

INTERNAL REPORT 97
VEGETATION AND STEM MAPPING OF WATERSHED 10
H. J. ANDREWS EXPERIMENTAL FOREST

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VEGETATION AND STEM MAPPING OF WATERSHED NO. 10,

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ABSTRACT: Stem mapping of all trees greater than 15 cm dbh has been completed on the 10.24 hectare watershed (No. 10) at H. J. Andrews intensive study site. Using a 25 m grid system, mapping of vegetation into 7 plant communities and then into 4 habitat types has also been completed. Descriptions of these communities based on field notes and extrapolation from reference stands located in the Andrews Experimental Forest are included along with structural characteristics of the communities and habitat types. Size class distributions of living trees greater than 15 cm dbh are also included for the whole watershed, for communities, and for habitat types.

INTRODUCTION: Watershed 10 has been selected for current modeling efforts of the IBP Coniferous Forest Biome project at the Oregon intensive study site, H. J. Andrews Experimental Forest. This report supplies a necessary input for calculating standing crop of vegetation in all strata from trees to mosses. A community description approach has been used with tables and appendices furnishing data concerning trees, shrubs, herbs and mosses occurring within the watershed.

Watershed 10 contains representatives of communities common to the lower elevation regions of the Tsuga heterophylla Zone of Franklin and Dyrness (1969). Within watershed 10 7 communities are identified, which are discussed below. Major emphasis of this report is placed on description of the vegetation. Some comparisons of communities with each other and with other portions of the Tsuga heterophylla Zone near the H. J. Andrews Experimental Forest are also included.

Watershed 10 is a 10.24 hectare watershed that drains to the west. It is located near to but outside of the southwestern boundary of the Experimental Forest. The elevation of the watershed ranges from 1425 feet (435 m) to 2,275 feet (695 m). The entire watershed lies within the Tsuga heterophylla Zone of Franklin and Dyrness.

METHODS: Preliminary surveying of watershed 10 with staff compass, chains and Abney levels was completed in 1970. During this surveying three base lines running north and south were established at equal intervals within the watershed. These base lines served as reference points during the establishment of a 25 m grid system in 1971-1972. Using staff compass, chains, and Abney levels, the 25 m grid system was established with correction for slope over the entire watershed (figure 1). During spring, 1972, aluminum corner stakes were installed and labeled to mark the 25 meter grid corners. Grid sections were numbered, for referencing positions in the watershed.

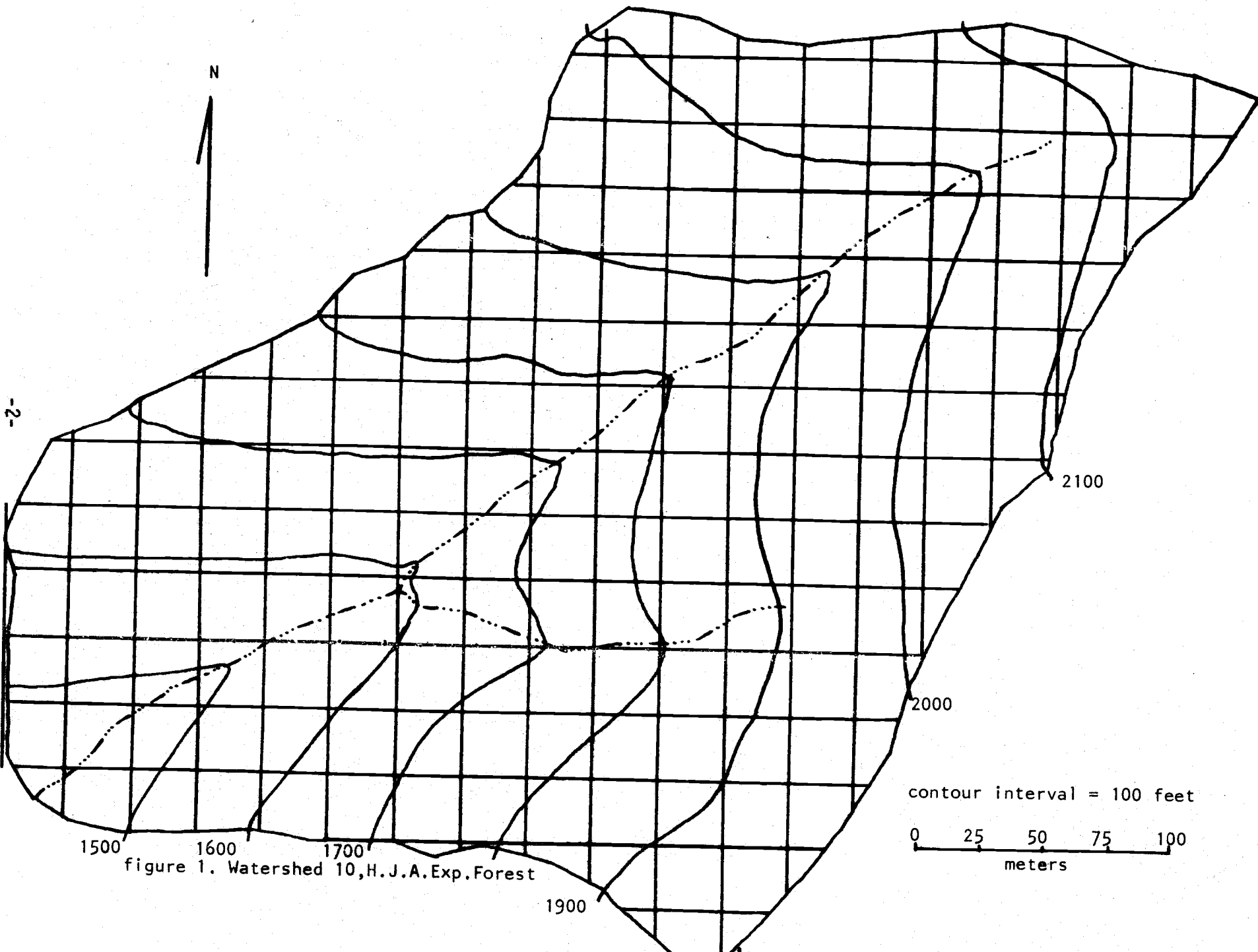


figure 1. Watershed 10, H.J.A. Exp. Forest

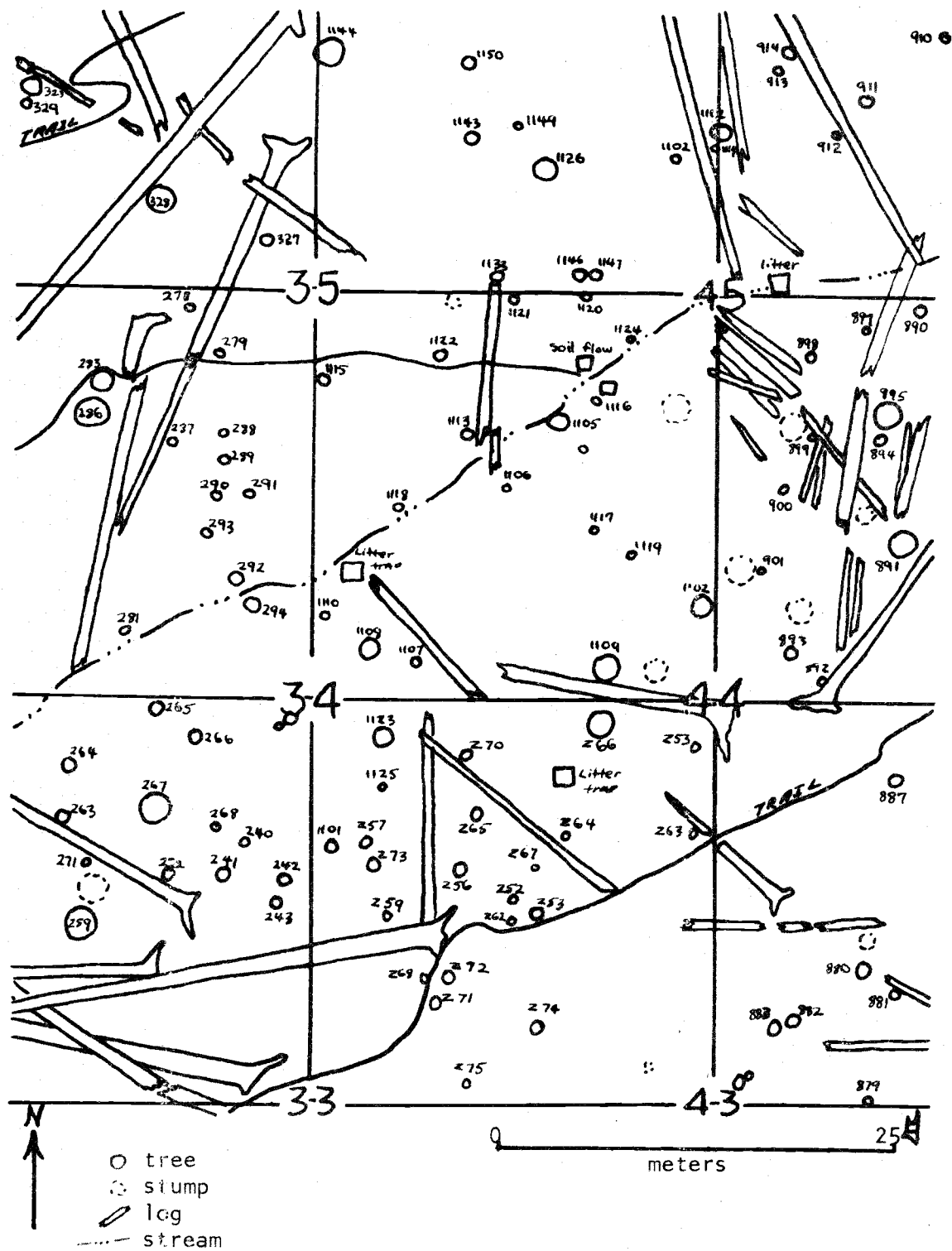


figure 2. sample section of stem map, Watershed 10, H.J.A. Exp. For.

During spring and early summer, 1972, stem mapping was completed on all trees with a diameter breast high (dbh) of 15 cm or greater, and each tree was marked with an aluminum number tag. Stem mapping included the recording of tree species, dbh, grid section number, x and y coordinates within the watershed, and notes on the vigor and crown condition of each tree over 15 cm dbh. Stem mapping was completed by one or more teams of two people. Using this method, it is felt that most trees are within 1-2 meters of their actual location, however, this is harder to assess on steeper slopes. In addition to the standing crop measurements, data were recorded on downed logs and stumps within the watershed. An attempt was made to accurately locate logs and stumps on the stem map. A portion of the stem map is shown in figure 2. The finished stem map was photoreduced to a workable size and used as base maps for several investigations during the summer of 1972. A limited number of copies of the stem maps are available on request. During early stem mapping and throughout the summer and fall optical dendrometer crews made linear measurements on trees, including heights within watershed 10 and reference stands in the H. J. Andrews.

Vegetation mapping was started in early summer, 1972, using a reconnaissance technique and an open legend mapping system. Species and cover class combinations were listed for four strata within each spatially delimited area. The 4 strata include; 1) the mature overstory canopy (primary tree strata) which included mature to old-growth trees of any species, 2) the understory tree stratum (secondary tree stratum) containing young second-growth and older reproductive sapling size classes of species normally obtaining tree stature in the community, 3) the tall shrub stratum, and 4) the low shrub stratum. Herbaceous species were noted in a few instances where it was felt this information would be helpful in final classification of the map unit to a community or habitat type.

Cover of species within the four strata mentioned above was estimated using a series of cover classes adapted from Daubenmire (1959) as follows: 0 = 0% cover, 1 = 1-5% cover, 2 = 6-25% cover, 3 = 26-50%, 4 = 51-75% cover, 5 = 76-95% cover, and 6 = 96-100% cover. The major plants in each stratum were listed in order of dominance followed by a single digit indicative of the combined cover class of that stratum within the map unit. An example of a map symbol follows:

235

Psme 1
Tshe - Cach 3
Rhma 4
Gash - Bene 4

where Psme, Tshe, Cach, Rhma, Gash, and Bene are alpha codes for Pseudotsuga menziesii, Tsuga heterophylla, Castanopsis chrysophylla, Rhododendron macrophyllum, Gaultheria shallon, and Berberis nervosa,

respectively (Garrison, Skovlin, and Poulton, 1967). Note that there are four lines in this symbol. Each line represents a different stratum within the individual map unit (number 235 in this case). The single digit following each line in the symbol indicate the combined cover class of the vegetation within that stratum. For example, line two in the above symbol reads "Tshe - Cach 3". This means that the secondary tree stratum of this map unit consists of between 25 and 50 percent cover that is made up of both Tsuga heterophylla second growth or reproductive size classes and Castanopsis chrysophylla. Since T. heterophylla precedes C. chrysophylla it is known that the cover of Tsuga is greater than that of Castanopsis. Individual map units were identified visually and delimited on the stem map by using the numbered aluminum tags on trees and grid corners as reference points. A sample of the vegetation map is shown in figure 3. At the completion of mapping 414 individual vegetation map units had been delineated on the map (Appendix V).

Calculations of area of and delineations and percentages of cover within them were facilitated by the use of an electric grid counting device. Counts included 32,700 points within the watershed. Thus, calculations of areas can be done with a high degree of precision. Data have all been computer analyzed and areas calculated for the watershed and for individual communities and cover types (Appendix III and IV).

RESULTS AND DISCUSSION OF DATA

The 414 vegetation map units were grouped into 7 communities, 6 of which have been described by Dyrness, Franklin and Moir (1973). These 6 communities are also found elsewhere on the H. J. Andrews Experimental Forest and are either represented by reference stands or by reconnaissance plots. The seventh community is the riparian community which has yet to be described as to vegetation and soil in the Andrews and surrounding areas. The 7 communities and the stands that may be used to describe them in more detail (vegetatively) than is afforded by the methods employed in this study are as follows:

- 1) Tsuga heterophylla/Castanopsis chrysophylla association (Tshe/Cach), reference stands 6 and 16.
- 2) Tsuga heterophylla/Rhododendron macrophyllum/Gaultheria shallon association (Tshe/Rhma/Gash), reference stand 10.
- 3) Tsuga heterophylla/Rhododendron macrophyllum/Berberis nervosa association (Tshe/Rhma/Bene), reference stands 2 and 17.
- 4) Tsuga heterophylla/Acer circinatum/Polystichum munitum association (Tshe/Acci/Pomu), reference stands 9 and 15.
- 5) Pseudotsuga menziesii/Acer circinatum/Berberis nervosa (Psme/Acci/Bene), community (seral) reconnaissance data.

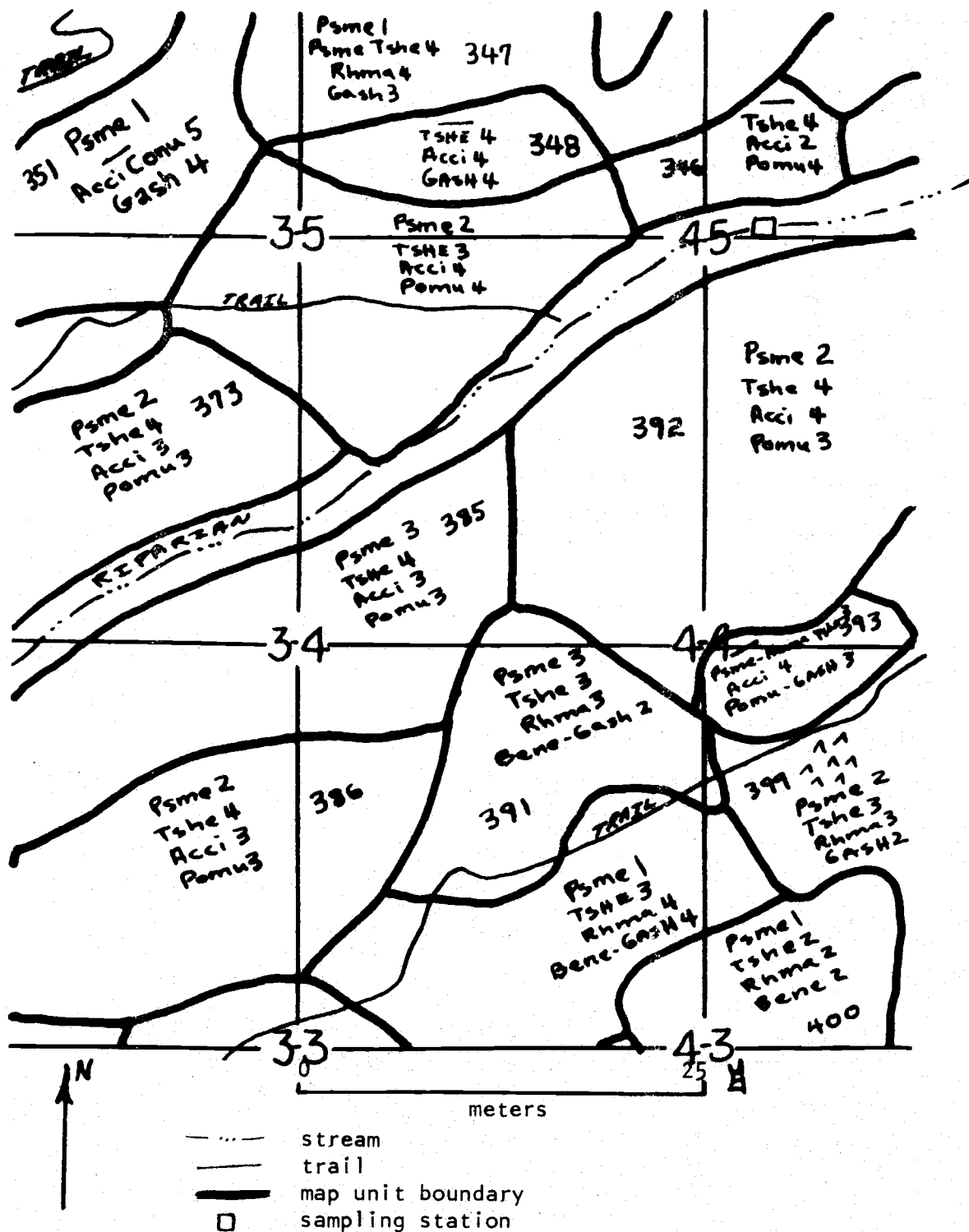


figure 3. sample section of vegetation map, Watershed 10, H.J. Andrews Experimental Forest.

6) Pseudotsuga menziesii/Acer circinatum/Gaultheria shallon
(Psme/Acci/Gash), community (seral) reconnaissance data.

7) Riparian type.

A map showing the distribution of the above communities is shown in figure 4. Each of the above communities and its extent within watershed 10 will be discussed below. The primary effort of this report is aimed at a description of the gross structure of the communities rather than a detailed discussion of total floristics for each. The latter may be more closely approximated in Franklin, Dyrness, and Moir (1970) or Dyrness, Franklin, and Moir (1973).

Basically, the watershed provides a mixture of old-growth and second-growth stands located on a highly variable substrata; variable in depth, composition, and with regard to slope and aspect. This explains in part the mixing of potentially climax associations such as Tshe/Cach, Tshe/Rhma/Bene, Tshe/Rhma/Gash and Tshe/Acci/Pomu with stands consisting of an earlier seral vegetation grouping Psme/Acci/Bene, Psme/Acci/Gash or the riparian type. Fire history has undoubtedly played an important role in the formation of and development of plant communities within watershed 10.

COMMUNITY DESCRIPTIONS

TSHE/CACH COMMUNITY

The most abundant community within watershed 10 is the Tshe/Cach community (Table 1, figure 4). It occupies 39.2 percent (4.02 hectares) of the watershed. It is generally located on the surrounding ridges of watershed 10 or on south and southwest aspects, where exposure is great. A total of 43.1 percent of cover class 0 of the primary tree stratum of watershed 10 occurs within the Tshe/Cach community (Table 3). Table 2 indicates that most of this community occurs beneath a very sparse primary tree stratum with 92.1 percent of the community having less than 50 percent cover in this layer.

The canopy of the secondary tree stratum is much denser, due in part to the open nature of the primary tree stratum. Thirty-one and seven tenths percent of cover class 0 in the secondary tree stratum of the watershed also occurs in this community (Table 5). The secondary stratum is composed of tree regeneration or second growth. Table 4 indicates that a much greater amount of the Tshe/Cach community occurs beneath the denser cover classes of the secondary tree stratum. Only 25.3 percent of this community occurs beneath less than 25 percent cover of the secondary tree stratum.

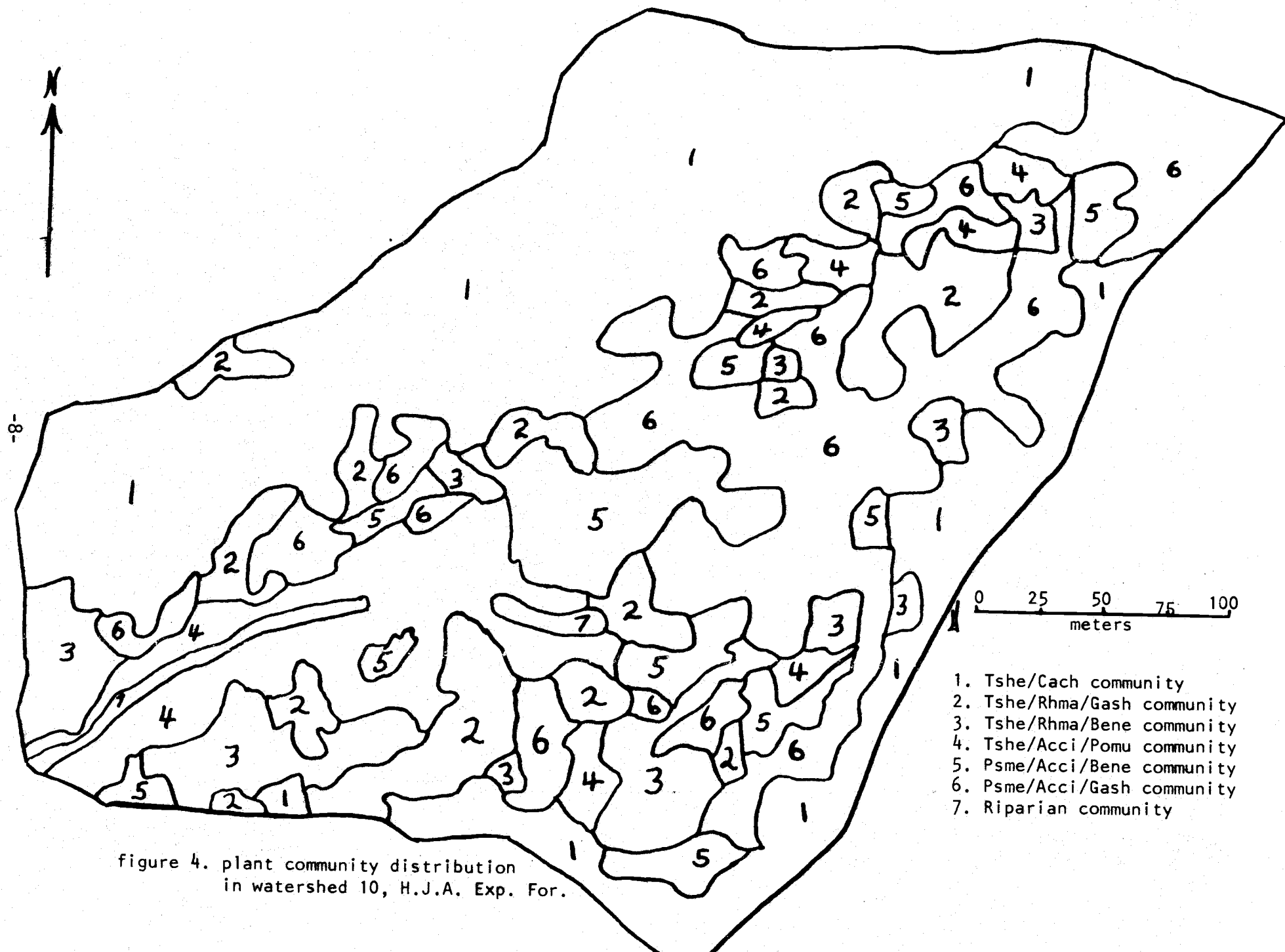


TABLE 1. percent and area of plant communities in watershed 10

COMMUNITY	% of W.S.10	AREA(hectares)
Tshe/Cach community	39.20	4.02
Tshe/Rhma/Gash community	10.07	1.03
Tshe/Rhma/Bene community	8.71	.89
Tshe/Acci/Pomu community	11.04	1.13
Psme/Acci/Bene community	8.82	.90
Psme/Acci/Gash community	21.10	2.16
Riparian	1.05	.11
total	100.00	10.24

Tshe = Tsuga heterophylla, Western Hemlock
 Cach = Castanopsis chrysophylla, Chinquapin
 Rhma = Rhododendron macrophyllum, Western Rhododendron
 Gash = Gaultheria shallon, Salal
 Bene = Berberis nervosa, Oregon Grape
 Acci = Acer circinatum, Vine Maple
 Pomu = Polystichum munitum, Sword Fern

TABLE 2. percentages of plant communities within given cover classes of the primary tree stratum

COMMUNITIES	COVER CLASSES*							total
	0	1	2	3	4	5	6	
	percentage of communities in cover class							
Tshe/Cach	21.1	30.3	18.6	22.1	7.9	---	----	100
Tshe/Rhma/Gash	8.5	25.5	19.1	40.4	2.9	3.6	---	100
Tshe/Rhma/Bene	11.6	26.6	26.1	35.7	---	---	---	100
Tshe/Acci/Pomu	15.7	26.0	37.6	17.1	.8	2.8	---	100
Psme/Acci/Bene	16.1	25.0	34.0	13.6	11.3	---	---	100
Psme/Acci/Gash	28.0	36.7	15.6	17.5	2.2	---	---	100
Riparian	3.5	14.2	----	82.3	---	---	---	100

*cover classes are as follows:

- 0 = 0% cover
- 1 = 1-5% cover
- 2 = 6-25% cover
- 3 = 26-50% cover
- 4 = 51-75% cover
- 5 = 76-95% cover
- 6 = 96-100% cover

TABLE 3. percentage of the primary tree stratum cover classes within a given plant community

COMMUNITY	COVER CLASSES						
	0	1	2	3	4	5	6
Tshe/Cach	43.1	39.9	33.2	37.0	62.4	----	----
Tshe/Rhma/Gash	4.5	8.6	8.8	17.3	6.0	53.8	----
Tshe/Rhma/Bene	5.2	7.8	10.3	13.2	----	----	----
Tshe/Acci/Pomu	9.0	9.7	18.9	8.0	1.8	46.2	----
Psme/Acci/Bene	7.4	7.4	13.7	5.1	20.3	----	----
Psme/Acci/Gash	30.6	26.1	15.1	15.7	9.5	----	----
Riparian	.2	.5	----	3.7	----	----	----
TOTAL	100.00	100.00	100.00	100.0	100.0	100.0	00.0

TABLE 4. percentage of plant community within given cover classes of the secondary tree stratum

COMMUNITY	COVER CLASSES							total
	0	1	2	3	4	5	6	
PERCENTAGE OF COMMUNITY IN COVER CLASS								
Tshe/Cach	7.4	5.2	12.8	32.6	32.1	9.9	----	100
Tshe/Rhma/Gash	4.3	1.0	15.8	38.6	40.3	----	----	100
Tshe/Rhma/Bene	2.8	----	16.8	51.7	19.2	9.5	----	100
Tshe/Acci/Pomu	5.1	5.3	5.0	31.2	48.6	4.8	----	100
Psme/Acci/Bene	3.4	----	19.0	43.4	34.2	----	----	100
Psme/Acci/Gash	22.2	1.6	5.8	43.3	21.9	4.5	.7	100
Riparian	3.5	14.2	24.4	57.9	----	----	----	100

TABLE 5. percentage of secondary tree stratum cover classes within given plant communities

COMMUNITY	COVER CLASSES						
	0	1	2	3	4	5	6
Tshe/Cach	31.7	63.3	42.5	33.4	40.2	62.8	----
Tshe/Rhma/Gash	4.7	3.0	13.6	10.2	13.0	----	----
Tshe/Rhma/Bene	2.7	----	12.4	11.8	5.3	13.3	----
Tshe/Acci/pomu	6.2	18.4	4.7	9.0	17.2	8.5	----
Psme/Acci/Bene	3.3	----	14.2	10.0	9.6	----	----
Psme/Acci/Gash	51.1	10.7	10.4	23.9	14.7	15.4	100.0
Riparian	.4	4.6	2.2	1.7	----	----	----
TOTAL	100.0	100.0	100.0	100.0	100.0	100.0	100.0

The Tshe/Cach community contains 1138 rooted trees greater than 15 cm dbh (Appendix IX). Thirty-nine percent (Appendix VII) of the 1138 trees are Castanopsis chrysophylla (Cach) and all but 8 of the Cach are in the 15-30 cm dbh size class. Thirty-three percent of the trees in the Tshe/Cach community are Pseudotsuga menziesii (Psme). Psme is well represented in the larger size classes as well as in reproduction size classes in this community (Appendix VIII). It is the dominant tree of the Tshe/Cach community, and its presence in quantity in the reproductive size classes insures its continual presence in the future of the community. Tsuga heterophylla is another climax tree that is found in the understory of most stands.

A good indicator of the xeric nature of this community is Pinus lambertiana (Pila). Eighty-two percent of the Pila in watershed 10 is within the Tshe/Cach community. Most of the Pila is in smaller size classes, but some may reach sizes of 120-135 cm dbh.

Other trees of lesser importance within the Tshe/Cach community include Thuja plicata, Libocedrus decurrens, Acer macrophyllum, Taxus brevifolia, Cornus nuttallii, and Arbutus menziesii.

Principal plant species and their cover values rounded to the nearest 1 percent are listed for 6 vegetation strata within the Tshe/Cach community as follows:

Overstory Tree Stratum: ^{1/}	Percent Cover
<u>Pseudotsuga menziesii</u>	36
<u>Tsuga heterophylla</u>	7
Understory Tree Stratum: ^{1/ 2/}	
<u>Pseudotsuga menziesii</u>	5
<u>Tsuga heterophylla</u>	4
<u>Pinus lambertiana</u>	1
<u>Castanopsis chrysophylla</u>	27
<u>Cornus nuttallii</u>	4
Tall Shrub Stratum: ^{2/}	
<u>Acer circinatum</u>	14
<u>Rhododendron macrophyllum</u>	39
Low Shrub Stratum: ^{2/}	
<u>Gaultheria shallon</u>	26
<u>Berberis nervosa</u>	4
Herb Stratum: ^{2/}	
<u>Xerophyllum tenax</u>	7
<u>Linnaea borealis</u>	3

Bryophyte Stratum:^{2/}

9 to 12 species common

10

1/ Data extrapolated from Dyrness, Franklin and Moir 1973.

2/ Data extrapolated from Hawk and Sawbridge, 1972.

The Tshe/Cach community is characterized by moderate development of Pseudotsuga menziesii in all size classes. Tsuga heterophylla is a common understory element and Castanopsis chrysophylla as well as Rhododendron macrophyllum coverage is generally very high. Thus this community has a very brushy character. Low coverage in both tree strata is generally accompanied by high coverage by small shrubs and tall shrubs. The small shrub stratum is dominated by Gaultheria shallon and Berberis nervosa (Franklin, Dyrness, and Moir (1970); Dyrness, Franklin and Moir (1973); Hawk and Dyrness (1972); and Dyrness and Hawk (1972)).

This community is similar to both the Corylus and the Holodiscus communities of Dyrness, Franklin and Moir (1973) in its physiographic location, but the extreme development of the shrub strata separates the Tshe/Cach community from other communities occurring on similar sites. The herb layer of the Tshe/Cach community as it occurs in the Central Western Cascades is typically poorly developed on typical sites. This is probably due to the shrub dominance of the sites. Xerophyllum tenax and Linnaea borealis are the only frequently occurring species in the herb layer. The basal area of trees in this community is high compared to that of other communities in the watershed at 74.6 m²/hectare.

TSHE/RHMA/GASH COMMUNITY

The Tshe/Rhma/Gash community occupies only 10.07 percent (1.03 hectares) of watershed 10 (Table 1, figure 4). It occurs as a patchy community, usually located midway between ridgetops and major drainages. It is a more mesic community (Appendix I) than the Tshe/Cach community and occurs in more protected portions of the watershed, usually between sites occupied by the drier and more exposed Tshe/Cach community and the more mesic Tshe/Rhma/Bene community.

The primary tree stratum in the Tshe/Rhma/Gash community is commonly more dense than that of the Tshe/Cach community. Only 53.1 percent of the total occurred beneath a cover of less than 25 percent (Table 2). Again the secondary tree stratum is commonly denser than the primary stratum, with only 21.1 percent occurring beneath less than 25 percent cover (Table 4).

The Tshe/Rhma/Gash community contains 314 trees (292 trees/hectare) greater than 15 cm dbh. Forty-five percent of these trees are Pseudotsuga menziesii (Appendix VI). Pseudotsuga menziesii is found in nearly all size classes in this community. The bimodal distribution of Pseudotsuga menziesii size classes for this community is similar to that found for watershed 10 as a whole (Appendix VII). Fifty percent of the Pseudotsuga menziesii is in the 15-30 cm dbh class while the remaining 50 percent is approximately normally distributed about the 105-120 cm dbh class. Next in importance is Tsuga heterophylla, making up 35 percent of the trees within this community. This species shows the usual J-shaped curve of size class distribution expected for climax species in nearly mature to over mature stands within the Douglas-fir region (Appendix VIII).

Other species found in lesser amounts in the Tshe/Rhma/Gash community include Thuja plicata, Acer macrophyllum, Castanopsis chrysophylla, Taxus brevifolia, Pinus lambertiana and Cornus nuttallii. This community contains more trees per hectare than any other community found in watershed 10. In terms of basal area, it ranks third to the Tshe/Rhma/Bene and the Tshe/Cach communities, with 72.9 m²/hectare (basal area figure approximate at this time).

The secondary tree stratum is composed of Pseudotsuga menziesii, Tsuga heterophylla, Thuja plicata, and Acer macrophyllum in addition to Castanopsis chrysophylla and Cornus nuttallii. Castanopsis chrysophylla, however, does not play as important a role in the total canopy cover in the Tshe/Rhma/Gash community as it does in the Tshe/Cach community. It is replaced in importance in the secondary tree stratum by pole size and smaller Tsuga heterophylla. Floristically the Tshe/Rhma/Gash community is very similar to the Tshe/Cach community, but the vegetation indicates a slightly more mesic environment in the Tshe/Rhma/Gash community. This is in agreement with the findings of Zobel et al. (1973) in studies of plant moisture stress of sapling-size trees located in various plant communities within the H. J. Andrews Experimental Forest.

The tree strata of the Tshe/Rhma/Gash community are moderately well developed. However, this does not impede the development of a dense, tall shrub layer as well as a fairly dense, low shrub stratum. The composition of the shrub strata is similar in species and amounts of cover to those of the Tshe/Cach community. Well developed Rhododendron macrophyllum dominates the tall shrub layer, and there is more Acer circinatum in the tall shrub stratum than in the Tshe/Cach community. Gaultheria shallon and Berberis nervosa dominate the low shrub stratum.

The herb stratum within the Tshe/Rhma/Gash community is poorly developed, as in the Tshe/Cach community. Linnaea borealis, Xerophyllum tenax, Chimaphila umbellata, and Polystichum munitum are the most abundant herbs, but even these are not found in large amounts. Xerophyllum tenax is not as abundant in this community as in the Tshe/Cach community, but its indicator significance concerning edaphic quality is unchanged.

Principal plant species and cover values for 6 vegetation strata within the Tshe/Rhma/Gash community are as follows:

Overstory Tree Stratum: ^{1/}	Percent Cover
<u>Pseudotsuga menziesii</u>	45
<u>Tsuga heterophylla</u>	20
<u>Thuja plicata</u>	3
<u>Pinus lambertiana</u>	2
<u>Acer macrophyllum</u>	1
Understory Tree Stratum: ^{1/ 2/}	
<u>Tsuga heterophylla</u>	8
<u>Thuja plicata</u>	1
<u>Cornus nuttallii</u>	13
<u>Castanopsis chrysophylla</u>	3
<u>Taxus brevifolia</u>	4
Tall Shrub Stratum: ^{2/}	
<u>Rhododendron macrophyllum</u>	44
<u>Acer circinatum</u>	26
<u>Vaccinium parvifolium</u>	1
Low Shrub Stratum: ^{2/}	
<u>Gaultheria shallon</u>	19
<u>Berberis nervosa</u>	9
Herb Stratum: ^{2/}	
<u>Linnaea borealis</u>	2
<u>Xerophyllum tenax</u>	3
<u>Chimaphila umbellata</u>	2
<u>Polystichum munitum</u>	1
Moss Stratum: ^{2/}	
10 species common	14

TSHE/RHMA/BENE COMMUNITY

The Tshe/Rhma/Bene community occupies 8.71 percent (.89 hectares) of watershed 10. This community is located primarily on northwest aspects (Table 1, figure 4). It occurs on a variety of slopes as well as on most slope positions ranging from upper slopes to toeslopes and benches. This community represents the climatic climax of low to middle elevations (Dyrness, Franklin, and Moir, 1973).

This community as it occurs in watershed 10 has between 1 and 50 percent cover in the primary tree stratum (Table 2). However, the secondary tree stratum is for the most part denser than that in any other community discussed thus far, with only 19.6 percent of the community occurring with less than 25 percent cover in the secondary stratum.

The Tshe/Rhma/Bene community contains 262 trees (265 trees/hectare) greater than 15 cm dbh. Forty-seven percent of these trees are Tsuga heterophylla. Most (66 percent) of the Tsuga is in the smaller size class (15-30 cm dbh). Pseudotsuga menziesii is the next most abundant tree in terms of stem numbers (Appendix VI). However, Pseudotsuga menziesii is the dominant tree species from the standpoint of cover, as it makes up the total of the larger size trees in this community. It appears that most of this community as it occurs in watershed 10 is immature. Appendix VII indicates that the role of Tsuga heterophylla will undoubtedly increase with time. In older stands of this community in the Central Western Cascades, there is usually an equal mixture of Pseudotsuga menziesii and Tsuga heterophylla in the overstory canopy. In the understory, there are typically many Tsuga in the reproductive size classes, while Pseudotsuga menziesii is usually virtually lacking in smaller size classes. Appendix VII indicates that reproductive size classes of Pseudotsuga menziesii are present within this community. This is probably the result of the gap-phase regeneration phenomenon that occurs over all of watershed 10. This community, like all others in this study, contains areas where blowdown or other stand damage has opened gaps sufficiently large for reinvasion by pioneer species. Thus, we find small clumps of Pseudotsuga menziesii occurring in frequently dense stands that are too small to map individually. During mapping clumps are normally treated as inclusions in the communities in which they occur. This treatment results in the altered character of the size class distribution curves of the stands in which such gaps are included.

Other species of trees larger than 15 cm dbh found within this community include Thuja plicata, Taxus brevifolia, Castanopsis chrysophylla, and Acer macrophyllum. The basal area of this community is the highest of the communities within watershed 10 (75.4 m²/hectare).

The tall shrub stratum in the Tshe/Rhma/Bene community is generally less well developed than that of the more open Tshe/Cach or Tshe/Rhma/Gash communities. In this community the stratum is dominated by Rhododendron macrophyllum and Acer carcinatum. Vaccinium parvifolium is also present in most stands. The low shrub stratum is only moderately developed with low cover values for both Berberis nervosa and Gaultheria shallon. The herb stratum is dominated by Linnaea borealis in most stands of the Tshe/Rhma/Bene community. Other commonly occurring species are listed below in the principal species listing.

The Tshe/Rhma/Bene community, representing the climatic climax of the area, can be expected to be closely related or tied in with many seral stages or plant groupings capable of regenerating themselves under steady environmental conditions. Appendix I shows the distribution of communities represented by the 7 communities in this study as they are ordinated on a temperature and moisture gradient (Dyrness, Franklin, and Moir, 1973).

Principal plant species and cover values for 6 vegetation strata occurring in the Tshe/Rhna/Bene community are as follows:

Overstory Tree Stratum: <u>1/</u>	Percent Cover
<u>Pseudotsuga menziesii</u>	45
<u>Tsuga heterophylla</u>	45
<u>Thuja plicata</u>	13
Understory Tree Stratum: <u>1/ 2/</u>	
<u>Tsuga heterophylla</u>	8
<u>Thuja plicata</u>	2
<u>Cornus nuttallii</u>	3
<u>Taxus brevifolia</u>	4
Tall Shrub Stratum: <u>2/</u>	
<u>Rhododendron macrophyllum</u>	6
<u>Acer circinatum</u>	12
<u>Vaccinium parvifolium</u>	2
Low Shrub Stratum: <u>2/</u>	
<u>Berberis nervosa</u>	7
<u>Gaultheria shallon</u>	2
Herb Stratum: <u>2/</u>	
<u>Polystichum munitum</u>	2
<u>Linnaea borealis</u>	18
<u>Viola sempervirens</u>	2
<u>Coptis laciniata</u>	5
<u>Chimaphila umbellata</u>	1
<u>Rubus nivalis</u>	1
Bryophyte Stratum:	
5-8 species common	48

TSHE/ACCI/POMU COMMUNITY

The Tshe/Acci/Pomu community occupies 11.04 percent (1.13 hectares) of watershed 10 (Table 1, figure 4). This community occurs almost entirely adjacent to the major drainage systems in the lower portions of watershed 10. Two small portions of watershed 10 occurring, on a bench, and in a slight depression, have also been included in this community although they probably more closely resemble the Tshe/Pomu community of Dyrness, Franklin, and Moir (1973). All other stands of this community occur on steep to gentle slopes immediately adjacent to perennial streams or seeps in the watershed.

Cover within the primary tree stratum of this community is generally moderate. Table 2 shows that 15.7 percent of this community is open in the primary tree stratum (cover class 0). However, only 5.1 percent of the secondary tree stratum is in cover class 6 (Table 4).

The Tshe/Acci/Pomu community contains 310 trees (258 trees/hectare) larger than 15 cm dbh. Forty-four percent of these trees are Tsuga heterophylla (Appendix VI). Again, most of the Tsuga are in the smaller, 15-30 cm, dbh class (Appendix VII). Its importance in the future of the community is indicated by its dominance of the reproductive size classes. The dominance of Pseudotsuga menziesii in the primary tree stratum is still evident. There are, however fewer large size class trees per hectare in this community.

Acer macrophyllum reaches its greatest development in this community. Most of the Acer macrophyllum is within the 15-30 cm dbh class, but the species is slow growing beneath the forest canopy and does not attain great sizes. Thuja plicata and Taxus brevifolia each also make up more than 5 percent of the total trees in this community.

With the exception of a few large Pseudotsuga menziesii, trees in the Tshe/Acci/Pomu community are for the most part in the smaller size classes. As a result the community as it occurs in watershed 10 is low in tree basal area (50.3 m²/hectare). This may be due in part to the severe disturbance common to areas near stream bottoms where this community occurs. The blowdown of trees near drainages has markedly decreased basal area in watershed 10.

According to Dyrness, Franklin, and Moir (1973) the overstory canopy of this community is dominated by Pseudotsuga menziesii and generally large amounts of Tsuga heterophylla and Thuja plicata.

The secondary tree stratum consists of Tsuga heterophylla, Thuja plicata, and occasionally Acer macrophyllum. The Tshe/Acci/Pomu community in watershed 10 is moderately open to both the primary and secondary tree strata. Therefore, the tall shrub stratum is well developed. The tall shrub stratum is dominated by Acer circinatum, which is patchy in its distribution, low in stature, and generally hard to maneuver within. Rhododendron macrophyllum is seldom found in stands typical of this community. The small shrub stratum is dominated by Berberis nervosa. Other shrubs which are locally important include Gaultheria shallon, Taxus brevifolia, and Vaccinium parvifolium.

The herb stratum in most stands of the Tshe/Acci/Pomu community is dominated by Polystichum munitum. Smaller herbs also important in this community are listed below.

The extremely mesic to mesohydric nature of the Tshe/Acci/Pomu community is indicated by the dense herb cover and development, by the number of species which commonly occur and by the semi-indicator value of some of the species themselves.

Principal plant species and cover values for 6 vegetation strata within the Tshe/Acci/Pomu community are listed as follows:

Overstory Tree Stratum: 1/ Cover Percent

<u>Pseudotsuga menziesii</u>	49
<u>Tsuga heterophylla</u>	21

Understory Tree Stratum: 1/ 2/

<u>Tsuga heterophylla</u>	7
<u>Thuja plicata</u>	7
<u>Taxus brevifolia</u>	5
<u>Acer macrophyllum</u>	2
<u>Cornus nuttallii</u>	1

Tall Shrub Stratum: 2/

<u>Acer circinatum</u>	36
<u>Rhododendron macrophyllum</u>	4
<u>Vaccinium parvifolium</u>	1

Low Shrub Stratum: 2/

<u>Berberis nervosa</u>	9
<u>Gaultheria shallon</u>	3

Herb Stratum: 2/

<u>Viola sempervirens</u>	3
<u>Trillium ovatum</u>	1
<u>Polystichum munitum</u>	20
<u>Linnaea borealis</u>	3
<u>Vancouveria hexandra</u>	1
<u>Coptis laciniata</u>	13

Bryophyte Stratum:

9 - 10 species common	49
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PSME/ACCI/BENE COMMUNITY

The Psme/Acci/Bene community occupies 8.8 percent (.90 hectares) of watershed 10 (Table 1, figure 4). The Psme/Acci/Bene community occurs adjacent to the Tshe/Rhma/Bene community in almost all cases. The seral nature of the Psme/Acci/Bene community is reflected in its distribution next to the later seral phase of the Tshe/Rhma/Bene habitat type.

