	0	8	35	48	90	273
	De2-59	11	4	2	0	17	26	38	25	24	114	0	4	2	2	8	0	16	8	7	31	169
	De3-59	18	30	9	3	60	49	51	52	15	167	7	13	3	28	51	2	20	9	4	35	313
	De4-59	1	3	3	1	8	5	19	21	6	51	0	0	0	4	5	0	0	5	4	9	73
	De5-59	5	1	1	0	6	14	49	36	4	102	1	5	3	11	20	0	4	6	8	18	146
	De2-59	3	9	14	13	38	36	110	91	37	274	0	2	7	20	28	0	2	0	1	3	344
	De5-59	0	1	0	0	1	0	326	403	0	729	91	115	17	191	415	0	31	124	89	245	1389
	De6-59	10	6	1	2	19	38	46	24	8	116	0	0	0	0	0	0	1	8	4	14	148
	OLD	6	8	5	3	22	23	85	88	16	211	12	18	5	34	68	0	10	24	20	55	357

APPENDIX B

ILLUSTRATIONS OF URBAN TERRAIN ZONES

COURTESY OF DR. RICHARD ELLEFSEN

GEOGRAPHY DEPARTMENT

SAN JOSE STATE UNIVERSITY

<p style="text-align: center;">Plan View</p> <p style="text-align: center;">Urban Terrain Zone A4: Attached Buildings, Industrial/Storage</p>	<p style="text-align: center;">Typical Area</p>
<p style="text-align: center;">Description</p> <p>Zone A4: Attached buildings, industrial/storage. An area of factories is found near the core area (some have been removed in extensive urban redevelopment projects and replaced by modern facilities, such as sports stadia, parks, or monuments). Buildings are either brick construction or framed, heavy clad.</p>	<p style="text-align: center;">Photograph</p>

<p style="text-align: center;">Plan View</p> <p style="text-align: center;">Urban Terrain Zone A5: Attached Commercial Buildings on String Streets</p>	<p style="text-align: center;">Typical Area</p>
<p style="text-align: center;">Description</p> <p>Zone A5: Old commercial ribbons. High land values have resulted in placing attached buildings along arterials extending outward from city core areas. Much lower land values immediately behind permit detached houses. Commercial buildings facing the street are often older, brick structures; houses behind reflect the dominant residential construction form, either mass or framed.</p>	<p style="text-align: center;">Photograph</p>

<p style="text-align: center;">Plan View</p> <p style="text-align: center;">Urban Terrain Zone Dc1: Redeveloped Core Area</p> <p style="text-align: center;">Super Blocks</p>	<p style="text-align: center;">Typical Area</p>
<p style="text-align: center;">Description</p> <p>Zone Dc1: Redeveloped core area. Buildings, usually free-standing, are modern in style. Construction is framed light-clad; cladding varies according to fashion and ranges from all glass to polished thin granite veneer.</p>	<p style="text-align: center;">Photograph</p>

<p style="text-align: center;">Plan View</p> <p style="text-align: center;">Urban Terrain Zone Dc2: Close-set Apartment Buildings</p>	<p style="text-align: center;">Typical Area</p>
<p style="text-align: center;">Description</p> <p>Zone Dc2: Apartments, close-set. Lower land values permit lower building density. Construction type reflects regional modes.</p>	<p style="text-align: center;">Photograph</p>

<p>Plan View</p> <p>Urban Terrain Zone Dc3: Close-Set Detached Houses</p>	<p>Typical Area</p>
<p>Description</p> <p>Zone Dc3: Detached, close-set houses. This class comprises both pre-automobile areas and modern city-edge developments occupying high-value land. Construction type varies with local preferences.</p>	<p>Photograph</p>

<p>Plan View</p> <p>Urban Terrain Zone Dc4: Railroad/dock Related Industrial Storage</p>	<p>Typical Area</p>
<p>Description</p> <p>Zone Dc4: Rail/dock related industrial/storage. Served by linear transportation lines, the buildings have little space between them (often only enough for a railroad siding). Several construction modes are seen including mass construction forms of brick and concrete and framed structures, especially those clad with corrugated steel.</p>	<p>Photograph</p>

<p style="text-align: center;">Plan View</p> <p style="text-align: center;">Urban Terrain Zone Dc5: Close-Set Commercial String Street</p>	<p style="text-align: center;">Typical Area</p>
<p style="text-align: center;">Description</p> <p>Zone Dc5: Close-set commercial ribbons. Commercial businesses are along major arterials but have a variety of situations. Some older structures are attached while some newer ones have street setbacks and parking lots. Construction type is mixed, ranging from brick and concrete to wood framing.</p>	<p style="text-align: center;">Photograph</p>

<p style="text-align: center;">Plan View</p> <p style="text-align: center;">Urban Terrain Zone Dc8: Outer City</p>	<p style="text-align: center;">Typical Area</p>
<p style="text-align: center;">Description</p> <p>Dc8: Outer city. Planned units of shopping, offices, hotels, and often apartments resembling fully created downtowns placed in suburbia at points of high accessibility (as at a major highway interchange) or at airports, e.g., LAX, Los Angeles. Construction type is recent, framed, light-clad.</p>	<p style="text-align: center;">Photograph</p>

<p>Plan View Urban Terrain Zone Do3: Open Set Houses</p>	<p>Typical Area</p>
<p>Description</p> <p>Zone Do3: Detached, open-set houses. Houses have high enough value to support abundant surrounding space around them. Construction type varies with local modes.</p>	<p>Photograph</p>

<p>Plan View Urban Terrain Zone Do4: Open Set Detached Industrial/Storage</p> <p>PRINCIPAL BOULEVARD</p>	<p>Typical Area</p>
<p>Description</p> <p>Zone Do4: Detached buildings, industrial/storage. Ample space exists for employee parking, storage of raw materials or products, and landscaping. Often found in "industrial parks (estates)," where buildings are uniformly spaced. Construction form is often mass "tilt-up."</p>	<p>Photograph</p>

<p>Plan View</p> <p>Urban Terrain Zone Do5: Large Unit Commercial Ribbon</p>	<p>Typical Area</p>
<p>Description</p> <p>Zone Do5: Detached buildings, new commercial ribbons. Found along major, wide commercial arteries. Buildings contain several stores served by a combined parking lot, sometimes surrounding the buildings. Construction is varied; some are framed, some mass.</p>	<p>Photograph</p>

<p>Plan View</p> <p>Urban Terrain Zone Do6: Administrative/Cultural</p>	<p>Typical Area</p>
<p>Description</p> <p>Zone Do6: Administrative/cultural. Structures are wide separated and placed in accordance with a master plan, e.g., a university campus. Construction varies with the age of the facility; older institutions will often exhibit both old and new forms.</p>	<p>Photograph</p>