The primary tree stratum of the Psme/Acci/Bene community is patchy and more heterogenous than that of the other communities found in watershed 10 (Table 2). The secondary tree stratum is similar to that of the Tshe/Rhma/Bene community in having a large percentage of the community occurring beneath cover classes 3 and 4, while only small amounts occur beneath cover classes 0 and 1 (Table 4).

The Psme/Acci/Bene community contains 249 trees (257 trees/hectare) larger than 15 cm dbh. Forty-five percent of the trees are Tsuga heterophylla, 66 percent of which are in the 15-30 cm dbh class. Appendix VII indicates that there is again a high amount of Pseudotsuga menziesii in the reproductive size classes. This evidence in addition to the gap-phase phenomenon mentioned earlier and the occurrence of Castanopsis chrysophylla in this community is indicative of its open nature.

The overstory tree stratum within this community is dominated by old-growth Pseudotsuga menziesii with only a few scattered Tsuga heterophylla in the larger size classes. The community as it occurs in watershed 10 has moderate amounts of Tsuga in the overstory tree canopy. Thuja plicata is also present in local areas along with scattered stems of Acer macrophyllum.

The secondary tree stratum is typically devoid of Pseudotsuga menziesii, while Tsuga heterophylla dominates most of this stratum. In some cases dominance within the secondary tree stratum may be shared between Tsuga heterophylla and Thuja plicata. Cornus nuttallii often approaches the lower limits of the secondary tree stratum, though in cases it should be included as a tall shrub species.

Other species common to the tree layers, include Pinus lambertiana and Taxus brevifolia. The basal area of tree stems in this community in watershed 10 ranks 4th with 68.8 m²/hectare.

The tall shrub stratum of the Psme/Acci/Bene community is dominated by Acer circinatum and commonly has very little or no Rhododendron macrophyllum. This difference in cover of Rhododendron is one of the few striking differences between the Tshe/Rhma/Bene and the Psme/Acci/Bene communities (Dyrness, Franklin and Moir, 1973). The small shrub stratum is dominated by Berberis nervosa, though Gaultheria shallon may also be present in significant quantities.

The herb stratum in this community consists of a mixture of plants common to dry or dry-mesic sites (e.g. Achlys triphylla and Whipplea modesta) which indicate that the community is a little dryer and warmer than the Tshe/Rhma/Bene community (Appendix I). This also concurs with the plant moisture stress findings of Zobel et al. (1973).

Principal plant species and their cover values for 6 vegetation strata within the Psme/Acci/Bene community are listed as follows:

Overstory Tree Stratum: ^{1/}	Percent Cover
<u>Pseudotsuga menziesii</u>	58
<u>Tsuga heterophylla</u>	31
<u>Thuja plicata</u>	6
<u>Acer macrophyllum</u>	1
Understory Tree Stratum: ^{1/ & 2/}	
<u>Tsuga heterophylla</u>	11
<u>Thuja plicata</u>	2
<u>Cornus nuttallii</u>	7
Tall Shrub Stratum: ^{2/}	
<u>Acer circinatum</u>	12
<u>Vaccinium parvifolium</u>	1
Low Shrub Stratum: ^{2/}	
<u>Berberis nervosa</u>	24
<u>Gaultheria shallon</u>	11
Herb Stratum: ^{2/}	
<u>Rubus ursinus</u>	5
<u>Viola sempervirens</u>	4
<u>Linnaea borealis</u>	2
<u>Whipplea modesta</u>	1
Bryophyte Stratum: ^{2/}	
6 species occur	trace only

PSME/ACCI/GASH COMMUNITY

The Psme/Acci/Gash community is the second most abundant community occurring in watershed 10 (Table 1, figure 4).

It occupies 21.1 percent (2.16 hectares) of the watershed. This community occurs on a variety of slopes and aspects but the major portion occurs on the upper elevations of the watershed and on the interfluvial region between the two major drainage channels. It normally occurs downslope of the Tshe/Cach community.

Like the Tshe/Cach community, the Psme/Acci/Gash community occurs with a sparse primary tree stratum cover (Table 2). A total of 81.1 percent of this community occurs with less than 25 percent cover in the primary tree stratum. As a result microenvironments may be more xeric within stands typical of this community. The secondary tree stratum of the Psme/Acci/Gash community is patchy, with some areas in each cover class except cover class 6, although the majority of this community occurs with cover classes 3 and 4. A highly significant amount occurs with no secondary tree cover (Table 4). The total open area (cover class 0) in the primary tree stratum of this community is 30.6 percent of the cover class 0 occurring in the entire watershed (Table 3). The open area in the secondary tree stratum of this community is 51.1 percent of the cover class 0 for the entire watershed (Table 5).

The Psme/Acci/Gash community contains 513 trees (222 trees/hectare) larger than 15 cm dbh. Tsuga heterophylla and Pseudotsuga menziesii share importance in terms on numbers of trees, with 38 percent and 36 percent of the total, respectively. Pseudotsuga menziesii dominates the tree canopy, but the smaller size classes indicate that Tsuga heterophylla will share dominance in later stages of community development. At the present time the reproductive size classes are well represented by both Pseudotsuga menziesii and Tsuga heterophylla. Pseudotsuga menziesii is the only tree that attains sizes larger than 75 cm dbh within this community. However, these larger trees are only widely scattered within the stands of this community in watershed 10.

The basal area is 5th ranked for this community in the watershed with 56.4 m²/hectare. It is approximately 26 percent less than that of the Tshe/Rhma/Bene community. Also included in this community are equal numbers of Castanopsis chrysophylla and Acer macrophyllum stems followed by Thuja plicata, Taxus brevifolia, Cornus nuttallii, and Pinus lambertiana in terms of numbers of trees (Appendix VI).

Acer circinatum dominates the tall shrub stratum. This stratum may also contain small coverage of Rhododendron macrophyllum as well. Gaultheria shallon occurs with high cover values in most stands. Its dominance of the low shrub stratum is shared locally with Berberis nervosa.

The herb stratum of the Psme/Acci/Gash community contains several species of low indicator significance. None can really be called characteristic species of this community (Dyrness, Franklin, and Moir, 1973).

Principal plant species and their cover values for 5 vegetation strata within the Psme/Acci/Gash community are listed as follows:

Overstory Tree Stratum: ^{1/} Percent Cover

<u>Pseudotsuga menziesii</u>	60
<u>Tsuga heterophylla</u>	5
<u>Acer macrophyllum</u>	3

Understory Tree Stratum: ^{1/}

<u>Tsuga heterophylla</u>	8
<u>Acer macrophyllum</u>	1
<u>Cornus nuttallii</u>	3
<u>Castanopsis chrysophylla</u>	1

Tall Shrub Stratum: ^{1/}

<u>Acer circinatum</u>	36
<u>Vaccinium parvifolium</u>	2
<u>Rhododendron macrophyllum</u>	2

Small Shrub Stratum: ^{1/}

<u>Gaultheria shallon</u>	35
<u>Berberis nervosa</u>	19

Herb Stratum: ^{1/}

<u>Rubus ursinus</u>	1
<u>Viola sempervirens</u>	2
<u>Polystichum munitum</u>	2
<u>Linnaea borealis</u>	2
<u>Xerophyllum tenax</u>	2
<u>Whipplea modesta</u>	2

Bryophyte Stratum:

No data

RIPARIAN COMMUNITY

The riparian community is the most limited community occurring in the watershed. It occupies 1.05 percent (.11 hectare) of watershed 10 (Table 1, figure 4). It occurs along the stream bottoms primarily at lower elevations in the watershed. In all cases, it is surrounded by the Tshe/Acci/Pomu community.

The primary and secondary tree strata are both predominantly in cover class 3. The community is, therefore, open in appearance. This is probably due to the amount of tree fall into and within this community. The substrate of the immediately adjacent areas of this community are probably the least stable areas in the entire watershed, due to a combination of steepness, biomass of trees rooted therein, stream bank erosion, and the amount of moisture that continually passes through the soils. This apparently is the cause of the increased amount of tree fall in the riparian community area. Stem maps show a marked increase in logs of fallen trees in and around the drainage channels.

The overstory tree stratum of the riparian type is dominated by the same species as in the Tshe/Acci/Pomu community, with an increase in the proportion of Acer macrophyllum, Thuja plicata, or Alnus rubra in localized areas. The understory tree stratum is dominated by Tsuga heterophylla in most areas. However, many areas are nearly devoid of tree regeneration. The riparian area is very narrow in most areas.

The tall shrub stratum contains Acer circinatum, Vaccinium parvifolium, and rarely has any Rhododendron macrophyllum. Aralia californica is a good indicator of the community and is a frequent component of the shrub layer. The low shrub layer is usually very sparse with only occasional plants of Gaultheria shallon or Berberis nervosa.

The herb stratum is composed of a larger number of species that normally require hygric habitats than any of the communities discussed thus far. The following genera are generally present; Mitella, Saxifraga, Actaea, Thalictrum, Cardamine, Aruncus, Oxalis, and Polystichum as well as numerous ferns, mosses, and lower vascular and nonvascular plants.

HABITAT TYPES

For modeling purposes the watershed has been divided into 15 substrata. Boundaries were based on information derived from the preliminary vegetation map as well as primary hydrologic discontinuities (figure 5). Table 6 lists these 15 substrata and their community composition. Most substrata are dominated by one community. Only a few have shared dominance between two or more communities. The first run modeling effort is not expected to operate at the level of resolution imposed by seven communities. Therefore, the 7 communities have been combined into 4 habitat types as follows: 1) The Tshe/Cach habitat type, consisting of the same area as Tshe/Cach community; 2) the Tshe/Rhma/Gash habitat type, which is a combination of the Tshe/Rhma/Gash and the Psme/Acci/Gash communities; 3) the Tshe/Rhma/Bene habitat type, which consists of the Tshe/Rhma/Bene and Psme/Acci/Bene communities; and 4) the Tshe/Acci/Pomu habitat type consisting of the Tshe/Acci/Pomu and the riparian communities above. The portions of the 15 substrata occupied by these habitat types are listed in Table 7, and the habitat types are graphically shown in figure 6, while

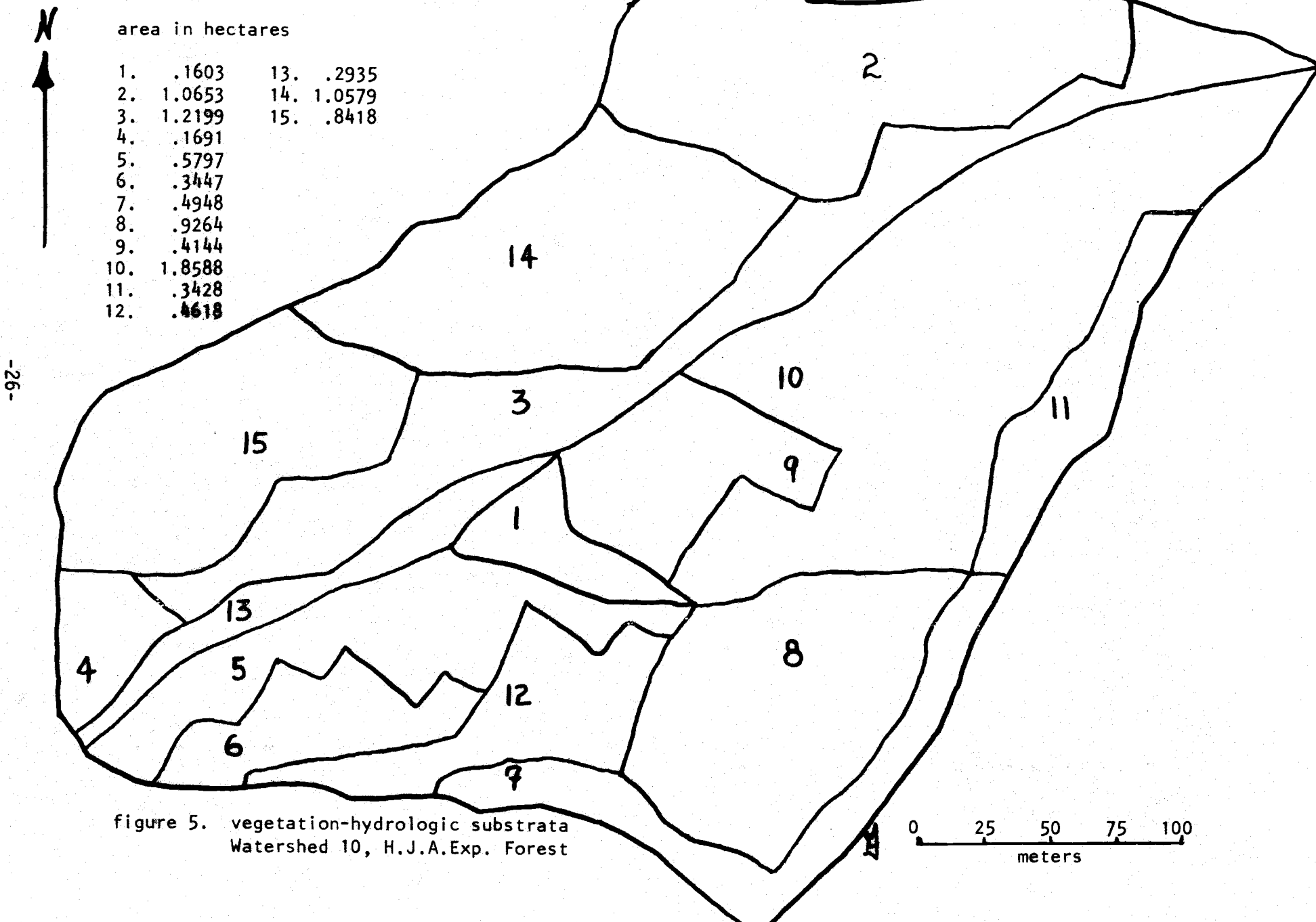


figure 5. vegetation-hydrologic substrata
Watershed 10, H.J.A. Exp. Forest

0 25 50 75 100
meters

TABLE 6. percentage of watershed 10 substrata* occupied by various plant communities

SS	Tshe Cach	Tshe Rhma Gash	Tshe Rhma Bene	Tshe Acci Pomu	Psme Acci Bene	Psme Acci Gash	Riparian	total %
1	----	1.3	1.3	79.8	4.1	----	13.4	100
2	99.6	.3	----	----	----	.1	----	100
3	15.1	19.9	2.1	8.1	8.8	46.0	----	100
4	.8	----	96.1	.4	----	2.7	----	100
5	----	3.3	.2	87.3	4.7	.1	4.4	100
6	.8	14.4	70.6	9.7	4.5	----	----	100
7	91.2	1.6	.1	----	3.0	4.1	----	100
8	4.8	6.8	28.3	10.6	25.5	24.0	----	100
9	----	5.5	----	.5	77.5	16.5	----	100
10	4.7	13.2	7.1	4.8	5.1	65.1	----	100
11	89.2	----	1.7	----	----	9.1	----	100
12	6.0	65.7	5.4	4.1	----	18.8	----	100
13	----	.5	3.3	63.7	----	9.9	22.6	100
14	94.7	----	----	----	----	5.3	----	100
15	87.0	11.6	1.0	----	----	.4	----	100

* substrata refers to units identified by a combination of their apparent vegetation as well as major hydrologic discontinuities within watershed 10

TABLE 7. percentage of watershed 10 substrata occupied by various habitat types

SS	Tshe Cach	Tshe Rhma Gash	Tshe Rhma Bene	Tshe Acci Pomu	total %
percentage HT in substrata					
1	----	1.3	5.4	93.2	100
2	99.6	.4	----	----	100
3	15.1	65.9	10.9	8.1	100
4	.8	2.7	96.1	.4	100
5	----	3.4	4.9	91.7	100
6	.8	14.4	74.9	9.7	100
7	91.2	5.7	3.1	----	100
8	4.8	30.8	53.8	10.6	100
9	-----	22.0	77.5	.5	100
10	4.7	78.4	12.2	4.8	100
11	89.2	9.1	1.7	----	100
12	6.0	84.5	5.4	4.1	100
13	----	10.4	3.3	86.3	100
14	94.7	5.3	----	----	100
15	87.0	12.0	1.0	----	100



1. Tshe/Cach Habitat type
2. Tshe/Rhma/Gash Habitat type
3. Tshe/Rhma/Bene Habitat type
4. Tshe/Acci/Pomu Habitat type

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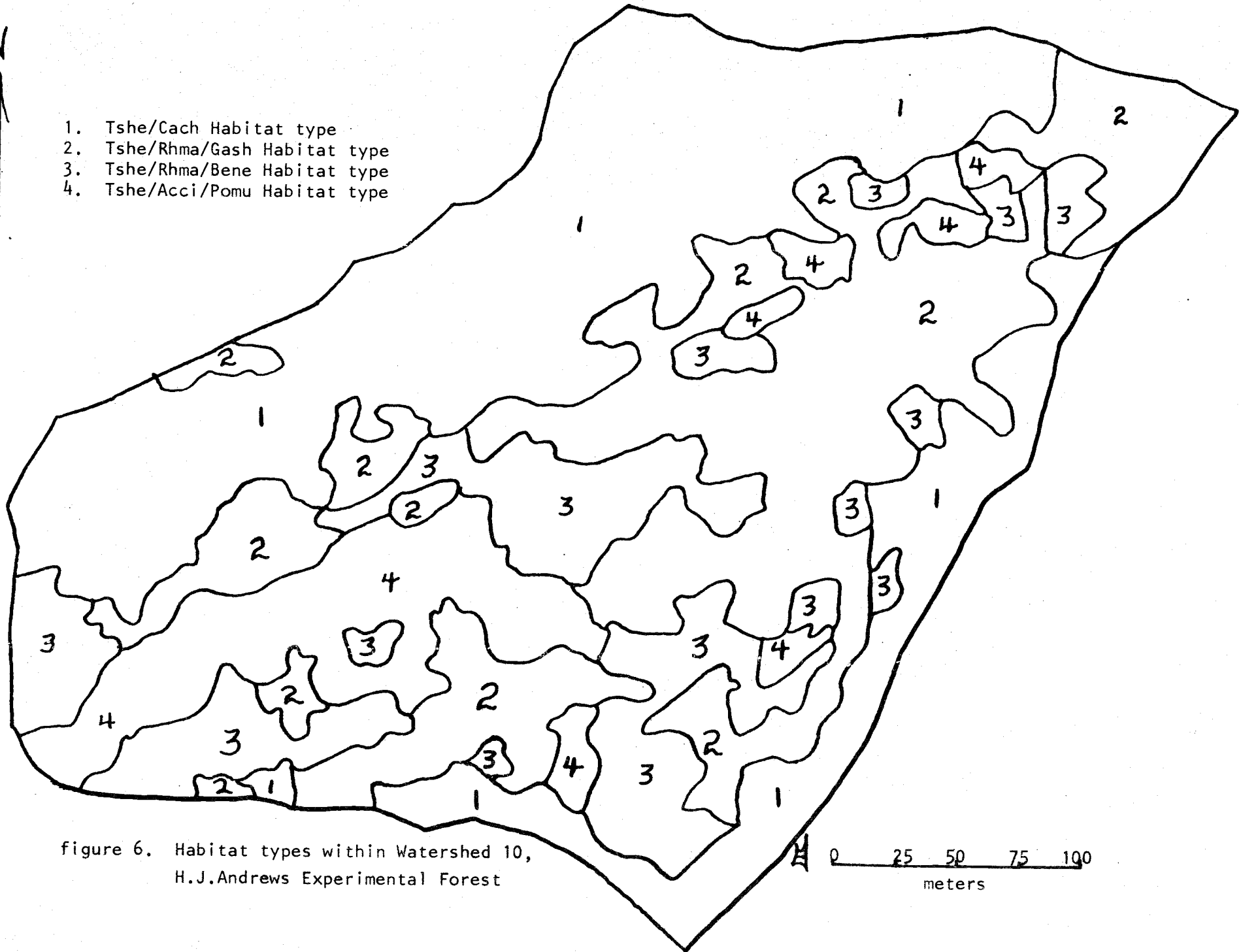


figure 6. Habitat types within Watershed 10,
H.J.Andrews Experimental Forest

0 25 50 75 100
meters

size class distributions of trees for habitat types are in Appendix VIII. The formation of habitat types in this manner allows each substratum to have one dominant habitat type. These habitat types are biologically sound units because they consist of climax associations and equivalent seral communities. Substrata No. 8 remains problematic due to the heterogeneity of vegetation, as well as total environmental conditions including slope aspect, soil depth, moisture availability, drainage, atmospheric conditions, vegetation interactions, and age of stand.

Basically, the communities and habitat types represented in watershed 10 compare well to similar stand representatives from other portions of the H. J. Andrews Experimental Forest and the surrounding, lower elevation areas of the Central Western Cascades of Oregon. However, most stands within watershed 10 appear to have a more open tree canopy than stands of similar classification units outside of the watershed and in more modal stands (Table 8). This may be due in part to the fact that a large percentage of watershed 10 has south to southwest aspects resulting in less vigorous stand development. Those portions of the watershed that have north to northwest aspects do have an overstory tree cover more consistent with that of modal stands for given habitat types or communities in surrounding areas.

INCLUSIONS

Some small units of specialized habitat or vegetation features are included within the communities. Only one of these occurred often enough to warrant special mention because of its extent within the watershed as well as its diagnostic value. This type is here called the Xerophyllum tenax open area (Xete open).

The Xete open occupies .73 percent of watershed 10, or nearly as much as the riparian area. It usually occurs on open slopes or ridgetops where soil development is limited. Xete openings are frequently found in areas near rock outcrops where soils are shallow.

The presence of large amounts of Xerophyllum tenax at low elevations within the Tsuga heterophylla zone is highly diagnostic as it usually occurs most abundantly in the Tshe/Cach community. Within watershed 10, 91.15 percent of the Xete open area occurs within the Tshe/Cach community; the other 8.85 percent occurs within the seral Psme/Acci/Bene (5.06 percent) and Psme/Acci/Gash (3.79 percent) communities.

WATERSHED TREE DATA

A complete listing of all trees by size class, and species is found in Appendix IX. Watershed 10 contained 2,815 stems larger than 15 cm dbh as of summer 1972. The species composition of this total is found in Table 9. Size class distribution for Pseudotsuga menziesii (figure 7) indicates a bimodal distribution into 2 main size groups; the smaller size classes from 10-40 cm dbh, and the larger size classes from 80-120 cm dbh. This size class distribution for Pseudotsuga menziesii is due to the gap-phase phenomenon as well as natural regeneration on this predominantly open, warm watershed. With

TABLE 8.--Percentage of watershed 10 occurring beneath combined primary and secondary tree strata cover classes.

PRIMARY TREE STRATUM COVER CLASSES								
	0	1	2	3	4	5	6	TOTAL
0	4.5	1.0	1.8	5.4	4.3	1.8	.2	19.0
1	.5	.9	3.9	11.2	11.6	1.8	0	29.9
2	.7	.3	2.2	10.9	6.9	1.0	0	22.0
3	1.5	.8	2.7	9.7	7.1	1.7	0	23.5
4	1.4	0	.6	1.2	1.7	0	0	4.9
5	.3	0	.4	0	0	0	0	.7
6	0	0	0	0	0	0	0	0
TOTAL	8.9	3.0	11.6	38.4	31.6	6.3	.2/GT=100	0

TABLE 9.-- Species composition of trees in watershed 10,
H. J. Andrews Experimental Forest*

<i>Pseudotsuga menziesii</i> - Douglas-fir	993
<i>Tsuga heterophylla</i> - Western hemlock	855
<i>Castanopsis chrysophylla</i> - golden chinquapin	526
<i>Thuja plicata</i> - Western redcedar	138
<i>Acer macrophyllum</i> - bigleaf maple	129
<i>Pinus lambertiana</i> - sugar pine	69
<i>Taxus brevifolia</i> - Pacific yew	65
<i>Cornus nuttallii</i> - common dogwood	26
<i>Libocedrus decurrens</i> - incense cedar	9
<i>Alnus rubra</i> - red alder	3
<i>Acer circinatum</i> - vine maple	1
<i>Arbutus menziesii</i> - Pacific madrone	1
TOTAL	2,815

*Trees occurring in this table were all above the 15 cm dbh
requirement for eligibility in stem mapping.

TABLE 10.--Basal area of tree species in plant communities and habitat types occurring within watershed 10, H. J. Andrews Experimental Forest.

COMMUNITY	BASAL AREA (M ² /hectare) of major species							TOTAL
	PSME	TSHE	CACH	PILA	THPL	ACMA	OTHER	
Tshe/Cach	63.2	3.6	4.6	2.8	1.1	.1	.9	74.6
Tshe/Rhma/Gash	60.0	8.5	.5	.2	2.3	.7	.7	72.9
Tshe/Rhma/Bene	59.5	10.7	.7	-	3.9	.3	.4	75.4
Tshe/Acci/Pomu	36.3	8.5	-	-	2.7	2.0	.7	50.3
Psme/Acci/Bene	52.3	11.1	.7	2.2	1.0	.7	.7	68.8
Psme/Acci/Gash	45.9	7.0	.7	.2	.9	.8	.8	56.4
Riparian	7.7	7.2	-	-	4.8	3.4	4.1	27.3
HABITAT TYPE								
Tshe/Cach	63.2	3.6	4.6	2.8	1.1	.1	.9	74.6
Tshe/Rhma/Gash	52.9	7.8	.7	.2	1.7	.8	.7	64.7
Tshe/Rhma/Bene	55.9	11.0	.7	1.1	2.5	.6	.6	72.3
Tshe/Acci/Pomu	36.3	8.5	-	-	2.7	2.0	.7	50.3

PSME = *Pseudotsuga menziesii*

TSHE = *Tsuga heterophylla*

CACH = *Castanopsis chrysophylla*

PILA = *Pinus lambertiana*

THPL = *Thuja plicata*

ACMA = *Acer macrophyllum*

Rhma = *Rhododendron macrophyllum*

Gash = *Gaultheria shallon*

Bene = *Berberis nervosa*

Acci = *Acer circinatum*

Pomu = *Polystichum munitum*

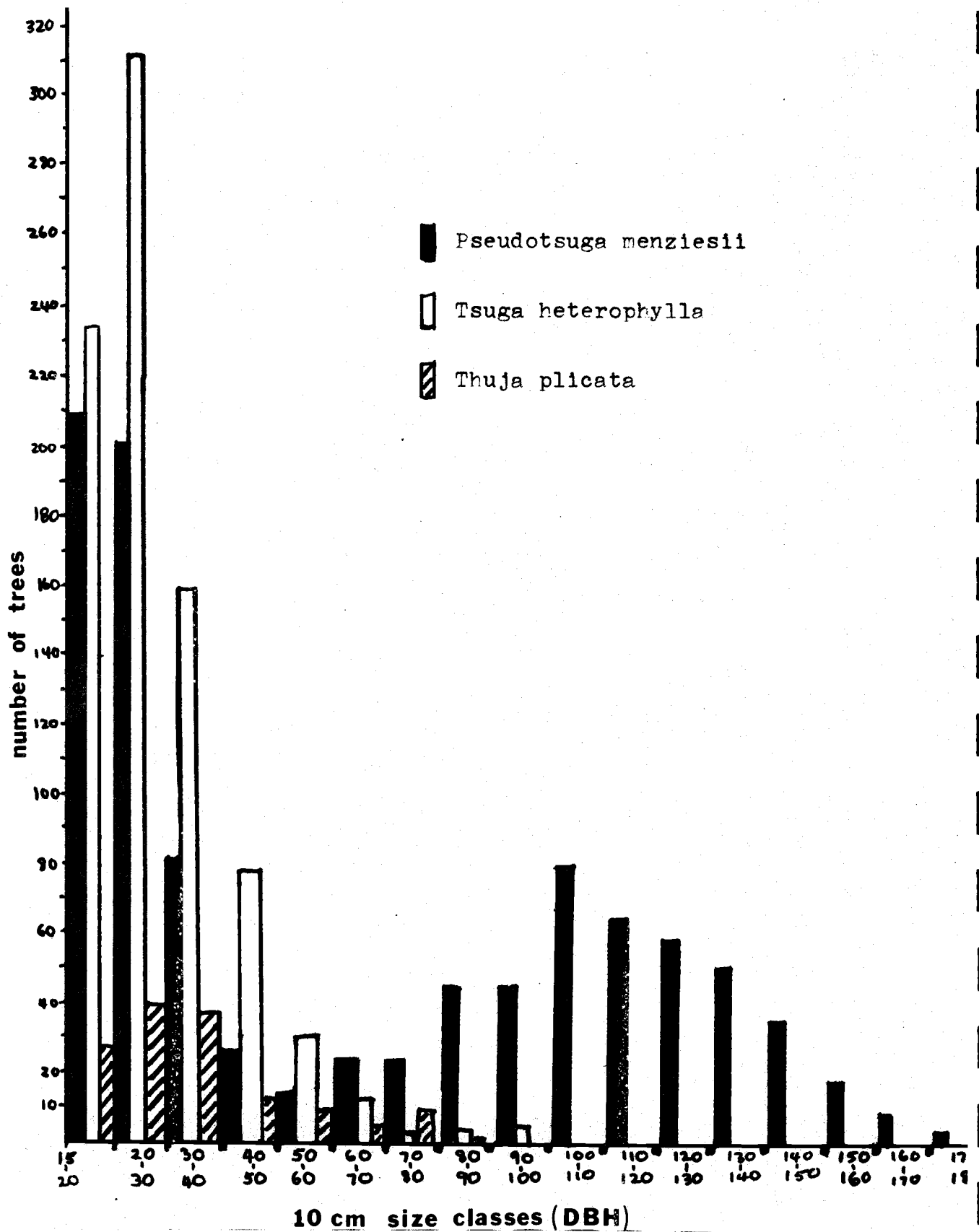


Figure 7. Size class distribution of tree stems within watershed 10, H. J. Andrews Experimental forest.

regards to the class distribution of Tsuga heterophylla, it appears to have a typical J-shaped curve indicative of its seral status over most of the communities within the watershed. The distribution of Thuja plicata indicates that this species is increasing in numbers and will be a subclimax species in association with Tsuga heterophylla over certain portions of the watershed. Acer macrophyllum is represented by a large number of trees in the smaller size classes, 15-40 cm dbh. There are only few places within watershed 10 where A. macrophyllum thrives and it is usually suppressed where it occurs. It is a species that has done well in earlier stages of secondary succession, but cannot survive the severe competition for light and space offered by conifers in older stands.

The only other trees which occur in large numbers within watershed 10 are Castanopsis chrysophylla and Pinus lambertiana. Castanopsis chrysophylla is a hardwood that does not generally attain a very large dbh. This is illustrated by the fact that 518 of 526 trees of this species occur within the 15-30 cm dbh class (Appendix IX). Pinus lambertiana occurs in a variety of size classes within watershed 10, but occurs mostly in the smaller size classes. This species is generally restricted to the more exposed sites at the elevation in watershed 10. It is frequently found in association with Castanopsis chrysophylla and on sites characteristically supporting substantial reproduction of Pseudotsuga menziesii. Other tree species characteristic to the above sites are Libocedrus decurrens and Arbutus menziesii.

The tree basal area values referred to in this report have been determined by a rough calculation of number of tree/hectare/size class multiplied by the cross sectional area of the midpoint of each size class (Table 10). They should not be relied upon for exactness, nor do they imply more than a general idea of the tree biomass since growth rates and growth forms are not consistent from community to community.

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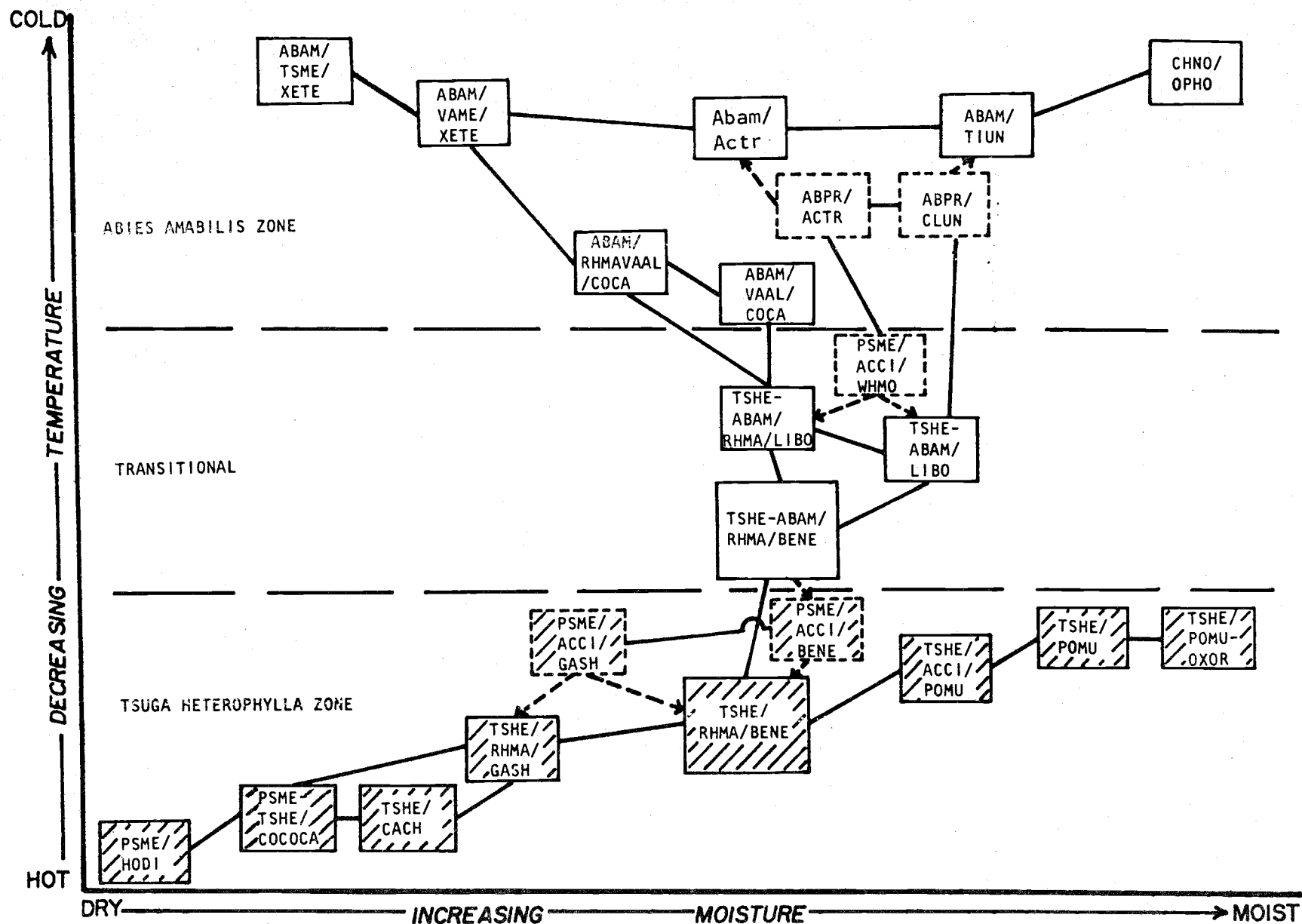
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Appendix 1: Hypothesized relationships among 23 forest communities of the Western Cascades showing their inferred relative position along moisture and temperature gradients.

Appendix 11: Listing of map units (a), area points (b), community (c), primary tree stratum cover class (d), and secondary tree stratum cover class.

A	B	CDE				
1126620	46	50113	91	39112	136	63213
2208630	47	46200	92	52144	137	106133
3237600	48	43202	93	89133	138	37601
4222600	49	176140	94	61114	139	57603
5 30603	50	114130	95	65113	140	25604
6 29643	51	286123	96	45134	141	100630
7 24144	52	161140	97	73134	142	62523
8 49624	53	54102	98	28134	143	71432
9132514	54	71133	99	50234	144	10600
10 93503	55	8100	100	54234	145	26634
11 34600	56	12100	101	10100	146	45100
12 34600	57	109113	102	70224	147	55143
13 27600	58	97123	103	131134	148	134223
14134103	60	161133	104	163144	149	39132
15 15100	61	121104	105	20122	150	14100
16 48101	62	29140	106	53100	151	67104
17 75601	63	41124	107	42104	152	72114
18 19600	64	142112	108	58104	153	113114
19 48401	65	79122	109	69105	154	106124
20 43603	66	54102	110	77102	155	81135
21 61313	67	82132	111	37133	156	48134
22 43304	68	24103	112	8100	157	81114
23156122	69	41104	113	105103	158	53633
24101113	70	61121	114	44103	159	213125
25 7100	71	75103	115	46134	160	97433
26 20600	72	174113	116	22134	161	47124
27 74100	73	66124	117	36124	162	7100
28 37100	74	82122	118	33134	163	42103
29112112	75	12100	119	34134	164	101133
30 77620	76	113112	120	24134	165	84104
31 19402	77	117133	121	36143	166	44603
32 50603	78	80103	122	36104	167	53502
33110413	79	70101	123	23100	168	57124
34242233	80	54132	124	120103	169	59124
35104633	81	143114	125	39134	170	71124
36105123	82	125124	126	91105	171	31123
37233214	83	271114	127	41104	172	168103
38 39411	84	70143	128	114143	173	126114
39 35600	85	44623	129	63135	174	39100
40 19600	86	52623	130	87105	175	70112
41 20500	87	11102	131	52133	176	111224
42 47520	88	105113	132	47133	177	39623
43 16602	89	28123	133	45234	178	62433
44 79233	90	56133	134	64232	179	142613
45145414			135	50614	180	52334
					225	51534

226 70613	266126114	306 61233	346 23404	386114424
227 39214	267 92514	307149623	347 23214	387170312
228 19203	268 64143	308203513	348108404	388 49234
229 43504	269 66115	309130112	349 32423	389106313
230128524	270 46125	310139124	350105104	390 94323
231 9500	271 84105	311 37113	351 73610	391 71333
232 72524	272 80302	312 90113	352 47101	392231424
233 98622	273186603	313 80512	353 4100	393 25404
234 64424	274131313	314218323	354 30105	394 44203
235 83414	275123644	315271335	355109112	395106431
236 29400	276 24423	316 45604	356 77113	396 69424
237 99214	277 79423	317 61613	357 72313	397 23522
238125602	278 97532	318176214	358134334	398 82404
239 59624	279 66605	319120333	359 53333	399129223
240 69614	280 78122	320198414	360 45623	400 51312
241180523	281 86132	321112134	361 76323	401 49300
242182513	282 90614	322 79113	362 57623	402113323
243 67504	283153615	323108123	363 18324	403 6100
244 49711	284 77105	324110623	364 22332	404 52122
245 89633	285 47130	325198613	365 57333	405 3100
246162233	286 63133	326138413	366 36334	406 33124
247163612	287175131	327179232	367 80334	407 32221
248206613	288213115	328 54323	368 48424	408 78213
249 41610	289 51606	329205113	369 22323	409199733
250 37101	290115544	330 49213	370 25314	410 39115
251 43113	291 32310	331162234	371 11413	411 37410
252 13124	292 39522	332152223	372 12700	412 81414
253 57144	293 29603	333 66402	373146424	415 99423
254183113	294 77533	334 56425	374 19404	416 39614
255239600	295120252	335 96414	375 14423	417 82404
256 93615	296 59203	336 43503	376103423	
257114633	297 84732	337109423	377 9423	
258207614	298 4400	338158304	378 86423	
259122333	299103450	339 80214	379 44322	
260105111	300 50403	340116232	380 25522	
261141134	301116435	341 49423	381 19522	
262122111	302211542	342 24422	382 10500	
263 31135	303111312	343 29443	383 12500	
264 6100	304123634	344 24433	384 24523	
265 86105	305 33513	345 12400	385142434	

C = community

- 1= Tshe/Cach community
- 2= Tshe/Rhma/Cash community
- 3= Tshe/Rhma/Bene community
- 4= Tshe/Acci/Pomu community
- 5= Psme/Acci/Bene community
- 6= Psme/Acci/Cash community
- 7= Riparian community

D and E= primary and secondary tree strata respectively: 0=0% cover, 1=1-5% cov, 2= 6-25% cov, 3 = 26-50% cov, 4= 51-75% cov, 5= 76-95% cov, and 6=96-100% cover.

Appendix III. percentages for communities and cover classes of primary and secondary tree strata within watershed 10 , H.J.Andrews Experimental Forest.

C = community

1= Tshe/Cach community

2= Tshe/Rhma/Gash community

3= Tshe/Rhma/Bene community

4= Tshe/Acci/Pomu community

5= Psme/Acci/Bene community

6= Psme/Acci/Gash community

7= Riparian community

D and E= primary and secondary tree strata respectively: 0=0% cover, 1=1-5% cov, 2= 6-25% cov, 3 = 26-50% cov,4= 51-75% cov,5= 76-95% cov, and 6=96-100% cover.

VC =	1	2	3	4	5	6	7
	39.2025	10.0697	8.7120	11.0421	8.8160	21.1057	1.0519
D =	0	1	2	3	4	5	6
	19.2588	29.7168	21.8977	23.5398	4.9049	.6819	0
E =	0	1	2	3	4	5	6
	9.1799	3.2139	11.7791	38.1689	31.2917	6.2106	.1560
C = 1 D =	0	1	2	3	4	5	6
	8.3084	11.8525	7.2626	8.7181	3.0610	0	0
C = 2 D =	0	1	2	3	4	5	6
	.8593	2.5687	1.9204	4.0609	.2936	.3670	0
C = 3 D =	0	1	2	3	4	5	6
	1.0091	2.3210	2.2690	3.1130	0	0	0
C = 4 D =	0	1	2	3	4	5	6
	1.7338	2.8683	4.1465	1.8898	.0887	.3150	0
C = 5 D =	0	1	2	3	4	5	6
	1.4158	2.2078	2.9998	1.1956	.9969	0	0
C = 6 D =	0	1	2	3	4	5	6
	5.8957	7.7488	3.2995	3.6970	.4648	0	0
C = 7 D =	0	1	2	3	4	5	6
	.0367	.1498	0	.8654	0	0	0

C = 1 D = 0 E =	0	1	2	3	4	5
	1.2476	.6177	.5994	2.4219	1.8195	1.6023
C = 1 D = 1 E =	0	1	2	3	4	5
	0	.6941	2.1864	4.0303	3.9692	.9724
C = 1 D = 2 E =	0	1	2	3	4	5
	0	.1865	1.4280	2.4310	2.4249	.7920
C = 1 D = 3 E =	0	1	2	3	4	5
	.5504	.5351	.7981	2.8439	3.4554	.5351
C = 1 D = 4 E =	0	1	2	3	4	5
	1.1192	0	0	1.0366	.9051	0
C = 1 D = 5 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 1 D = 6 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 1 D = 7 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 2 D = 0 E =	0	1	2	3	4	5
	.1407	0	.1315	.3731	.2141	0
C = 2 D = 1 E =	0	1	2	3	4	5
	0	0	0	.5810	1.9876	0
C = 2 D = 2 E =	0	1	2	3	4	5
	0	.0979	0	1.2690	.5535	0
C = 2 D = 3 E =	0	1	2	3	4	5
	0	0	1.0978	1.6635	1.2996	0

C = 2 D = 4 E =	0	1	2	3	4	5
	.2936	0	0	0	0	0
C = 2 D = 5 E =	0	1	2	3	4	5
	0	0	.3670	0	0	0
C = 2 D = 6 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 2 D = 7 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 3 D = 0 E =	0	1	2	3	4	5
	.1498	0	.2446	0	.6146	0
C = 3 D = 1 E =	0	1	2	3	4	5
	.0979	0	1.0152	1.1314	.0764	0
C = 3 D = 2 E =	0	1	2	3	4	5
	0	0	.1345	2.0794	.0550	0
C = 3 D = 3 E =	0	1	2	3	4	5
	0	0	.0673	1.2935	.9235	.8287
C = 3 D = 4 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 3 D = 5 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 3 D = 6 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 3 D = 7 E =	0	1	2	3	4	5
	0	0	0	0	0	0

C = 4 D = 0 E =	0	1	2	3	4	5
	.1376	.1468	.2599	.1529	1.0366	0
C = 4 D = 1 E =	0	1	2	3	4	5
	.1131	.1193	0	.7920	1.8439	0
C = 4 D = 2 E =	0	1	2	3	4	5
	0	0	.0734	1.8470	2.0549	.1712
C = 4 D = 3 E =	0	1	2	3	4	5
	0	.3241	.2171	.5596	.4342	.3547
C = 4 D = 4 E =	0	1	2	3	4	5
	0	0	0	.0887	0	0
C = 4 D = 5 E =	0	1	2	3	4	5
	.3150	0	0	0	0	0
C = 4 D = 6 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 4 D = 7 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 5 D = 0 E =	0	1	2	3	4	5
	.1560	0	.1621	.5749	.5229	0
C = 5 D = 1 E =	0	1	2	3	4	5
	0	0	.2446	1.2782	.6850	0
C = 5 D = 2 E =	0	1	2	3	4	5
	.1437	0	.3241	1.2354	1.2966	0
C = 5 D = 3 E =	0	1	2	3	4	5
	0	0	.2966	.7431	.1560	0

[illegible]

$C = 7 D = 0 E =$	0	1	2	3	4	5	0
	.0367	0	0	0	0	0	0
$C = 7 D = 1 E =$	0	1	2	3	4	5	0
	0	.1498	0	0	0	0	0
$C = 7 D = 2 E =$	0	1	2	3	4	5	0
	0	0	0	0	0	0	0
$C = 7 D = 3 E =$	0	1	2	3	4	5	0
	0	0	.2569	.6085	0	0	0
$C = 7 D = 4 E =$	0	1	2	3	4	5	0
	0	0	0	0	0	0	0
$C = 7 D = 5 E =$	0	1	2	3	4	5	0
	0	0	0	0	0	0	0
$C = 7 D = 6 E =$	0	1	2	3	4	5	0
	0	0	0	0	0	0	0
$C = 7 D = 7 E =$	0	1	2	3	4	5	0
	0	0	0	0	0	0	0
$\sqrt{C} = 1 E =$	0	1	2	3	4	5	
	2.9173	2.0335	5.0119	12.7637	12.5742	3.9019	
$\sqrt{C} = 2 E =$	0	1	2	3	4	5	
	.4342	.0979	1.5962	3.8866	4.0548	0	
$\sqrt{C} = 3 E =$	0	1	2	3	4	5	
	.2477	0	1.4617	4.5043	1.6696	.8287	
$\sqrt{C} = 4 E =$	0	1	2	3	4	5	
	.5657	.5902	.5504	3.4402	5.3697	.5260	
$\sqrt{C} = 5 E =$	0	1	2	3	4	5	
	.2997	0	1.6727	3.8316	3.0120	0	
$\sqrt{C} = 6 E =$	0	1	2	3	4	5	
	4.6786	.3425	1.2293	9.1340	4.6113	.9541	
$\sqrt{C} = 7 E =$	0	1	2	3	4	5	
	.0367	.1498	.2569	.6085	0	0	

$D = 0 E =$	0 4.6358	1 1.1070	2 1.8286	3 5.3055	4 4.4217	5 1.8042
$D = 1 E =$	0 .5596	1 .9632	2 3.9447	3 11.0849	4 11.4397	5 1.7247
$D = 2 E =$	0 .7645	1 .2844	2 2.2598	3 10.9106	4 6.7152	5 .9632
$D = 3 E =$	0 1.4923	1 .8593	2 2.7338	3 9.6538	4 7.0821	5 1.7185
$D = 4 E =$	0 1.4128	1 0	2 .6452	3 1.2140	4 1.6329	5 0
$D = 5 E =$	0 .3150	1 0	2 .3670	3 0	4 0	5 0
$D = 6 E =$	0 0	1 0	2 0	3 0	4 0	5 0
$D = 7 E =$	0 0	1 0	2 0	3 0	4 0	5 0

Appendix IV. area in hectares of communities, cover classes and various combinations of them occurring in watershed 10, H.J.Andrews Experimental Forest.

C = community

- 1= Tshe/Cach community
2= Tshe/Rhma/Gash community
3= Tshe/Rhma/Bene community
4= Tshe/Acci/Pomu community

- 5= Psme/Acci/Bene community
6= Psme/Acci/Gash community
7= Riparian community

D and E= primary and secondary tree strata respectively: 0=0% cover, 1=1-5% cov, 2= 6-25% cov, 3 = 26-50% cov, 4= 51-75% cov, 5= 76-95% cov, and 6=96-100% cover.

C =	1 ✓	2 ✓	3 ✓	4 ✓	5 ✓	6 ✓	7 ✓
	4.0143	1.0311	.8921	1.1307	.9028	2.1612	.1077
D =	0	1	2	3	4	5	6
	1.9721	3.0430	2.2423	2.4105	.5023	.0698	0
E =	0	1	2	3	4	5	6
	.9400	.3291	1.2062	3.9085	3.2043	.6360	.0160
✓ C = 1 D =	0	1	2	3	4	5	6
	.8508	1.2137	.7437	.8927	.3134	0	
C = 2 D =	0	1	2	3	4	5	6
	.0880	.2630	.1966	.4158	.0301	.0376	
C = 3 D =	0	1	2	3	4	5	6
	.1033	.2377	.2323	.3188	0	0	
C = 4 D =	0	1	2	3	4	5	6
	.1775	.2937	.4246	.1935	.0091	.0323	
C = 5 D =	0	1	2	3	4	5	6
	.1450	.2261	.3072	.1224	.1021	0	
C = 6 D =	0	1	2	3	4	5	6
	.6037	.7935	.3379	.3786	.0476	0	
C = 7 D =	0	1	2	3	4	5	6
	.0038	.0153	0	.0886	0	0	

C = F D = 0 E =	0 [✓]	1	2	3	4	5
	.1278	.0633	.0614	.2480	.1863	.1641
C = 1 D = 1 E =	0 [✓]	1	2	3	4	5
	0	.0711	.2239	.4127	.4064	.0996
C = 1 D = 2 E =	0 [✓]	1	2	3	4	5
	0	.0191	.1462	.2489	.2483	.0811
C = 1 D = 3 E =	0 [✓]	1	2	3	4	5
	.0564	.0548	.0817	.2912	.3538	.0548
C = 1 D = 4 E =	0 [✓]	1	2	3	4	5
	.1146	0	0	.1062	.0927	0
C = 1 D = 5 E =	0 [✓]	1	2	3	4	5
	0	0	0	0	0	0
C = 1 D = 6 E =	0 [✓]	1	2	3	4	5
	0	0	0	0	0	0
C = 1 D = 7 E =	0 [✓]	1	2	3	4	5
	0	0	0	0	0	0
C = 2 D = 0 E =	0	1	2	3	4	5
	.0144	0	.0135	.0382	.0219	0
C = 2 D = 1 E =	0	1	2	3	4	5
	0	0	0	.0595	.2035	0
C = 2 D = 2 E =	0	1	2	3	4	5
	0	.0100	0	.1299	.0567	0
C = 2 D = 3 E =	0	1	2	3	4	5
	0	0	.1124	.1703	.1331	0
C = 2 D = 4 E =	0	1	2	3	4	5
	.0301	0	0	0	0	0

C = 2 D = 5 E =	0	0	1	0	2	.0376	3	0	4	0	5	0
C = 2 D = 6 E =	0	0	1	0	2	0	3	0	4	0	5	0
C = 2 D = 7 E =	0	0	1	0	2	0	3	0	4	0	5	0
C = 3 D = 0 E =	0	.0153	1	0	2	.0251	3	0	4	.0629	5	0
C = 3 D = 1 E =	0	.0100	1	0	2	.1040	3	.1159	4	.0078	5	0
C = 3 D = 2 E =	0	0	1	0	2	.0138	3	.2129	4	.0056	5	0
C = 3 D = 3 E =	0	0	1	0	2	.0069	3	.1325	4	.0946	5	.0849
C = 3 D = 4 E =	0	0	1	0	2	0	3	0	4	0	5	0
C = 3 D = 5 E =	0	0	1	0	2	0	3	0	4	0	5	0
C = 3 D = 6 E =	0	0	1	0	2	0	3	0	4	0	5	0
C = 3 D = 7 E =	0	0	1	0	2	0	3	0	4	0	5	0
C = 4 D = 0 E =	0	.0141	1	.0150	2	.0266	3	.0157	4	.1062	5	0
C = 4 D = 1 E =	0	.0116	1	.0122	2	0	3	.0811	4	.1888	5	0

C = 4 D = 2 E =	0	1	2	3	4	5
	0	0	.0075	.1891	.2104	.0175

C = 4 D = 3 E =	0	1	2	3	4	5
	0	.0332	.0222	.0573	.0445	.0363

C = 4 D = 4 E =	0	1	2	3	4	5
	0	0	0	.0091	0	0

C = 4 D = 5 E =	0	1	2	3	4	5
	.0323	0	0	0	0	0

C = 4 D = 6 E =	0	1	2	3	4	5
	0	0	0	0	0	0

C = 5 D = 0 E =	0	1	2	3	4	5
	.0160	0	.0166	.0589	.0535	0

C = 5 D = 1 E =	0	1	2	3	4	5
	0	0	.0251	.1309	.0701	0

C = 5 D = 2 E =	0	1	2	3	4	5
	.0147	0	.0332	.1265	.1328	0

C = 5 D = 3 E =	0	1	2	3	4	5
	0	0	.0304	.0761	.0160	0

C = 5 D = 4 E =	0	1	2	3	4	5
	0	0	.0661	0	.0360	0

C = 5 D = 5 E =	0	1	2	3	4	5
	0	0	0	0	0	0

C = 5 D = 6 E =	0	1	2	3	4	5
	0	0	0	0	0	0

C = 6 D = 0 E =	0	1	2	3	4	5
	.2834	.0351	.0442	.1826	.0219	.0207
C = 6 D = 1 E =	0	1	2	3	4	5
	.0357	0	.0510	.3350	.2947	.0770
C = 6 D = 2 E =	0	1	2	3	4	5
	.0636	0	.0307	.2098	.0338	0
C = 6 D = 3 E =	0	1	2	3	4	5
	.0964	0	0	.1988	.0833	0
C = 6 D = 4 E =	0	1	2	3	4	5
	0	0	0	.0091	.0385	0
C = 6 D = 5 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 6 D = 6 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 7 D = 0 E =	0	1	2	3	4	5
	.0038	0	0	0	0	0
C = 7 D = 1 E =	0	1	2	3	4	5
	0	.0153	0	0	0	0
C = 7 D = 2 E =	0	1	2	3	4	5
	0	0	0	0	0	0
C = 7 D = 3 E =	0	1	2	3	4	5
	0	0	.0263	.0623	0	0

D = 0 E =	0	1	2	3	4	5
	.4747	.1134	.1873	.5433	.4528	.1847
D = 1 E =	0	1	2	3	4	5
	.0573	.0986	.4039	1.1351	1.1714	.1766
D = 2 E =	0	1	2	3	4	5
	.0783	.0291	.2314	1.1173	.6876	.0986
D = 3 E =	0	1	2	3	4	5
	.1528	.0880	.2799	.9886	.7252	.1760
D = 4 E =	0	1	2	3	4	5
	.1447	0	.0661	.1243	.1672	0
D = 5 E =	0	1	2	3	4	5
	.0323	0	.0376	0	0	0
C = 1 E =	0	1	2	3	4	5
	.2987	.2082	.5132	1.3070	1.2876	.3996
C = 2 E =	0	1	2	3	4	5
	.0445	.0100	.1635	.3980	.4152	0
C = 3 E =	0	1	2	3	4	5
	.0254	0	.1497	.4612	.1710	.0849
C = 4 E =	0	1	2	3	4	5
	.0579	.0604	.0564	.3523	.5499	.0539
C = 5 E =	0	1	2	3	4	5
	.0307	0	.1713	.3924	.3084	0
C = 6 E =	0	1	2	3	4	5
	.4791	.0351	.1259	.9353	.4722	.0977
C = 7 E =	0	1	2	3	4	5
	.0038	.0153	.0263	.0623	0	0

APPENDIX V

Map symbols for the 414 individual mapped units in Watershed 10.

1. Psme-Tshe 2: ----: Acci-Rhma 2: Gash 2.
2. Tshe-Psme 3: ----: Acci-Rhma 2: Gash 2.
3. ----: ----: DISTURBED AREA
4. ----: ----: Acci-Rhma 2: Gash 2.
5. ----: Tshe-Psme 3: Acci-Rhma 4: Gash 3.
6. Conifer 4: Tshe 3: Rhma 4: Bene-Gash Libo 4.
7. Conifer 4: Tshe Cach 4: Rhma 3: Bene Gash 3.
8. Psme 2: Tshe 4: Acci 4: Gash 5 (Libo).
9. Psme 1: Psme-Tshe 4: Acci 3: Bene Gash Pomu 4.
10. ----: Tshe Psme 3: Acci Conu Rhma 4: Bene Gash Pomu 3.
11. ----: ----: Acci Coco 5: Gash Bene Pomu 5.
12. ----: ----: Acci Coco 4: Gash Bene 3.
13. ----: ----: Acci Rhma 3: ----.
14. ----: Psme Tshe Thpl 3: Rhma Acci Coco Cach 2: Gash Bene Libbo 3.
15. ----: ----: Acci Rhma Coco Conu 6: Gash 4.
16. ----: Thpl 1: Rhma 2: Gash Whmo 4.
17. ----: ----: Acci Coco 1: Gash 2 (Whmo).
18. ----: ----: Coco Conu Acci 4: Gash 4.
19. ----: Psme Tshe 1: Acci Conu 3: Pomu Gash 4.
20. ----: Psme Thpl Tabr 3: Acci Rhma 3: Gash Pomu 4.
21. Psme 1: Tshe Tabr 3: Rhma Acci 4: Bene Gash 4.
22. ----: Tshe Thpl Tabr 4: Rhma 2: Pomu Libo Cola 4.
23. Psme 2: Cach 2: Rhma Acci 5: Gash Bene 4.
24. Psme 1: Cach 3: Rhma Acci 4: Gash Bene 2.
25. Ravel.
26. Ravel. Gash 2.
27. ----: ----: Acci Rhma Coco Cach 6: Gash 5.
28. ----: ----: Acci 2: Gash Bene 2.
29. Conifer 1: Cach Conu 2: Acci Rhma 4.
30. Conifer 2: ----: Acci 3: Gash Bene Pomu Libo 3.
31. ----: Thpl 2: Coco 2: Bene Gash 2.
32. ----: Tshe Thpl 3: Acci Conu 3: Gash Pomu 2.
33. Psme 1: Tshe Thpl 3: Acma Acci Conu Rhma 4: Pomu Gash 3.
34. Psme 3: Psme Tshe 3: Rhma Acci 5: Gash Libo 4.
35. Psme 3: Tshe Cach 3: Acci Rhma 4: Gash 4.
36. Psme 2: Psme Tshe 3: Acci Cach Rhma 3: Bene Gash 4.
37. Psme 1: Psme 4: Rhma Acci 3: Gash Pomu 3.
38. Conifer 1: Acma 1: Acci 3: Pomu Gash Bene 3.
39. ----: ----: Acci Coco 4: Gash Pomu Bene 4.
40. ----: ----: Acci 2: Gash Bene Pomu 2.
41. ----: ----: Acci Rhma Coco 5: Gash Bene 4.
42. Conifer 2: ----: Acci 3: Bene Gash Pomu 3.
43. ----: Conifer 2: Tabr 2: Bene Pomu Gash 1.
44. Tshe Thpl 3: Tabr 3: Rhma Acci 1: Gash Pomu 1.
45. Psme 1: Tshe Acma Thpl 4: Acci 4: Pomu 2.
46. Conifer 1: Cach Conu Acma 3: Acci Rhma 4: Gash 4.
47. ----: ----: Rhma Acci 6: Gash 4.

48. ----: Conifer 2: Rhma Conu Acci 5: Gash Bene 4.
49. Psme Tshe 4: ----: Rhma Acci Cach 3: Gash Bene 3.
50. Psme 3: ----: Cach 2: Rhma Gash 4.
51. Psme 2: Cach 3: Rhma Acci 3: Gash Bene Xete 4.
52. Psme Tshe 4: ----: Acci Rhma Cach 3: Gash 3.
53. ----: Psme 2: Acci Rhma Cach 5: Gash Bene 3.
54. Psme 3: Cach 3: Acci Rhma 3: Gash Bene 4.
55. Ravel.
56. Ravel.
57. Conifer 1: Cach 3: Rhma 3: Gash Xete 3.
58. Psme 2: Cach 3: Rhma Acci 2: Gash Xete 3.
59. ----: ----: Rhma 1: Gash Xete 4.
60. Psme 3: Cach 3: Rhma Acci 4: Gash Xete 2.
61. ----: Cach 4: Rhma 3: Gash Xete 2.
62. Conifer 4: ----: Acci Rhma 1: Gash 2.
63. Conifer 2: Cach Conu 4: Acci Bene 2: Gash 3.
64. Conifer 1: Cach 2: Rhma 2: Gash Xete 3.
65. Conifer 2: Cach 2: Rhma 1: Gash Xete 4.
66. ----: Cach 2: Rhma 2: Gash Xete 3.
67. Conifer 3: Cach Conu 2: Rhma 2: Gash Xete 3.
68. ----: Cach Conu 3: Rhma 2: Gash Xete 3.
69. ----: Tshe Psme 4: Rhma 2: Xete Gash 3.
70. Psme 2: Cach 1: Rhma 3: Gash Xete Bene 3.
71. ----: Cach 3: Rhma 3: Gash Xete 3.
72. Pila 1 Cach 3: Rhma 2: Gash Xete 4.
73. Conifer 2: Cach 4: Rhma Acci 3: Gash Xete 3.
74. Pila 2: Psme Tshe 2: Rhma Acci Cach 4 Gash 4.
75. Xete.
76. Conifer 1: Cach 2: Rhma Acci 3: Gash Xete 2.
77. Psme 3: Cach 3: Rhma 4: Gash 4.
78. ----: Cach 3: Rhma Acci 4: Gash Xete 4.
79. ----: Cach 1: Rhma Acci 5: Gash Bene 2.
80. Conifer 3: Cach Conu 2: Rhma Acci 3: Gash 3.
81. Psme 1: Tshe Conu Cach 4: Rhma Acci 3: Gash 4.
82. Psme 2: Pila Cach 4: Rhma Acci 3: Gash Bene 4.
83. Psme Pila 1: Psme Tshe Cach Conu 4: Rhma 4: Gash 4.
84. Psme 4: Psme Cach 3: Rhma Acci Conu 3: Bene Gash 3.
85. Psme 2: Psme Tshe 3: Acci Rhma 4: Gash 3.
86. Psme 2: Psme Tshe 3: Acci Conu 3: Gash 3.
87. ----: Tshe Cach 2: Rhma 4: Gash 3.
88. Psme 1: Tshe Cach 3: Rhma 4: Gash 3.
89. Pila 2: Cach Tshe 3: Rhma 3: Gash 3.
90. Pila Lide 3: Tshe Cach 3: Rhma 4: Gash 2.
91. Psme 1: Tshe 2: Cach Rhma 6: Gash 3.
92. Psme 4: Pila Psme 4: Cach Rhma 5: Bene Gash 2.
93. Psme 3: Tshe 3: Rhma 5: Bene Gash 3.
94. Psme 1: Tshe 4: Rhma 4: Bene Gash 3.
95. Psme 1: Tshe Pila 3: Cach Rhma 5: Bene Gash 4.
96. Psme 3: Cach 4: Rhma 4: Bene Gash 3.
97. Psme 3: Cach 4: Rhma 4: Gash 4.
98. Psme 3: Cach 4: Rhma 4: Gash 3.
99. Psme 3: Tshe 4: Rhma 4: Gash 4. (Xete.)
100. Psme 3: Tshe 4: Rhma 4: Gash 3.

101. Xete
102. Psme 2: Tshe 4: Rhma 4: Bene Gash 4.
103. Psme 3: Cach 4: Rhma 4: Gash 4.
104. Psme 4: Cach 4: Rhma 3: Gash 4.
105. Psme 2: Cach 2: Rhma : Gash 4.
106. Xete.
107. ----: Psme 4: Acci Rhma 3: Gash 4.
108. ----: Psme 4: Cach Rhma 5: Gash 4.
109. ----: Psme 5: Rhma 4: Gash 3.
110. ----: Psme 2: Acci Hodi 3: Gash 4.
111. Psme 3: Cach 3: Rhma 4: Gash 4.
112. Xete.
113. ----: Cach 3: Rhma 4: Gash 5.
114. ----: Psme 3: Cach Rhma 5: Gash 4.
115. Pila Psme 3: Cach 4: Rhma 4: Gash 3.
116. Psme 3: Cach 4: Rhma 5: Gash 3.
117. Psme 2: Cach 4: Rhma 3: Gash 4.
118. Psme Tshe 3: Cach 4: Rhma 4: Gash 3.
119. Psme 3: Cach 4: Rhma 5: Gash 3.
120. Psme 3: Cach 4: Rhma 4: Gash 3.
121. Psme 4: Cach 3: Rhma 4: Gash 3.
122. ----: Psme 4: Cach 4: Gash 4.
123. Ravel.
124. ----: Cach 3: Rhma 3: Gash 4.
125. Psme 3: Cach 4: Rhma 4: Gash 4.
126. ----: Cach 5: Rhma 4: Gash 3.
127. ----: Cach 4: Rhma 4: Gash 4.
128. Psme Tshe 4: Cach 3: Rhma 4: Gash 3.
129. Psme 3: Tshe Cach 5: Rhma 4: Gash 4.
130. ----: Psme Cach 5: Rhma 4: Gash 4.
131. Psme 3: Cach 3: Rhma 4: Gash 3.
132. Psme 3: Cach Conu 3: Rhma 4: Gash 3.
133. Psme 3: Acci 4: Rhma 3: Gash 3.
134. Psme 3: Tshe 2: Rhma 4: Gash 3.
135. Psme 1: Tshe 4: Acci Conu 4: Bene Gash 4.
136. Psme 1: Tshe Conu 3: Rhma 4: Gash 4.
137. Psme 3: Cach 3: Rhma 4: Gash 3.
138. ----: Psme 1: Acci 4: Gash 3.
139. ----: Psme 3: Acci Rhma 4: Gash 4.
140. ----: Psme 4: Acci 4: Bene 3.
141. Psme Thpl 3: ----: Acci 4: Gash 3.
142. Psme 2: Tshe 3: Acci 4: Bene Gash 3.
143. Psme 3: Tshe 2: Acci 4: Pomu 2.
144. Rock Outcrop.
145. Psme 3: Psme 4: Acci 3: Gash 3.
146. Xete.
147. Psme 4: Cach 3: Rhma 4: Gash 3.
148. Psme 2: Psme 3: Rhma 3: Gash 4.
149. Psme Pila 3: Cach 2: Acci Rhma 4: Gash 4.
150. Xete.

151. ----: Cach 4: Rhma 4: Gash 2.
152. Psme 1: Cach Psme 4: Rhma 4: Gash 4.
153. Psme 1: Cach 4: Rhma 5: Gash 3.
154. Psme 2: Cach 4: Rhma 4: Gash 4.
155. Psme 3: Cach 5: Rhma 3: Bene Gash 2.
156. Psme 3: Cach 4: Rhma 4: Bene Gash 3.
157. Psme 1: Pila Tshe 4: Cach Rhma 5: Bene Gash 5.
158. Psme 3: Psme Pila 3: Acci Cach 4: Gash 3.
159. Psme 2: Psme Cach 5: Rhma 4: Gash 4.
160. Psme 3: Thpl Tshe 3: Acci 4: Pomu 3.
161. Thpl 2: Tshe Psme 4: Acci 3: Pomu 3.
162. Xete.
163. ----: Psme Tshe 3: Cach Rhma 4: Gash 4.
164. Psme 3: Tshe 3: Cach Rhma 4: Gash 4.
165. ----: Psme 4: Cach Rhma 3: Gash 3.
166. ----: Psme Tshe Cach 3: Rhma 3: Gash 4.
167. ----: Psme 2: Tshe Cach Acci 4: Bene Gash 3.
168. Psme 2: Cach Tshe 4: Rhma 4: Bene Gash 4.
169. Psme 2: Cach 4: Rhma 4: Gash Bene 4.
170. Pila 2: Cach 4: Rhma 5: Gash 3.
171. Pila 2: Tshe Cach 3: Rhma 4: Gash 3.
172. ----: Psme Acma Cach 3: Rhma 3: Gash 4.
173. Psme 1: Cach 4: Rhma 2: Gash 4.
174. Ravel.
175. Psme 1: Cach 2: Rhma 3: Gash 3.
176. Psme 2: Tshe Acma 4: Rhma 4: Gash 4.
177. Psme 2: Psme Tshe Thpl 3: Acci Conu 3: Gash 3.
178. Psme Tshe 3: Acma 3: Acci 4: Pomu 3.
179. Psme 1: Tshe 3: Acci 4: Gash 3.
180. Psme 3: Tshe 4: Rhma 3: Bene Gash 3.
181. Psme 2: Psme Tshe 3: Acci 4: Bene Gash 3.
182. Psme 1: Tshe Conu 3: Acci 3: Gash 3.
183. Psme 1: Psme Cach 3: Acci 4: Gash 3.
184. Psme 1: Psme Tshe 3: Acci Cach 3: Gash 3.
185. Acma 3: Psme Cach 4: Rhma 3: Gash 2.
186. Psme 3: ----: Acci Cach Conu 4: Gash 4.
187. Psme 3: Tshe Acma 3: Conu Cach 3: Gash 4.
188. Psme 1: Cach 4: Rhma 5: Gash 3.
189. Psme 3: Tshe Cach Conu 4: Rhma 4: Gash 4.
190. Psme 2: Psme Tshe 3: Cach Rhma 5: Gash 2.
191. Psme 3: Cach 4: Rhma 3: Gash 3.
192. Psme 2: Cach 3: Rhma 3: Gash 4.
193. Psme 1: Cach 4: Rhma 3: Gash 4.
194. Xete.
195. Xete.
196. Xete.
197. ----: Psme 4: Acci 5: Bene Gash 4.
198. Psme 2: Psme 3: Rhma 3: Bene Gash 3.
199. ----: Psme 4: Acci Rhma 4: Gash 3.
200. Psme Tshe 4: ----: Rhma 3: Gash 3.

201. ----: Psme 3: Acci 4: Bene Gash 4.
202. ----: Psme Conu 4: Acci 3: Gash 3.
203. Psme 1: Acma Cach 4: Rhma 3: Gash 3.
204. Psme 1: Psme Cach 4: Rhma 2: Gash 3.
205. ----: Psme Acma 3: Acci 3: Gash 3.
206. ----: Psme Tshe 3: Acci Conu 4: Gash 3.
207. Psme 3: Tshe 3: Acci Conu 4: Gash 3.
208. Psme 3: Tshe 4: Acci Conu 3: Gash 3.
209. Psme 3: Acci Conu 4: Rhma 3: Gash 3.
210. Psme 3: Cach Conu 4: Rhma 3: Gash 4.
211. Psme 3: Acma Psme 3: Acci 4: Gash 3.
212. Psme 2: Acma Psme 3: Conu 2: Gash 4.
213. Psme 1: Psme Tshe 4: Acci Rhma 3: Gash Bene 4.
214. Psme 1: Tshe 4: Acci 3: Gash 3.
215. Psme 1: Psme Tshe 4: Acci 4: Gash 3.
216. Psme 3: Psme Tshe 3: Acci Rhma 4: Bene Gash 3.
217. Psme 1: Psme Tshe Pila 3: Acci 3: Gash 3.
218. Psme 1: Psme Tshe Acma 4: Acci Cach Rhma 3: Gash 2.
219. Psme 1: Psme Cach 4: Acci 4: Gash 3.
220. Xete.
221. Psme 3: Psme 4: Acci 2: Gash 3.
222. Psme 2: Tshe 3: Acci Conu 3: Gash 3.
223. Psme 2: Tshe Psme 3: Acci Conu 4: Gash 4.
224. Psme 2: Tshe 4: Acci 3: Bene Gash 4.
225. Tshe 3: Acci Conu 4: Rhma 2: Bene Gash 3.
226. Psme 1: Tshe 3: Acci Conu 4: Gash 4.
227. Psme 1: Tshe 4: Rhma 4: Gash 4.
228. ----: Psme 3: Coco 3: Whmo herb 3.
229. ----: Tshe Psme 4: Mixed shrub 4: Whmo herb 3.
230. Psme 2: Tshe 4: Acci Conu 3: Bene Gash 4.
231. Rock outcrop.
232. Psme 2: Psme Tshe 4: Acci Rhma 4: Bene Gash 3.
233. Psme 2: Conifer 2: Acci Conu 3: Pomu Gash Bene 3.
234. Psme 2: Tshe Thpl 4: Acci 3: Pomu Gash 3.
235. Psme 1: Tshe Thpl Psme 4: Acci 4: Pomu 3.
236. ----: ----: Acci 3: Whmo 4.
237. Psme 1: Acma Psme Tshe 4: Rhma Cach 5: Gash 2.
238. ----: Acci 4: Gash Bene 3.
239. Psme 2: Tshe Cach 4: Acci Conu 4: Gash 4.
240. Psme 1: Tshe Psme 4: Acci Conu 3: Gash 4.
241. Psme 2: Psme Tshe 3: Conu Acci Rhma 3: Bene Gash 3.
242. Psme 1: Tshe 3: Acci Conu 3: Bene Gash 4.
243. ----: Psme Tshe 4: Acci Rhma 4: Bene Gash 4.
244. Psme 1: Acma 1: ----: Pomu Vahe 1.
245. Psme 3: Tshe Cach 3: Acci Rhma 3: Gash 4.
246. Psme 3: Tshe Thpl 3: Rhma 3: Pomu Gash 2.
247. Psme 1: Tshe Psme 2: Acci Rhma Cach Conu 5: Gash 4.
248. Psme 1: Tshe Conu 3: Acci Rhma 4: Gash Pomu 3.
249. Psme 1: ----: Acci 3: Xete Gash Bene 4.
250. ----: Conifer 1: Tshe Cach 4: Gash 4.

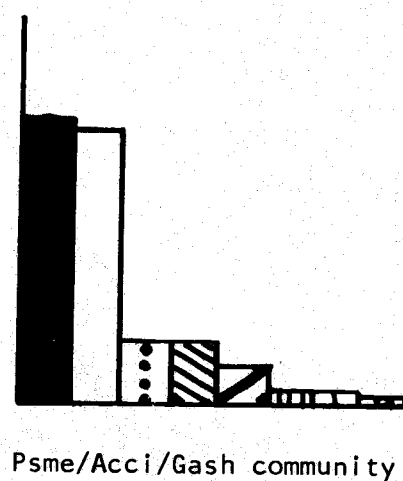
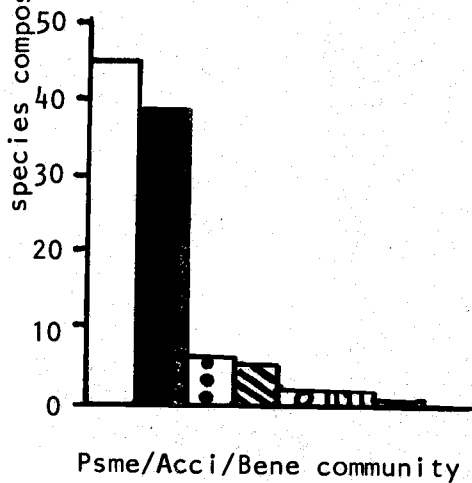
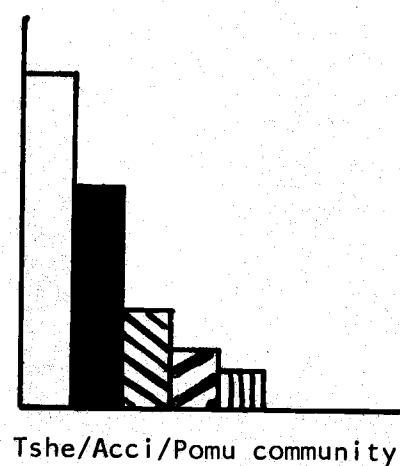
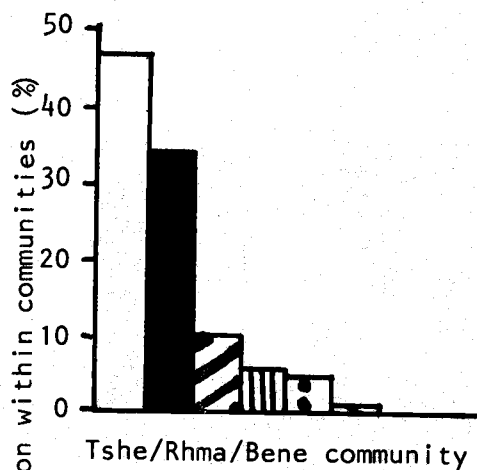
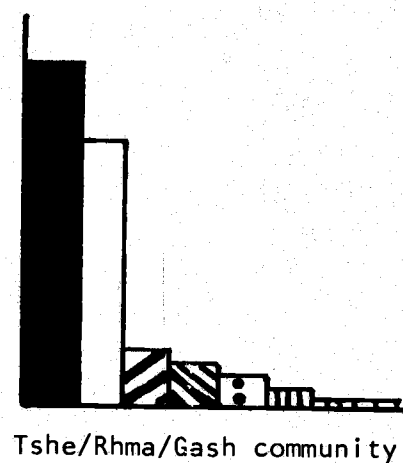
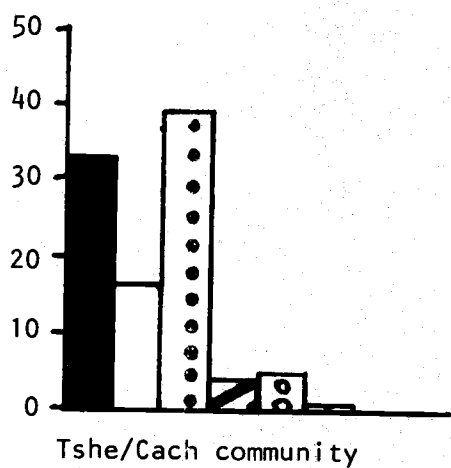
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252. Conifer 2: Tshe Cach 4: Rhma 4: Gash 5.
253. Psme 4: Tshe Cach 4: Rhma Acci 3: Gash Bene 3.
254. Psme 1: Tshe Thpl 3: Rhma Acci: Cach 3: Gash 2.
255. ----: ----: Acci Rhma Conu 5: Gash Bene 5.
256. Psme 1: Tshe Acma Conu Tabr 5: Acci Rhma 5: Gash 3.
257. Psme 3: Tshe Thpl Acma 3: Acci Rhma Conu 3: Gash Bene 3.
258. Psme 1: Thpl Tshe 4: Acci Rhma 3: Gash Pomu 3.
259. Psme 3: Tshe Thpl 3: Rhma 3: Gash 3.
260. Psme 1: Tshe 1: Acci Rhma Cach 3: Gash 4.
261. Conifer 3: Tshe Cach 4: Rhma Acci 3: Gash 4.
262. Psme 1: Tshe 1: Acci Rhma Cach 3: Gash 4.
263. Psme 3: Cach 5: Rhma 3: Gash 4.
264. Xete.
265. ----: Tshe Cach 5: Rhma 4: Gash 4.
266. Psme 1: Tshe Psme 4: Rhma Cach Acci 3: Gash Bene 3.
267. Psme 1: Psme Tshe 4: Acci Rhma Tabr 4: Bene Gash 4.
268. Psme Tshe 4: Acci Cach 3: Rhma Tabr 3: Bene Gash 4.
269. Psme 1: Psme Tshe Acma Cach Conu 5: Rhma 4: Gash Bene 3.
270. Psme 2: Cach Tshe 5: Rhma 3: Gash Bene Xete 4.
271. ----: Psme Cach 5: Rhma Conu 3: Gash Bene 3.
272. ----: Psme Tshe 2: Rhma Acci 3: Bene Gash 3.
273. ----: Psme 3: Acci Rhma 4: Gash Bene 4.
274. Psme 1: Psme Conu Cach 3: Rhma Acci 3: Gash Bene 3.
275. Psme Tshe 4: Tabr Acma 4: Acci Conu Rhma 3: Gash Bene Pomu 2.
276. Conifer 2: Conifer 2: Acci Rhma 3: Pomu Bene Gash 3.
277. Conifer 2: Tabr 3: Acci Rhma 3: Pomu Gash 3.
278. Psme Tshe Pila 3: Tshe Tabr 2: Acci Rhma Conu 3: Bene Gash 2.
279. ----: Psme Tshe 5: Acci Rhma 4: Gash Bene 2.
280. Psme 2: Tshe 2: Cach Conu 2: Gash Bene 3.
281. Psme Tshe 3: Tshe Cach 2: Rhma 3: Gash Bene 4.
282. Psme 1: Tshe 4: Acci Rhma 2: Gash Bene 1.
283. Psme 1: ----: Acci Rhma 5: Gash Bene 4.
284. ----: Tshe 5: Rhma 1: Xete 2.
285. Psme 3: ----: Rhma Cach Acci 3: Gash Bene Xete 4.
286. Psme Tshe 3: Tshe Cach Conu 3: Rhma 5: Xete Gash 4.
287. Tshe 3: Cach Tabr 1: Rhma Acci 4: Bene Gash 4.
288. Psme 1: Tshe Cach 5: Rhma 4: Gash Xete 5.
289. ----: Tshe 6: Acci Conu 4: Bene Gash Pomu 2.
290. Tshe Psme 4: Tshe Tabr 4: Acci Rhma 1: Bene Pomu 1.
291. Conifer 1: ----: Acci Rhma 5: Gash Bene Pomu 3.
292. Conifer 2: Acma 2: Acci Rhma 2: Bene Pomu Gash 3.
293. ----: Psme 3: Acci 4: Gash Bene Pomu 5.
294. Conifer 3: Acma 3: Acci Rhma 3: Bene Pomu Gash 3.
295. Conifer 5: Acma 2: Rhma 1: Gash Pomu 1.
296. ----: Conifer 3: Conu 3: Gash Pomu 4.
297. Conifer 3: Acma 2: Acci 2: Arca Pomu Adpe 4.
298. ----: ----: ----: Whmo Gash 2.
299. Psme 5: ----: Acci Tabr 4: Gash Bene 4.
300. ----: Psme 3: ----: Pomu Vahe 4.

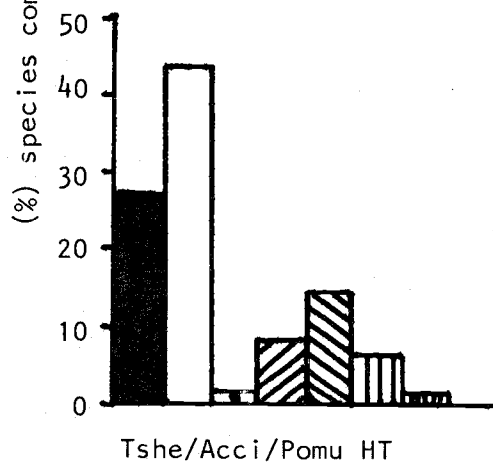
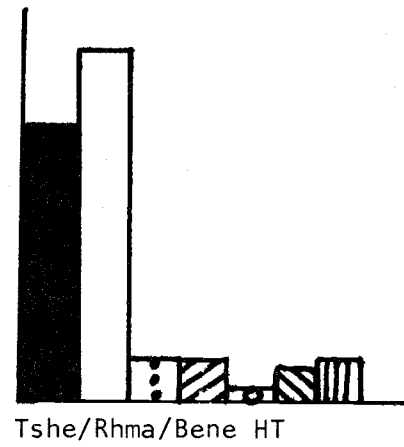
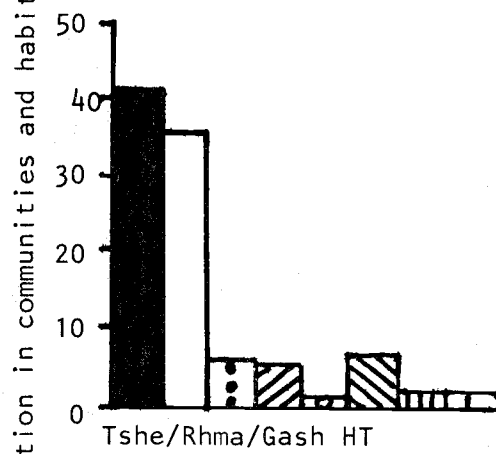
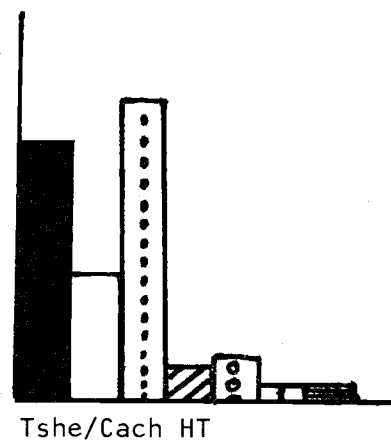
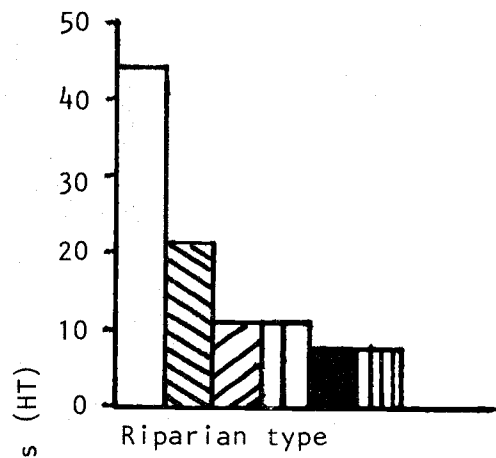
301. Psme 3: Tshe Acma 5: Acci Rhma Conu 4: Pomu Gash 3.
302. Conifer 4: Acma 2: Conu Acci Rhma 2: Bene Gash Pomu 2.
303. Conifer 1: Tshe Tabr 2: Conu Rhma 1: Gash Bene 3.
304. Psme 3: Tshe 4: Acci Rhma 2: Gash Bene Pomu 3.
305. Conifer 1: Tshe Cach 3: Acci Rhma 3: Bene Pomu 4.
306. Psme 3: Tshe 3: Rhma Acci conu 5: Gash Bene Pomu 4.
307. Psme 2: Tshe 3: Conu Acci Rhma 4: Gash Bene 4.
308. Psme 1: Tshe conu 3: Acci Rhma 4: Bene Gash 3.
309. Psme 1: Tshe Cach 2: Rhma Acci 5: Gash 2.
310. Psme 2: Tshe Cach Conu 4: Rhma Acci 4: Gash Bene 3.
311. Psme 1: Cach 3: Rhma 5: Gash 3.
312. Psme 1: Tshe Thpl Conu 3: Cach Rhma 4: Gash 4.
313. Psme 1: Tshe Conu Thpl 2: Acci Rhma 4: Bene Gash 3.
314. Psme 2: Tshe Thpl Tabr 3: Rhma 2: Pomu Bene 2.
315. Psme 3: Tshe Thpl 5: Rhma Acci Conu 1: Pomu Bene 1.
316. ----: conifer 4: Tshe Conu 1: Pomu 3.
317. Conifer 1: Tabr Tshe 3: Conu Acci Rhma 4: Gash 3.
318. Psme 1: Tshe Thpl 4: Rhma Acci 3: Gash Bene Pomu 3.
319. Conifer 3: Thpl Tshe Psme 3: Conu Rhma Acci 3: Bene Gash Pomu 1.
320. Psme 1: Tshe 4: Acci Conu Rhma 4: Pomu Bene 2.
321. Psme 3: Cach Tshe 4: Rhma Acci 4: Gash 4.
322. Psme 1: Tshe Cach 3: Rhma Acci 4: Gash Bene 3.
323. Psme 2: Tshe Cach 3: Rhma Acci 4: Gash Bene 3.
324. Psme 2: Tshe Thpl Tabr 3: Acci Rhma 4: Gash Bene 3.
325. Psme 1: Tshe Thpl 3: Acci Conu Rhma 4: Gash Bene Pomu 4.
326. Psme 1: Tshe Thpl Acma 3: Acci Conu Rhma 3: Pomu Gash 3.
327. Conifer 3: Tshe 2: Rhma Acci 4: Gash Pomu 3.
328. Psme 2: Tshe Acma Conu 3: Rhma Acci 3: Bene Gash 2.
329. Psme 1: Tshe Cach 3: Rhma 4: Gash Bene 3.
330. Psme 1: Tshe Psme 3: Acci Rhma 4: Gash Bene Pomu 3.
331. Psme 3: Tshe 4: Rhma Acci 3: Gash Pomu 3.
332. Psme 2: Tshe Acma 3: Rhma Acci 4: Pomu Gash 4.
333. ----: Tshe Psme Tabr 2: Acci Acma Conu 4: Pomu Bene Gash 4.
334. Psme 2: Tshe Acma Thpl 5: Acci 4: Pomu Libo Cola 4.
335. Psme 1: Tshe Thpl Psme 4: Acci 4: Pomu 3.
336. ----: Psme 3: Acci 4: Bene Gash 4.
337. Psme 2: Tshe Thpl 3: Acci Acma Rhma 4: Pomu Gash 4.
338. ----: Tshe 4: Acma Acci 4: Pomu Bene 3.
339. Psme 1: Tshe Psme 4: Rhma 4: Bene Gash 3.
340. Psme 3: Psme 2: Rhma 2: Gash 4.
341. Psme 2: Tshe 3: Acco Conu 4: Pomu 4.
342. Psme 2: Tshe 2: Acci 4: Pomu 2.
343. Psme Tshe 4: Acma 3: Acci 2: Pomu 3.
344. Psme 3: Tshe 3: Acci 3: Pomu 3.
345. ----: ----: Acci 4: Gash 4.
346. ----: Tshe 4: Acci 2: Pomu 4.
347. Psme 1: Psme Tshe 4: Rhma 4: Gash 3.
348. ----: Tshe 4: Acci 4: Gash 4.
349. Psme 2: Tshe 3: Acci 4: Pomu 4.
350. ----: Psme Tshe 4: Cach Rhma 5: Gash 5.

351. Psme 1: ----: Acci Conu 5: Gash 4.
352. ----: Psme 1: Rhma 4: Gash 4.
353. Xete.
354. ----: Psme Tshe Cach 5: Rhma 4: Gash 4.
355. Psme 1: Psme Tshe 2: Cach Rhma 5: Gash 4.
356. Psme 1: Cach 3: Rhma 4: Gash 5.
357. Psme 1: Tshe Psme 3: Rhma 3: Bene 2.
358. Psme 3: Tshe 4: Rhma 3: Bene 2.
359. Psme 3: Tshe 3: Rhma 3: Bene 3.
360. Psme 2: Tshe 3: Acci 4: Bene Gash 4.
361. Psme 2: Tshe 3: Rhma 4: Bene Gash 3.
362. Psme 2: Tshe 3: Acci Rhma 4: Gash 3.
363. Psme 2: Tshe 4: Rhma 3: Bene Gash 3.
364. Psme 3: Tshe 2: Rhma Tabr 2: Bene 3.
365. Psme 3: Tshe 3: Rhma 4: Bene 3.
366. Psme 3: Tshe 4: Rhma 3: Gash 3.
367. Psme 3: Tshe 4: Rhma 3: Bene Gash 3.
368. Psme 2: Tshe 4: Acci 3: Pomu 2.
369. Psme 2: Tshe 3: Rhma 2: Bene 4.
370. Psme 1: Tshe 4: Rhma 3: Bene 2.
371. Psme 1: Tshe 3: Conu 1: Pomu Oxor 4.
372. ----: ----: ----: Adpe Oxor.
373. Psme 2: Tshe 4: Acci 3: pomu 3.
374. ----: Tshe 4: Acci 2: Pomu 3.
375. Psme 2: Tshe 3: Acci 2: Pomu Cola 4.
376. Psme 2: Tshe 3: Acci Conu 3: Pomu 3.
377. Psme 2: Tshe 3: Acci Conu 3: Pomu herb 4.
378. Psme 2: Tshe 3: Acci 2: Pomu Oxor 3.
379. Psme 2: Tshe 2: Rhma Acci Conu 4: Bene Gash 4.
380. Psme 2: Tshe 2: Acci 3: Bene 3.
381. Psme 2: Tshe 2: Acci 2: Bene Gash 4.
382. Rock outcrop.
383. Xete.
384. Psme 2: Tshe 3: Acci 4: Bene Gash 3.
385. Psme 3: Tshe 4: Acci 3: Pomu 3.
386. Psme 2: Tshe 4: Acci 3: pomu 3.
387. Psme 1: Tshe 2: Rhma 2: Bene Gash 3.
388. Psme 3: Psme Tshe 4: Coco Rhma 2: Gash 2.
389. Psme 1: Tshe 3: Rhma 4: Bene Gash 4.
390. Psme 2: Tshe 3: Rhma 3: Bene Gash 2.
391. Psme 3: Tshe 3: Rhma 3: Bene Gash 2.
392. Psme 2: Tshe 4: Acci 4: Pomu 3.
393. ----: Psme Acma Tshe 4: Acci 4: Pomu Gash 2.
394. ----: Psme 3: Rhma 2: Pomu Gash 4.
395. Psme 3: Tshe 1: Acci 4: Pomu 4.
396. Psme 2: Tshe Thpl 4: Acci Conu 2: Pomu 3.
397. Psme 2: Tshe 2: Acci 4: Gash 4.
398. Psme 4: ----: Acci 4: Pomu 4.
399. Psme 2: Tshe 3: Rhma 3: Gash 2.
400. Psme 1: Tshe 2: Rhma 2: Bene 2.

401. ----: ----: Acci Arca 5: Adpe 4.
402. Psme 2: Tshe 3: Rhma 3: Bene Gash 2.
403. Xete.
404. Psme 2: Cach 2: Rhma 3: Gash 3.
405. Xete.
406. Psme 2: Cach Psme 4: Rhma 4: Gash 4.
407. Psme 2: Tshe 1: Rhma 5: Gash 2.
408. Psme 1: Tshe Psme 3: Rhma 4: Gash 3.
409. Riparian.
410. Psme 1: Pila Cach Tshe 5: Rhma 2: Gash 2.
411. Acma Thpl 1: ----: Acci 5: Bene Pomu Gash 3.
412. Psme 1: Tshe 4: Acci Tabr 5: Pomu Gash 4.
413.
414.
415. Psme 2: Conifer 3: Acci Conu 3: Pomu Gash Bene 3.
416. Psme 1: Pila Psme 4: Acci 4: Gash 3.
417. ----: Conifer 4: ----: Pomu Libo 4.

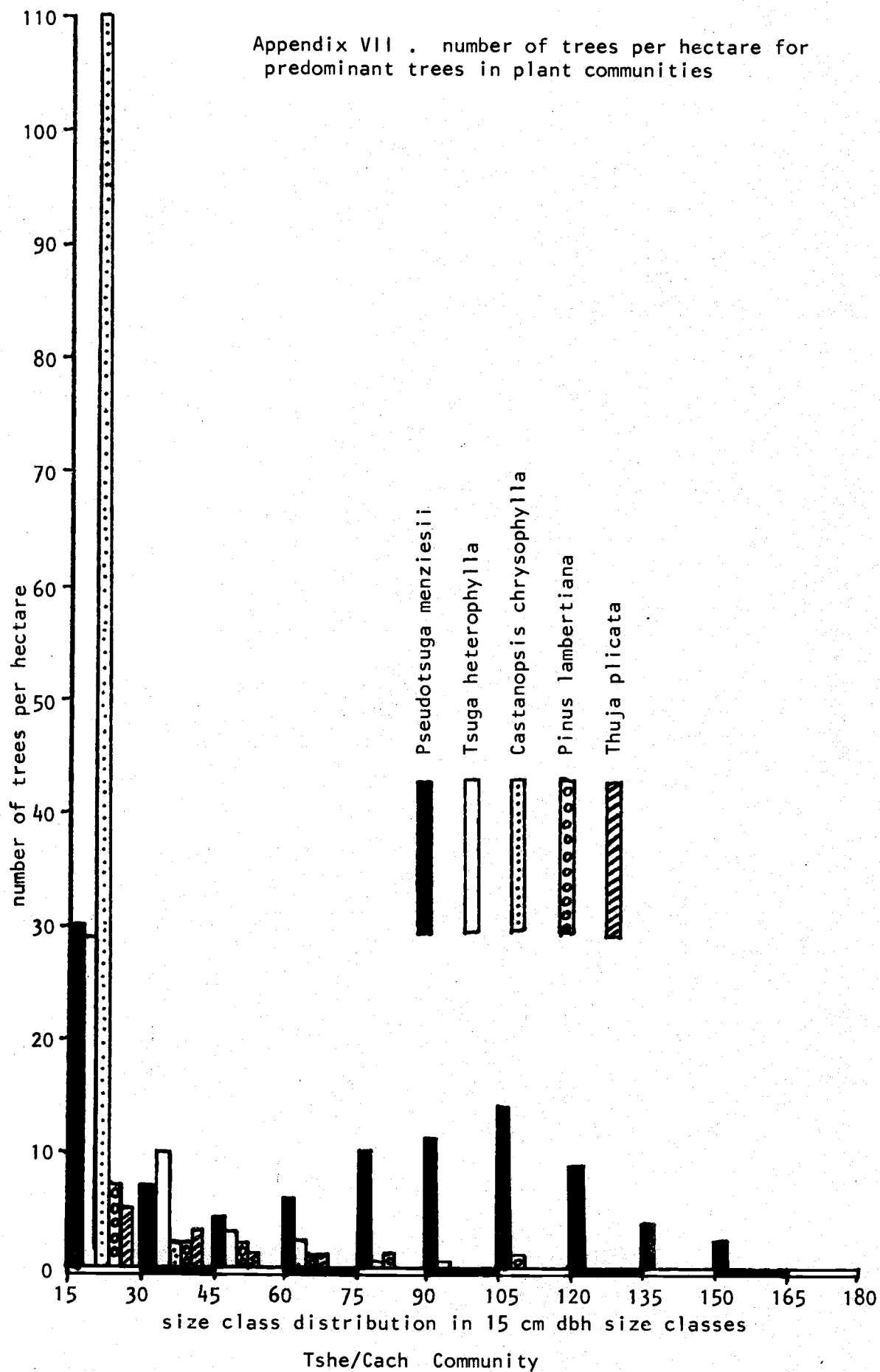
Appendix VI. graphs of species composition as a percentage of total number of trees within communities or habitat types.

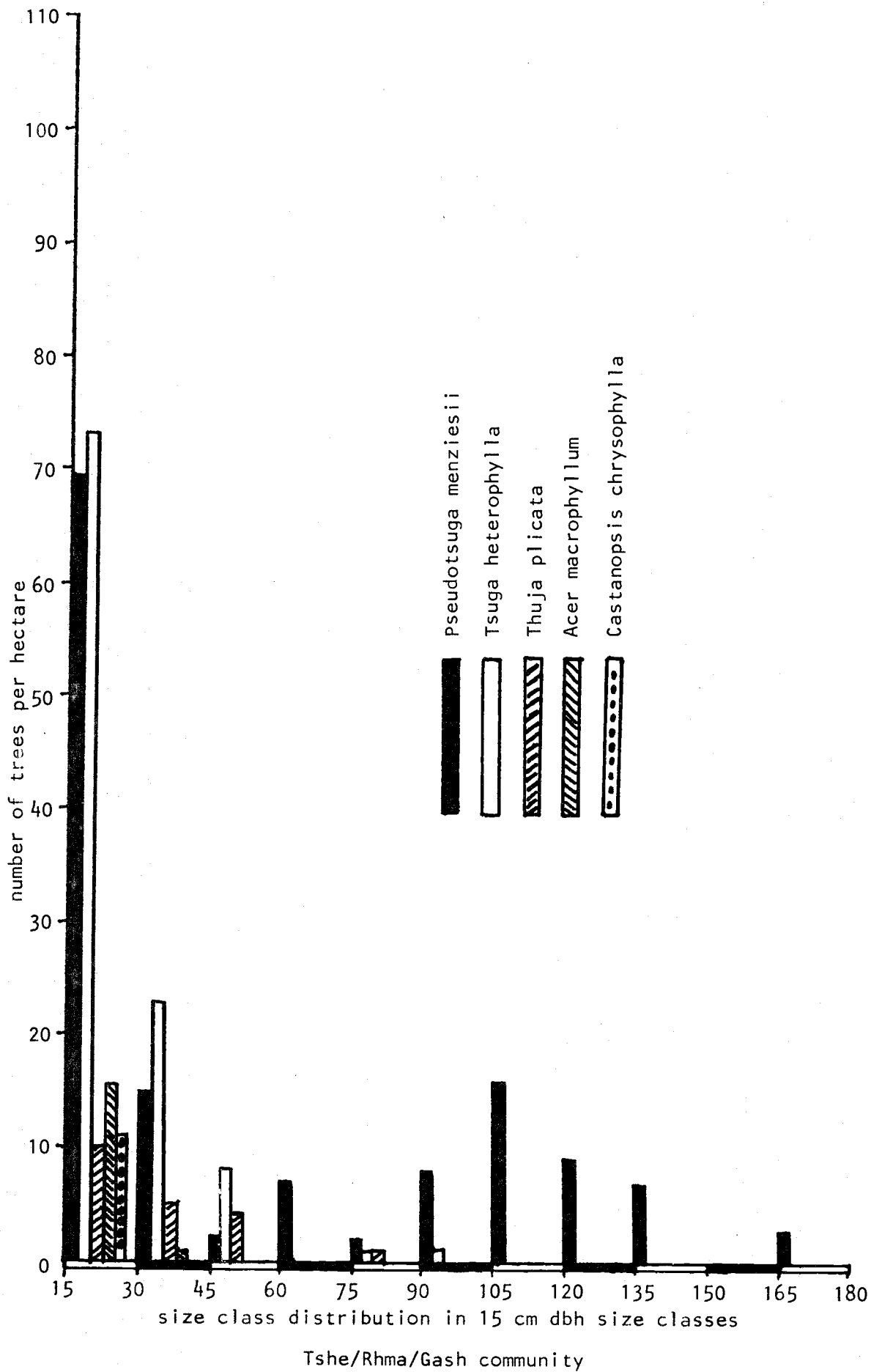


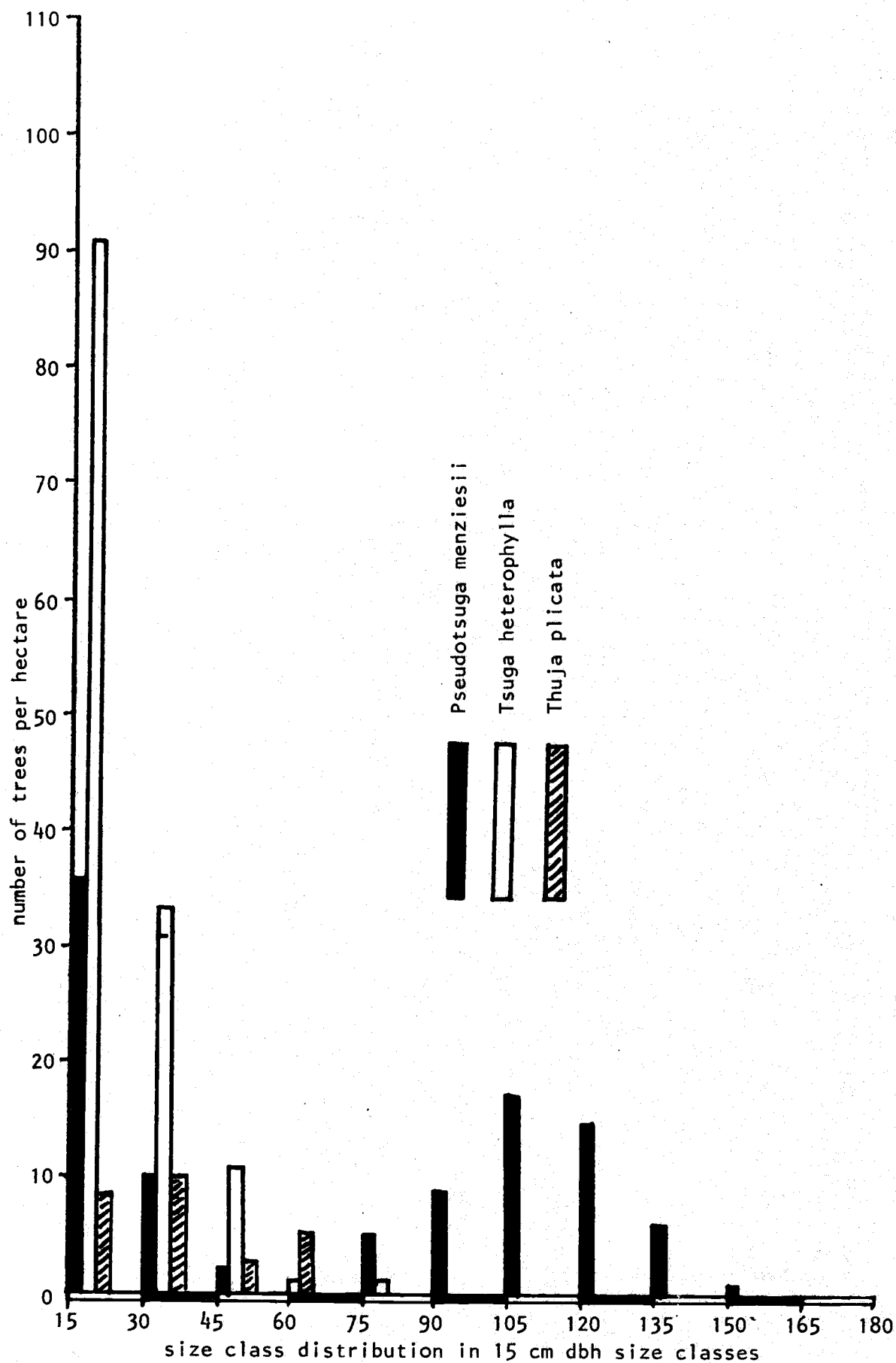


- Pseudotsuga menziesii*
- Tsuga heterophylla*
- Castanopsis chrysophylla*
- Thuja plicata*
- Pinus lambertiana*
- Acer macrophyllum*
- Taxus brevifolia*
- Cornus nuttallii*
- Alnus rubra*
- Arbutus menziesii*

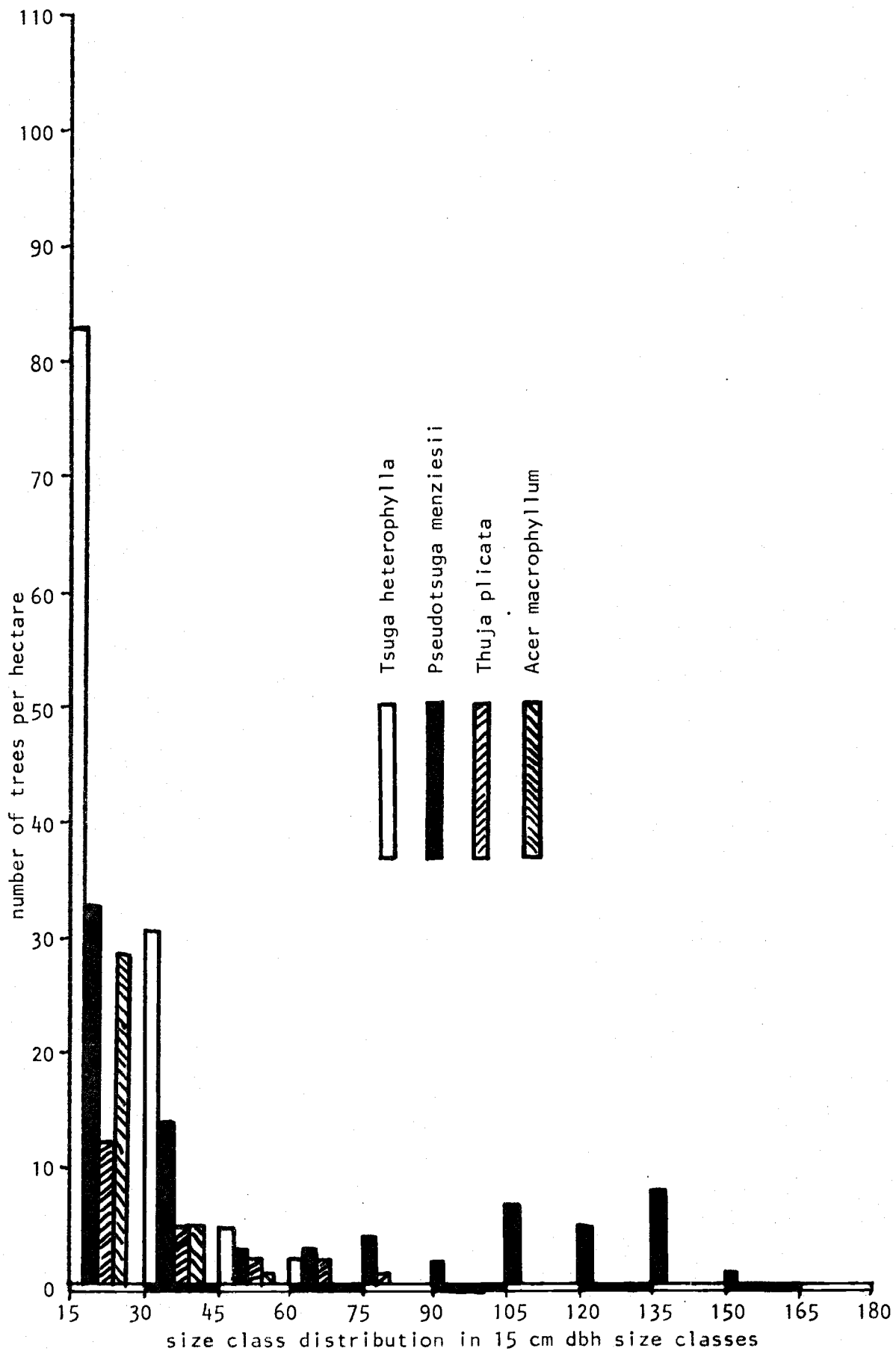
Appendix VII . number of trees per hectare for
predominant trees in plant communities



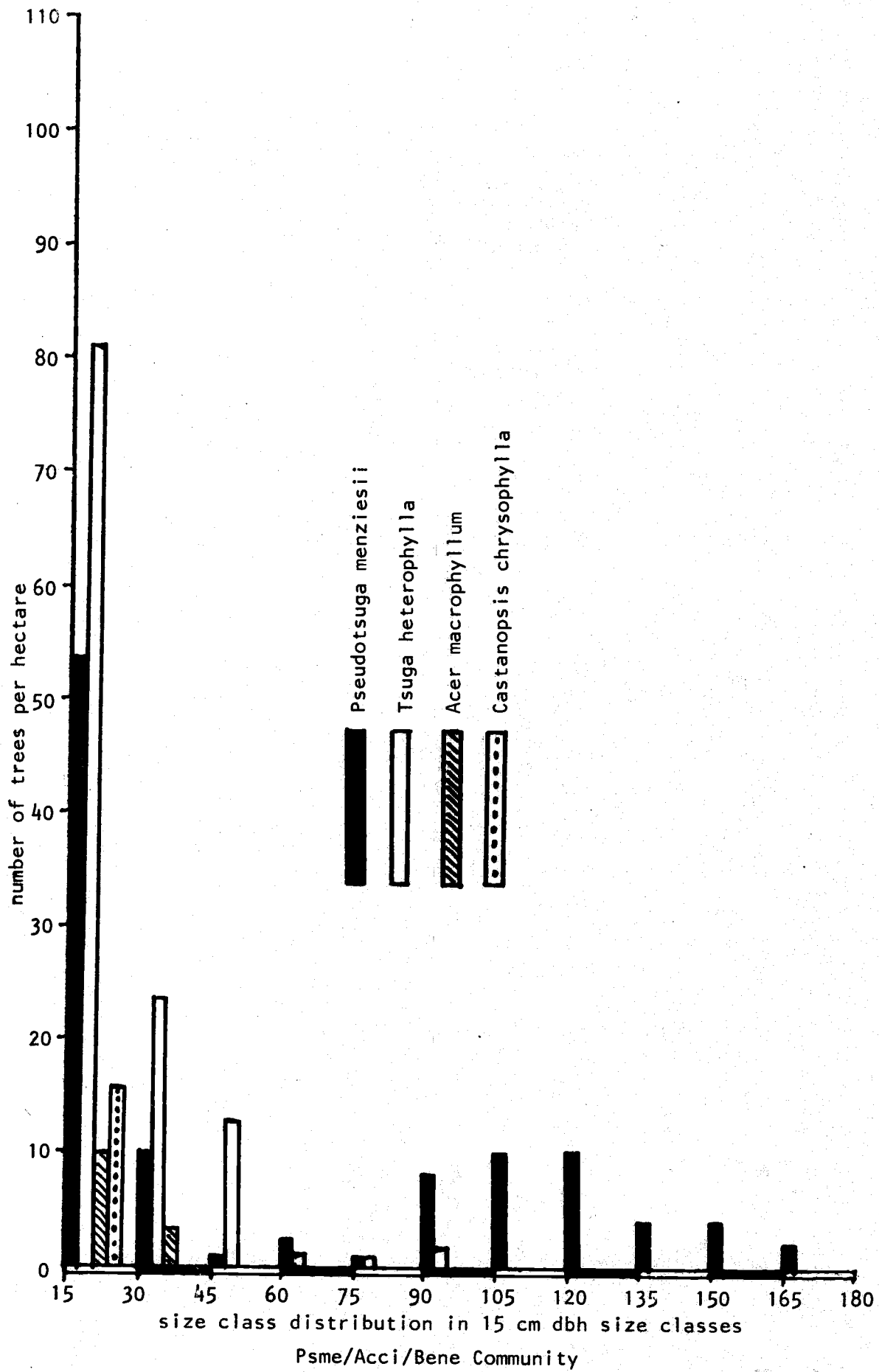


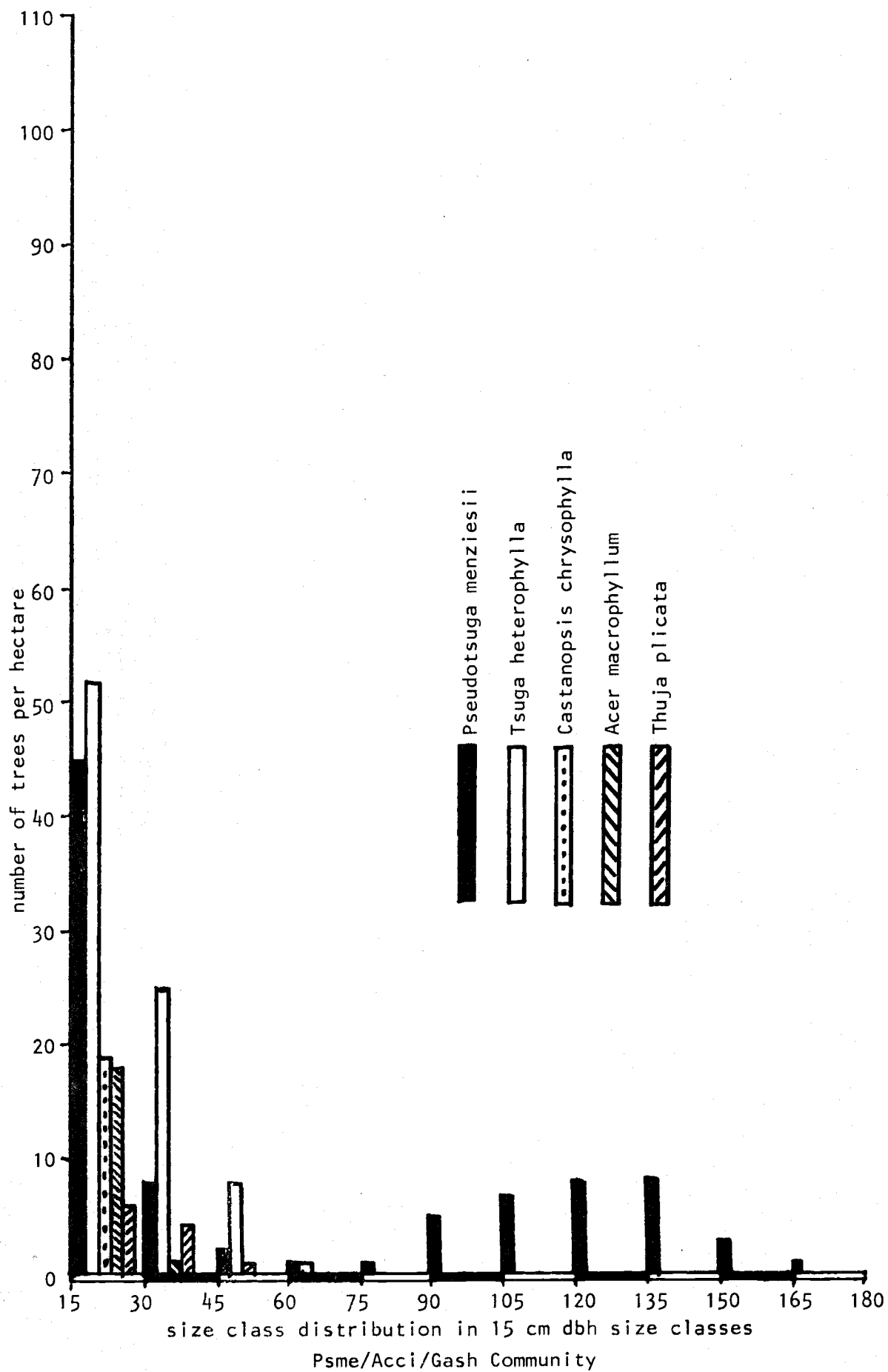


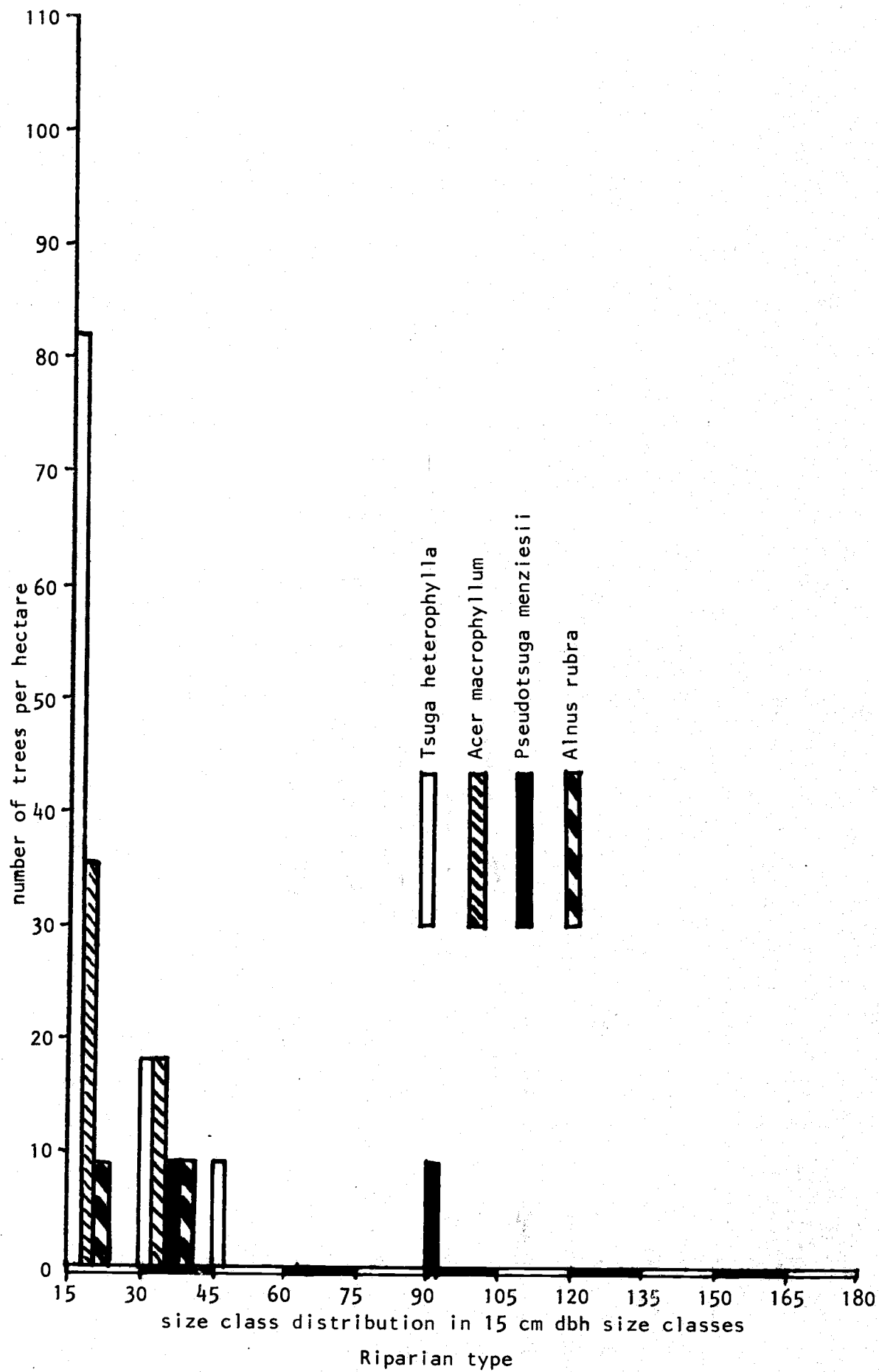
Tshe/Rhema/Bene Community



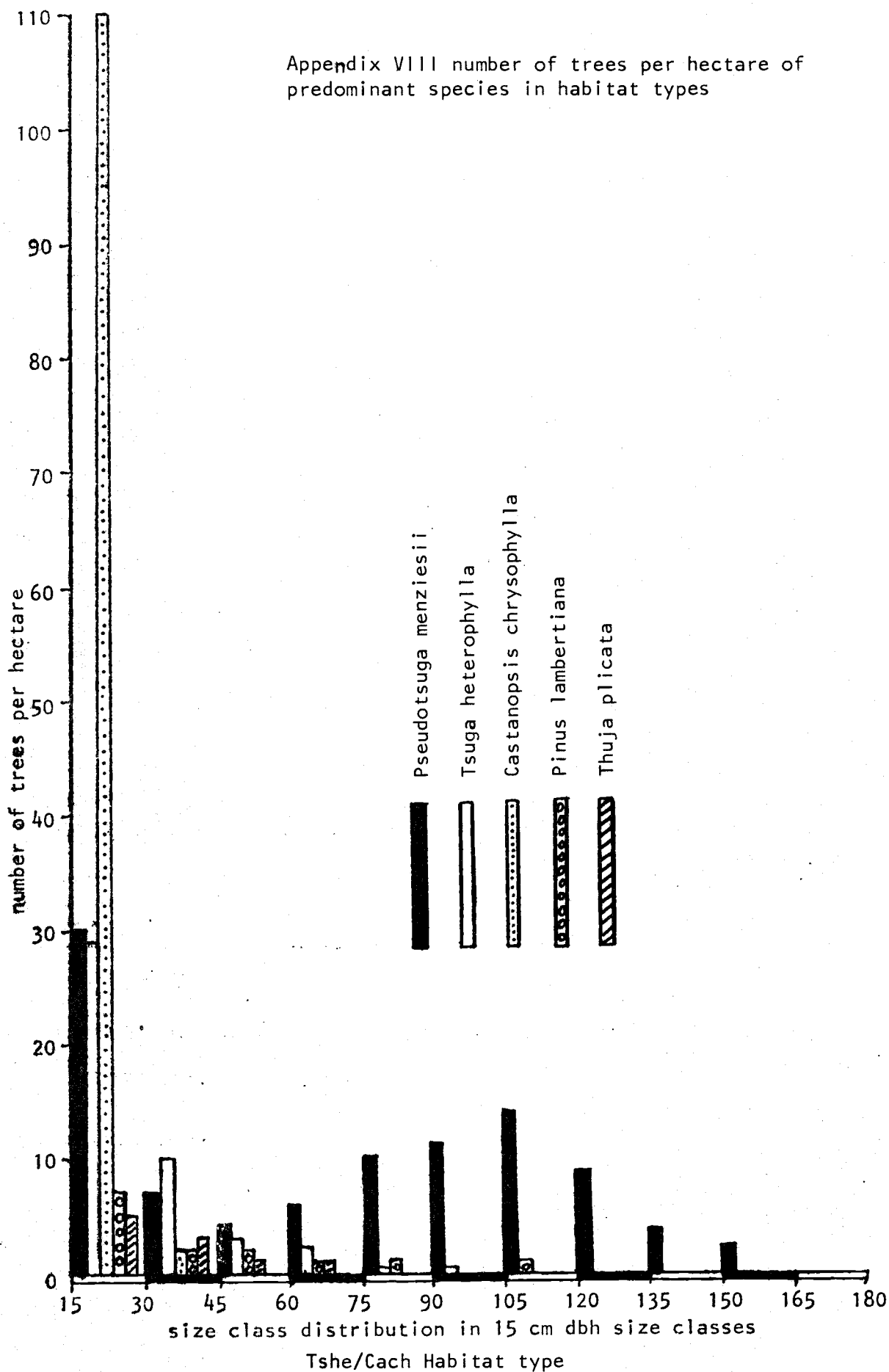
Tshe/Acci/Pomu Community

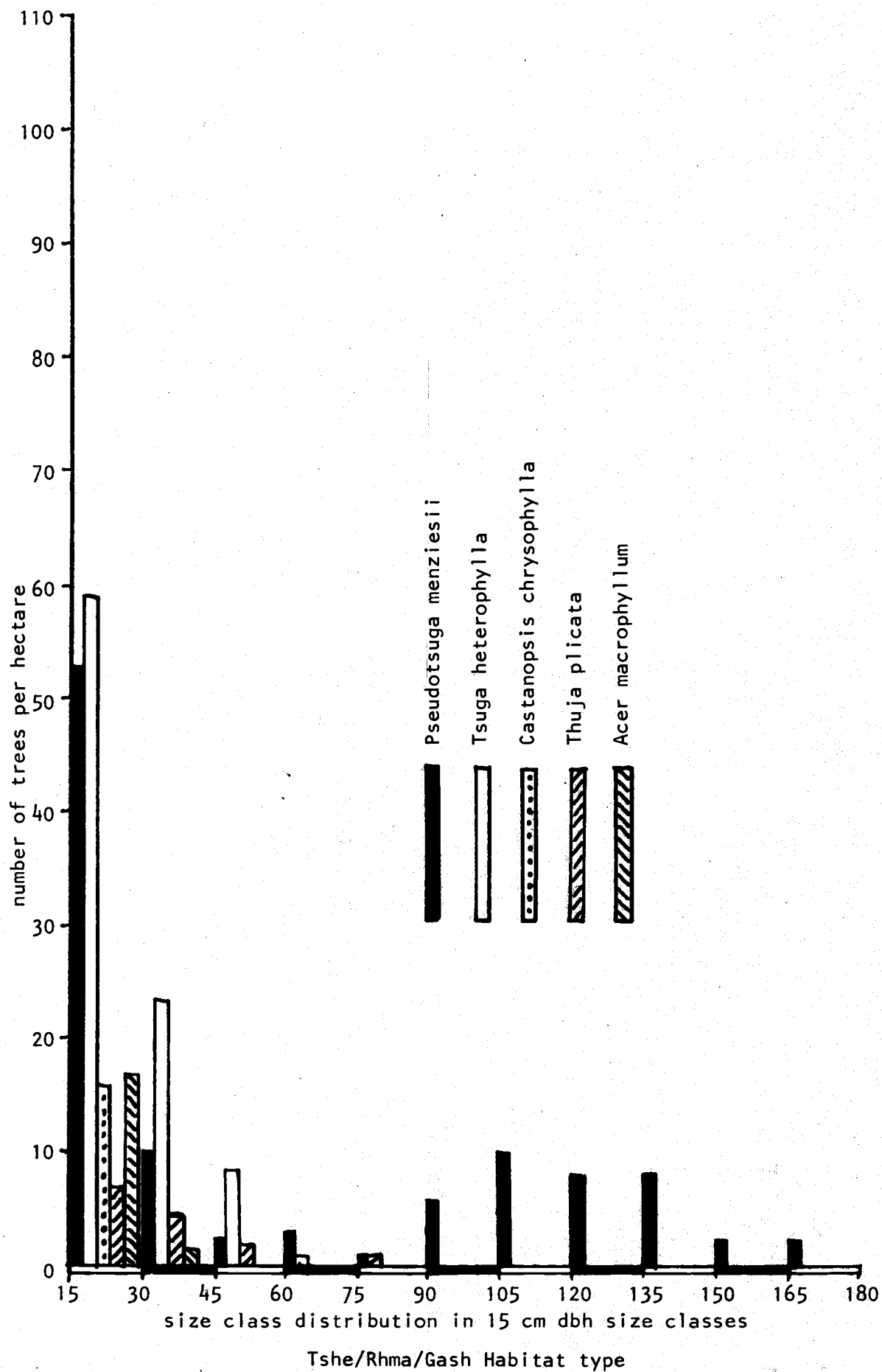


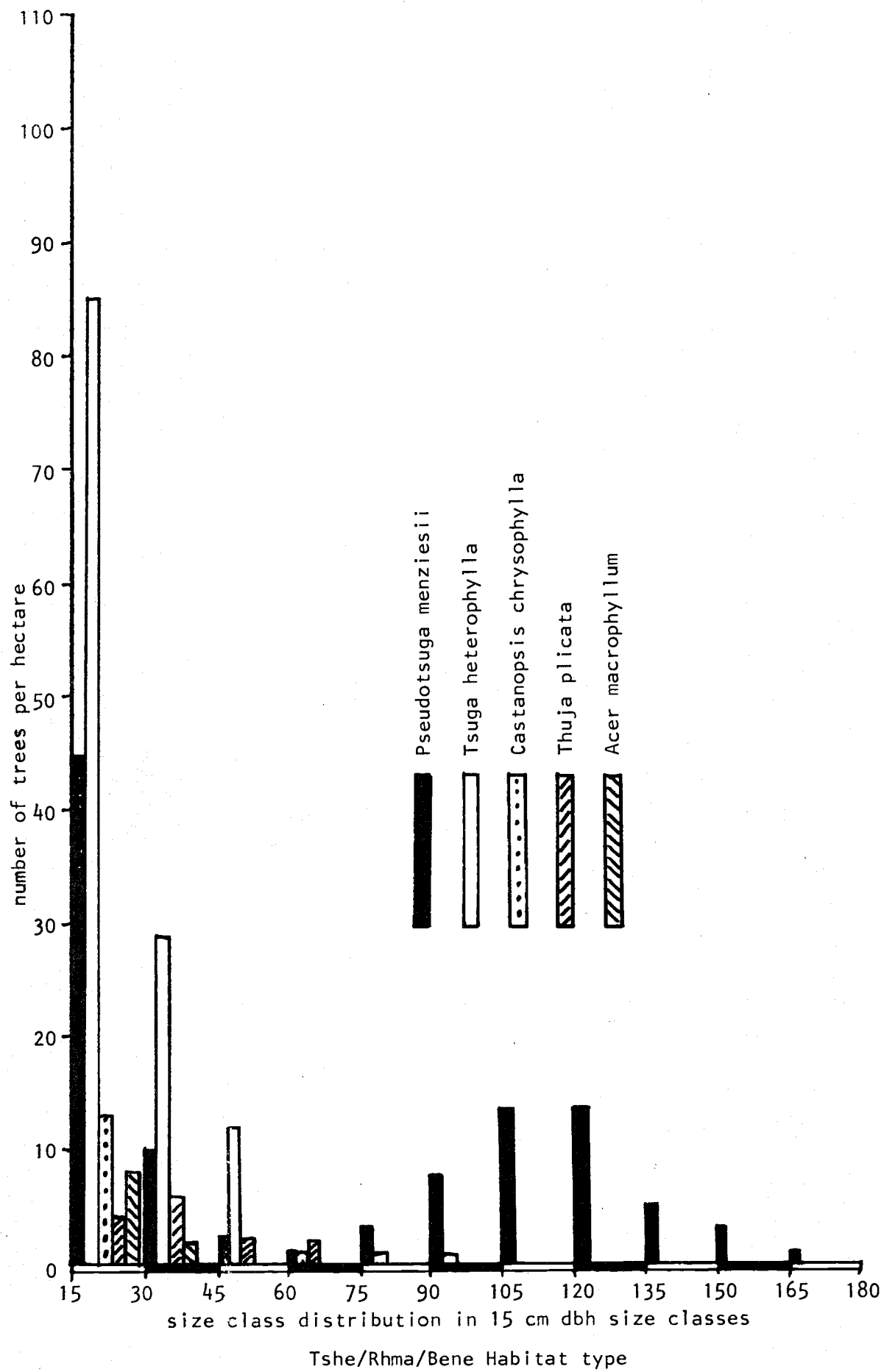


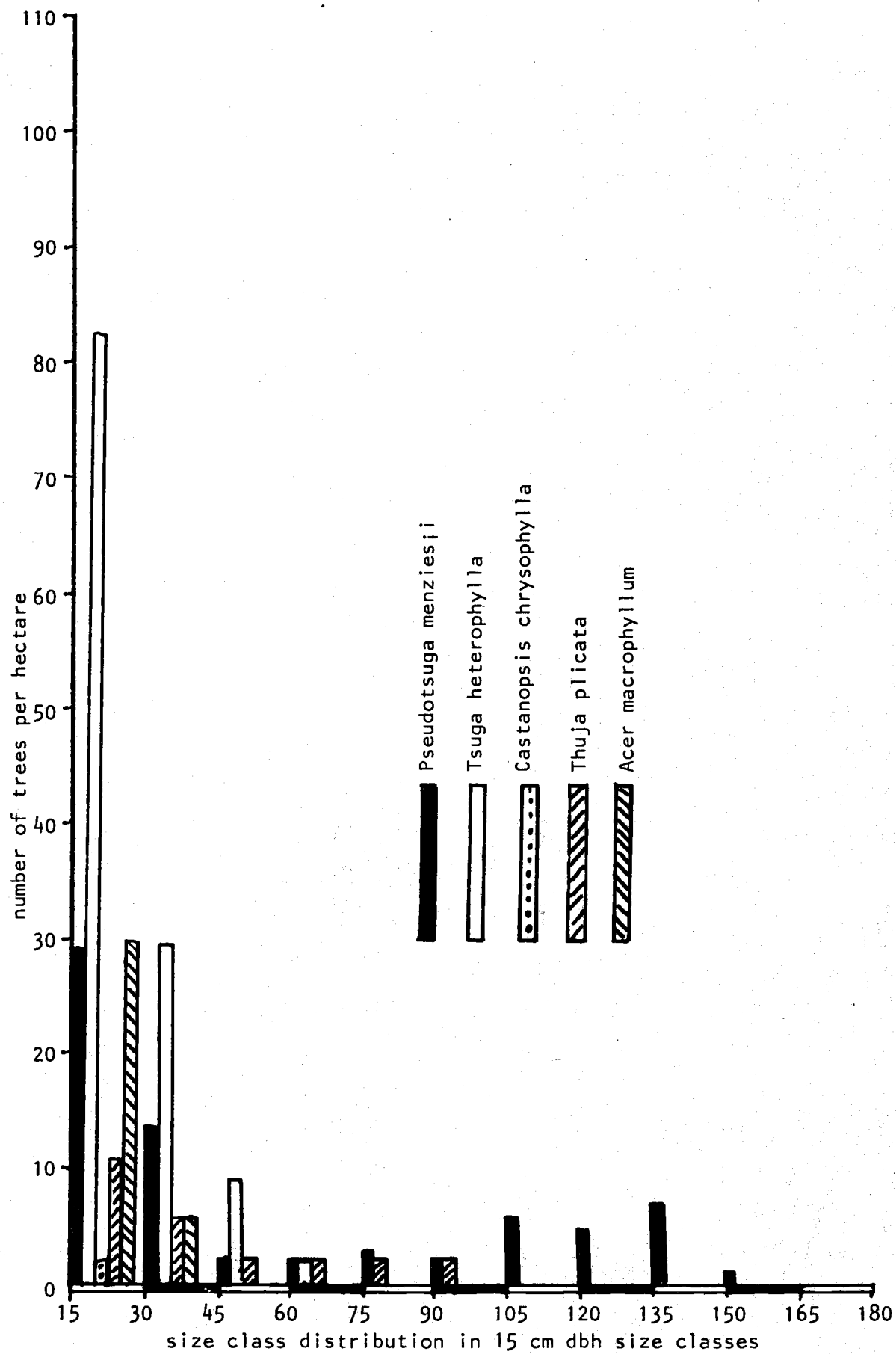


Appendix VIII number of trees per hectare of predominant species in habitat types









Tshe/Acci/Pomu Habitat type

APPENDIX IX: SIZE CLASS DISTRIBUTION OF TREES IN WATERSHED 10, H. J. ANDREWS EXPERIMENTAL FOREST

Size Class (cm)	PSME	TSHE	CACH	THPL	PILA	LIDE	ACMA	TABR	CONU	ALRU	ARME	ACCI
15-30	406	560	518	65	34	1	113	53	26	2	1	1
30-45	94	208	8	42	11	2	15	12	-	1	-	-
45-60	29	64	-	16	11	2	1	-	-	-	-	-
60-75	37	15	-	8	4	2	-	-	-	-	-	-
75-90	53	4	-	5	3	-	-	-	-	-	-	-
90-105	82	4	-	-	2	2	-	-	-	-	-	-
105-120	119	-	-	2	2	-	-	-	-	-	-	-
120-135	88	-	-	-	2	-	-	-	-	-	-	-
135-150	58	-	-	-	-	-	-	-	-	-	-	-
150-165	19	-	-	-	-	-	-	-	-	-	-	-
165-180	8	-	-	-	-	-	-	-	-	-	-	-
Total	993	855	526	138	69	9	129	65	26	3	1	1

Grand Total = 2815 trees greater than 15 cm diameter breast high

PSME - *Pseudotsuga menziesii*
 TSHE - *Tsuga heterophylla*
 CACH - *Castanopsis chrysophylla*
 THPL - *Thuja plicata*
 PILA - *Pinus lambertiana*
 LIDE - *Libocedrus decurrens*

ACMA - *Acer macrophyllum*
 TABR - *Taxus brevifolia*
 CONU - *Cornus nuttallii*
 ALRU - *Alnus rubra*
 ARME - *Arbutus menziesii*
 ACCI - *Acer circinatum*

Appendix X: Tree data for all stems greater than 15 cm dbh within
Watershed 10, H. J. Andrews Experimental Forest.

LEGEND:

A = grid section in which tree occurs
B = sequential tree number
C = aluminum tag number on tree
D = X axis coordinates
E = Y axis coordinates
F = species alpha code

PSME = *Pseudotsuga menziesii*
TSHE = *Tsuga heterophylla*
THPL = *Thuja plicata*
CACH = *Castanopsis chrysophylla*
CONU = *Cornus nuttallii*
ACCI = *Acer circinatum*
PILA = *Pinus lambertiana*
LIDE = *Libocedrus decurrens*
ALRU = *Alnus rubra*
ACMA = *Acer macrophyllum*
ARME = *Arbutus menziesii*
TABR = *Taxus brevifolia*

G = diameter breast high (in cm)
H = vegetation map unit number in which tree occurs
J = community in which tree occurs
JA = area code (appears only after the first listing of a particular
map unit; column H)
K = three column vigor and crown condition code for each tree

first col. = vigor class	third col. = other damage
1 = good	1 = swept butt
2 = fair or moderate	2 = leaner
3 = poor	3 = layering
	4 = rotting
second col. = damage classes	5 = split butt
1 = broken top	6 = suppressed
2 = forked top	
3 = dead top	
4 = dying top	
5 = half top or one sided	
6 = tree suppressed	

L = species number

1 = Psme	5 = Acma	9 = Lide
2 = Tshe	6 = Pila	10 = Alru
3 = Cach	7 = Tabr	11 = Acci
4 = Thpl	8 = Conu	12 = Pimo
		13 = Arme

M = species grouping code

1 = Psme

2 = Tshe

3 = Cach

4 = Thpl, Tabr, Lide

5 = Acma, Conu, Alru, Acci

6 = Pila, Pimo

N = new vegetation-hydrologic substrata number

0 = old vegetation-hydrologic substrata number

A	B	C	D	E	F	G	H	J	JA	K	L	M	N	O
1614	2739	65	1550	1383	PSME	24.0	014	1		25	1	1	1	1
0707	1117	944	0617	0608	PSME	137.8	160	4		1	1	1	1	10
0707	1113	927	0672	0651	THPL	38.3	234	4		1	4	4	1	10
0707	1122	926	0681	0648	TSHE	29.3	234	4		1	2	2	1	10
0807	1124	806	0703	0651	PSME	16.6	234	4		1	1	1	1	10
0807	1125	807	0705	0637	THPL	16.1	415	4	099	1	4	4	1	10
0807	1126	800	0710	0676	THPL	37.0	234	4		1	4	4	1	10
0807	1127	801	0722	0683	THPL	36.2	234	4		1	4	4	1	10
0807	1128	812	0726	0649	PSME	20.8	415	4		1	1	1	1	10
0807	1129	804	0727	0669	TABR	42.1	234	4		2	5	7	4	1
0807	1130	803	0734	0674	TSHE	22.7	415	4		1	2	2	1	10
0807	1131	808	0736	0604	PSME	110.0	415	4		1	1	1	1	10
0807	1132	802	0740	0680	TSHE	53.8	415	4		1	2	2	1	10
0807	1133	805	0741	0666	TABR	20.8	415	4		2	5	7	4	1
0807	1134	811	0743	0638	THPL	29.9	415	4		25	4	4	1	10
0807	1135	810	0755	0640	TSHE	30.4	415	4		3	2	2	1	10
0807	1136	809	0755	0608	PSME	117.4	415	4		1	1	1	1	10
0706	907	950	0633	0585	ACMA	15.4	335	4		1	5	5	1	10
0806	922	813	0720	0584	THPL	88.8	411	4	037	1	4	4	1	10
0806	925	820	0755	0557	ACMA	28.0	297	7	084	2	5	5	1	10
0806	930	824	0794	0547	THPL	16.8	299	4	103	1	4	4	1	10
0906	933	907	0819	0580	THPL	118.4	242	5	182	1	4	4	1	9
0906	934	910	0838	0506	ACMA	26.9	301	4		1	5	5	1	5
0906	935	911	0856	0547	PSME	109.9	299	4		1	1	1	1	9
0906	936	913	0857	0562	PSME	97.0	299	4		25	1	1	1	9
0906	937	912	0860	0556	PSME	79.7	299	4		25	1	1	1	9
0906	933	914	0874	0558	TABR	23.9	299	4		1	7	4	1	9
0906	933	915	0879	0542	TABR	31.2	299	4		3	7	4	1	9
0906	940	917	0889	0533	TSHE	57.4	297	7		1	2	2	1	9
0711	1998	760	0604	1057	PSME	16.6	093	1		3	1	1	2	2
1012	2227	542	0913	1192	CACH	20.0	072	1		1	3	3	2	2
1012	2234	543	0953	1174	CACH	23.3	072	1		2	2	3	3	2
1012	2239	544	0976	1164	PILA	87.9	072	1		1	6	6	2	2
1112	2243	452	1010	1172	PILA	69.4	072	1		1	6	6	2	2
1112	2244	451	1010	1177	CACH	17.7	072	1		1	3	3	2	2
1112	2245	450	1013	1178	CACH	19.0	072	1		1	3	3	2	2
1112	2246	449	1014	1175	CACH	24.2	072	1		1	3	3	2	2
1112	2247	448	1016	1195	CACH	19.8	065	1	079	1	3	3	2	2
1112	2248	447	1022	1190	CACH	16.3	065	1		1	3	3	2	2
1112	2249	446	1026	1193	CACH	19.7	065	1		1	3	3	2	2
1112	2250	437	1035	1147	PSME	98.7	064	1	142	2	2	1	1	2
1112	2251	444	1047	1182	LIDE	45.5	065	1		1	9	4	2	3
1112	2252	445	1050	1196	THPL	36.8	065	1		1	4	4	2	3
1112	2254	443	1060	1172	CACH	23.7	065	1		1	3	3	2	3
1112	2255	438	1066	1151	CACH	15.5	064	1		1	3	3	2	3
1112	2256	442	1073	1179	TSHE	21.9	064	1		1	2	2	2	3
1112	2257	441	1086	1152	PSME	149.2	064	1		1	1	1	2	3
1212	2259	401	1117	1149	CACH	17.7	063	1	041	1	3	3	2	3
1212	2260	432	1119	1153	CACH	20.5	063	1		2	3	3	2	3
1212	2262	453	1122	1170	PSME	107.7	062	1	029	1	1	1	2	3
1212	2263	411	1130	1190	TSHE	29.4	062	1		1	2	2	2	3
1212	2265	410	1137	1145	TSHE	57.9	062	1		1	2	2	2	3
1212	2266	404	1140	1161	LIDE	101.5	062	1		1	9	4	2	3
1212	2267	406	1145	1154	CACH	16.6	063	1		25	3	3	2	3

1212	2269	405	1147	1160	PSME	142.8	062	1	1	1	1	2	3		
1212	2270	407	1174	1148	PSME	71.9	053	1	054	1	1	1	2	3	
1212	2272	408	1195	1138	PSME	124.0	046	1	050	1	1	1	2	3	
0913	2389	667	0802	1262	PILA	53.2	081	1	143	1	6	6	2	2	
0913	2393	656	0810	1294	CACH	17.2	081	1		2	1	3	3	2	2
0913	2397	666	0820	1266	CACH	16.9	081	1		2	1	3	3	2	2
0913	2399	655	0826	1284	CACH	25.2	081	1		1		3	3	2	2
0913	2400	654	0828	1298	CACH	17.9	081	1		1		3	3	2	2
0913	2401	658	0838	1276	CACH	27.3	081	1		1		3	3	2	2
0913	2402	657	0840	1272	PSME	127.5	081	1		1		1	1	2	2
0913	2403	665	0840	1243	CACH	20.0	082	1		2	1	3	3	2	2
0913	2405	683	0844	1232	PILA	15.9	082	1		3		6	6	2	2
0913	2406	664	0852	1248	PSME	116.0	082	1		21		1	1	2	2
0913	2409	659	0858	1270	PSME	50.4	081	1		1		1	1	2	2
0913	2409	660	0860	1270	PSME	34.3	081	1		1		1	1	2	2
0913	2410	663	0860	1240	PILA	30.7	082	1		21		6	6	2	2
0913	2415	662	0880	1244	CACH	20.2	082	1		21		3	3	2	2
0913	2416	653	0882	1290	TSHE	13.9	081	1		1		2	2	2	2
0913	2417	651	0886	1286	PSME	17.0	081	1		3		1	1	2	2
0913	2418	652	0886	1282	PSME	23.4	081	1		3		1	1	2	2
0913	2419	684	0886	1224	PILA	25.3	082	1		3		6	6	2	2
0913	2420	685	0886	1223	PILA	43.2	082	1		1		6	6	2	2
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0913	2422	661	0895	1240	PILA	19.0	082	1		2	1	6	6	2	2
0913	2423	650	0899	1276	PSME	23.9	081	1		3		1	1	2	2
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1013	2426	558	0913	1260	TSHE	17.9	080	1	054	1		2	2	2	2
1013	2427	559	0918	1276	TSHE	16.7	080	1		1		2	2	2	2
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1013	2429	560	0920	1280	PSME	29.1	080	1		1		1	1	2	2
1013	2430	556	0923	1257	PILA	22.2	080	1		2		6	6	2	2
1013	2431	563	0941	1293	CACH	16.2	071	1	075	1		3	3	2	2
1013	2432	561	0942	1290	CACH	20.6	071	1		1		3	3	2	2
1013	2433	548	0942	1234	PSME	110.7	080	1		1		1	1	2	2
1013	2434	555	0943	1251	CACH	26.6	071	1		1		3	3	2	2
1013	2435	562	0944	1291	CACH	15.5	071	1		1		3	3	2	2
1013	2436	549	0946	1215	CACH	16.1	072	1		1		3	3	2	2
1013	2437	550	0965	1233	CACH	25.1	072	1		2	4	3	3	2	2
1013	2438	564	0978	1294	PSME	90.1	070	1	061	1		1	1	2	2
1013	2439	551	0980	1227	CACH	22.5	072	1		1		3	3	2	2
1013	2440	552	0983	1233	PILA	19.0	065	1		3		6	6	2	2
1013	2441	554	0990	1266	CACH	26.4	067	1	082	1		3	3	2	2
1013	2442	565	0994	1293	PSME	83.1	070	1		1		1	1	2	2
1013	2443	553	0996	1241	PSME	16.3	067	1		2		1	1	2	2
1113	2444	493	1002	1282	CACH	15.0	070	1		21		3	3	2	2
1113	2445	503	1004	1232	PSME	15.4	067	1		2		1	1	2	2
1113	2446	507	1008	1228	CACH	17.7	067	1		1		3	3	2	2
1113	2447	509	1009	1205	PSME	20.4	065	1		1		1	1	2	2
1113	2448	494	1009	1240	CONU	15.0	067	1		1		8	5	2	2
1113	2449	495	1012	1238	CONU	16.8	067	1		1		8	5	2	2
1113	2450	506	1013	1226	CACH	21.3	067	1		1		3	3	2	2
1113	2451	482	1016	1294	PILA	43.8	070	1		1		6	6	2	2
1113	2452	498	1017	1256	PSME	16.3	067	1		1		1	1	2	2

1113	2453	497	1020	1253	PSME	38.2	067	1	1	1	1	2	2
1113	2454	505	1032	1214	PSME	30.1	067	1	1	1	1	2	2
1113	2455	491	1033	1293	CACH	19.4	060	1	161	1	3	3	2
1113	2456	490	1035	1291	CACH	25.7	060	1	1	3	3	2	2
1113	2457	496	1037	1224	PSME	23.3	067	1	1	1	1	2	2
1113	2458	499	1054	1237	CACH	19.9	066	1	054	21	3	3	2
1113	2459	488	1057	1274	PSME	17.1	067	1	1	1	1	2	2
1113	2460	489	1058	1271	TSHE	16.1	067	1	1	2	2	2	2
1113	2461	501	1060	1249	PSME	17.2	067	1	1	1	1	2	2
1113	2462	487	1067	1297	PSME	96.5	060	1	21	1	1	2	2
1113	2463	502	1071	1260	PILA	49.2	060	1	23	6	6	2	2
1113	2464	486	1082	1265	PILA	19.6	060	1	2	6	6	2	2
1113	2465	485	1082	1283	CACH	22.6	060	1	1	3	3	2	2
1113	2466	503	1084	1257	CACH	23.0	060	1	2	5	3	3	2
1113	2467	484	1087	1262	PSME	87.5	060	1	1	1	1	2	2
1113	2468	504	1090	1232	PSME	117.3	060	1	24	1	1	2	3
1113	2469	510	1095	1225	CACH	24.2	060	1	1	3	3	2	3
1113	2470	511	1097	1222	CACH	19.2	060	1	1	3	3	2	3
1213	2471	275	1103	1297	CACH	29.2	061	1	121	1	3	3	2
1213	2472	276	1103	1282	CACH	21.1	061	1	1	3	3	2	2
1213	2473	296	1109	1213	CACH	15.8	061	1	1	3	3	2	3
1213	2474	295	1110	1242	CACH	32.1	061	1	1	3	3	2	3
1213	2475	277	1113	1278	CACH	15.5	061	1	1	3	3	2	3
1213	2476	294	1128	1206	PILA	103.5	054	1	071	1	6	6	2
1213	2477	278	1130	1296	CACH	18.8	061	1	1	3	3	2	3
1213	2478	279	1130	1278	CACH	20.6	061	1	1	3	3	2	3
1213	2479	289	1151	1236	TSHE	21.6	054	1	1	2	2	2	3
1213	2480	287	1155	1253	CACH	19.0	061	1	1	3	3	2	3
1213	2481	288	1155	1242	CACH	23.9	061	1	1	3	3	2	3
1213	2482	290	1156	1220	PSME	116.0	054	1	1	1	1	2	3
1213	2483	280	1157	1264	CACH	19.2	061	1	1	3	3	2	3
1213	2484	293	1167	1209	CACH	21.5	054	1	1	3	3	2	3
1213	2485	281	1176	1297	TSHE	27.4	051	1	286	1	2	2	2
1213	2486	284	1177	1279	PSME	17.5	054	1	1	1	1	2	3
1213	2487	291	1184	1213	CACH	23.9	054	1	1	3	3	2	3
1213	2488	285	1185	1247	PSME	16.0	054	1	1	1	1	2	3
1213	2489	286	1190	1231	CACH	21.2	054	1	1	3	3	2	3
1213	2490	282	1192	1296	CACH	16.0	051	1	2	3	3	2	2
1213	2491	283	1194	1271	THPL	46.3	052	1	161	25	4	4	2
1213	2492	292	1198	1202	PSME	137.5	054	1	1	1	1	2	3
1313	2493	212	1203	1249	PSME	24.0	052	1	2	1	1	2	3
1313	2494	223	1207	1267	TSHE	25.4	052	1	1	2	2	2	3
1313	2495	222	1210	1265	THPL	19.5	052	1	1	4	4	2	3
1313	2496	211	1212	1225	PSME	114.0	052	1	1	1	1	2	3
1313	2497	224	1209	1297	CONU	15.0	051	1	21	8	5	2	2
1313	2498	221	1230	1270	TSHE	15.9	052	1	2	3	2	2	2
1313	2499	225	1236	1288	PSME	153.4	052	1	1	1	1	2	2
1313	2500	213	1240	1250	TSHE	28.1	052	1	1	2	2	2	3
1313	2501	214	1243	1243	TSHE	45.0	052	1	1	2	2	2	3
1313	2502	215	1250	1245	THPL	34.8	052	1	1	4	4	2	3
1313	2504	220	1262	1209	THPL	51.0	052	1	1	4	4	2	3
1313	2505	219	1274	1258	ACMA	15.7	052	1	32	5	5	2	3
1313	2506	216	1282	1257	TSHE	31.2	052	1	1	2	2	2	3
1313	2507	218	1285	1281	TSHE	18.9	052	1	1	2	2	2	3

1313	2508	217	1286	1257	TSHE	32.6	052	1	1	2	2	2	3		
1413	2511	170	1303	1296	PSME	108.0	049	1	176	2	1	1	2	3	
1413	2511	174	1306	1267	PSME	150.5	049	1	1	1	1	2	3		
1413	2512	173	1314	1276	CACH	21.5	049	1	1	3	3	2	3		
1413	2514	169	1326	1297	PSME	87.7	049	1	1	1	1	2	3		
1413	2515	172	1329	1285	CACH	18.5	049	1	1	3	3	2	3		
1413	2516	171	1347	1293	TSHE	36.7	049	1	1	2	2	2	3		
1413	2517	177	1350	1248	PSME	94.5	029	1	31	1	1	2	3		
1413	2519	175	1355	1282	TSHE	40.5	049	1	1	2	2	2	3		
1413	2520	176	1356	1277	TSHE	62.7	049	1	1	2	2	2	3		
1513	2523	133	1407	1259	PSME	107.0	027	1	074	25	1	1	2	3	
0914	2586	617	0817	1305	CACH	17.0	081	1	1	3	3	2	2		
0914	2587	608	0825	1346	CACH	30.4	081	1	1	3	3	2	2		
0914	2588	607	0827	1356	PILA	21.0	081	1	1	6	6	2	2		
0914	2589	616	0830	1305	PSME	20.4	081	1	1	1	1	2	2		
0914	2590	605	0832	1364	PSME	19.1	081	1	1	1	1	2	2		
0914	2591	609	0837	1330	PSME	72.6	081	1	25	1	1	2	2		
0914	2592	610	0837	1326	PSME	22.6	081	1	1	1	1	2	2		
0914	2593	613	0839	1314	PSME	40.3	081	1	25	1	1	2	2		
0914	2594	615	0843	1305	CONU	15.3	081	1	1	8	5	2	2		
0914	2595	611	0848	1336	PSME	17.0	081	1	21	1	1	2	2		
0914	2596	604	0880	1381	CACH	19.6	077	1	117	25	3	3	2	2	
0914	2597	602	0882	1390	CACH	17.9	077	1	1	3	3	2	2		
0914	2598	614	0890	1310	CACH	15.6	078	1	080	2	2	3	3	2	2
0914	2599	603	0895	1380	PSME	143.2	077	1	25	1	1	2	2		
1014	2600	577	0908	1388	CACH	19.7	077	1	1	3	3	2	2		
1014	2601	576	0923	1336	CACH	20.0	079	1	070	1	3	3	2	2	
1014	2602	575	0927	1309	CACH	29.4	071	1	1	3	3	2	2		
1014	2603	578	0928	1389	LIDE	44.0	076	1	113	1	9	4	2	2	
1014	2604	574	0933	1314	CACH	16.5	071	1	2	3	3	2	2		
1014	2605	582	0943	1393	CACH	16.2	076	1	3	3	3	2	2		
1014	2606	581	0956	1396	PILA	29.9	076	1	3	6	6	2	2		
1014	2607	573	0958	1315	CACH	17.2	071	1	1	3	3	2	2		
1014	2608	572	0961	1314	CACH	17.2	071	1	1	3	3	2	2		
1014	2609	571	0970	1342	PSME	83.8	070	1	1	1	1	2	2		
1014	2610	567	0973	1314	CACH	18.8	071	1	3	3	3	2	2		
1014	2611	568	0979	1332	PSME	90.9	070	1	1	1	1	2	2		
1014	2612	569	0981	1352	PSME	108.7	070	1	21	1	1	2	2		
1014	2613	570	0984	1322	PSME	80.0	070	1	1	1	1	2	2		
1014	2614	579	0985	1372	CACH	20.9	058	1	097	1	3	3	2	2	
1014	2615	566	0988	1308	PSME	71.4	070	1	21	1	1	2	2		
1014	2616	580	0993	1370	PSME	107.2	058	1	1	1	1	2	2		
1114	2617	474	1002	1310	CACH	17.5	070	1	21	3	3	2	2		
1114	2618	473	1004	1360	TSHE	40.4	069	1	041	1	2	2	2	2	
1114	2619	459	1008	1385	CACH	17.7	058	1	1	3	3	2	2		
1114	2620	460	1008	1382	CACH	16.6	058	1	1	3	3	2	2		
1114	2621	478	1014	1326	TSHE	47.0	069	1	1	2	2	2	2		
1114	2622	475	1016	1303	PSME	65.8	070	1	21	1	1	2	2		
1114	2623	477	1017	1329	TSHE	30.6	069	1	1	2	2	2	2		
1114	2624	461	1019	1372	PSME	84.5	069	1	24	1	1	2	2		
1114	2625	476	1024	1310	PSME	88.0	060	1	23	1	1	2	2		
1114	2626	465	1032	1395	CACH	20.6	058	1	1	3	3	2	2		
1114	2627	462	1037	1369	CACH	16.8	058	1	1	3	3	2	2		
1114	2628	463	1037	1366	CACH	19.4	058	1	1	3	3	2	2		

1114	2629	480	1037	1313	CACH	17.3	060	1	1	3	3	2	2	
1114	2630	479	1037	1310	CACH	17.2	060	1	1	3	3	2	2	
1114	2631	466	1047	1397	PSME	103.3	058	1	2	1	1	2	2	
1114	2632	472	1049	1341	TSHE	15.9	060	1	1	2	2	2	2	
1114	2633	481	1050	1303	CACH	19.1	060	1	1	3	3	2	2	
1114	2634	482	1052	1318	CACH	20.3	060	1	1	3	3	2	2	
1114	2635	471	1058	1335	CACH	23.0	060	1	1	3	3	2	2	
1114	2636	464	1061	1371	PSME	85.5	060	1	1	1	1	2	2	
1114	2637	470	1082	1330	CACH	17.0	060	1	1	3	3	2	2	
1114	2638	483	1063	1302	CACH	17.0	060	1	1	3	3	2	2	
1114	2639	467	1065	1382	PSME	119.4	060	1	21	1	1	2	2	
1114	2640	469	1087	1350	PSME	95.0	060	1	21	1	1	2	2	
1114	2641	468	1092	1368	CACH	15.4	060	1	1	3	3	2	2	
1214	2642	273	1103	1340	CACH	22.1	060	1	1	3	3	2	2	
1214	2643	272	1109	1343	PSME	58.1	060	1	1	1	1	2	2	
1214	2644	270	1109	1357	PILA	17.7	057	1	109	1	6	6	2	2
1214	2645	269	1110	1366	CACH	26.7	057	1	1	3	3	2	2	
1214	2646	271	1118	1345	CACH	16.2	057	1	1	3	3	2	2	
1214	2647	274	1119	1338	CACH	23.0	057	1	1	3	3	2	2	
1214	2648	254	1119	1391	CACH	18.2	057	1	1	3	3	2	2	
1214	2649	255	1126	1386	CACH	19.6	057	1	1	3	3	2	2	
1214	2650	268	1150	1328	PSME	91.0	057	1	21	1	1	2	2	
1214	2651	256	1153	1372	PSME	57.4	051	1	21	1	1	2	2	
1214	2652	257	1165	1391	CACH	25.9	051	1	1	3	3	2	2	
1214	2653	258	1173	1353	CACH	22.5	051	1	1	3	3	2	2	
1214	2654	259	1176	1354	PSME	126.8	051	1	1	1	1	2	2	
1214	2655	260	1180	1358	PSME	109.2	051	1	21	1	1	2	2	
1214	2656	261	1180	1379	CACH	15.2	051	1	1	3	3	2	2	
1214	2657	266	1184	1310	CACH	16.6	051	1	1	3	3	2	2	
1214	2658	265	1184	1317	PSME	101.5	051	1	1	1	1	2	2	
1214	2659	262	1186	1391	CACH	15.2	051	1	1	3	3	2	2	
1214	2660	267	1189	1301	PSME	105.8	051	1	1	1	1	2	2	
1214	2661	263	1194	1370	PSME	85.2	051	1	212	1	1	2	2	
1214	2662	264	1198	1328	CACH	15.1	051	1	1	3	3	2	2	
1314	2663	246	1210	1394	CACH	26.3	051	1	1	3	3	2	2	
1314	2664	235	1212	1322	CACH	17.2	051	1	1	3	3	2	2	
1314	2665	236	1215	1319	CACH	17.0	051	1	1	3	3	2	2	
1314	2666	234	1216	1301	CACH	19.6	051	1	22	3	3	2	2	
1314	2667	247	1216	1374	CACH	23.2	051	1	1	3	3	2	2	
1314	2668	245	1219	1334	CACH	17.7	051	1	1	3	3	2	2	
1314	2669	237	1219	1324	CACH	19.0	051	1	1	3	3	2	2	
1314	2670	278	1220	1374	CACH	18.8	051	1	1	3	3	2	2	
1314	2671	244	1228	1338	PSME	103.5	051	1	1	1	1	2	2	
1314	2672	233	1228	1308	CACH	16.9	051	1	1	3	3	2	2	
1314	2673	243	1234	1337	CACH	16.1	051	1	1	3	3	2	2	
1314	2674	232	1239	1310	CACH	15.2	051	1	21	3	3	2	2	
1314	2675	238	1243	1333	CACH	22.9	051	1	1	3	3	2	2	
1314	2676	231	1246	1303	TSHE	24.2	051	1	21	2	2	2	2	
1314	2677	241	1253	1326	CACH	23.0	051	1	1	3	3	2	2	
1314	2678	250	1255	1396	PSME	105.8	051	1	21	1	1	2	2	
1314	2679	249	1258	1366	CACH	28.8	051	1	1	3	3	2	2	
1314	2680	239	1253	1336	TSHE	16.8	051	1	2	2	2	2	2	
1314	2681	230	1267	1303	TSHE	30.9	052	1	1	2	2	2	2	
1314	2682	229	1272	1307	TSHE	30.1	052	1	1	2	2	2	2	

1314	2683	240	1276	1335	THPL	28.7	052	1	1	4	4	2	2		
1314	2684	242	1279	1358	CACH	19.0	051	1	1	3	3	2	2		
1314	2685	228	1280	1302	TSHE	15.6	052	1	3	2	2	2	2		
1314	2686	226	1281	1307	PSME	109.9	052	1	1	1	1	2	2		
1314	2687	227	1282	1314	TSHE	19.3	052	1	1	2	2	2	2		
1314	2688	251	1284	1373	THPL	31.6	050	1	114	1	4	4	2	2	
1314	2689	252	1283	1376	THPL	33.8	050	1	1	4	4	2	2		
1414	2690	161	1302	1340	THPL	34.6	049	1	1	4	4	2	2		
1414	2691	160	1305	1343	TSHE	24.3	049	1	1	2	2	2	2		
1414	2692	162	1309	1333	CACH	18.1	049	1	1	3	3	2	2		
1414	2693	159	1319	1350	PSME	131.7	049	1	21	1	1	2	2		
1414	2694	158	1320	1354	TSHE	38.3	049	1	1	2	2	2	2		
1414	2695	157	1330	1379	CACH	26.9	050	1	1	3	3	2	2		
1414	2696	163	1334	1329	LIDE	96.8	049	1	1	9	4	2	3		
1414	2697	156	1356	1379	PSME	89.0	050	1	25	1	1	2	2		
1414	2698	155	1357	1397	CACH	18.8	050	1	1	3	3	2	2		
1414	2699	164	1358	1343	TSHE	28.1	049	1	1	2	2	2	3		
1414	2700	154	1360	1385	PSME	104.1	050	1	1	1	1	2	2		
1414	2701	167	1362	1319	TSHE	42.7	049	1	2	1	2	2	2	3	
1414	2702	165	1363	1342	TSHE	36.4	049	1	1	2	2	2	3		
1414	2703	166	1364	1335	THPL	21.8	049	1	1	4	4	2	3		
1414	2704	168	1383	1315	PSME	162.8	049	1	21	1	1	2	3		
1414	2705	153	1384	1385	CACH	17.3	050	1	23	3	3	2	2		
1514	2706	132	1402	1386	PSME	167.7	023	1	156	1	1	1	2	3	
1514	2707	104	1402	1357	CACH	19.3	024	1	101	2	2	3	3	2	3
1514	2708	103	1408	1343	CACH	25.8	024	1	2	2	3	3	2	3	
1514	2709	108	1418	1372	CACH	28.8	023	1	1	3	3	2	3		
1514	2710	102	1421	1327	CACH	17.9	024	1	2	2	3	3	2	3	
1514	2711	101	1422	1324	CACH	24.7	024	1	2	2	3	3	2	3	
1514	2712	107	1438	1366	PSME	15.7	024	1	2	1	1	2	3		
1514	2713	106	1439	1361	PSME	24.7	024	1	1	1	1	2	3		
1514	2714	100	1439	1320	CACH	24.1	024	1	2	2	3	3	2	3	
1514	2715	109	1441	1379	CACH	20.7	024	1	1	3	3	2	3		
1514	2716	99	1442	1313	CACH	24.1	024	1	2	2	3	3	2	3	
1514	2717	98	1443	1316	CACH	26.3	024	1	2	2	3	3	2	3	
1514	2718	105	1445	1350	PSME	26.5	024	1	3	1	1	2	3		
1514	2719	118	1459	1324	CACH	18.1	024	1	21	3	3	2	3		
1514	2720	119	1461	1323	CACH	33.0	024	1	1	3	3	2	3		
1514	2721	117	1466	1330	PSME	33.2	024	1	1	1	1	2	3		
1514	2722	120	1469	1320	CACH	26.1	024	1	21	3	3	2	3		
1514	2723	110	1478	1390	CACH	25.1	023	1	1	3	3	2	3		
1514	2724	114	1478	1360	PSME	33.3	023	1	1	1	1	2	3		
1514	2725	121	1478	1314	CACH	25.4	024	1	1	3	3	2	3		
1514	2726	113	1487	1355	PSME	41.5	023	1	1	1	1	2	3		
1514	2727	111	1493	1373	PSME	25.0	023	1	1	1	1	2	3		
1514	2728	115	1494	1342	THPL	23.5	024	1	1	4	4	2	3		
1514	2729	116	1497	1338	PSME	31.6	024	1	1	1	1	2	3		
1614	2730	81	1503	1341	THPL	36.3	024	1	1	4	4	2	3		
1614	2731	112	1504	1345	THPL	24.0	024	1	2	3	4	4	2	3	
1614	2732	82	1505	1333	PSME	29.1	024	1	21	1	1	2	3		
1614	2733	74	1534	1344	PSME	22.5	014	1	25	1	1	2	3		
1614	2735	75	1540	1343	PSME	47.8	014	1	1	1	1	2	3		
1614	2736	73	1542	1354	THPL	24.4	014	1	25	4	4	2	3		
1614	2737	72	1545	1356	PSME	49.2	014	1	1	1	1	2	3		

1614	2733	66	1548	1370	THPL	16.0	014	1	1	4	4	2	3
1614	2742	64	1555	1385	THPL	16.4	014	1	1	4	4	2	1
1614	2743	63	1556	1370	PSME	39.0	014	1	1	1	1	2	3
1614	2744	79	1556	1327	PSME	15.3	014	1	25	1	1	2	3
1614	2745	68	1562	1370	THPL	22.0	014	1	1	4	4	2	3
1614	2746	78	1563	1320	PSME	28.0	014	1	1	1	1	2	3
1614	2743	67	1570	1385	THPL	15.0	014	1	2 3	4	4	2	1
1614	2749	62	1570	1392	PSME	28.1	014	1	25	1	1	2	1
1614	2750	77	1570	1330	CACH	15.0	014	1	1	3	3	2	3
1614	2751	71	1573	1360	PSME	43.9	014	1	1	1	1	2	3
1614	2752	69	1581	1368	PSME	27.5	014	1	1	1	1	2	3
1614	2753	60	1583	1376	PSME	29.1	014	1	3	1	1	2	1
1614	2754	76	1584	1339	CONU	17.7	014	1	2 2	8	5	2	3
1614	2755	70	1586	1364	PSME	19.0	014	1	1	1	1	2	3
1614	2756	59	1595	1384	PSME	47.0	014	1	1	1	1	2	1
0915	2773	600	0889	1406	PSME	62.9	077	1	1	1	1	2	2
0915	2774	599	0893	1410	CACH	16.1	077	1	35	3	3	2	2
0915	2775	598	0896	1409	CACH	22.6	077	1	35	3	3	2	2
0915	2776	601	0897	1420	PSME	59.0	077	1	2 4	1	1	2	2
1015	2777	597	0901	1470	PSME	81.3	077	1	1	1	1	2	2
1015	2778	596	0901	1446	PSME	73.8	077	1	1	1	1	2	2
1015	2779	583	0906	1406	PSME	34.4	077	1	25	1	1	2	2
1015	2780	584	0910	1424	PSME	68.5	077	1	21	1	1	2	2
1015	2781	595	0916	1454	PSME	41.5	077	1	251	1	1	2	2
1015	2782	594	0942	1455	CACH	21.8	077	1	1	3	3	2	2
1015	2783	593	0943	1458	CACH	18.6	077	1	1	3	3	2	2
1015	2784	592	0943	1457	CACH	18.2	077	1	1	3	3	2	2
1015	2785	586	0948	1404	CACH	17.0	076	1	1	3	3	2	2
1015	2786	585	0950	1404	CACH	18.2	076	1	1	3	3	2	2
1015	2787	587	0970	1408	CACH	21.0	076	1	1	3	3	2	2
1015	2788	591	0971	1425	CACH	22.7	076	1	1	3	3	2	2
1015	2789	590	0972	1440	CACH	20.8	076	1	1	3	3	2	2
1015	2790	588	0979	1442	CACH	23.5	076	1	1	3	3	2	2
1015	2791	589	0980	1440	CACH	20.5	076	1	1	3	3	2	2
1115	2792	458	1005	1401	PSME	80.9	058	1	24	1	1	2	2
1115	2793	457	1022	1403	PSME	89.5	058	1	23	1	1	2	2
1115	2794	456	1037	1423	TSHE	48.0	058	1	1	2	2	2	2
1115	2795	455	1044	1406	PSME	21.9	058	1	1	1	1	2	2
1115	2796	454	1060	1418	PSME	83.8	058	1	21	1	1	2	2
1115	2797	453	1078	1405	PSME	96.3	058	1	21	1	1	2	2
1215	2798	253	1105	1404	CACH	20.7	057	1	1	3	3	2	2
1315	2799	152	1280	1404	CACH	23.4	051	1	1	3	3	2	2
1415	2800	151	1304	1404	TSHE	68.5	050	1	1	2	2	2	2
1415	2801	149	1307	1416	TSHE	17.4	050	1	2	2	2	2	2
1415	2802	150	1310	1407	TSHE	47.2	050	1	25	2	2	2	2
1415	2803	148	1334	1401	PSME	76.8	050	1	33	1	1	2	2
1415	2804	147	1353	1403	PSME	63.2	050	1	1	1	1	2	2
1415	2805	146	1369	1412	PSME	101.9	050	1	3	1	1	2	2
1415	2806	145	1374	1403	CACH	18.2	050	1	1	3	3	2	2
1415	2807	144	1380	1420	CACH	23.4	050	1	25	3	3	2	2
1415	2808	143	1381	1416	TSHE	28.7	050	1	2 1	2	2	2	2
1415	2809	142	1390	1404	CACH	23.5	050	1	1	3	3	2	2
1515	2810	131	1402	1414	THPL	19.1	023	1	1	4	4	2	2
1515	2811	130	1410	1420	TSHE	23.2	023	1	1	2	2	2	1

1515	2812	129	1412	1412	THPL	18.0	023	1	1	4	4	2	1	
1515	2813	128	1432	1403	PSME	129.2	023	1	1	1	1	2	3	
1515	2814	126	1437	1405	CACH	15.5	023	1	1	3	3	2	3	
1515	2815	125	1460	1406	CACH	23.9	023	1	21	3	3	2	1	
1515	2816	124	1482	1404	PSME	98.0	023	1	21	1	1	2	1	
1515	2817	122	1490	1421	CACH	26.6	023	1	1	3	3	2	1	
1515	2818	123	1498	1407	CACH	21.0	023	1	1	3	3	2	1	
1615	2819	61	1573	1403	PSME	45.1	014	1	1	1	1	2	1	
0410	1800	1168	0306	0922	PSME	119.4	102	2	21	1	1	2	2	
0410	1801	1166	0322	0912	TSHE	35.8	099	2	1	2	2	2	2	
0410	1802	1175	0349	0934	PSME	98.0	098	1	028	1	1	2	2	
0410	1803	1235	0383	0905	TSHE	50.5	100	2	1	2	2	2	2	
0410	1804	1233	0389	0908	TSHE	42.1	100	2	1	2	2	2	2	
0410	1805	1236	0397	0928	TABR	22.4	097	1	073	3	7	4	2	2
0611	1982	951	0502	1002	CACH	22.1	095	1	1	3	3	2	2	
0611	1983	952	0515	1010	CACH	16.7	095	1	1	3	3	2	2	
0611	1984	960	0526	1034	CACH	25.7	094	1	061	1	3	3	2	2
0611	1985	959	0529	1030	TSHE	24.4	094	1	1	2	2	2	2	
0611	1986	953	0534	1010	PSME	100.2	095	1	3	1	1	2	2	
0611	1987	961	0536	1043	CACH	25.0	094	1	1	3	3	2	2	
0611	1988	958	0553	1024	PILA	20.4	094	1	1	6	6	2	2	
0611	1989	962	0565	1054	TSHE	21.0	094	1	1	2	2	2	2	
0611	1990	956	0572	1034	PSME	18.1	094	1	1	1	1	2	2	
0611	1991	957	0575	1040	TSHE	19.1	094	1	1	2	2	2	2	
0611	1992	954	0577	1033	TSHE	21.4	094	1	1	2	2	2	2	
0611	1993	963	0584	1060	PILA	51.8	094	1	1	6	6	2	2	
0611	1994	964	0589	1072	PSME	18.8	094	1	2	1	1	2	2	
0611	1995	955	0593	1039	TSHE	21.8	093	1	089	1	2	2	2	2
0711	1996	768	0603	1089	PSME	22.2	093	1	3	1	1	2	2	
0711	1997	763	0604	1081	CACH	17.9	093	1	3	3	3	2	2	
1111	2055	432	1080	1090	TSHE	27.0	086	6	052	1	2	2	3	3
1111	2056	429	1084	1026	PSME	140.3	176	2	111	23	1	1	3	3
1111	2057	430	1087	1061	TSHE	51.8	086	6	1	2	2	3	3	
1111	2058	431	1095	1083	PSME	110.0	086	6	21	1	1	3	3	
1211	2059	418	1102	1010	PILA	20.5	176	2	33	6	6	3	3	
1211	2060	417	1105	1001	PSME	19.0	176	2	3	1	1	3	3	
1211	2061	416	1107	1003	PSME	16.2	176	2	3	1	1	3	3	
1211	2062	428	1108	1088	TSHE	40.6	086	6	1	2	2	3	3	
1211	2063	415	1116	1002	PSME	29.5	176	2	2	1	1	3	3	
1211	2064	427	1119	1097	TSHE	33.2	085	6	044	1	2	2	3	3
1211	2065	426	1133	1098	TABR	35.6	085	6	21	7	4	3	3	
1211	2066	414	1137	1006	ACMA	26.5	176	2	1	5	5	3	3	
1211	2067	420	1140	1048	PSME	17.7	085	6	25	1	1	3	3	
1211	2068	421	1144	1060	TSHE	46.8	177	6	039	1	2	2	3	3
1211	2069	425	1145	1088	PSME	140.0	085	6	1	1	1	3	3	
1211	2070	422	1155	1073	THPL	41.6	177	6	1	4	4	3	3	
1211	2071	424	1159	1072	TSHE	52.8	177	6	1	2	2	3	3	
1211	2072	423	1162	1074	THPL	17.6	177	6	1	4	4	3	3	
1211	2073	413	1162	1002	ACMA	15.4	178	4	1	5	5	3	3	
1211	2074	412	1163	1002	ACMA	16.3	178	4	1	5	5	3	3	
1311	2075	394	1205	1080	CACH	19.4	045	4	145	1	3	3	3	3
1311	2076	358	1207	1076	CACH	21.4	045	4	1	3	3	3	3	
1311	2077	260	1228	1057	CONU	20.9	045	4	1	8	5	3	3	
1311	2079	216	1247	1065	PSME	146.4	045	4	2	2	1	1	3	3

1012	2241	536	0993	1120	TSHE	26.5	064	1	1	2	2	3	3		
1212	2261	300	1120	1109	CACH	16.4	063	1	1	3	3	3	3		
1212	2264	299	1135	1107	THPL	30.2	085	6	1	4	4	3	3		
1212	2268	298	1146	1104	TSHE	67.5	085	9	1	2	2	3	3		
1212	2271	297	1180	1111	THPL	23.9	045	4	1	4	4	3	3		
1212	2273	409	1199	1138	TSHE	15.0	046	1	1	2	2	3	3		
1312	2274	200	1208	1121	CACH	17.3	046	1	1	3	3	3	3		
1312	2275	208	1213	1174	THPL	24.8	044	2	079	1	4	4	3	3	
1312	2276	207	1228	1169	TABR	36.5	044	2	1	7	4	3	3		
1312	2277	199	1238	1117	CACH	18.7	046	1	1	3	3	3	3		
1312	2278	206	1238	1161	TABR	37.1	044	2	1	7	4	3	3		
1312	2279	198	1243	1112	ACMA	21.9	046	1	2	5	5	3	3		
1312	2280	201	1244	1135	THPL	25.1	044	2	25	4	4	3	3		
1312	2281	197	1246	1118	PSME	132.7	046	1	21	1	1	3	3		
1312	2282	205	1252	1161	TSHE	22.0	044	2	1	2	2	3	3		
1312	2283	202	1259	1132	TSHE	87.8	044	2	1	2	2	3	3		
1312	2284	204	1261	1143	THPL	19.8	044	2	1	4	4	3	3		
1312	2285	203	1265	1139	TSHE	18.8	044	2	2	2	2	3	3		
1412	2286	189	1301	1160	PSME	152.0	042	5	047	21	1	1	3	3	
1412	2287	188	1302	1166	CACH	20.0	042	5	25	3	3	3	3		
1412	2288	187	1303	1184	PSME	18.7	042	5	1	1	1	3	3		
1412	2289	186	1309	1188	PSME	27.5	042	5	1	1	1	3	3		
1412	2290	190	1312	1117	TSHE	15.0	043	6	016	2	1	2	2	3	3
1412	2291	184	1318	1172	TSHE	16.9	042	5	1	2	2	3	3		
1412	2293	185	1323	1187	PSME	20.6	042	5	1	1	1	3	3		
1412	2296	183	1337	1170	TSHE	25.9	042	5	1	2	2	3	3		
1412	2299	182	1394	1195	THPL	29.0	030	6	077	1	4	4	3	3	
1512	2303	1263	1422	1197	THPL	17.8	030	6	2	1	4	4	3	3	
1313	2503	210	1250	1220	PSME	18.4	048	2	043	1	1	1	3	3	
1313	2509	209	1297	1217	THPL	39.5	048	2	1	4	4	3	3		
1413	2513	181	1320	1223	CACH	22.3	029	1	112	1	3	3	3	3	
1413	2513	180	1354	1202	CACH	21.5	041	5	020	1	3	3	3	3	
1413	2521	179	1386	1217	PSME	26.8	030	6	1	1	1	3	3		
1413	2522	178	1387	1226	PSME	15.5	030	6	1	1	1	3	3		
1513	2524	134	1413	1232	PSME	134.0	030	6	1	1	1	3	3		
1513	2525	139	1443	1248	TSHE	36.3	417	4	082	1	2	2	3	3	
1513	2526	140	1443	1228	CONU	17.0	030	6	1	8	5	3	3		
1513	2527	135	1445	1204	TSHE	51.7	032	6	1	2	2	3	3		
1513	2528	141	1451	1254	THPL	20.0	417	1	1	4	4	3	3		
1513	2529	138	1464	1239	CACH	24.2	417	1	21	3	3	3	3		
1513	2530	136	1465	1222	THPL	16.7	417	1	1	4	4	3	3		
1613	2532	87	1502	1257	THPL	23.7	417	1	1	4	4	3	3		
1613	2533	88	1503	1254	PSME	19.8	417	1	3	1	1	3	3		
1613	2534	91	1505	1227	TSHE	47.2	417	1	1	2	2	3	3		
1613	2536	89	1509	1202	THPL	52.6	417	1	1	4	4	3	3		
1613	2538	90	1520	1215	PSME	31.1	417	4	1	1	1	3	3		
1613	2542	86	1568	1295	PSME	49.9	014	4	134	1	1	1	3	3	
1713	2548	58	1616	1290	PSME	65.9	012	6	034	25	1	1	3	3	
1614	2734	80	1536	1331	PSME	35.9	014	1	1	1	1	3	3		
1614	2740	84	1551	1313	CONU	20.8	014	1	1	8	5	3	3		
1614	2741	83	1554	1315	THPL	16.5	014	1	1	4	4	3	3		
1614	2747	85	1553	1310	PSME	26.8	014	1	1	1	1	3	3		
1814	2757	27	1726	1352	TABR	19.5	002	6	1	7	4	3	1		
1814	2758	26	1730	1354	TABR	16.4	002	6	1	7	4	3	1		

1814	2753	25	1733	1344	TSHE	37.6	002	6	1	2	2	3	1	
1814	2760	24	1733	1335	TSHE	30.8	002	6	2	2	2	3	1	
1814	2761	23	1757	1317	TSHE	42.2	002	6	1	2	2	3	1	
1814	2765	19	1775	1363	PSME	56.8	002	6	1	1	1	3	1	
1814	2766	18	1783	1342	PSME	57.1	002	6	1	1	1	3	1	
1814	2767	17	1793	1349	CACH	22.6	002	6	1	3	3	3	1	
1914	2769	4	1820	1334	PSME	151.9	001	6	21	1	1	3	1	
1914	2770	3	1850	1350	TSHE	53.3	001	6	1	2	2	3	1	
1914	2771	2	1859	1357	TSHE	16.8	001	6	3	2	2	3	1	
1914	2772	1	1865	1353	TSHE	34.1	001	6	1	2	2	3	1	
1211	2826	419	1133	1048	THPL	27.7	85	6	1	4	4	3	3	
0407	1089	1132	0318	0617	TSHE	22.0	134	2	1	2	2	3	3	
0407	1091	1135	0346	0654	PSME	133.1	133	2	045	1	1	1	3	3
0407	1094	1128	0386	0650	PSME	116.3	133	2	1	1	1	3	3	
0507	1096	915	0402	0629	TSHE	34.7	135	6	050	1	2	2	3	3
0507	1097	916	0421	0611	TSHE	18.8	135	6	1	2	2	3	3	
0507	1093	917	0436	0622	TSHE	39.4	138	6	037	1	2	2	3	3
0507	1099	918	0455	0609	PSME	134.0	140	6	025	1	1	1	3	3
0507	1100	921	0485	0610	ACMA	19.7	141	6	1	5	5	3	3	
0507	1101	919	0486	0676	PSME	24.4	140	6	1	1	1	3	3	
0507	1102	920	0488	0613	ACMA	19.6	141	6	1	5	5	3	3	
0507	1103	922	0490	0622	PSME	26.2	141	6	1	1	1	3	3	
0607	1104	543	0506	0636	PSME	16.5	141	6	1	1	1	3	3	
0607	1105	531	0506	0689	PSME	21.4	140	6	1	1	1	3	3	
0607	1106	532	0525	0683	PSME	23.7	148	2	134	1	1	1	3	3
0607	1107	537	0530	0645	PSME	119.5	142	5	062	1	1	1	3	3
0607	1108	533	0549	0691	TABR	16.8	142	5	1	7	4	3	3	
0607	1110	534	0560	0692	TSHE	25.0	148	2	1	2	2	3	3	
0608	1375	522	0515	0740	PSME	18.3	148	2	1	1	1	3	3	
0608	1376	529	0520	0712	PSME	18.2	148	2	1	1	1	3	3	
0608	1373	523	0526	0736	PSME	17.6	148	2	1	1	1	3	3	
0608	1373	524	0527	0722	PSME	32.0	148	2	1	1	1	3	3	
0608	1381	520	0534	0762	PSME	18.1	148	2	1	1	1	3	3	
0608	1382	528	0540	0724	PSME	15.5	148	2	1	1	1	3	3	
0608	1383	515	0542	0796	PSME	21.8	148	2	1	1	1	3	3	
0608	1384	518	0549	0778	PILA	30.2	149	1	039	1	6	6	3	3
0608	1385	530	0550	0702	PSME	16.2	148	2	1	1	1	3	3	
0608	1386	525	0564	0742	PSME	118.5	148	2	1	1	1	3	3	
0608	1387	519	0582	0782	PILA	29.0	149	1	1	6	6	3	3	
0608	1388	526	0585	0741	PSME	18.5	145	6	026	1	1	1	3	3
0608	1389	527	0589	0713	PSME	120.2	145	6	1	1	1	3	3	
0708	1390	827	0605	0775	PSME	18.1	149	1	1	1	1	3	3	
0708	1391	846	0640	0748	PSME	22.0	198	3	103	1	1	1	3	3
0708	1392	848	0649	0785	PSME	104.8	158	6	053	1	1	1	3	3
0708	1393	829	0654	0797	CACH	21.6	158	6	1	3	3	3	3	
0708	1394	847	0654	0752	PSME	15.1	198	3	2	1	1	1	3	3
0708	1395	823	0661	0737	PSME	17.4	198	3	3	1	1	3	3	
0708	1396	841	0663	0750	PSME	17.2	198	3	1	1	1	3	3	
0708	1397	844	0667	0761	PSME	85.3	198	3	1	1	1	3	3	
0708	1393	830	0676	0752	PSME	21.6	198	3	1	1	1	3	3	
0708	1400	845	0687	0726	PSME	15.7	198	3	25	1	1	3	3	
0708	1401	835	0689	0732	PSME	32.9	198	3	25	1	1	3	3	
0708	1402	832	0696	0737	PSME	25.6	198	3	1	1	1	3	3	
0708	1403	843	0686	0771	PSME	20.8	197	5	061	1	1	1	3	3

0708	1404	831	0685	0782	PSME	134.1	192	1	092	1	1	1	3	3	
0708	1405	837	0688	0797	PILA	101.7	192	1		1	6	6	3	3	
0808	1406	781	0703	0742	PSME	23.3	198	3		1	1	1	3	3	
0808	1408	780	0709	0722	TSHE	29.8	198	3		1	2	2	3	3	
0808	1409	784	0710	0773	PSME	31.5	197	5		1	1	1	3	3	
0808	1410	783	0720	0755	PSME	15.2	197	5		1	1	1	3	3	
0808	1411	782	0721	0748	PSME	37.8	197	5		1	1	1	3	3	
0808	1412	785	0727	0787	PSME	20.7	199	2	033	1	1	1	3	3	
0808	1413	786	0739	0781	PSME	20.5	199	2		1	1	1	3	3	
0808	1414	793	0738	0757	PSME	28.2	199	2		1	1	1	3	3	
0808	1415	798	0733	0734	ACMA	22.0	198	3		1	5	5	3	3	
0808	1416	797	0736	0731	TSHE	25.3	198	3		1	2	2	3	3	
0808	1417	796	0743	0725	TSHE	15.1	198	3		1	2	2	3	3	
0808	1418	795	0746	0738	PSME	17.8	197	5		1	1	1	3	3	
0808	1419	792	0747	0756	PSME	22.2	199	2		1	1	1	3	3	
0808	1421	787	0763	0788	PSME	19.1	200	2	096	1	1	1	3	3	
0808	1422	791	0762	0773	PSME	20.6	199	2		1	1	1	3	3	
0808	1423	794	0761	0739	PSME	22.2	197	5		1	1	1	3	3	
0808	1424	788	0770	0782	PSME	34.4	200	2		1	1	1	3	3	
0808	1425	789	0771	0798	THPL	21.5	200	2		1	4	4	3	3	
0908	1427	734	0816	0779	PSME	17.6	201	5	052	1	1	1	3	3	
0908	1428	735	0828	0766	TSHE	20.9	230	5		3	2	2	3	3	
0908	1437	742	0876	0796	TABR	21.7	228	2	019	1	7	4	3	3	
0609	1645	514	0550	0804	PILA	28.2	149	1		22	6	6	3	3	
0609	1649	509	0590	0850	PSME	111.2	159	1		1	1	1	3	3	
0709	1651	850	0601	0853	CACH	18.0	159	1		1	3	3	3	3	
0709	1652	840	0605	0852	CACH	13.7	159	1		1	3	3	3	3	
0709	1654	838	0611	0856	PILA	23.9	159	1		1	6	6	3	3	
0709	1656	854	0638	0811	PSME	99.7	158	6		1	1	1	3	3	
0709	1657	874	0678	0852	CACH	19.5	189	1	133	1	3	3	3	3	
0709	1658	868	0680	0857	PSME	134.4	189	1		1	1	1	3	3	
0709	1664	839	0604	0822	PSME	142.4	158	6		1	1	1	3	3	
0709	1666	861	0691	0850	CACH	19.2	189	1		1	3	3	3	3	
0709	1668	870	0697	0858	TABR	30.0	189	1		1	7	4	3	3	
0809	1669	776	0728	0857	PSMC	121.0	192	1		2	2	1	1	3	3
0809	1670	777	0729	0841	CACH	21.4	192	1		1	3	3	3	3	
0809	1671	762	0740	0809	PSME	31.1	200	2		1	1	1	3	3	
0809	1672	763	0741	0815	PSME	16.2	200	2		1	1	1	3	3	
0809	1673	764	0749	0814	PSME	19.0	200	2		1	1	1	3	3	
0809	1674	778	0751	0831	PSME	15.0	200	2		1	1	1	3	3	
0809	1675	765	0754	0807	TSHE	28.4	200	2		1	2	2	3	3	
0809	1676	771	0761	0801	PSME	18.0	200	2		1	1	1	3	3	
0809	1677	766	0766	0808	PSME	35.0	200	2		1	1	1	3	3	
0809	1678	773	0769	0804	PSME	17.8	200	2		1	1	1	3	3	
0809	1679	768	0770	0829	PSME	24.0	200	2		1	1	1	3	3	
0809	1680	767	0773	0813	PSME	25.5	200	2		1	1	1	3	3	
0809	1681	772	0775	0802	PSME	23.1	200	2		1	1	1	3	3	
0809	1683	770	0788	0827	ACMA	21.8	200	2		25	5	5	3	3	
0809	1684	769	0791	0836	PSME	13.2	200	2		25	1	1	3	3	
1009	1687	316	0905	0839	PSME	39.8	205	6	054	1	1	1	3	3	
1009	1688	314	0920	0886	PSME	44.3	204	1	098	2	2	1	1	3	3
1009	1689	300	0923	0869	PSME	21.9	205	6		25	1	1	3	3	
1110	1881	254	1013	0979	PSME	17.3	175	1	070	1	1	1	3	3	
1110	1881	230	1024	0932	PSME	148.2	182	6	120	25	1	1	3	3	

1110	1882	253	1042	0995	ACMA	21.5	175	1	1	5	5	3	3			
1110	1883	233	1048	0977	PSME	59.4	175	1	1	1	1	3	3			
1110	1885	215	1067	0975	ACMA	31.0	182	6	1	5	5	3	3			
1110	1886	212	1068	0980	ACMA	18.6	182	6	1	5	5	3	3			
1110	1887	238	1075	0965	PSME	23.8	182	6	1	1	1	3	3			
1210	1893	652	1114	0987	TSHE	20.7	182	6	1	2	2	3	3			
1210	1904	618	1154	0991	ACMA	46.9	178	4	1	5	5	3	3			
0205	576	310	0151	0499	PILA	15.7	360	6	045	1	6	6	3	3		
0205	577	309	0152	0496	TSHE	15.2	360	6	1	2	2	3	3			
0205	579	312	0170	0479	PSME	110.0	360	6	25	1	1	1	3	3		
0205	581	273	0172	0454	TSHE	18.3	362	6	057	1	2	2	3	4		
0205	582	313	0179	0481	CACH	19.1	360	6	1	3	3	3	3			
0205	583	311	0188	0483	TSHE	22.1	355	1	109	1	2	2	3	3		
0305	586	283	0208	0452	TSHE	20.1	362	6	1	2	2	3	4			
0306	856	328	0262	0522	PSME	123.9	351	6	1	1	1	3	3			
0406	853	1144	0302	0559	PSME	133.4	347	2	108	1	1	1	3	3		
0406	859	1135	0306	0598	PSME	111.0	134	2	064	1	1	1	3	3		
0406	861	1150	0337	0556	TSHE	25.9	347	2	1	2	2	3	3			
0406	867	1111	0369	0583	PSME	16.5	134	2	1	1	1	3	3			
0406	869	1112	0398	0539	TSHE	51.6	347	2	1	2	2	3	3			
0506	871	913	0414	0556	PSME	20.8	347	2	1	1	1	3	3			
0506	872	914	0416	0561	PSME	32.8	347	2	1	1	1	3	3			
0104	294	516	0034	0359	TABR	23.9	366	3	036	1	7	4	4	4		
0104	295	517	0038	0384	TSHE	43.7	366	3	1	2	2	4	4			
0104	296	515	0033	0361	TABR	27.7	366	3	1	7	4	4	4			
0104	297	521	0041	0310	TSHE	25.9	367	3	1	2	2	4	4			
0104	298	513	0042	0302	THPL	16.5	367	3	1	4	4	4	4			
0104	299	514	0043	0340	PSME	110.2	367	3	1	1	1	4	4			
0104	300	513	0045	0363	TSHE	30.7	366	3	1	2	2	4	4			
0104	301	522	0054	0316	TSHE	25.1	367	3	1	2	2	4	4			
0104	302	525	0054	0330	THPL	58.9	367	3	1	4	4	4	4			
0104	304	533	0064	0371	TABR	13.7	365	3	1	7	4	4	4			
0104	305	526	0068	0337	TSHE	29.5	367	3	1	2	2	4	4			
0104	306	534	0079	0372	TSHE	25.4	364	3	022	1	2	2	4	4		
0104	307	523	0080	0323	THPL	39.6	367	3	1	4	4	4	4			
0104	308	512	0095	0340	PSME	148.6	365	3	2	2	1	1	4	4		
0204	310	258	0103	0374	TABR	16.0	364	3	1	7	4	4	4			
0204	311	250	0103	0369	TSHE	49.3	364	3	1	2	2	4	4			
0105	554	508	0	26	0472	PSME	113.3	358	3	134	2	2	1	1	4	3
0105	555	535	0	27	0406	PSME	111.5	366	3	25	1	1	4	4		
0105	556	509	0	32	0484	TABR	24.1	358	3	1	7	4	4	3		
0105	557	507	0	48	0464	PSME	104.4	358	3	1	1	1	4	3		
0105	558	502	0	57	0433	TSHE	27.9	358	3	25	2	2	4	4		
0105	559	501	0	59	0414	PSME	117.3	359	3	053	1	1	1	4	4	
0105	561	503	0	61	0441	THPL	38.9	358	3	25	4	4	4	4		
0105	561	505	0	66	0456	TSHE	42.7	358	3	1	2	2	4	4		
0105	562	506	0	73	0464	TSHE	27.7	358	3	25	2	2	4	4		
0105	563	504	0	80	0450	TSHE	49.5	358	3	1	2	2	4	4		
0105	564	511	0	91	0457	TABR	19.1	358	3	1	7	4	4	4		
0105	565	510	0	93	0410	TSHE	87.9	365	3	1	2	2	4	4		
0205	566	308	0106	0492	PSME	84.6	358	3	1	1	1	4	3			
0205	567	307	0114	0478	PSME	119.6	358	3	1	1	1	4	3			
0205	568	305	0121	0441	TSHE	15.5	361	3	1	2	2	4	4			
0205	569	306	0125	0462	TSHE	23.6	361	3	1	2	2	4	4			

0205	57J	303	0136	0456	TABR	18.5	361	3	1	7	4	4	4
0205	571	302	0139	0454	TSHE	39.6	361	3	1	2	2	4	4
0205	572	284	0140	0438	TSHE	24.9	361	3	1	2	2	4	4
0205	573	298	0142	0418	PSME	126.0	361	3	1	1	1	4	4
0205	574	299	0144	0444	TSHE	19.6	361	3	1	2	2	4	4
0205	575	247	0147	0417	TSHE	22.6	361	3	1	2	2	4	4
0205	578	297	0159	0416	TSHE	24.1	363	3	018	1	2	2	4
0205	581	296	0179	0430	TSHE	17.5	363	3	1	2	2	4	4
0203	2821	210	0110	0200	PSME	136.4	375	4	1	1	1	5	5
1003	2822	53	0929	0294	TSHE	35.6	314	3	25	2	2	5	5
0103	9J	530	0080	0245	TSHE	25.4	374	4	019	1	2	2	5
0103	91	519	0080	0240	TSHE	22.8	374	4	1	2	2	5	5
0103	92	531	0085	0270	TSHE	22.1	409	7	199	1	2	2	5
0103	93	532	0092	0261	TSHE	22.9	374	4	1	2	2	5	5
0203	94	211	0101	0288	TSHE	21.1	368	4	1	2	2	5	5
0203	95	207	0109	0258	PSME	124.5	375	4	014	1	1	1	5
0203	96	203	0110	0280	TSHE	38.9	409	7	1	2	2	5	5
0203	97	220	0116	0238	TSHE	26.2	375	4	1	2	2	5	5
0203	98	226	0127	0225	TSHE	41.1	375	4	1	2	2	5	5
0203	99	224	0131	0252	TSHE	22.4	376	4	103	1	2	2	5
0203	100	232	0132	0277	TSHE	24.6	376	4	1	2	2	5	5
0203	101	231	0134	0290	PSME	147.0	376	4	1	1	1	5	5
0203	102	221A	0136	0240	TABR	31.5	376	4	1	7	4	5	5
0203	103	223	0139	0229	TSHE	16.3	376	4	1	2	2	5	5
0203	104	221B	0141	0222	TSHE	37.6	376	4	1	2	2	5	5
0203	105	230	0142	0295	TSHE	20.8	377	4	009	1	2	2	5
0203	106	2210	0148	0251	TABR	19.3	376	4	25	7	4	5	5
0203	107	222	0150	0236	ACMA	16.0	376	4	1	5	5	5	5
0203	108	239	0158	0245	TSHE	30.1	376	4	1	2	2	5	5
0203	109	238	0165	0252	TSHE	35.1	376	4	1	2	2	5	5
0203	110	233	0175	0277	TSHE	24.9	376	4	1	2	2	5	5
0203	111	237	0178	0271	TSHE	17.5	376	4	2	2	2	5	5
0203	112	234	0187	0297	TSHE	16.0	378	4	086	1	2	2	5
0203	113	236	0188	0290	TSHE	19.1	378	4	1	2	2	5	5
0203	114	235	0195	0296	TSHE	26.7	378	4	1	2	2	5	5
0204	314	251	0146	0325	TSHE	20.8	409	7	1	2	2	5	5
0204	313	244	0171	0339	PSME	77.0	378	4	1	1	1	5	5
0204	320	259	0172	0303	PSME	72.9	378	4	1	1	1	5	5
0204	323	245	0192	0310	TSHE	20.1	378	4	1	2	2	5	5
0304	324	262	0205	0366	TSHE	20.8	409	7	1	2	2	5	5
0304	325	276	0206	0309	TSHE	31.0	378	4	1	2	2	5	5
0304	326	275	0207	0303	TSHE	20.3	378	4	1	2	2	5	5
0304	327	277	0213	0312	TSHE	15.5	378	4	1	2	2	5	5
0304	328	274	0216	0305	TSHE	23.4	378	4	1	2	2	5	5
0304	329	260	0224	0385	TRPL	18.0	409	7	1	4	4	5	5
0304	330	261	0224	0378	ACMA	31.8	385	4	142	25	5	5	5
0304	331	263	0238	0370	TSHE	34.8	385	4	1	2	2	5	5
0304	332	264	0240	0383	TSHE	27.2	385	4	1	2	2	5	5
0304	333	269	0244	0344	PSME	150.8	386	4	114	1	1	1	5
0304	334	271	0244	0359	TSHE	20.1	385	4	1	2	2	5	5
0304	335	267	0262	0372	PSME	116.8	385	4	1	1	1	5	5
0304	336	265	0262	0396	TSHE	25.4	385	4	1	2	2	5	5
0304	337	272	0264	0356	TSHE	44.9	386	4	1	2	2	5	5
0304	338	266	0272	0390	TSHE	29.0	385	4	1	2	2	5	5

0304	339	268	0276	0368	TABR	18.5	386	4	1	7	4	5	5
0304	340	241	0278	0357	TSHE	40.9	386	4	1	2	2	5	5
0304	341	240	0284	0364	TSHE	19.8	386	4	1	2	2	5	5
0304	342	243	0291	0349	TSHE	27.9	386	4	1	2	2	5	5
0304	343	228	0293	0393	TSHE	14.2	385	4	1	2	2	5	5
0304	344	242	0293	0354	TSHE	31.2	386	4	1	2	2	5	5
0304	345	229	0294	0394	TSHE	35.6	385	4		2	2	5	5
0404	346	1101	0305	0363	TSHE	34.8	386	4	1	2	2	5	5
0404	347	257	0313	0364	TSHE	47.2	386	4	1	2	2	5	5
0404	348	273	0315	0358	TSHE	28.4	386	4	1	2	2	5	5
0404	349	1123	0317	0390	TSHE	61.5	385	4	1	2	2	5	5
0404	350	1125	0317	0378	TSHE	17.3	385	4	1	2	2	5	5
0504	369	884	0409	0307	TSHE	15.0	400	3	1	2	2	5	5
0604	384	589	0527	0395	TSHE	25.2	398	3	25	2	2	5	5
0604	385	590	0531	0382	TABR	35.0	398	3	2 2	7	4	5	5
0604	387	591	0540	0385	THPL	25.0	398	3	1	4	4	5	5
0604	391	594	0569	0376	TSHE	20.2	398	3	1	2	2	5	5
0704	393	220	0601	0394	PSME	27.7	337	4	25	1	1	5	5
0704	398	226	0619	0382	PSME	34.3	337	4	25	1	1	5	5
0704	400	211	0628	0384	PSME	29.0	337	4	25	1	1	5	5
0704	403	23	0639	0391	PSME	23.6	412	4	25	1	1	5	5
0305	601	294	0285	0423	TSHE	32.3	409	7	1	2	2	5	5
0405	604	1110	0303	0420	TSHE	15.5	385	4	1	2	2	5	5
0405	605	1108	0314	0412	TSHE	37.8	385	4	1	2	2	5	5
0405	607	1107	0326	0409	TSHE	20.3	385	4	1	2	2	5	5
0405	610	1106	0348	0452	TSHE	21.8	409	7	1	2	2	5	5
0405	612	1105	0361	0464	ACMA	31.0	409	7	1	5	5	5	5
0405	613	1104	0366	0461	TSHE	17.3	392	4	1	2	2	5	5
0405	615	1117	0371	0441	ACMA	16.0	392	4	1	5	5	5	5
0405	616	1116	0371	0473	TSHE	23.9	409	7	1	2	2	5	5
0405	617	1109	0373	0405	PSME	124.2	392	4	1	1	1	5	5
0405	618	1119	0378	0435	TSHE	18.3	392	4	25	2	2	5	5
0405	620	1102	0397	0422	ACMA	28.4	392	4	1	5	5	5	5
0505	621	901	0411	0433	ACMA	17.5	392	4	1	5	5	5	5
0505	622	900	0416	0453	ACMA	21.9	392	4	1	5	5	5	5
0505	623	893	0418	0413	TSHE	47.6	392	4	1	2	2	5	5
0505	624	898	0422	0486	TSHE	32.2	392	4	1	2	2	5	5
0505	625	899	0423	0465	TSHE	19.8	392	4	1	2	2	5	5
0505	626	892	0427	0407	TABR	21.0	392	4	1	7	4	5	5
0505	627	897	0436	0493	TSHE	16.6	392	4	2 2	2	2	5	5
0505	628	894	0440	0466	TSHE	30.5	392	4	1	2	2	5	5
0505	629	895	0442	0472	PSME	141.0	392	4	1	1	1	5	5
0505	630	891	0446	0440	PSME	140.0	392	4	1	1	1	5	5
0505	631	896	0450	0498	TSHE	29.8	392	4	1	2	2	5	5
0505	632	890	0459	0464	TSHE	23.3	392	4	1	2	2	5	5
0505	633	888	0482	0476	PSME	118.0	392	4	212	1	1	5	5
0505	634	889	0496	0489	PSME	19.2	392	4	1	1	1	5	5
0605	635	565	0505	0480	ACMA	22.5	392	4	1	5	5	5	5
0605	636	568	0506	0466	PSME	18.2	395	4	106 1	1	1	5	5
0605	637	569	0507	0450	THPL	36.3	395	4	1	4	4	5	5
0605	638	570	0509	0441	PSME	26.5	395	4	1	1	1	5	5
0605	639	583	0519	0420	ACMA	15.0	395	4	1	5	5	5	5
0605	640	582	0523	0431	PSME	18.3	395	4	1	1	1	5	5
0605	641	571	0527	0447	TSHE	32.3	395	4	1	2	2	5	5

0605	642	584	0532	0423	PSME	32.2	395	4		1	1	1	5	5	
0605	643	572	0534	0455	TSHE	29.4	395	4		1	2	2	5	5	
0605	644	585	0538	0432	PSME	26.0	395	4		1	1	1	5	5	
0605	645	566	0540	0489	PSME	21.2	396	4	069	1	1	1	5	5	
0605	646	567	0551	0491	PSME	16.0	396	4		2	1	1	1	5	5
0605	647	575	0553	0464	PSME	15.7	397	5	023	1	1	1	5	5	
0605	648	581	0554	0427	PSME	26.1	395	4		1	1	1	5	5	
0605	649	579	0560	0434	THPL	31.3	397	5		1	4	4	5	5	
0605	650	585	0560	0440	PSME	16.0	397	5		1	1	1	5	5	
0605	652	573	0562	0464	PSME	152.0	397	5		1	1	1	5	5	
0605	653	577	0567	0447	PSME	17.0	397	5		1	1	1	5	5	
0605	654	578	0569	0439	TSHE	57.8	397	5		1	2	2	5	5	
0605	655	574	0574	0471	PSME	21.3	335	4	096	1	1	1	5	5	
0605	656	586	0580	0420	PSME	48.7	337	4		1	1	1	5	5	
0605	657	576	0586	0480	PSME	131.0	335	4		1	1	1	5	5	
0605	658	587	0590	0436	PSME	26.5	336	5	043	1	1	1	5	5	
0605	659	588	0597	0416	PSME	35.6	337	4		1	1	1	5	5	
0705	660	222	0604	0465	PSME	23.1	336	5		1	1	1	5	5	
0705	661	929	0605	0440	PSME	19.8	336	5		1	1	1	5	5	
0705	662	214	0617	0480	PSME	16.2	336	5		1	1	1	5	5	
0705	663	225	0619	0461	PSME	31.0	336	5		1	1	1	5	5	
0705	664	942	0620	0416	PSME	20.5	337	4		1	1	1	5	5	
0705	665	223	0620	0420	PSME	37.3	337	4		1	1	1	5	5	
0705	666	221	0625	0487	PSME	21.8	335	4		1	1	1	5	5	
0705	667	943	0628	0435	PSME	36.8	337	4		1	1	1	5	5	
0705	668	215	0636	0460	PSME	22.3	337	4		1	1	1	5	5	
0705	669	930	0649	0408	PSME	37.1	412	4		1	1	1	5	5	
0705	671	948	0688	0479	PSME	32.2	332	2		25	1	1	5	5	
0805	697	839	0784	0494	PSME	56.5	326	4	138	25	1	1	5	5	
0905	699	929	0809	0410	THPL	36.8	325	6		1	4	4	5	5	
0905	700	924	0810	0481	THPL	46.0	326	4		1	4	4	5	5	
0905	702	925	0817	0487	THPL	40.0	326	4		2	5	4	4	5	5
0905	703	926	0820	0462	PSME	19.0	326	4		1	1	1	5	5	
0905	704	923	0822	0475	PSME	88.8	326	4		1	1	1	5	5	
0905	705	931	0839	0442	TABR	23.0	326	4		1	7	4	5	8	
0905	707	922	0848	0489	THPL	42.3	326	4		1	4	4	5	5	
0905	714	921	0891	0493	PSME	18.1	301	4	116	1	1	1	5	8	
1005	716	271	0914	0486	ALRU	23.6	301	4		25	10	5	5	8	
1005	717	280	0915	0473	PSME	29.9	301	4		25	1	1	5	8	
1005	719	282	0922	0467	PSME	38.7	301	4		25	1	1	5	8	
1005	720	279	0923	0478	PSME	19.8	301	4		25	1	1	5	8	
1005	721	272	0937	0486	ACMA	15.9	301	4		25	5	5	5	8	
1005	725	275	0959	0498	ACMA	34.0	302	5		25	5	5	5	8	
1005	727	374	0962	0498	TSHE	40.1	302	5		25	2	2	5	8	
0606	887	556	0515	0502	TSHE	18.3	396	4		1	2	2	5	5	
0606	888	555	0519	0513	PSME	149.0	396	4		1	1	1	5	5	
0606	892	557	0537	0505	THPL	27.0	396	4		1	4	4	5	5	
0606	894	552	0545	0531	ACMA	36.0	409	7		1	5	5	5	5	
0606	897	558	0570	0530	TSHE	19.8	341	4	049	1	2	2	5	5	
0606	898	559	0572	0535	THPL	25.3	341	4		1	4	4	5	5	
0606	899	560	0576	0535	THPL	23.5	341	4		1	4	4	5	5	
0606	901	561	0584	0529	TSHE	20.8	341	4		1	2	2	5	5	
0606	902	562	0585	0518	PSME	31.0	341	4		1	1	1	5	5	
0606	904	563	0594	0517	TABR	27.7	341	4		1	7	4	5	5	

0706	905	928	0618	0504	PSME	138.4	335	4	1	1	1	5	5	
0706	906	945	0627	0523	PSME	23.8	335	4	1	1	1	5	5	
0706	908	941	0635	0566	ACMA	32.5	335	4	1	5	5	5	5	
0706	909	940	0644	0524	PSME	23.2	334	4	056	1	1	1	5	5
0706	910	947	0647	0540	PSME	35.7	334	4	1	1	1	5	5	
0706	911	937	0647	0553	PSME	34.1	334	4	1	1	1	5	5	
0706	912	932	0648	0563	PSME	38.2	334	4	1	1	1	5	5	
0706	913	949	0654	0512	ACMA	18.5	334	4	21	5	5	5	5	
0706	914	939	0671	0542	TSHE	30.5	334	4	1	2	2	5	5	
0706	915	936	0672	0524	ACMA	17.7	334	4	25	5	5	5	5	
0706	916	938	0674	0531	PSME	19.7	334	4	25	1	1	5	5	
0706	917	934	0675	0524	ACMA	31.9	334	4	25	5	5	5	5	
0706	918	935	0684	0519	TSHE	25.4	334	4	1	2	2	5	5	
0806	919	816	0709	0547	PSME	32.4	244	7	049	1	1	1	5	5
0806	920	814	0710	0565	ACMA	18.9	244	7	1	5	5	5	5	
0806	921	815	0718	0556	ACMA	23.5	244	7	1	5	5	5	5	
0806	923	818	0723	0548	TSHE	20.5	244	7	1	2	2	5	5	
0806	924	817	0728	0549	ACMA	18.3	244	7	21	5	5	5	5	
0806	925	819	0742	0542	PSME	93.0	244	7	1	1	1	5	5	
0806	927	823	0758	0520	ACMA	24.0	300	4	050	1	5	5	5	5
0806	928	822	0765	0523	ACMA	33.5	300	4	2	5	5	5	5	
0806	929	821	0780	0522	ACMA	27.0	300	4	21	5	5	5	5	
0906	931	909	0817	0515	PSME	102.9	299	4	1	1	1	5	5	
0906	932	908	0818	0520	ALRU	36.3	297	7	3	10	5	5	5	
0906	942	918	0895	0523	THPL	37.0	297	7	1	4	4	5	8	
0906	943	919	0897	0519	THPL	76.8	297	7	1	4	4	5	8	
1006	945	398	0933	0516	TSHE	35.6	296	2	25	2	2	5	8	
0303	115	209	0203	0281	TSHE	29.7	378	4	1	2	2	6	5	
0303	116	201	0205	0220	PSME	129.0	381	5	019	1	1	1	6	6
0303	117	202	0221	0241	PSME	132.6	381	5	1	1	1	6	6	
0303	118	213	0232	0255	TSHE	16.5	379	3	044	1	2	2	6	6
0303	119	212	0234	0230	PSME	115.1	384	5	024	1	1	1	6	6
0303	120	204	0239	0281	TSHE	64.5	379	3	1	2	2	6	5	
0303	121	208	0245	0205	TABR	14.7	384	5	2	2	7	4	6	6
0303	122	206	0275	0230	TSHE	21.1	387	3	170	1	2	2	6	6
0303	123	205	0280	0266	PSME	129.0	387	3	1	1	1	6	6	
0403	125	263	0321	0267	ACMA	22.9	387	3	1	5	5	6	6	
0403	127	254	0328	0284	TSHE	22.6	387	3	1	2	2	6	6	
0403	128	255	0340	0264	PSME	120.4	389	3	106	1	1	1	6	6
0403	129	251	0342	0244	PSME	26.7	389	3	1	1	1	6	6	
0403	133	285	0373	0250	PSME	21.3	389	3	25	1	1	6	6	
0403	134	291	0380	0250	PSME	31.0	389	3	1	1	1	6	6	
0403	136	299	0392	0260	PSME	24.4	389	3	1	1	1	6	6	
0503	138	824	0416	0282	PSME	102.0	402	3	113	2	1	1	6	6
0503	139	822	0436	0270	PSME	99.0	402	3	2	2	1	1	6	5
0503	141	820	0454	0289	TSHE	20.6	402	3	1	2	2	6	5	
0503	142	821	0466	0277	PSME	105.0	402	3	21	1	1	6	5	
0503	144	819	0471	0289	THPL	16.2	402	3	21	4	4	6	5	
0503	145	817	0478	0269	PSME	110.0	402	3	21	1	1	6	5	
0503	146	818	0484	0295	TSHE	40.2	402	3	1	2	2	6	5	
0503	147	815	0495	0280	TSHE	35.2	402	3	1	2	2	6	5	
0603	148	814	0513	0289	TSHE	36.0	402	3	1	2	2	6	5	
0603	161	802	0580	0268	TSHE	17.8	340	2	1	2	2	6	5	
0404	351	259	0318	0347	TSHE	23.6	386	4	1	2	2	6	5	

0404	352	Z69	0328	0351	THPL	16.8	390	3	094	25	4	4	6	6
0404	353	Z71	0330	0325	TSHE	29.0	390	3		1	2	2	6	6
0404	354	Z72	0334	0351	TSHE	48.5	390	3		1	2	2	6	6
0404	355	Z56	0336	0357	TSHE	28.4	391	3	071	1	2	2	6	5
0404	356	Z70	0337	0385	TSHE	41.4	385	4		2 5	2	2	6	5
0404	357	Z75	0339	0305	ACMA	24.9	390	3		1	5	5	6	6
0404	358	Z65	0341	0371	TSHE	43.4	391	3		1	2	2	6	5
404	359	Z62	349	344	TSHE	20.8	391	3		1	2	2	6	5
0404	360	Z52	0350	0350	TSHE	17.3	391	3		1	2	2	6	5
0404	361	Z67	0354	0358	TSHE	21.6	391	3		1	2	2	6	5
0404	362	Z74	0356	0318	TSHE	28.4	390	3		1	2	2	6	6
0404	363	Z53	0356	0347	TSHE	46.2	391	3		1	2	2	6	5
0404	364	Z64	0363	0363	TSHE	20.6	391	3		25	2	2	6	5
0404	365	Z66	0372	0394	PSME	132.8	391	3		1	1	1	6	5
0404	366	Z68	0394	0366	PSME	113.1	391	3		1	1	1	6	5
0404	367	Z53	0395	0388	ACMA	20.8	392	4	231	1	5	5	6	5
0504	368	885	0407	0306	TSHE	32.5	400	3	051	1	2	2	6	6
0504	370	883	0416	0320	TSHE	26.0	400	3		1	2	2	6	5
0504	371	882	0419	0322	TSHE	30.0	400	3		1	2	2	6	5
0504	372	879	0438	0302	TSHE	16.4	400	3		1	2	2	6	5
0504	373	880	0438	0334	TSHE	25.8	400	3		2 2	2	2	6	5
0504	374	887	0444	0381	TSHE	25.7	399	2	129	1	2	2	6	5
0504	375	881	0445	0339	TABR	14.8	400	3		1	7	4	6	5
0504	376	886	0460	0366	THPL	21.1	399	2		2 1	4	4	6	5
0504	377	877	0472	0321	PSME	70.0	399	2		25	1	1	6	5
0504	378	876	0477	0340	PSME	110.0	399	2		1	1	1	6	5
0504	379	825	0484	0369	TSHE	36.7	399	2		1	2	2	6	5
0504	380	878	0492	0320	PSME	75.9	401	3		1	1	1	6	5
0604	381	593	0514	0361	TSHE	27.4	398	4	082	25	2	2	6	5
0604	382	592	0521	0368	THPL	48.7	398	4		1	4	4	6	5
0604	383	599	0526	0339	TSHE	22.3	338	3	158	1	2	2	6	5
0604	385	598	0537	0357	PSME	87.0	398	3		1	1	1	6	5
0604	388	600	0543	0311	PSME	131.0	338	3		1	1	1	6	5
0604	389	597	0550	0333	THPL	15.3	338	3		1	4	4	6	5
0604	390	596	0558	0326	TSHE	34.2	338	3		1	2	2	6	5
0604	392	595	0596	0378	TSHE	39.3	337	4	109	1	2	2	6	5
0704	394	Z12	0602	0350	TSHE	29.5	338	3		25	2	2	6	5
0704	395	Z09	0602	0355	PSME	20.8	338	3		1	1	1	6	5
0704	396	Z35	0603	0366	TSHE	21.8	338	3		1	2	2	6	5
0704	397	Z10	0615	0352	TSHE	32.0	338	3		25	2	2	6	5
0704	401	Z17	0638	0350	TSHE	19.1	412	4	081	25	2	2	6	5
0704	402	Z7	0638	0356	TSHE	20.3	412	4		25	2	2	6	5
0704	404	Z6	0641	0353	TSHE	29.7	412	4		25	2	2	6	5
0704	405	Z2	0641	0375	PSME	15.7	412	4		25	1	1	6	5
0704	406	Z5	0643	0373	TSHE	17.8	412	4		25	2	2	6	5
0704	407	Z18	0647	0369	TSHE	38.6	412	4		25	2	2	6	5
0902	2820	975	0849	0145	PSME	141.3	322	1		1	1	1	7	7
1303	2823	442	1248	0206	PSME	100.1	288	1		1	1	1	7	7
1303	2824	492	1209	0206	TSHE	13.5	288	1		1	2	2	7	7
1303	2825	489	1225	0204	TSHE	27.7	287	1		25	2	2	7	7
1406	1025	661	1348	0511	CACH	15.5	279	6		25	3	3	7	7
1406	1031	667	1364	0511	PSME	31.2	280	1		1	1	1	7	7
1406	1033	668	1369	0525	CACH	19.1	280	1		25	3	3	7	7
1406	1036	669	1383	0506	PSME	99.5	280	1		1	1	1	7	7

1406	1037	638	1384	0540	PSME	140.2	280	1	1	1	1	7	7	
1506	1042	354	1409	0545	PSME	27.7	280	1	3	1	1	7	7	
1506	1045	798	1414	0540	CACH	17.0	280	1	3	3	3	7	7	
1101	1	997	0982	0091	PSME	136.4	312	1	090	1	1	1	7	7
1101	2	991	1002	0055	PSME	17.0	309	1	130	25	1	1	7	7
1101	3	990	1004	0091	CACH	18.7	309	1	1	1	3	3	7	7
1101		140	1009	0039	PSME	110.7	309	1	25	1	1	1	7	7
1101		142	1010	0031	PSME	112.0	309	1	1	1	1	1	7	7
1101	4	992	1011	0053	PSME	17.5	309	1	1	1	1	1	7	7
1101	5	989	1019	0089	CONU	15.5	309	1	1	8	5	7	7	7
1101	6	895	1021	0063	CACH	18.7	309	1	25	3	3	7	7	7
1101	7	893	1024	0051	CACH	23.3	309	1	1	3	3	7	7	7
1101	8	988	1026	0076	PSME	21.0	309	1	1	1	1	7	7	7
1101	9	900	1029	0048	TSHE	75.5	309	1	1	2	2	7	7	7
1101	10	993	1032	0039	CACH	15.2	309	1	1	3	3	7	7	7
1101	11	986	1041	0044	TSHE	21.0	309	1	25	2	2	7	7	7
1101	12	898	1046	0032	CACH	26.1	311	1	037	1	3	3	7	7
1101	13	987	1046	0060	THPL	29.5	309	1	1	4	4	7	7	7
1101	14	980	1053	0090	TSHE	14.7	309	1	1	2	2	7	7	7
1101	15	985	1057	0032	CACH	15.1	311	1	35	3	3	7	7	7
1101	16	899	1059	0019	TSHE	91.5	311	1	2	2	2	7	7	7
1101	17	984	1063	0030	CACH	16.0	311	1	25	3	3	7	7	7
1101	18	983	1076	0023	THPL	30.5	311	1	3	4	4	7	7	7
1101	19	982	1083	0060	TSHE	19.7	310	1	139	1	2	2	7	7
1101	20	981	1084	0079	TSHE	23.7	310	1	1	2	2	7	7	7
1101	21	897	1095	0041	TSHE	68.6	310	1	22	2	2	7	7	7
1101	22	896	1096	0076	TSHE	24.3	310	1	1	2	2	7	7	7
1201	23	421	1126	0076	CACH	28.9	310	1	1	3	3	7	7	7
1201	24	404	1132	0063	CACH	15.1	310	1	1	3	3	7	7	7
1201	25	402	1150	0080	CACH	30.9	310	1	1	3	3	7	7	7
0702	26	Z90	0609	0193	CACH	18.3	329	1	205	1	3	3	7	7
0702	27	Z100	0628	0194	CACH	15.7	329	1	1	3	3	7	7	7
0702	28	Z96	0650	0185	PSME	146.8	329	1	1	1	1	7	7	7
0802	29	891	0773	0195	PSME	145.0	323	1	108	1	1	1	7	7
0802	30	892	0794	0185	CACH	21.8	323	1	1	3	3	7	7	7
0902	31	978	0809	0185	PSME	17.6	323	1	1	1	1	7	7	7
0902	32	977	0817	0187	TSHE	35.5	323	1	1	2	2	7	7	7
0902	33	976	0836	0163	TSHE	26.2	322	1	079	1	2	2	7	7
0902	34	972	0875	0192	PSME	114.4	321	1	112	1	1	1	7	5
0902	35	974	0892	0185	CACH	23.0	321	1	1	3	3	7	7	7
1002	36	973	0903	0185	PSME	94.7	321	1	1	1	1	7	5	7
1002	37	995	0907	0127	THPL	35.0	321	1	25	4	4	7	7	7
1002	38	994	0910	0196	PSME	123.4	321	1	23	1	1	7	5	7
1002	39	29	0920	0185	PSME	109.6	321	1	21	1	1	7	5	7
1002	40	996	0944	0118	PSME	159.7	312	1	1	1	1	7	7	7
1002	41	27	0960	0138	TSHE	19.8	313	5	080	1	2	2	7	7
1002	42	1000	0963	0123	TSHE	39.3	312	1	25	2	2	7	7	7
1002	43	998	0976	0112	TSHE	22.9	312	1	25	2	2	7	7	7
1002	44	38	0978	0136	TSHE	34.0	313	5	1	2	2	7	7	7
1002	45	36	0980	0145	TSHE	45.0	313	5	1	2	2	7	7	7
1002	46	999	0980	0103	THPL	37.2	312	1	25	4	4	7	7	7
1002	47	32	0991	0107	PSME	119.1	312	1	1	1	1	7	7	7
1002	48	40	0991	0150	TSHE	17.8	313	5	1	2	2	7	7	7
1102	53	24	1005	0125	PSME	125.8	312	1	1	1	1	7	7	7

1102	54	146	1030	0122	THPL	37.3	309	1	1	4	4	7	7	
1102	56	147	1037	0106	TSHE	24.1	309	1	1	2	2	7	7	
1102	58	76	1043	0111	THPL	63.3	309	1	31	4	4	7	7	
1102	60	150	1049	0116	THPL	57.3	309	1	2	4	4	7	7	
1102	61	124	1053	0104	TSHE	43.0	309	1	1	2	2	7	7	
1102	62	26	1066	0104	TSHE	48.3	309	1	1	2	2	7	7	
1202	65	419	1107	0115	PSME	85.2	288	1	213	1	1	1	7	7
1202	67	411	1119	0119	TSHE	23.7	288	1	1	2	2	7	7	
1202	68	415	1120	0132	TSHE	19.0	288	1	1	2	2	7	7	
1202	70	401	1127	0108	TSHE	19.2	288	1	1	2	2	7	7	
1202	72	412	1131	0123	TSHE	30.2	288	1	1	2	2	7	7	
1202	73	425	1148	0104	TSHE	25.0	288	1	1	2	2	7	7	
1202	74	408	1148	0133	TSHE	15.8	288	1	22	2	2	7	7	
1202	75	422	1160	0140	TSHE	23.4	288	1	1	2	2	7	7	
1202	77	420	1164	0154	CACH	19.9	288	1	1	3	3	7	7	
1202	78	423	1167	0132	CACH	18.0	288	1	1	3	3	7	7	
1202	79	405	1174	0124	PSME	61.2	288	1	1	1	1	7	7	
1202	80	417	1174	0158	TSHE	42.0	288	1	1	2	2	7	7	
1202	82	406	1177	0144	TSHE	17.8	288	1	1	2	2	7	7	
1202	83	717	1185	0185	TSHE	23.6	288	1	1	2	2	7	7	
1202	84	745	1187	0197	CACH	16.2	288	1	1	3	3	7	7	
1202	85	407	1187	0139	TSHE	16.5	288	1	1	2	2	7	7	
1202	86	409	1198	0150	TSHE	23.7	288	1	1	2	2	7	7	
0703	163	282	0601	0228	PSME	14.7	329	1	25	1	1	7	7	
0703	166	281	0605	0232	PSME	24.1	329	1	1	1	1	7	7	
0703	168	249	0622	0224	TSHE	30.2	329	1	1	2	2	7	7	
0703	169	247	0625	0212	TSHE	23.1	329	1	1	2	2	7	7	
0703	171	237	0636	0247	TSHE	21.6	340	2	1	2	2	7	5	
0703	174	279	0661	0216	TSHE	35.6	329	1	1	2	2	7	7	
0703	175	278	0670	0224	TSHE	24.1	339	2	1	2	2	7	7	
0703	177	277	0673	0220	TSHE	17.8	339	2	25	2	2	7	7	
0703	178	276	0675	0231	PSME	16.0	339	2	1	1	1	7	7	
0703	179	239	0675	0237	PSME	18.8	339	2	25	1	1	7	5	
0703	180	298	0675	259	PSME	17.8	330	2	49	1	1	1	7	5
0703	181	284	0680	0220	PSME	15.7	329	1	1	1	1	7	7	
0803	183	878	0701	0230	TSHE	21.3	329	1	1	2	2	7	7	
0803	184	877	0702	0227	TSHE	18.5	329	1	1	2	2	7	7	
0803	185	879	0712	0259	TSHE	16.7	330	2	1	2	2	7	5	
0803	187	876	0720	0224	CACH	25.2	329	1	1	3	3	7	7	
0803	188	875	0721	0206	CACH	30.4	329	1	1	3	3	7	7	
0803	193	887	0770	0226	PSME	115.0	323	1	21	1	1	7	7	
0803	194	890	0772	0207	CACH	22.6	323	1	1	3	3	7	7	
0803	195	889	0781	0207	CACH	22.9	323	1	1	3	3	7	7	
0803	197	888	0782	0221	PSME	100.0	323	1	1	1	1	7	7	
0903	199	959	0817	0217	PSME	95.7	323	1	210	1	1	7	5	
0903	202	960	0841	0208	PSME	108.2	321	1	1	1	1	7	5	
0903	203	962	0848	0229	TSHE	20.1	321	1	1	2	2	7	5	
0903	204	961	0854	0222	CACH	16.4	321	1	1	3	3	7	5	
0903	207	971	0875	0208	TSHE	29.7	321	1	1	2	2	7	5	
0903	210	970	0888	0220	CACH	16.2	321	1	1	3	3	7	5	
1303	280	477	1233	0240	TSHE	17.8	287	1	25	2	2	7	7	
1303	282	478	1238	0234	TSHE	15.6	287	1	25	2	2	7	7	
1303	284	441	1251	0251	CACH	28.2	287	1	1	3	3	7	7	
1303	285	444	1266	0289	TSHE	68.0	287	1	1	2	2	7	7	

1303	286	453	1268	0222	TSHE	23.8	286	1	063	1	2	2	7	7
1303	287	475	1270	0228	TSHE	16.3	286	1		1	2	2	7	7
1303	283	495	1275	0216	PSME	61.6	286	1		1	1	1	7	7
1303	289	446	1277	0232	TSHE	43.6	286	1		1	2	2	7	7
1303	290	493	1279	0225	TSHE	17.1	286	1		1	2	2	7	7
1303	291	452	1283	0200	PSME	78.3	286	1		1	1	1	7	7
1303	292	445	1284	0276	TSHE	30.4	286	1		1	2	2	7	7
1403	293	792	1303	0283	TSHE	45.2	285	1	047	1	2	2	7	7
1304	537	724	1280	0324	PSME	131.8	283	6		1	1	1	7	7
1304	533	730	1289	0304	PSME	128.3	285	1		1	1	1	7	7
1404	540	358	1304	0336	TSHE	16.6	284	1	077	1	2	2	7	7
1404	541	774	1305	0342	TSHE	18.6	284	1		1	2	2	7	7
1404	542	710	1306	0356	CACH	18.3	284	1		25	3	3	7	7
1404	543	707	1318	0386	TSHE	16.5	284	1		1	2	2	7	7
1404	544	708	1325	0377	TSHE	21.7	284	1		1	2	2	7	7
1404	545	711	1326	0310	TSHE	16.9	285	1		1	2	2	7	7
1404	546	779	1326	0334	PSME	73.0	284	1		2 2	1	1	7	7
1404	547	706	1328	0392	TSHE	27.2	284	1		1	2	2	7	7
1404	548	350	1335	0379	TSHE	21.8	284	1		1	2	2	7	7
1404	549	384	1337	0364	TSHE	15.5	284	1		1	2	2	7	7
1404	550	392	1338	0341	TSHE	24.0	284	1		1	2	2	7	7
1404	551	395	1340	0349	TSHE	31.8	284	1		1	2	2	7	7
1404	552	705	1341	0398	TSHE	21.0	281	1	086	1	2	2	7	7
1404	553	777	1358	0396	PSME	47.0	281	1		1	1	1	7	7
1405	806	701	1323	0424	TSHE	32.6	281	1		1	2	2	7	7
1405	807	372	1328	0445	TSHE	28.0	281	1		1	2	2	7	7
1405	808	719	1329	0469	CACH	18.2	279	6		31	3	3	7	7
1405	809	720	1336	0485	PSME	20.8	279	6		1	1	1	7	7
1405	810	703	1343	0446	CACH	18.0	281	1		3	3	3	7	7
1405	811	721	1343	0485	PSME	16.8	279	6		1	1	1	7	7
1405	812	363	1343	0494	TSHE	18.8	279	6		1	2	2	7	7
1405	813	704	1347	0450	CACH	17.1	281	1		3	3	3	7	7
1405	814	788	1347	0473	TSHE	17.9	281	1		1 1	2	2	7	7
1405	815	343	1350	0420	PSME	103.3	281	1		1	1	1	7	7
1405	816	378	1353	0408	PSME	84.4	281	1		1	1	1	7	7
1405	817	391	1353	0414	CACH	17.3	281	1		1	3	3	7	7
1405	818	782	1360	0435	TSHE	42.7	281	1		1	2	2	7	7
1405	819	359	1361	0470	TSHE	23.1	281	1		1	2	2	7	7
1405	820	781	1363	0489	CONU	15.8	280	1	078	1	8	5	7	7
1405	821	791	1368	0436	TSHE	67.5	281	1		1	2	2	7	7
1405	822	358	1373	0472	TSHE	15.9	281	1		1	2	2	7	7
1405	823	773	1384	0470	CACH	17.0	281	1		1	3	3	7	7
1206	988	607	1190	0501	TABR	35.7	275	6		1	7	4	8	8
1206	989	202	1198	0507	PSME	38.6	275	6		1	1	1	8	8
1206	990	692	1198	0504	TSHE	16.0	275	6		1	2	2	8	8
1206	991	691	1199	0501	TSHE	19.9	275	6		1	2	2	8	8
1306	993	496	1204	0539	TSHE	37.9	275	6		1	2	2	8	8
1306	994	730	1205	0504	TSHE	54.2	275	6		1	2	2	8	8
1306	993	729	1252	0508	TABR	25.2	276	4		1	7	4	8	8
1306	993	719	1259	0513	PSME	16.8	274	3		25	1	1	8	8
1306	1000	747	1259	0526	PSME	22.4	274	3		25	1	1	8	8
1306	1003	460	1278	0534	PSME	153.5	274	3		1	1	1	8	8
1306	1004	727	1282	0503	PSME	17.2	277	4		1	1	1	8	8
1306	1005	1217	1296	0516	TSHE	18.3	277	4		1	2	2	8	8

1406	1007	654	1309	0510	PSME	18.0	279	6	25	1	1	8	8	
1406	1008	652	1313	0539	PSME	17.8	279	6	25	1	1	8	8	
1406	1011	653	1322	0528	PSME	39.4	279	6	1	1	1	8	8	
1406	1013	662	1323	0542	PSME	18.5	273	6	1	1	1	8	8	
1406	1015	657	1327	0506	PSME	21.6	279	6	1	1	1	8	8	
1406	1017	656	1329	0521	TSHE	16.2	279	6	1	2	2	8	8	
1406	1019	659	1331	0521	TSHE	25.1	279	6	1	2	2	8	8	
1406	1022	655	1339	0521	PSME	22.6	279	6	1	1	1	8	8	
1406	1027	664	1357	0533	CONU	17.3	280	1	1	8	5	8	8	
1406	1028	665	1358	0542	PSME	16.8	272	3	1	1	1	8	8	
1002	42	33	0961	0168	TSHE	38.2	313	5	1	2	2	8	5	
1002	43	35	0962	0174	TSHE	34.5	313	5	1	2	2	8	5	
1002	51	37	0995	0180	PSME	132.9	314	3	218	1	1	1	8	5
1102	52	145	1003	0155	TSHE	20.7	313	5	1	2	2	8	5	
1102	55	79	1036	0161	TSHE	21.8	308	5	233	1	2	2	8	5
1102	57	2	1041	0148	PSME	73.4	308	5	3	1	1	8	5	
1102	59	12	1046	0182	TSHE	16.2	308	5	1	2	2	8	5	
1102	63	894	1092	0152	PSME	115.3	308	5	25	1	1	8	5	
1102	64	23	1092	0191	PSME	133.5	308	5	1	1	1	8	5	
1202	66	410	1111	0142	TSHE	18.0	288	1	1	2	2	8	5	
1202	69	400	1122	0163	PSME	100.4	308	5	1	1	1	8	5	
1202	71	403	1128	0148	PSME	110.0	288	1	1	1	1	8	5	
1202	75	418	1154	0172	TSHE	21.0	308	5	1	2	2	8	8	
1202	81	741	1174	0194	PSME	116.8	307	6	149	1	1	1	8	8
0903	208	967	0888	0261	TSHE	30.9	320	4	198	1	2	2	8	5
0903	209	968	0892	0281	TSHE	23.8	320	4	1	2	2	8	5	
1003	211	969	0902	0293	PSME	108.0	320	4	35	1	1	1	8	5
1003	212	49	0901	0259	TSHE	18.7	320	4	1	2	2	8	5	
1003	213	50	0903	0257	TSHE	31.8	320	4	1	2	2	8	5	
1003	214	51	0906	0249	TSHE	24.5	320	4	1	2	2	8	5	
1003	215	42	0908	0246	TSHE	17.6	320	4	1	2	2	8	5	
1003	216	53	0910	0277	TSHE	23.0	320	4	25	2	2	8	5	
1003	217	61	0913	0279	TSHE	19.1	320	4	25	2	2	8	5	
1003	218	41	0913	0244	TSHE	23.2	320	4	1	2	2	8	5	
1003	219	62	0915	0283	TSHE	17.7	320	4	25	2	2	8	5	
1003	220	43	0917	0238	TSHE	23.0	320	4	1	2	2	8	5	
1003	221	55	0920	0290	TSHE	30.5	320	4	25	2	2	8	5	
1003	222	44	0927	0237	TSHE	16.7	320	4	1	2	2	8	5	
1003	223	48	0928	0232	PSME	89.1	320	4	1	1	1	8	5	
1003	224	45	0934	0265	TSHE	44.7	320	4	1	2	2	8	5	
1003	225	47	0934	0251	PSME	107.8	320	4	1	1	1	8	5	
1003	226	28	0941	0208	TSHE	38.0	314	3	1	2	2	8	5	
1003	227	330	0946	0295	TSHE	16.4	320	4	25	2	2	8	5	
1003	228	52	0946	0286	TSHE	25.0	320	4	1	2	2	8	5	
1003	229	46	0947	0260	PSME	123.9	314	3	1	1	1	8	5	
1003	230	34	0949	0222	TSHE	26.2	314	3	1	2	2	8	5	
1003	231	332	0950	0295	TSHE	15.6	319	3	120	15	2	2	8	5
1003	232	54	0950	0281	TSHE	34.8	320	4	1	2	2	8	5	
1003	233	31	0955	0251	PSME	126.4	314	3	11	1	1	8	5	
1003	234	57	0969	0279	TSHE	24.5	319	3	1	2	2	8	5	
1003	235	60	0975	0275	TSHE	34.5	319	3	1	2	2	8	5	
1003	236	59	0976	0282	TSHE	18.3	319	3	1	2	2	8	5	
1003	237	30	0989	0212	TSHE	52.5	314	3	1	2	2	8	5	
1003	238	39	0993	0206	TSHE	51.3	314	3	1	2	2	8	5	

1003	239	56	0998	0260	TSHE	44.3	314	3	1	2	2	8	5	
1103	241	135	1016	0212	TSHE	27.6	314	3	1	2	2	8	5	
1103	241	67	1020	0295	TSHE	38.3	315	3	271	1	2	2	8	5
1103	242	68	1025	0253	THPL	43.2	315	3	1	4	4	8	5	
1103	243	21	1026	0297	TSHE	26.0	315	3	21	2	2	8	5	
1103	244	100	1030	0202	TSHE	29.5	314	3	1	2	2	8	5	
1103	245	131	1033	0215	TSHE	33.7	314	3	1	2	2	8	5	
1103	246	138	1036	0268	TSHE	36.4	315	3	1	2	2	8	5	
1103	247	148	1036	0225	TSHE	15.2	314	3	1	2	2	8	5	
1103	248	22	1037	0264	TSHE	21.5	315	3	1	2	2	8	5	
1103	249	136	1038	0296	TSHE	27.2	315	3	1	2	2	8	5	
1103	250	123	1039	0218	THPL	63.7	314	3	1	4	4	8	5	
1103	251	133	1041	0296	THPL	31.5	315	3	1	4	4	8	5	
1103	252	1	1046	0296	TSHE	38.4	315	3	1	2	2	8	5	
1103	253	83	1047	0259	TSHE	37.7	315	3	1	2	2	8	5	
1103	254	141	1057	0250	PSME	146.8	315	3	1	1	1	8	5	
1103	255	105	1066	0218	TSHE	17.8	315	3	1	2	2	8	5	
1103	256	107	1071	0275	TSHE	27.5	315	3	1	2	2	8	5	
1103	257	132	1071	0217	TSHE	39.0	315	3	1	2	2	8	5	
1103	258	69	1076	0275	TSHE	25.0	315	3	1	2	2	8	5	
1103	259	134	1080	0279	TSHE	22.4	315	3	1	2	2	8	5	
1103	260	70	1086	0268	TSHE	25.8	315	3	1	2	2	8	5	
1103	261	77	1091	0286	PSME	101.6	315	3	1	1	1	8	5	
1103	262	127	1091	0202	TSHE	13.2	308	5	1	2	2	8	5	
1103	263	106	1095	0226	TSHE	26.3	307	6	1	2	2	8	5	
1103	264	109	1093	0254	TSHE	34.8	307	6	1	2	2	8	5	
1203	265	736	1105	0204	TSHE	20.0	308	5	1	2	2	8	5	
1203	266	711	1109	0284	PSME	112.5	315	3	21	1	1	8	5	
1203	267	733	1111	0291	PSME	128.3	315	3	21	1	1	8	5	
1203	268	737	1125	0245	TSHE	23.5	307	6	1	2	2	8	5	
1203	269	735	1135	0264	TSHE	33.9	307	6	1	2	2	8	8	
1203	271	715	1159	0259	TSHE	18.3	307	6	1	2	2	8	8	
1203	271	712	1173	0203	TSHE	20.6	307	6	1	2	2	8	8	
1203	273	725	1191	0211	TSHE	18.4	287	1	175	1	2	2	8	8
1203	274	713	1197	0283	TSHE	39.1	287	1	1	2	2	8	8	
1303	275	447	1202	0283	TSHE	28.7	287	1	25	2	2	8	8	
1303	276	473	1207	0283	TSHE	44.2	287	1	25	2	2	8	8	
1303	277	471	1212	0246	TSHE	25.4	287	1	25	2	2	8	8	
1303	278	472	1219	0283	TSHE	32.6	287	1	25	2	2	8	8	
1303	279	476	1222	0297	TABR	23.8	287	1	1	7	4	8	8	
1303	281	474	1237	0296	TSHE	17.8	287	1	1	2	2	8	8	
1303	283	479	1244	0292	TSHE	36.5	287	1	220	2	2	8	8	
0904	463	951	0880	0331	TSHE	31.8	320	4	1	2	2	8	5	
0904	463	950	0887	0338	TSHE	27.3	320	4	1	2	2	8	5	
0904	471	948	0888	0362	THPL	15.2	325	6	1	4	4	8	5	
0904	471	949	0894	0340	THPL	20.7	320	4	1	4	4	8	5	
1004	472	344	0903	0304	TSHE	30.1	320	4	25	2	2	8	5	
1004	473	322	0904	0354	THPL	15.0	320	4	1	4	4	8	5	
1004	474	333	0906	0305	TSHE	23.0	320	4	25	2	2	8	5	
1004	475	324	0906	0390	THPL	53.0	318	2	176	1	4	4	8	8
1004	476	336	0908	0328	TSHE	24.2	320	4	25	2	2	8	5	
1004	477	351	0915	0305	TSHE	22.2	320	4	25	2	2	8	5	
1004	478	343	0924	0319	TSHE	28.0	320	4	25	2	2	8	5	
1004	479	345	0934	0322	TSHE	25.9	319	3	25	2	2	8	5	

1004	480	348	0934	0335	TSHE	36.0	319	3	25	2	2	8	5	
1004	481	346	0947	0307	THPL	72.1	319	3	1	4	4	8	5	
1004	482	331	0947	0370	PSME	114.0	319	3	25	1	1	8	8	
1004	483	347	0954	0368	THPL	42.0	319	3	25	4	4	8	8	
1004	484	323A	0961	0339	TSHE	20.0	319	3	1	2	2	8	8	
1004	485	332	0962	0392	TSHE	45.4	318	2	25	2	2	8	8	
1004	486	354	0964	0344	TSHE	28.0	319	3	1	2	2	8	5	
1004	487	319	0970	0303	TSHE	16.0	319	3	1	2	2	8	5	
1004	488	355	0975	0345	PSME	117.1	319	3	1	1	1	8	5	
1004	489	334	0975	0358	THPL	71.0	319	3	25	4	4	8	8	
1004	490	323B	0979	0379	TSHE	29.2	319	3	25	2	2	8	8	
1004	491	320	0983	0366	TSHE	26.7	319	3	25	2	2	8	8	
1004	492	350	0996	0337	TSHE	44.0	315	3	25	2	2	8	5	
1004	493	352	0999	0339	TSHE	16.6	315	3	1	2	2	8	5	
1104	494	160	1002	0323	TSHE	33.0	315	3	1	2	2	8	5	
1104	495	178	1002	0337	TSHE	18.5	315	3	2	2	2	8	5	
1104	496	165	1003	0360	ACMA	22.8	315	3	1	5	5	8	8	
1104	497	166	1004	0350	TSHE	29.0	315	3	2	2	2	8	8	
1104	498	164	1008	0312	TSHE	32.9	315	3	25	2	2	8	5	
1104	499	159	1009	0323	TSHE	28.8	315	3	1	2	2	8	5	
1104	500	19	1013	0309	PSME	128.7	315	3	1	1	1	8	8	
1104	501	78	1014	0340	TSHE	42.2	316	6	045	1	2	2	8	5
1104	502	144	1016	0373	TSHE	18.2	317	6	061	1	2	2	8	8
1104	503	152	1023	0352	TSHE	48.1	316	6	1	2	2	8	8	
1104	504	97	1025	0347	TSHE	20.5	316	6	1	2	2	8	5	
1104	505	149	1064	0315	PSME	125.5	315	3	1	1	1	8	5	
1104	506	162	1067	0382	ACMA	24.3	304	6	123	1	5	5	8	8
1104	507	143	1070	0394	PSME	147.8	304	6	25	1	1	8	8	
1104	508	137	1074	0300	TSHE	15.6	304	6	1	2	2	8	8	
1104	509	130	1074	0367	TSHE	43.9	304	6	1	2	2	8	8	
1104	510	25	1084	0390	TSHE	38.0	304	6	1	2	2	8	8	
1104	511	125	1089	0326	PSME	143.4	315	3	2	1	1	8	5	
1104	512	108	1094	0394	TSHE	26.8	304	6	1	2	2	8	8	
1204	513	606	1103	0376	TABR	15.9	304	6	1	7	4	8	8	
1204	514	673	1103	0356	TSHE	15.5	304	6	1	2	2	8	8	
1204	515	224	1103	0370	TSHE	29.3	304	6	1	2	2	8	8	
1204	516	682	1106	0330	TSHE	45.5	306	2	061	1	2	2	8	8
1204	517	714	1128	0382	ACMA	18.5	306	2	1	5	5	8	8	
1204	518	716	1130	0390	PSME	122.2	306	2	2	1	1	8	8	
1204	519	214	1132	0305	PSME	167.5	306	2	1	1	1	8	8	
1204	520	744	1136	0324	PSME	108.8	306	2	2	2	1	1	8	8
1204	521	693	1157	0390	TSHE	21.6	305	5	033	1	2	2	8	8
1204	522	667	1160	0306	TSHE	35.5	289	6	051	1	2	2	8	8
1204	523	627	1160	0308	TSHE	13.6	289	6	1	2	2	8	8	
1204	524	726	1176	0394	TSHE	16.1	290	5	115	1	2	2	8	8
1204	525	226	1178	0316	TSHE	15.0	289	6	1	2	2	8	8	
1204	526	687	1182	0318	TSHE	19.0	289	6	25	2	2	8	8	
1204	527	675	1186	0310	TSHE	15.2	289	6	25	2	2	8	8	
1204	528	671	1191	0308	TSHE	25.0	289	6	1	2	2	8	8	
1204	529	622	1192	0312	TSHE	38.5	289	6	25	2	2	8	8	
1204	530	619	1192	0342	PSME	110.4	283	6	153	2	1	1	8	8
1204	531	7	1192	0362	PSME	133.0	290	5	25	1	1	8	8	
1204	532	217	1196	0362	TSHE	25.3	290	5	1	2	2	8	8	
1304	533	731	1203	0376	CACH	21.9	290	5	1	3	3	8	8	

1304	534	743	1249	0389	TSHE	89.9	278	5	097	1	2	2	8	8	
1304	535	748	1263	0392	TSHE	16.3	283	6		1	2	2	8	8	
1304	536	749	1264	0386	PSME	126.9	283	6		1	1	1	8	8	
1304	539	709	1292	0378	PSME	61.5	283	6		1	1	1	8	8	
1005	722	327	0948	0438	PSME	103.0	302	5	211	1	1	1	8	8	
1005	723	337	0951	0445	TSHE	29.7	302	5		25	2	2	8	8	
1005	724	325	0956	0476	PSME	22.5	302	5		1	1	1	8	8	
1005	726	341	0960	0450	PSME	108.7	302	5		1	1	1	8	8	
1005	728	317	0967	0464	TSHE	20.2	302	5		25	2	2	8	8	
1005	729	328	0972	0403	ACMA	17.0	317	6		2	2	5	5	8	8
1005	731	339	0973	0434	CACH	18.7	302	5		1	3	3	8	8	
1005	731	368	0974	0497	PSME	145.2	295	2	120	1	1	1	8	8	
1005	732	340	0978	0433	PSME	109.0	302	5		1	1	1	8	8	
1005	733	343	0984	0485	TSHE	31.5	302	5		1	2	2	8	8	
1005	734	326	0985	0462	TSHE	20.0	302	5		25	2	2	8	8	
1005	735	342	0988	0443	THPL	14.5	302	5		3	4	4	8	8	
1005	736	318	0988	0476	ACMA	18.8	302	5		3	5	5	8	8	
1005	737	321	0991	0491	TSHE	34.1	295	2		1	2	2	8	8	
1005	738	329	0998	0485	TSHE	21.7	302	5		1	2	2	8	8	
1105	739	155	1004	0442	TSHE	30.5	302	5		1	2	2	8	8	
1105	740	104	1011	0453	PSME	117.5	302	5		2	2	1	1	8	8
1105	741	195	1016	0452	ACMA	19.5	302	5		1	5	5	8	8	
1105	742	189	1029	0417	PSME	153.8	302	5		1	1	1	8	8	
1105	743	188	1042	0421	ACMA	19.2	302	5		1	5	5	8	8	
1105	744	173	1047	0438	PSME	60.0	302	5		24	1	1	8	8	
1105	745	179	1054	0428	TSHE	95.5	302	5		1	2	2	8	8	
1105	746	129	1059	0447	PSME	122.7	302	5		2	2	1	1	8	8
1105	747	167	1063	0493	ACMA	20.1	302	5		1	5	5	8	8	
1105	748	153	1064	0406	TSHE	15.4	303	3	111	1	2	2	8	8	
1105	749	177	1065	0497	ACMA	21.5	302	5		1	5	5	8	8	
1105	750	183	1067	0478	TSHE	60.7	302	5		1	2	2	8	8	
1105	751	191	1075	0411	TABR	15.0	303	3		1	7	4	8	8	
1105	752	174	1078	0408	TSHE	20.8	304	6		1	2	2	8	8	
1105	753	181	1084	0405	TSHE	35.8	302	5		1	2	2	8	8	
1105	754	163	1085	0447	TABR	16.5	303	3		1	7	4	8	8	
1105	755	182	1090	0430	TSHE	20.1	303	3		1	2	2	8	8	
1105	756	176	1091	0434	TSHE	19.5	303	3		1	2	2	8	8	
1205	757	696	1104	0469	TSHE	17.0	303	3		1	2	2	8	8	
1205	758	689	1117	0445	TSHE	16.4	304	6		1	2	2	8	8	
1205	759	92	1117	0491	TSHE	16.3	302	5		1	2	2	8	8	
1205	760	647	1124	0452	TABR	16.8	303	3		1	7	4	8	8	
1205	761	699	1132	0479	TSHE	19.2	303	3		1	2	2	8	8	
1205	762	648	1142	0438	PSME	109.3	304	6		1	1	1	8	8	
1205	763	269	1148	0461	TSHE	54.4	303	3		1	2	2	8	8	
1205	764	680	1150	0492	PSME	19.3	291	3	032	3	1	1	8	8	
1205	765	664	1157	0492	PSME	145.5	291	3		21	1	1	8	8	
1205	766	694	1158	0444	TSHE	49.5	290	5		1	2	2	8	8	
1205	767	688	1170	0448	TSHE	44.0	290	5		1	2	2	8	8	
1205	768	669	1171	0466	TSHE	47.9	290	5		1	2	2	8	8	
1205	769	678	1174	0406	PSME	136.3	290	5		21	1	1	8	8	
1205	770	690	1174	0443	TSHE	17.0	290	5		1	2	2	8	8	
1205	771	627	1176	0460	TSHE	30.5	290	5		1	2	2	8	8	
1205	772	248	1179	0429	TABR	35.5	290	5		1	7	4	8	8	
1205	773	656	1182	0473	TSHE	16.0	290	5		1	2	2	8	8	

1205	774	661	1184	0423	TABR	25.3	290	5	1	7	4	8	8		
1205	775	657	1185	0405	TSHE	20.5	290	5	1	2	2	8	8		
1205	775	668	1188	0414	TSHE	25.5	290	5	1	2	2	8	8		
1205	777	695	1189	0436	PSME	39.5	290	5	1	1	1	8	8		
1305	778	732	1203	0485	PSME	16.4	276	4	024	1	1	1	8	8	
1305	779	740	1204	0491	PSME	24.2	276	4	1	1	1	8	8		
1305	780	746	1206	0444	PSME	132.0	277	4	079	1	1	1	8	8	
1305	781	708	1210	0403	TSHE	15.2	278	5	1	2	2	8	8		
1305	782	710	1217	0404	TSHE	27.4	278	5	1	2	2	8	8		
1305	783	709	1225	0469	TABR	22.2	277	4	1	7	4	8	8		
1305	784	733	1228	0408	TSHE	13.1	278	5	1	2	2	8	8		
1305	785	722	1232	0455	TSHE	24.4	277	4	1	2	2	8	8		
1305	786	742	1239	0409	TSHE	15.9	278	5	3	2	2	8	8		
1305	787	734	1247	0488	TABR	22.4	277	4	1	7	4	8	8		
1305	788	721	1260	0445	TSHE	95.3	278	5	1	2	2	8	8		
1305	789	705	1270	0466	PILA	123.9	278	5	1	6	6	8	8		
1305	790	707	1272	0433	TSHE	18.0	282	6	090	25	2	2	8	8	
1305	791	743	1276	0436	TSHE	17.8	282	6	1	2	2	8	8		
1305	792	787	1280	0406	TSHE	17.8	282	6	25	2	2	8	8		
1305	793	706	1283	0431	TSHE	30.1	282	6	25	2	2	8	8		
1305	794	713	1287	0415	TSHE	19.2	282	6	25	2	2	8	8		
1305	795	702	1288	0435	TSHE	22.2	282	6	1	2	2	8	8		
1305	796	703	1289	0485	PILA	96.3	278	5	25	6	6	8	8		
1305	797	449	1291	0462	PSME	130.1	282	6	1	1	1	8	8		
1305	798	723	1296	0411	TSHE	19.9	282	6	25	2	2	8	8		
1305	799	739	1296	0464	TSHE	23.8	282	6	3	2	2	8	8		
1305	800	704	1297	0484	CONU	19.0	278		1	8	5	8	8		
1405	801	369	1302	0440	PSME	20.2	282	6	25	1	1	8	8		
1405	802	368	1304	0457	TSHE	18.8	282	6	1	2	2	8	8		
1405	803	702	1305	0425	CACH	23.2	282	6	1	3	3	8	8		
1405	804	717	1311	0465	PSME	19.2	282	6	2	1	1	8	8		
1405	805	718	1318	0496	CACH	19.0	279	6	066	251	3	3	8	8	
0906	941	920	0890	0515	ALRU	19.2	297	7	21	10	5	8	8		
1006	953	393	0986	0514	TSHE	15.3	295	2	1	2	2	8	8		
1106	954	154	1003	0522	TSHE	15.3	295	2	1	2	2	8	8		
1106	960	193	1052	0504	ACMA	24.7	295	2	1	5	5	8	8		
1106	963	194	1060	0524	TSHE	29.4	295	2	1	2	2	8	8		
1106	964	80	1069	0532	TSHE	23.9	294	5	077	1	2	2	8	8	
1106	970	151	1092	0530	TSHE	32.0	294	5	1	2	2	8	8		
1106	972	94	1098	0548	CACH	15.6	294	5	25	3	3	8	8		
1206	975	684	1105	0504	ACMA	17.0	294	5	1	5	5	8	8		
1206	977	662	1105	0508	ACMA	17.2	294	5	1	5	5	8	8		
1206	978	685	1105	0511	ACMA	31.4	294	5	1	5	5	8	8		
1206	979	665	1105	0523	TSHE	24.5	294	5	1	2	2	8	8		
1206	980	659	1107	0529	TSHE	21.8	294	5	1	2	2	8	8		
1206	981	231	1112	0505	PSME	144.2	294	5	1	1	1	8	8		
1206	982	698	1155	0544	TSHE	34.7	275	6	123	1	2	2	8	8	
1206	983	670	1156	0532	ACMA	25.7	275	6	1	5	5	8	8		
1206	984	663	1162	0535	ACMA	24.9	275	6	1	5	5	8	8		
1206	985	683	1183	0547	TSHE	17.2	275	6	1	2	2	8	8		
1206	987	658	1188	0521	TSHE	27.4	275	6	1	2	2	8	8		
0907	1137	903	0813	0609	PSME	171.7	242	5	2	2	1	1	9	10	
0907	1138	902	0823	0657	TSHE	17.2	230	5	128	2	5	2	2	9	10
0907	1139	906	0824	0614	PSME	90.0	242	5	1	1	1	9	10		

0907	1140	905	0827	0609	PSME	44.3	242	5	1	1	1	9	9	
0907	1141	901	0832	0696	TSHE	25.3	230	5	1	2	2	9	10	
0907	1142	904	0833	0610	PSME	45.3	242	5	2	5	1	1	9	9
0907	1143	749	0847	0688	PILA	47.9	230	5	1	6	6	9	10	
0907	1144	750	0856	0689	TABR	27.1	230	5	1	7	4	9	10	
0907	1145	747	0869	0643	PSME	167.2	241	5	180	1	1	1	9	10
0907	1145	748	0874	0659	CACH	16.9	241	5	1	3	3	9	10	
0907	1147	746	0894	0694	ACCI	17.4	230	5	3	11	5	9	10	
1007	1143	372	0924	0639	PSME	95.3	241	5	2	2	1	1	9	10
1007	1149	388	0933	0639	PSME	77.2	241	5	1	1	1	9	10	
1007	1150	390	0935	0623	PSME	137.4	241	5	21	1	1	9	9	
1007	1151	276	0938	0619	PSME	116.9	241	5	21	1	1	9	9	
1007	1152	370	0943	0632	CONU	14.5	241	5	1	8	5	9	9	
1007	1153	378	0953	0697	CACH	21.0	232	5	072	25	3	3	9	10
1007	1154	399	0969	0678	TSHE	32.0	224	5	224	25	2	2	9	10
1007	1155	285	0972	0667	TSHE	15.3	224	5	25	2	2	9	10	
1007	1156	389	0975	0677	TSHE	28.1	224	5	1	2	2	9	10	
1007	1157	278	0977	0648	PSME	93.9	224	5	21	1	1	9	10	
1007	1158	273	0980	0657	TSHE	31.5	224	5	25	2	2	9	10	
1007	1159	290	0983	0672	PSME	122.0	224	5	21	1	1	9	10	
1007	1160	283	0984	0656	TSHE	24.0	224	5	25	2	2	9	10	
1007	1161	371	0991	0683	CACH	20.9	224	5	25	3	3	9	10	
1107	1181	156	1096	0686	TSHE	26.5	216	5	166	1	2	2	9	10
0908	1425	732	0805	0709	PSME	18.6	229	5	143	1	1	1	9	10
0908	1429	733	0832	0735	TSHE	42.3	229	5	1	2	2	9	10	
0908	1430	736	0847	0770	TSHE	17.8	230	5	25	2	2	9	10	
0908	1431	740	0850	0714	PSME	16.2	229	5	1	1	1	9	10	
0908	1432	739	0850	0739	PSME	20.4	229	5	1	1	1	9	10	
0908	1433	738	0851	0744	TSHE	22.1	230	5	1	2	2	9	10	
0908	1434	737	0856	0772	TABR	19.4	227	2	039	1	7	4	9	10
0908	1435	741	0862	0760	TSHE	95.9	227	2	2	5	2	2	9	10
0908	1436	744	0873	0744	PSME	16.6	230	5	1	1	1	9	10	
0908	1438	731	0880	0719	PSME	121.7	230	5	212	1	1	9	10	
0908	1439	743	0887	0775	TSHE	27.9	227	2	1	2	2	9	10	
0908	1440	745	0892	0745	TSHE	27.9	230	5	1	2	2	9	10	
1008	1441	382	0903	0734	TSHE	35.0	232	5	25	2	2	9	10	
1008	1442	396	0910	0738	PSME	123.2	232	5	1	1	1	9	10	
1008	1443	310	0913	0716	PSME	143.0	232	5	1	1	1	9	10	
1008	1444	309	0948	0708	PSME	118.0	232	5	21	1	1	9	10	
1008	1445	300	0950	0729	TSHE	40.3	232	5	25	2	2	9	10	
1008	1446	307	0951	0703	CACH	23.8	232	5	25	3	3	9	10	
1008	1447	292	0962	0730	TSHE	56.8	232	5	1	2	2	9	10	
1008	1448	373	0977	0764	TSHE	40.3	225	5	051	25	2	2	9	10
1008	1449	362	0980	0780	TSHE	36.3	207	6	207	25	2	2	9	10
1008	1450	8	0990	0749	TSHE	31.6	224	5	1	2	2	9	10	
1008	1451	369	0991	0761	PSME	17.0	225	5	25	1	1	9	10	
1108	1452	161	1003	0791	TSHE	45.2	207	6	1	2	2	9	10	
1108	1453	13	1005	0796	TSHE	29.8	207	6	1	2	2	9	10	
1108	1454	73	1005	0769	ACMA	24.1	225	5	1	5	5	9	10	
1108	1455	97	1005	0710	TSHE	15.7	224	5	1	2	2	9	10	
1108	1456	120	1010	0771	TSHE	27.4	225	5	1	2	2	9	10	
1108	1457	75	1015	0723	PSME	129.0	224	5	23	1	1	9	10	
1108	1458	95	1018	0724	TSHE	16.2	224	5	1	2	2	9	10	
1108	1459	85	1030	0750	PSME	164.7	224	5	23	1	1	9	10	

1108	1460	10	1031	0722	CACH	23.2	224	5	2	3	3	9	10	
1108	1461	91	1035	0746	TSHE	19.5	224	5	1	2	2	9	10	
1108	1462	81	1036	0735	PILA	23.2	224	5	1	6	6	9	10	
1108	1463	68	1036	0750	TSHE	17.4	224	5	1	2	2	9	10	
1108	1464	63	1039	0792	TSHE	15.2	225	5	1	2	2	9	10	
1108	1465	192	1055	0707	PSME	140.3	239	6	1	1	1	9	10	
1108	1466	90	1062	0714	TSHE	26.3	239	6	1	2	2	9	10	
1108	1467	116	1065	0775	TSHE	24.3	224	5	1	2	2	9	10	
1108	1468	196	1064	0702	CACH	29.9	239	6	2	2	3	3	9	10
1108	1469	64	1074	0719	TSHE	17.9	216	5	1	2	2	9	10	
1108	1470	119	1078	0763	TSHE	15.9	224	5	1	2	2	9	10	
1108	1471	65	1080	0766	TSHE	28.8	224	5	1	2	2	9	10	
1108	1472	86	1084	0767	TSHE	22.8	224	5	1	2	2	9	10	
1108	1474	175	1098	0750	PSME	15.0	215	6	045	25	1	1	9	10
1208	1476	653	1114	0705	TSHE	57.8	216	5	1	2	2	9	10	
1208	1477	198	1114	0728	ACMA	18.0	215	6	1	5	5	9	10	
1208	1478	252	1113	0738	TSHE	18.0	215	6	1	2	2	9	10	
1208	1479	610	1114	0750	TSHE	16.2	215	6	1	2	2	9	10	
1208	1480	608	1122	0754	TSHE	24.5	215	6	1	2	2	9	10	
1208	1483	605	1127	0755	ACMA	17.3	215	6	1	5	5	9	10	
1208	1484	611	1133	0766	PSME	15.6	215	6	1	1	1	9	10	
1208	1485	229	1134	0722	TSHE	55.2	216	5	1	2	2	9	10	
1208	1485	145	1142	0731	TSHE	32.4	216	5	1	2	2	9	10	
1208	1487	109	1147	0730	TSHE	23.5	216	5	1	2	2	9	10	
1208	1488	650	1148	0706	TSHE	50.2	216	5	1	2	2	9	10	
1208	1489	209	1154	0705	TSHE	22.9	216	5	1	2	2	9	10	
1208	1490	632	1155	0730	TSHE	55.2	216	5	1	2	2	9	10	
1208	1491	103	1158	0714	TABR	27.0	216	5	1	7	4	9	10	
1208	1492	654	1138	0725	TSHE	33.0	216	5	1	2	2	9	10	
1208	1493	265	1167	0725	TSHE	16.8	216	5	1	2	2	9	10	
1208	1495	247	1173	0736	TSHE	23.8	216	5	1	2	2	9	10	
1009	1690	386	0943	0805	TSHE	22.6	226	6	070	3	2	2	9	10
1009	1691	360	0945	0803	TSHE	63.6	226	6	25	2	2	9	10	
1009	1692	387	0946	0828	TSHE	26.0	206	6	090	1	2	2	9	10
1009	1693	365	0950	0803	PSME	45.5	226	6	25	1	1	9	10	
1009	1694	315	0953	0833	TSHE	20.0	206	6	22	2	2	9	10	
1009	1695	384	0986	0804	PSME	168.8	207	6	1	2	1	1	9	10
1109	1699	261	1004	0808	TSHE	15.2	207	6	1	2	2	9	10	
1109	1702	122	1006	0802	TSHE	28.0	207	6	3	2	2	9	10	
1109	1705	14	1014	0805	TSHE	31.7	207	6	1	2	2	9	10	
1109	1708	17	1026	0816	TSHE	44.3	207	6	1	2	2	9	10	
1109	1709	184	1024	0809	TSHE	17.0	207	6	1	2	2	9	10	
1109	1710	74	1028	0806	CACH	17.4	207	6	1	3	3	9	10	
1109	1711	6	1033	0803	ACMA	15.5	225	5	1	5	5	9	10	
0906	944	916	0898	0561	PSME	30.1	296	2	059	1	1	1	9	9
1006	947	286	0936	0574	PILA	27.6	237	2	099	22	6	6	9	9
1006	949	277	0948	0594	ACMA	25.2	237	2	1	5	5	9	9	
1311	2073	302	1243	1043	TSHE	41.8	045	4	1	2	2	10	10	
1311	2080	227	1256	1035	TSHE	19.3	179	6	1	2	2	10	10	
1311	2081	491	1262	1009	TSHE	23.2	179	6	1	2	2	10	10	
1311	2082	485	1263	1021	ACMA	15.5	179	6	1	5	5	10	10	
1311	2083	454	1263	1039	PSME	15.9	179	6	1	1	1	10	10	
1311	2084	296	1268	1040	TSHE	17.0	179	6	1	2	2	10	10	
1311	2085	293	1269	1031	PSME	24.9	179	6	1	1	1	10	10	

1311	2086	101	1279	1029	TSHE	13.8	179	6	1	2	2	10	10		
1311	2087	256	1284	1070	PSME	146.0	045	4	1	1	1	10	10		
1311	2088	294	1284	1050	ACMA	22.3	179	6	1	5	5	10	10		
1311	2089	222	1292	1038	TSHE	13.7	037	2	233	1	2	2	10	10	
1311	2090	315	1293	1006	TSHE	23.0	037	2	1	2	2	10	10		
1311	2091	1234	1298	1023	PSME	16.0	037	2	1	1	1	10	10		
1411	2092	1229	1301	1013	PSME	20.1	037	2	1	1	1	10	10		
1411	2093	1179	1302	1008	TSHE	15.1	037	2	25	2	2	10	10		
1411	2094	1179	1305	1006	PSME	17.5	037	2	25	1	1	10	10		
1411	2095	1227	1308	1019	PSME	34.0	037	2	25	1	1	10	10		
1411	2096	1184	1311	1010	PSME	22.3	037	2	1	1	1	10	10		
1411	2097	1200	1312	1070	PSME	15.2	037	2	1	1	1	10	10		
1411	2098	1199	1315	1082	PSME	13.2	037	2	1	1	1	10	10		
1411	2099	1228	1315	1013	PSME	18.8	037	2	1	1	1	10	10		
1411	2100	1176	1317	1004	ACMA	21.6	037	2	1	5	5	10	10		
1411	2101	1186	1318	1021	PSME	28.4	037	2	1	1	1	10	10		
1411	2102	1192	1322	1063	PSME	29.7	037	2	1	1	1	10	10		
1411	2103	1195	1322	1097	PSME	26.7	037	2	1	1	1	10	10		
1411	2104	1226	1323	1014	TSHE	20.6	037	2	1	2	2	10	10		
1411	2105	1191	1324	1041	PSME	33.5	037	2	25	1	1	10	10		
1411	2106	1190	1332	1042	PSME	27.7	037	2	1	1	1	10	10		
1411	2107	1193	1333	1092	PSME	35.6	037	2	25	1	1	10	10		
1411	2108	1232	1336	1039	PSME	17.8	037	2	2	1	1	10	10		
1411	2109	1185	1340	1011	PSME	21.3	247	6	25	1	1	10	10		
1411	2110	1187	1342	1056	ACMA	15.2	037	2	1	5	5	10	10		
1411	2111	1189	1345	1069	TSHE	21.3	037	2	1	2	2	10	10		
1411	2112	1188	1349	1085	PSME	22.6	037	2	1	1	1	10	10		
1411	2113	1231	1350	1003	PSME	18.8	247	6	1	1	1	10	10		
1411	2114	1259	1369	1035	ACMA	.	037	2	22	5	5	10	10		
1411	2115	1181	1370	1073	ACMA	21.3	037	2	1	5	5	10	10		
1411	2116	1196	1371	1079	ACMA	13.8	037	2	1	5	5	10	10		
1411	2117	1182	1372	1060	ACMA	16.5	037	2	1	5	5	10	10		
1411	2118	1177	1375	1078	TSHE	13.5	037	2	1	2	2	10	10		
1411	2119	1233	1379	1027	PSME	126.5	034	2	1	1	1	10	10		
1411	2120	1242	1383	1091	CACH	23.1	037	2	25	3	3	10	10		
1411	2121	1241	1392	1080	PSME	174.8	037	2	1	1	1	10	10		
1411	2122	1240	1392	1045	PSME	24.6	037	2	25	1	1	10	10		
1511	2123	1214	1426	1020	PSME	131.0	037	2	2	2	1	1	10	10	
1511	2124	1274	1428	1046	PSME	110.8	037	2	2	2	1	1	10	10	
1511	2125	1272	1436	1084	TSHE	40.5	037	2	1	2	2	10	10		
1511	2126	1273	1438	1073	PSME	137.5	037	2	21	1	1	10	10		
1511	2127	1267	1445	1019	CACH	20.0	037	2	1	3	3	10	10		
1511	2128	1279	1450	1011	CACH	18.2	037	2	2	2	3	3	10	10	
1511	2129	1211	1462	1092	CACH	24.3	037	2	2	2	3	3	10	10	
1511	2130	1275	1463	1028	CONU	16.2	037	2	2	2	8	5	10	10	
1511	2131	1294	1472	1036	PSME	97.5	037	2	31	1	1	10	10		
1511	2132	1287	1478	1084	PSME	92.2	037	2	31	1	1	10	10		
1511	2133	1295	1497	1084	PSME	146.3	035	6	104	2	2	1	1	10	10
1611	2134	1291	1504	1076	TSHE	46.6	035	6	1	2	2	10	10		
1611	2135	1284	1517	1076	TSHE	20.2	035	6	2	1	2	2	10	10	
1611	2136	753	1518	1014	PSME	103.8	248	6	1	1	1	10	10		
1611	2137	1297	1522	1076	TSHE	56.9	035	6	1	2	2	10	10		
1611	2138	744	1532	1011	TSHE	35.1	248	6	1	2	2	10	10		
1611	2139	743	1543	1003	TSHE	30.2	248	6	25	2	2	10	10		

1611	2140	742	1549	1017	TSHE	32.3	248	6	1	2	2	10	10
1611	2141	1280	1550	1072	PSME	117.3	035	6	1	1	1	10	10
1611	2142	741	1554	1021	TSHE	19.8	248	6	3	2	2	10	10
1611	2143	1206	1555	1057	TABR	20.3	248	6	1	7	4	10	10
1611	2144	752	1560	1016	THPL	23.0	248	6	1	4	4	10	10
1611	2145	731	1584	1044	PSME	134.8	248	6	1	1	1	10	10
1611	2146	729	1562	1096	TSHE	25.0	035	6	1	2	2	10	10
1611	2147	732	1569	1045	TSHE	37.0	254	1	1	2	2	10	10
1611	2148	730	1571	1005	CACH	21.3	248	6	1	3	3	10	10
1611	2149	733	1572	1002	THPL	24.9	254	1	1	4	4	10	10
1611	2151	728	1576	1074	TSHE	18.5	249	6	041 1	2	2	10	10
1611	2151	734	1578	1028	TSHE	36.9	248	6	1	2	2	10	10
1611	2152	735	1583	1032	TSHE	18.8	248	6	1	2	2	10	10
1611	2153	736	1590	1052	PSME	95.6	249	6	2 2	1	1	10	10
1611	2154	727	1596	1074	PSME	84.6	249	6	1	1	1	10	10
1412	2292	191	1320	1109	PSME	15.2	043	6	2	1	1	10	10
1412	2294	192	1325	1116	PSME	17.6	043	6	2	1	1	10	10
1412	2295	193	1333	1103	PSME	15.7	037	2	3	1	1	10	10
1412	2297	194	1360	1133	ACMA	27.3	038	4	21	5	5	10	10
1412	2298	195	1361	1129	ACMA	32.5	038	4	1	5	5	10	10
1412	2300	196	1397	1119	CONU	15.6	037	2	1	8	5	10	10
1512	2301	1264	1414	1176	PSME	107.9	033	4	110 1	1	1	10	10
1512	2302	1270	1416	1122	PSME	146.5	037	2	25	1	1	10	10
1512	2304	1266	1425	1165	TSHE	30.8	033	4	1	2	2	10	10
1512	2305	1265	1427	1188	TSHE	18.3	032	6	050 1	2	2	10	10
1512	2306	1267	1428	1148	TSHE	23.7	033	4	2 1	2	2	10	10
1512	2307	1269	1433	1130	ACMA	26.0	033	4	2 1	5	5	10	10
1512	2308	1271	1436	1123	PSME	132.0	033	4	2 2	1	1	10	10
1512	2309	1268	1449	1150	ACMA	19.8	033	4	2 2	5	5	10	10
1512	2310	1225	1459	1163	PSME	18.1	032	6	25	1	1	10	10
1512	2311	1293	1463	1145	TSHE	19.5	033	4	25	2	2	10	10
1512	2312	1212	1471	1154	PSME	20.3	033	4	25	1	1	10	10
1512	2313	1230	1476	1139	TSHE	19.2	033	4	1	2	2	10	10
1512	2314	1286	1476	1123	ACMA	17.5	033	4	1	5	5	10	10
1512	2315	1277	1481	1147	PSME	32.8	033	4	1	1	1	10	10
1512	2316	1299	1483	1182	PSME	34.4	032	6	1	1	1	10	10
1512	2317	1282	1490	1151	THPL	19.7	033	4	1	4	4	10	10
1512	2318	1296	1492	1101	CONU	14.8	034	2	1	8	5	10	10
1612	2319	1218	1509	1190	THPL	48.4	022	3	043 1	4	4	10	10
1612	2320	1221	1513	1105	TSHE	17.5	035	6	1	2	2	10	10
1612	2321	1283	1517	1149	TSHE	47.6	021	3	061 1	2	2	10	10
1612	2322	1285	1519	1140	TSHE	20.3	021	3	3	2	2	10	10
1612	2323	1215	1520	1121	TSHE	28.0	035	6	1	2	2	10	10
1612	2324	1292	1520	1136	CACH	27.2	021	3	1	3	3	10	10
1612	2325	1281	1520	1194	PSME	31.2	022	3	1	1	1	10	10
1612	2326	1283	1521	1197	THPL	19.7	022	3	1	4	4	10	10
1612	2327	1207	1532	1166	TSHE	21.0	021	3	1	2	2	10	10
1612	2328	1289	1532	1108	PSME	121.2	035	6	21	1	1	10	10
1612	2329	1278	1533	1154	TSHE	28.9	021	3	1	2	2	10	10
1612	2330	1213	1553	1181	TSHE	26.4	021	3	1	2	2	10	10
1612	2331	723	1553	1166	PSME	30.9	021	3	1	1	1	10	10
1612	2332	1298	1554	1192	PSME	22.9	021	3	25	1	1	10	10
1612	2333	724	1554	1146	PSME	21.0	021	3	252	1	1	10	10
1612	2334	1290	1555	1106	PSME	105.8	035	6	1	1	1	10	10

1612	2335	725	1556	1134	PSME	18.1	021	3		1	1	1	10	10
1612	2336	1219	1558	1108	TSHE	32.0	035	6		1	2	2	10	10
1612	2337	722	1561	1172	THPL	24.3	021	3		21	4	4	10	10
1612	2338	1204	1572	1116	PSME	95.8	035	6		1	1	1	10	10
1612	2339	726	1580	1136	PSME	20.9	020	6	043	25	1	1	10	10
1612	2340	712	1588	1106	TSHE	32.4	036	1		1	2	2	10	10
1612	2341	716	1589	1184	PSME	155.9	009	5	132	1	1	1	10	10
1612	2342	713	1595	1150	TSHE	41.0	009	5		1	2	2	10	10
1612	2343	714	1596	1170	PSME	24.1	009	5		1	1	1	10	10
1612	2344	715	1597	1194	CACH	21.3	009	5		2 2	3	3	10	10
1712	2345	835	1604	1167	PSME	21.9	009	5		1	1	1	10	10
1712	2346	813	1616	1186	TSHE	18.7	009	5		1	2	2	10	10
1712	2347	834	1626	1159	PSME	17.7	009	5		25	1	1	10	10
1712	2348	814	1627	1181	TSHE	29.7	009	5		1	2	2	10	10
1712	2349	815	1627	1196	PSME	26.0	009	5		1	1	1	10	10
1712	2350	838	1628	1189	TSHE	35.9	009	5		1	2	2	10	10
1712	2351	382	1630	1130	TSHE	35.7	009	5		1	2	2	10	10
1712	2352	836	1633	1176	TSHE	27.3	009	5		1	2	2	10	10
1712	2354	837	1638	1185	PSME	22.5	009	5		1	1	1	10	10
1712	2355	833	1640	1167	TSHE	47.5	009	5		1	2	2	10	10
1712	2356	384	1643	1146	TSHE	15.3	009	5		1	2	2	10	10
1712	2357	374	1661	1160	PSME	91.1	009	5		2 4	1	1	10	10
1712	2358	832	1665	1190	TSHE	17.4	009	5		1	2	2	10	10
1712	2359	383	1667	1130	TSHE	58.7	008	6	049	1	2	2	10	10
1712	2360	371	1669	1180	PSME	21.7	009	5		1	1	1	10	10
1712	2362	396	1673	1162	TSHE	25.2	007	1		1	2	2	10	10
1712	2363	400	1678	1188	PSME	18.1	009	5		25	1	1	10	10
1712	2364	376	1679	1167	PSME	20.5	009	5		1	1	1	10	10
1712	2365	373	1688	1142	PSME	17.0	008	6		25	1	1	10	11
1712	2366	387	1690	1136	PSME	33.3	008	6		1	1	1	10	11
1712	2368	381	1696	1145	PSME	18.4	004	6		25	1	1	10	11
1812	2370	392	1702	1120	PSME	30.7	007	1		1	1	1	10	11
1812	2371	822	1704	1139	TSHE	29.6	004	6		1	2	2	10	11
1812	2372	823	1706	1162	PSME	20.9	004	6		1	1	1	10	11
1812	2373	385	1706	1113	TSHE	29.7	007	1		1	2	2	10	11
1812	2374	363	1713	1117	PSME	141.1	007	1		1	1	1	10	11
1812	2375	825	1719	1167	PSME	119.3	004	6		1	1	1	10	11
1812	2376	825	1718	1131	PSME	36.5	007	1		1	1	1	10	11
1812	2377	831	1720	1196	TSHE	49.8	004	6		1	2	2	10	11
1812	2378	821	1723	1127	TSHE	25.3	007	1		1	2	2	10	11
1812	2379	820	1726	1129	PSME	16.6	007	1		1	1	1	10	11
1812	2380	824	1734	1157	PSME	22.2	006	6	029	1	1	1	10	11
1812	2381	828	1741	1158	PSME	29.7	006	6		1	1	1	10	11
1812	2382	827	1743	1165	PSME	21.7	006	6		1	1	1	10	11
1812	2383	830	1761	1166	PSME	36.2	006	6		1	1	1	10	11
1812	2384	829	1762	1175	PSME	29.8	006	6		1	1	1	10	11
1513	2531	137	1497	1216	THPL	23.8	417	1		1	4	4	10	10
1613	2535	92	1508	1213	THPL	26.8	417	1		1	4	4	10	10
1613	2537	93	1512	1239	PSME	35.4	022	3		1	1	1	10	10
1613	2539	94	1536	1238	PSME	25.1	022	3		2	1	1	10	10
1613	2540	95	1538	1210	TSHE	16.7	019	4	048	2	2	2	10	10
1613	2541	96	1548	1237	PSME	25.3	417	4		1	1	1	10	10
1613	2543	97	1593	1227	TSHE	26.1	010	5	093	1	2	2	10	10
1713	2544	52	1604	1256	CONU	15.5	010	5		2 2	8	5	10	10

1713	2545	48	1605	1227	TSHE	22.2	010	5		1	2	2	10	10	
1713	2545	47	1605	1222	PSME	34.6	010	5		3	1	1	10	10	
1713	2547	49	1608	1230	PSME	33.0	010	5		1	1	1	10	10	
1713	2549	51	1617	1251	TSHE	46.0	010	5		1	2	2	10	10	
1713	2550	44	1623	1204	PSME	29.8	009	5		3	1	1	10	10	
1713	2551	50	1630	1245	TSHE	32.8	010	5		1	2	2	10	10	
1713	2552	45	1632	1217	PSME	21.1	010	5		2	1	1	10	10	
1713	2553	46	1645	1232	PSME	25.7	010	5		2	1	1	10	10	
1713	2554	53	1650	1255	PSME	19.3	010	5		2	1	1	10	10	
1713	2555	54	1661	1254	PSME	26.9	010	5		1	1	1	10	10	
1713	2556	55	1666	1247	PSME	17.9	010	5		2	1	1	10	10	
1713	2557	56	1673	1233	PSME	15.2	010	5		1	1	1	10	10	
1713	2558	57	1695	1244	TSHE	35.5	005	6	030	1	2	2	10	11	
1813	2559	28	1711	1256	TSHE	31.8	005	6		1	2	2	10	11	
1813	2560	29	1718	1254	THPL	28.2	005	6		1	4	4	10	11	
1813	2561	30	1733	1242	PSME	21.8	005	6		1	1	1	10	11	
1813	2562	31	1744	1231	PSME	20.0	002	6	208	1	1	1	10	11	
1813	2563	43	1754	1216	TSHE	31.9	002	6		1	2	2	10	11	
1813	2564	41	1773	1227	TSHE	38.8	002	6		1	2	2	10	11	
1813	2565	32	1775	1271	CACH	18.4	004	6		2	2	3	3	10	11
1813	2566	37	1777	1251	PSME	21.1	002	6		2	1	1	10	11	
1813	2567	38	1782	1242	PSME	32.0	002	6		1	1	1	10	11	
1813	2568	36	1784	1250	PSME	17.4	002	6		21	1	1	10	11	
1813	2569	34	1785	1258	TABR	25.5	002	6		1	7	4	10	11	
1813	2570	40	1787	1230	TSHE	32.6	002	6		1	2	2	10	11	
1813	2571	35	1790	1254	TSHE	18.7	002	6		2	2	2	2	10	11
1813	2572	39	1796	1239	PSME	96.7	002	6		21	1	1	10	11	
1813	2573	33	1797	1263	TSHE	38.8	002	6		2	2	2	2	10	11
1813	2574	42	1798	1208	PSME	27.6	002	6		3	1	1	10	11	
1913	2575	15	1803	1227	PSME	25.5	002	6		1	1	1	10	11	
1913	2576	13	1805	1287	PSME	19.2	002	6		3	1	1	10	11	
1913	2577	14	1806	1249	TSHE	40.0	002	6		1	2	2	10	11	
1913	2578	16	1807	1220	PSME	24.2	002	6		1	1	1	10	11	
1913	2579	12	1808	1270	PSME	57.6	002	6		1	1	1	10	11	
1913	2580	8	1830	1291	TSHE	35.3	001	6	126	1	2	2	10	11	
1913	2581	10	1831	1282	TSHE	47.8	001	6		1	2	2	10	11	
1913	2582	11	1832	1250	PSME	23.1	001	6		1	1	1	10	11	
1913	2583	7	1834	1284	TSHE	22.0	001	6		1	2	2	10	11	
1913	2584	9	1836	1295	TSHE	25.9	001	6		1	2	2	10	11	
1913	2585	6	1857	1284	TSHE	32.3	001	6		2	2	2	2	10	11
1814	2762	22	1767	1317	PSME	72.4	002	6		1	1	1	10	11	
1814	2763	21	1770	1303	PSME	88.8	002	6		1	1	1	10	11	
1814	2764	20	1773	1312	PILA	42.7	002	6		1	6	6	10	11	
1914	2763	5	1810	1315	TSHE	24.9	002	6		1	2	2	10	11	
1206	985	220	1182	0551	TSHE	17.5	275	6		1	2	2	10	9	
1306	992	459	1202	0572	PSME	17.3	275	6		1	1	1	10	10	
1306	995	484	1229	0583	CACH	22.8	273	6	186	1	3	3	10	10	
1306	996	790	1233	0555	TSHE	21.4	275	6		1	2	2	10	10	
1306	997	701	1241	0567	PSME	19.7	274	3	131	1	1	1	10	10	
1306	1001	466	1259	0596	CACH	15.5	273	6		3	3	3	10	10	
1306	1002	689	1261	0563	CACH	21.8	274	3		1	3	3	10	10	
1406	1005	646	1303	0582	CACH	17.8	274	3		1	3	3	10	10	
1406	1009	651	1315	0543	PSME	20.8	273	6		1	1	1	10	10	
1406	1010	648	1317	0582	PSME	19.8	273	6		1	1	1	10	10	

1406	1012	649	1322	0554	PSME	23.9	273	6	1	1	1	10	10		
1406	1014	650	1325	0593	PSME	18.5	273	6	1	1	1	10	10		
1406	1015	641	1325	0598	PSME	30.7	273	6	1	1	1	10	10		
1406	1018	644	1330	0582	PSME	38.9	273	6	1	1	1	10	10		
1406	1020	660	1333	0557	PSME	29.2	273	6	1	1	1	10	10		
1406	1021	647	1337	0573	PSME	37.6	273	6	1	1	1	10	10		
1406	1023	640	1343	0597	PSME	21.6	273	6	1	1	1	10	10		
1406	1024	663	1346	0550	PSME	19.8	273	6	1	1	1	10	10		
1406	1026	645	1349	0583	PSME	37.3	273	6	1	1	1	10	10		
1406	1029	642	1362	0585	PSME	15.2	272	3	1	1	1	10	10		
1406	1031	639	1362	0597	TSHE	30.7	272	3	1	2	2	10	10		
1406	1032	666	1364	0559	CACH	18.3	272	3	2	2	3	3	10	10	
1406	1034	643	1378	0557	CACH	16.8	272	3	1	3	3	10	10		
1406	1035	636	1380	0580	CACH	20.1	272	3	1	3	3	10	10		
1406	1039	635	1393	0589	TSHE	29.2	272	3	1	2	2	10	10		
1406	1041	634	1395	0597	PSME	17.0	272	3	1	1	1	10	10		
1007	1162	284	0992	0610	CACH	25.2	238	6	1	3	3	10	9		
1107	1163	16	1004	0654	PSME	119.6	240	6	069	2	2	1	1	10	10
1107	1164	172	1006	0643	PSME	127.5	240	6	2	2	1	1	10	9	
1107	1165	102	1019	0606	TSHE	18.2	238	6	1	2	2	10	9		
1107	1166	110	1027	0654	CONU	15.5	240	6	1	8	5	10	10		
1107	1167	118	1030	0672	PSME	121.8	239	6	059	21	1	1	10	10	
1107	1168	170	1035	0695	PSME	94.4	239	6	21	1	1	10	10		
1107	1169	113	1039	0637	ACMA	21.4	240	6	1	5	5	10	9		
1107	1170	72	1043	0646	PSME	16.0	240	6	1	1	1	10	9		
1107	1171	20	1045	0627	PSME	16.0	240	6	1	1	1	10	9		
1107	1172	114	1050	0659	CONU	17.8	240	6	1	8	5	10	10		
1107	1173	87	1051	0697	ACMA	17.4	239	6	1	5	5	10	10		
1107	1174	121	1054	0646	PSME	17.4	240	6	1	1	1	10	9		
1107	1175	111	1065	0663	CACH	17.6	240	6	23	3	3	10	10		
1107	1176	88	1068	0579	TSHE	24.3	239	6	1	2	2	10	10		
1107	1177	9	1077	0646	CACH	24.0	223	6	040	1	3	3	10	9	
1107	1178	169	1079	0636	LIDE	56.1	223	6	3	9	4	10	9		
1107	1179	171	1094	0659	TSHE	24.3	223	6	1	2	2	10	9		
1107	1180	32	1095	0653	PSME	130.0	223	6	1	1	1	10	9		
1207	1182	681	1109	0602	PSME	162.4	222	6	21	1	1	10	9		
1207	1183	672	1117	0612	TSHE	23.3	222	6	1	2	2	10	9		
1207	1184	677	1120	0634	PSME	16.9	222	6	1	1	1	10	9		
1207	1185	646	1121	0617	TSHE	24.4	222	6	1	2	2	10	9		
1207	1186	660	1135	0611	PSME	15.5	222	6	1	1	1	10	9		
1207	1187	666	1142	0645	CACH	22.9	221	6	025	1	3	3	10	9	
1207	1188	98	1157	0646	PSME	143.4	221	6	1	1	1	10	9		
1207	1189	235	1159	0605	PSME	25.4	219	6	042	1	1	1	10	9	
1207	1190	674	1185	0603	PSME	24.3	219	6	1	1	1	10	10		
1207	1191	697	1187	0631	PSME	19.0	219	6	1	1	1	10	10		
1207	1192	655	1189	0613	PSME	17.3	219	6	1	1	1	10	10		
1207	1193	679	1198	0616	PSME	15.0	219	6	1	1	1	10	10		
1207	1194	635	1198	0627	PSME	21.5	219	6	1	1	1	10	10		
1307	1195	776	1204	0676	PSME	152.9	218	9	184	1	1	1	10	10	
1307	1196	795	1207	0687	PSME	21.2	218	9	25	1	1	10	10		
1307	1197	783	1211	0661	CACH	21.8	218	9	25	3	3	10	10		
1307	1198	786	1212	0607	PSME	15.2	219	6	1	1	1	10	10		
1307	1199	784	1217	0673	CACH	16.5	218	6	1	3	3	10	10		
1307	1200	792	1239	0668	CACH	15.9	218	6	25	3	3	10	10		

1307	1201	791	1242	0607	PSME	143.3	273	6	1	1	1	10	10
1307	1202	781	1245	0624	CACH	16.8	273	6	25	3	3	10	10
1307	1203	775	1246	0613	TSHE	23.9	273	6	25	2	2	10	10
1307	1204	785	1248	0664	CACH	16.0	218	6	3	3	3	10	10
1307	1205	490	1250	0657	TSHE	15.2	218	6	1	2	2	10	10
1307	1206	780	1250	0671	CACH	19.2	218	6	25	3	3	10	10
1307	1207	799	1252	0677	CACH	23.9	218	6	25	3	3	10	10
1307	1208	794	1256	0604	CACH	15.9	273	6	1	3	3	10	10
1307	1209	793	1266	0619	TSHE	20.3	273	6	25	2	2	10	10
1307	1210	797	1267	0633	PSME	16.5	273	6	25	1	1	10	10
1307	1211	779	1268	0693	PSME	122.9	218	6	1	1	1	10	10
1307	1212	777	1277	0616	TSHE	15.0	273	6	25	2	2	10	10
1307	1213	788	1279	0651	TSHE	16.2	218	6	1	2	2	10	10
1307	1214	782	1279	0675	ACMA	18.3	218	6	1	5	5	10	10
1307	1215	796	1283	0627	CACH	21.4	273	6	2 2	3	3	10	10
1307	1216	798	1289	0612	PSME	14.6	273	6	3	1	1	10	10
1307	1217	778	1294	0645	CONU	16.4	273	6	1	8	5	10	10
1407	1218	556	1302	0673	PSME	40.9	267	5	092 1	1	1	10	10
1407	1219	552	1305	0668	TSHE	18.3	K67	5	1	2	2	10	10
1407	1220	551	1308	0646	PSME	29.5	273	6	1	1	1	10	10
1407	1221	553	1309	0656	PSME	26.2	273	6	1	1	1	10	10
1407	1222	549	1310	0636	PSME	26.2	273	6	1	1	1	10	10
1407	1223	601	1314	0685	TSHE	15.5	267	5	1	2	2	10	10
1407	1224	602	1315	0676	PSME	30.2	267	5	1	1	1	10	10
1407	1225	547	1316	0608	PSME	29.7	273	6	1	1	1	10	10
1407	1226	550	1318	0642	PSME	18.5	273	6	1	1	1	10	10
1407	1227	586	1320	0662	PSME	19.3	267	5	1	1	1	10	10
1407	1228	592	1321	0688	PSME	38.4	267	5	1	1	1	10	10
1407	1229	548	1320	0618	PSME	27.7	273	6	1	1	1	10	10
1407	1230	590	1323	0682	TSHE	20.1	267	5	1	2	2	10	10
1407	1231	540	1322	0606	PSME	21.6	273	6	1	1	1	10	10
1407	1232	596	1324	0630	TSHE	33.0	273	6	1	2	2	10	10
1407	1233	595	1324	0654	PSME	20.3	273	6	1	1	1	10	10
1407	1234	587	1324	0666	PSME	21.1	267	5	1	1	1	10	10
1407	1235	585	1328	0662	TSHE	17.3	267	5	1	2	2	10	10
1407	1236	597	1330	0634	PSME	31.8	273	6	1	1	1	10	10
1407	1237	593	1330	0642	PSME	15.2	273	6	25	1	1	10	10
1407	1238	589	1330	0676	TSHE	17.1	267	5	1	2	2	10	10
1407	1239	545	1332	0605	PSME	17.5	273	6	1	1	1	10	10
1407	1240	599	1336	0644	PSME	21.8	273	6	1	1	1	10	10
1407	1241	588	1337	0669	PSME	15.2	267	5	1	1	1	10	10
1407	1242	546	1340	0603	PSME	38.1	273	6	1	1	1	10	10
1407	1243	582	1342	0620	PSME	19.8	273	6	1	1	1	10	10
1407	1244	594	1342	0678	TSHE	22.6	267	5	1	2	2	10	10
1407	1245	591	1342	0691	PSME	22.5	267	5	1	1	1	10	10
1407	1246	593	1343	0683	CACH	17.1	267	5	2 2	3	3	10	10
1407	1247	600	1350	0654	PSME	17.8	273	6	1	1	1	10	10
1407	1248	541	1355	0608	PSME	16.5	273	6	1	1	1	10	10
1407	1249	584	1360	0648	PSME	33.3	268	1	064 1	1	1	10	10
1407	1250	603	1360	0675	PSME	27.9	268	1	1	1	1	10	10
1407	1251	630	1360	0695	TSHE	26.2	268	1	1	2	2	10	10
1407	1252	543	1362	0620	PSME	28.2	268	1	1	1	1	10	10
1407	1253	604	1362	0676	TSHE	10.0	268	1	1	2	2	10	10
1407	1254	583	1367	0639	PSME	37.3	268	1	1	1	1	10	10

1407	1255	631	1368	0687	PSME	16.0	268	1	1	1	1	10	10	
1407	1256	608	1370	0699	CACH	26.9	268	1	1	3	3	10	10	
1407	1257	605	1372	0679	PSME	22.6	268	1	1	1	1	10	10	
1407	1258	619	1372	0646	CACH	30.5	268	1	1	3	3	10	10	
1407	1259	542	1376	0604	TSHE	23.9	272	3	080	1	2	2	10	10
1407	1260	626	1375	0644	CACH	17.0	268	1	1	3	3	10	10	
1407	1261	607	1378	0689	PSME	25.6	268	1	1	1	1	10	10	
1407	1262	627	1378	0653	PSME	22.1	268	1	1	1	1	10	10	
1407	1263	544	1380	0604	PSME	36.3	272	3	1	1	1	10	10	
1407	1264	622	1380	0614	PSME	16.2	272	3	1	1	1	10	10	
1407	1265	606	1380	0670	PSME	27.7	268	1	1	1	1	10	10	
1407	1266	609	1380	0700	TSHE	32.0	268	1	1	2	2	10	10	
1407	1267	623	1382	0624	PSME	21.3	272	3	1	1	1	10	10	
1407	1268	613	1383	0679	TSHE	20.3	268	1	1	2	2	10	10	
1407	1269	618	1384	0655	PSME	21.3	268	1	1	1	1	10	10	
1407	1270	628	1385	0644	PSME	15.7	268	1	252	1	1	10	10	
1407	1271	616	1386	0649	PSME	20.8	268	1	2	2	1	1	10	10
1407	1272	629	1386	0659	PSME	18.0	268	1	1	1	1	10	10	
1407	1273	625	1391	0604	PSME	20.8	272	3	1	1	1	10	10	
1407	1274	621	1391	0624	PSME	22.1	272	3	25	1	1	10	10	
1407	1275	615	1392	0652	PSME	22.6	268	1	1	1	1	10	10	
1407	1276	614	1392	0664	PSME	16.2	268	1	1	1	1	10	10	
1407	1277	624	1393	0611	PSME	22.4	272	3	1	1	1	10	10	
1407	1278	620	1393	0616	PSME	31.2	272	3	1	1	1	10	10	
1407	1279	617	1394	0657	TSHE	18.3	268	1	1	2	2	10	10	
1407	1280	632	1398	0624	PSME	24.1	272	3	1	1	1	10	10	
1407	1281	633	1398	0634	PSME	18.5	272	3	25	1	1	10	10	
1407	1282	612	1398	0664	PSME	13.5	268	1	1	1	1	10	10	
1407	1283	611	1398	0692	PSME	86.4	269	1	066	1	1	1	10	10
1407	1284	610	1398	0697	CACH	20.6	269	1	2	2	3	3	10	10
1108	1473	5	1095	0795	PSME	107.0	214	6	098	1	1	1	10	10
1208	1475	264	1110	0781	CACH	24.9	214	6	1	3	3	10	10	
1208	1481	3	1126	0797	PSME	17.0	214	6	25	1	1	10	10	
1208	1482	614	1127	0782	PSME	19.7	214	6	25	1	1	10	10	
1208	1494	604	1167	0762	PILA	70.0	212	6	048	1	6	6	10	10
1208	1495	602	1170	0795	PSME	131.9	212	6	21	1	1	10	10	
1208	1497	232	1174	0754	THPL	24.3	212	6	1	4	4	10	10	
1208	1498	613	1180	0754	TSHE	19.3	212	6	1	2	2	10	10	
1208	1499	612	1182	0706	TSHE	30.9	216	5	1	2	2	10	10	
1208	1501	634	1185	0774	PSME	16.6	212	6	25	1	1	10	10	
1208	1501	617	1193	0712	CONU	15.2	217	6	133	1	8	5	10	10
1208	1502	223	1194	0781	ACMA	27.0	213	6	1	5	5	10	10	
1208	1503	603	1198	0714	PSME	16.9	217	6	3	1	1	10	10	
1308	1504	463	1204	0783	PSME	18.2	213	6	3	1	1	10	10	
1308	1505	467	1206	0760	PSME	19.2	217	6	25	1	1	10	10	
1308	1506	455	1207	0754	PSME	19.9	217	6	25	1	1	10	10	
1308	1507	461	1206	0725	PSME	19.5	217	6	1	1	1	10	10	
1308	1508	487	1211	0738	PSME	23.0	217	6	25	1	1	10	10	
1308	1509	464	1220	0744	CACH	22.2	217	6	25	3	3	10	10	
1308	1510	375	1218	0709	TSHE	24.0	217	6	1	2	2	10	10	
1308	1511	468	1229	0723	CACH	18.9	217	6	25	3	3	10	10	
1308	1512	457	1228	0767	PSME	18.6	213	6	1	1	1	10	10	
1308	1513	500	1246	0783	PILA	32.5	213	6	1	6	6	10	10	
1308	1514	376	1235	0711	CACH	21.3	217	6	25	3	3	10	10	

1308	1515	499	1240	0723	PILA	55.7	217	6	1	6	6	10	10	
1308	1516	456	1264	0757	PSME	160.9	217	6	1	1	1	10	10	
1308	1517	465	1273	0705	TSHE	51.6	218	6	1	2	2	10	10	
1408	1518	569	1301	0718	CACH	27.9	267	5	1	3	3	10	10	
1408	1519	568	1303	0710	PSME	28.7	267	5	1	1	1	10	10	
1408	1520	567	1303	0701	TSHE	24.9	267	5	1	2	2	10	10	
1408	1521	580	1303	0788	THPL	39.6	258	6	207	1	4	4	10	10
1408	1522	581	1303	0795	TSHE	21.3	258	6	2	1	2	2	10	10
1408	1523	579	1309	0791	THPL	27.2	258	6	25	4	4	10	10	
1408	1524	578	1311	0793	PSME	23.6	258	6	25	1	1	10	10	
1408	1525	570	1311	0731	CACH	16.5	267	5	1	3	3	10	10	
1408	1526	571	1314	0743	CACH	26.7	267	5	2	2	3	3	10	10
1408	1527	559	1321	0737	PSME	21.6	267	5	1	1	1	10	10	
1408	1528	560	1321	0710	PSME	94.2	267	5	1	1	1	10	10	
1408	1529	577	1328	0796	TSHE	42.7	258	6	1	2	2	10	10	
1408	1530	576	1334	0798	TSHE	33.3	258	6	1	2	2	10	10	
1408	1531	557	1332	0746	PSME	24.6	267	5	1	1	1	10	10	
1408	1532	558	1331	0733	PSME	22.4	267	5	1	1	1	10	10	
1408	1533	572	1339	0763	TSHE	33.8	258	6	1	2	2	10	10	
1408	1534	575	1346	0784	PSME	132.1	258	6	1	1	1	10	10	
1408	1535	539	1342	0712	PSME	29.0	267	5	1	1	1	10	10	
1408	1536	561	1341	0706	PSME	17.0	267	5	1	1	1	10	10	
1408	1537	555	1348	0756	TABR	15.7	258	6	1	7	4	10	10	
1408	1538	573	1353	0768	TSHE	27.2	258	6	25	2	2	10	10	
1408	1539	574	1358	0776	TSHE	29.2	258	6	1	2	2	10	10	
1408	1540	554	1355	0749	TSHE	32.0	266	1	126	1	2	2	10	10
1408	1541	564	1353	0709	PSME	15.7	266	1	1	1	1	10	10	
1408	1542	563	1353	0733	PSME	15.2	266	1	1	1	1	10	10	
1408	1543	562	1367	0746	PSME	19.6	266	1	1	1	1	10	10	
1408	1544	565	1369	0722	TSHE	22.4	266	1	1	2	2	10	10	
1408	1545	566	1376	0733	TSHE	15.2	266	1	25	2	2	10	10	
1408	1546	537	1389	0731	TSHE	37.1	266	1	1	2	2	10	10	
1408	1547	538	1392	0716	CACH	28.7	266	1	252	3	3	10	10	
1408	1548	536	1397	0781	CACH	25.1	258	6	1	3	3	10	10	
1508	1549	387	1405	0770	CACH	21.0	258	6	1	3	3	10	10	
1508	1550	352	1406	0735	PSME	15.7	266	1	25	1	1	10	10	
1508	1551	348	1409	0790	PSME	115.1	258	6	1	1	1	10	10	
1508	1552	375	1409	0756	CACH	25.7	266	1	1	3	3	10	10	
1109	1696	218	1002	0863	PSME	17.5	207	6	1	1	1	10	10	
1109	1697	241	1004	0887	ACMA	22.7	207	6	1	5	5	10	10	
1109	1698	206	1004	0848	TSHE	33.2	207	6	1	2	2	10	10	
1109	1700	249	1006	0884	ACMA	16.2	207	6	1	5	5	10	10	
1109	1701	237	1006	0840	ACMA	19.5	207	6	1	5	5	10	10	
1109	1703	268	1009	0871	TABR	30.4	207	6	22	7	4	10	10	
1109	1704	250	1009	0891	ACMA	23.8	207	6	1	5	5	10	10	
1109	1705	213	1015	0886	PSME	19.0	207	6	1	1	1	10	10	
1109	1707	239	1017	0832	TSHE	16.2	207	6	1	2	2	10	10	
1109	1712	246	1038	0875	ACMA	31.8	207	6	1	5	5	10	10	
1109	1713	236	1042	0845	TSHE	18.0	207	6	1	2	2	10	10	
1109	1714	270	1050	0838	ACMA	16.0	207	6	1	5	5	10	10	
1109	1715	81	1056	0806	PSME	141.8	207	6	25	1	1	10	10	
1109	1716	66	1072	0803	PSME	114.0	207	6	23	1	1	10	10	
1109	1717	139	1083	0880	PSME	155.2	208	6	092	232	1	1	10	10
1109	1718	71	1086	0849	PSME	145.5	208	6	21	1	1	10	10	

1109	1719	242	1087	0844	ACMA	23.7	208	6	1	5	5	10	10		
1109	1720	203	1087	0807	TSHE	15.5	214	6	1	2	2	10	10		
1109	1721	93	1090	0805	TSHE	40.7	214	6	1	2	2	10	10		
1109	1722	11	1091	0834	CACH	20.0	208	6	1	3	3	10	10		
1209	1723	651	1103	0894	TSHE	33.0	208	6	1	2	2	10	10		
1209	1724	625	1118	0804	TSHE	20.0	214	6	1	2	2	10	10		
1209	1725	636	1121	0868	CACH	21.0	208	6	1	3	3	10	10		
1209	1726	200	1127	0832	TSHE	52.5	214	6	1	2	2	10	10		
1209	1727	211	1130	0810	TSHE	29.0	214	6	1	2	2	10	10		
1209	1728	641	1144	0871	TABR	16.8	209	2	039	22	7	4	10	10	
1209	1729	609	1156	0819	ACMA	17.1	214	6	1	5	5	10	10		
1209	1730	628	1171	0854	PSME	112.9	211	6	068	1	1	1	10	10	
1209	1731	199	1176	0836	CACH	25.0	211	6	1	3	3	10	10		
1209	1732	643	1178	0869	CACH	17.6	210	2	026	2	2	3	3	10	10
1209	1733	95	1185	0868	PSME	122.5	210	2	21	1	1	10	10		
1209	1734	243	1193	0863	PSME	112.4	210	2	21	1	1	10	10		
1209	1735	620	1195	0895	CACH	27.4	210	2	2	2	3	3	10	10	
1209	1736	638	1196	0807	TSHE	16.6	213	6	1	2	2	10	10		
1309	1737	367	1202	0889	CACH	27.5	210	2	1	3	3	10	10		
1309	1738	313	1206	0843	PSME	23.6	211	6	1	1	1	10	10		
1309	1739	311	1210	0893	PSME	103.1	210	2	1	1	1	10	10		
1309	1740	379	1219	0877	PSME	156.9	211	6	1	1	1	10	10		
1309	1741	462	1226	0820	PSME	132.6	257	6	114	1	1	1	10	10	
1309	1742	361	1238	0877	PSME	143.7	211	6	1	1	1	10	10		
1309	1743	348	1241	0893	TSHE	25.9	245	6	089	25	2	2	10	10	
1309	1744	301	1243	0859	CACH	19.8	257	6	1	3	3	10	10		
1309	1745	385	1246	0893	TSHE	20.2	245	6	25	2	2	10	10		
1309	1746	297	1248	0874	CACH	17.7	257	6	1	3	3	10	10		
1309	1747	366	1250	0864	CACH	17.5	257	6	1	3	3	10	10		
1309	1748	296	1260	0836	TSHE	39.1	257	6	1	2	2	10	10		
1309	1749	299	1290	0839	PSME	143.5	257	6	1	1	1	10	10		
1309	1750	356	1290	0878	THPL	23.9	257	6	1	4	4	10	10		
1309	1751	392	1293	0888	PSME	137.9	257	6	1	1	1	10	10		
1309	1752	363	1294	0851	PSME	101.1	257	6	1	1	1	10	10		
1309	1753	312	1238	0850	PSME	97.2	257	6	1	1	1	10	10		
1409	1754	1253	1306	0812	PSME	33.8	258	6	1	1	1	10	10		
1409	1755	1255	1310	0896	PSME	137.2	246	2	162	25	1	1	10	10	
1409	1756	1251	1323	0812	THPL	37.3	258	6	21	4	4	10	10		
1409	1757	1254	1325	0841	TSHE	31.8	256	6	093	1	2	2	10	10	
1409	1758	1252	1326	0818	THPL	22.1	258	6	25	4	4	10	10		
1409	1759	1257	1336	0805	THPL	17.8	258	6	2	2	4	4	10	10	
1409	1760	1209	1353	0888	ACMA	22.3	256	6	1	5	5	10	10		
1409	1761	1256	1359	0829	THPL	77.7	258	6	1	4	4	10	10		
1409	1762	1205	1366	0855	THPL	47.2	256	6	1	4	4	10	10		
1409	1763	1202	1368	0826	PSME	19.6	258	6	25	1	1	10	10		
1409	1764	1222	1370	0835	THPL	36.3	258	6	22	4	4	10	10		
1409	1765	1220	1382	0814	THPL	58.7	258	6	1	4	4	10	10		
1409	1766	1223	1383	0866	PSME	113.6	259	3	122	1	1	1	10	10	
1409	1767	1201	1384	0838	PSME	145.5	259	3	1	1	1	10	10		
1409	1768	1258	1384	0802	TSHE	33.3	258	6	1	2	2	10	10		
1409	1769	1359	1390	0810	THPL	33.5	258	6	22	4	4	10	10		
1409	1770	1260	1397	0813	THPL	31.2	258	6	1	4	4	10	10		
1409	1771	1261	1394	0820	THPL	31.8	259	3	1	4	4	10	10		
1409	1772	1216	1398	0857	THPL	42.4	259	3	1	4	4	10	10		

1409	1773	1262	1400	0824	PSME	92.2	259	3	25	1	1	10	10	
1509	1774	677	1402	0862	THPL	55.1	259	3	1	1	4	4	10	10
1509	1775	383	1424	0811	THPL	67.9	259	3	1		4	4	10	10
1509	1776	673	1428	0882	PSME	124.5	259	3	25	1	1	10	10	
1509	1777	672	1434	0844	TSHE	41.9	259	3	25	2	2	10	10	
1509	1778	676	1436	0848	THPL	36.0	259	3	1		4	4	10	10
1509	1779	678	1439	0882	PSME	94.0	259	3	25	1	1	10	10	
1509	1780	675	1440	0811	CACH	19.5	259	3	25	3	3	10	10	
1509	1781	382	1448	0821	PSME	94.9	259	3	1	1	1	10	10	
1509	1784	347	1484	0879	PSME	106.2	260	1	31	1	1	10	10	
1509	1785	400	149	0873	TSHE	38.8	260	1	1	2	2	10	10	
1110	1884	208	1044	0936	PSME	28.0	181	5	138	1	1	1	10	10
1110	1888	207	1082	0944	TSHE	30.9	181	5	1	2	2	10	10	
1110	1889	258	1091	0939	PSME	19.2	181	5	1	1	1	10	10	
1110	1890	240	1094	0960	TSHE	20.0	181	5	1	2	2	10	10	
1210	1891	637	1102	0904	TSHE	17.2	181	5	1	2	2	10	10	
1210	1892	640	1108	0958	ACMA	18.0	178	4	062	1	5	5	10	10
1210	1894	630	1114	0964	ACMA	23.8	178	4	22	5	5	10	10	
1210	1895	639	1116	0907	TSHE	28.5	181	5	1	2	2	10	10	
1210	1896	629	1117	0957	TSHE	21.7	178	4	21	2	2	10	10	
1210	1897	649	1124	0966	PSME	49.3	178	4	1	1	1	10	10	
1210	1898	338	1131	0916	PSME	19.6	181	5	1	1	1	10	10	
1210	1899	624	1133	0975	ACMA	27.7	178	4	1	5	5	10	10	
1210	1900	616	1139	0975	ACMA	21.7	178	4	1	5	5	10	10	
1210	1901	631	1142	0949	ACMA	26.4	181	5	1	5	5	10	10	
1210	1902	615	1143	0975	ACMA	23.2	178	4	1	5	5	10	10	
1210	1903	633	1143	0922	TSHE	28.0	181	5	1	2	2	10	10	
1210	1905	257	1154	0961	PSME	17.2	179	6	142	1	1	1	10	10
1210	1906	621	1159	0903	TSHE	17.8	180	3	1	2	2	10	10	
1210	1907	626	1160	0927	TSHE	38.8	180	3	1	2	2	10	10	
1210	1908	251	1162	0950	TSHE	44.3	180	3	1	2	2	10	10	
1210	1909	228	1185	0903	TSHE	27.2	180	3	1	2	2	10	10	
1210	1910	645	1195	0925	TSHE	16.4	180	3	1	2	2	10	10	
1210	1911	221	1195	0914	TSHE	22.7	180	3	1	2	2	10	10	
1310	1912	305	1205	0956	PSME	170.1	245	6	089	1	1	1	10	10
1310	1913	381	1217	0906	TSHE	16.2	245	6	25	2	2	10	10	
1310	1914	359	1225	0934	TSHE	18.8	245	6	3	2	2	10	10	
1310	1915	380	1229	0940	PSME	154.9	245	6	1	1	1	10	10	
1310	1916	308	1231	0950	ACMA	19.7	245	6	252	5	5	10	10	
1310	1917	357	1233	0923	TSHE	37.7	245	6	1	2	2	10	10	
1310	1918	234	1237	0958	ACMA	16.6	245	6	252	5	5	10	10	
1310	1919	458	1242	0938	ACMA	19.9	179	9	1	5	5	10	10	
1310	1920	391	1245	0991	ACMA	20.9	179	9	1	5	5	10	10	
1310	1921	388	1246	0986	ACMA	16.8	179	9	1	5	5	10	10	
1310	1922	377	1247	0989	ACMA	22.4	179	9	1	5	5	10	10	
1310	1923	267	1259	0971	TSHE	23.9	246	2	1	2	2	10	10	
1310	1924	205	1267	0942	TSHE	16.1	246	2	3	2	2	10	10	
1310	1925	210	1268	0980	TSHE	19.2	246	2	25	2	2	10	10	
1310	1926	201	1275	0935	TSHE	30.2	246	2	25	2	2	10	10	
1310	1927	204	1279	0955	ACMA	17.5	246	2	21	5	5	10	10	
1310	1928	263	1281	0988	TSHE	14.8	246	2	3	2	2	10	10	
1310	1929	255	1282	0929	TSHE	26.2	246	2	1	2	2	10	10	
1310	1930	262	1287	0949	TSHE	16.2	246	2	3	2	2	10	10	
1310	1931	244	1290	0962	TSHE	40.0	246	2	25	2	2	10	10	

1310	1932	266	1291	0946	TSHE	21.5	246	2		3	2	2	10	10	
1310	1933	225	1294	0961	THPL	76.4	246	2		1	4	4	10	10	
1310	1934	219	1296	0945	TSHE	45.0	246	2		25	2	2	10	10	
1410	1935	1243	1300	0935	THPL	46.2	246	2		25	4	4	10	10	
1410	1936	1250	1303	0924	TABR	16.8	246	2		21	7	4	10	10	
1410	1937	1244	1320	0946	TSHE	29.0	246	2		25	2	2	10	10	
1410	1938	1248	1322	0932	TSHE	16.5	246	2		1	2	2	10	10	
1410	1939	1249	1323	0994	CACH	18.0	247	6	163	21	3	3	10	10	
1410	1940	1245	1325	0932	THPL	37.1	246	2		25	4	4	10	10	
1410	1941	1210	1338	0906	PSME	122.4	256	6		1	1	1	10	10	
1410	1942	1247	1319	0992	ACMA	17.0	247	6		2	5	5	10	10	
1410	1943	1246	1340	0969	ACMA	16.0	247	6		2	2	5	10	10	
1410	1944	1202	1344	0926	TSHE	50.5	246	2		1	2	2	10	10	
1410	1945	1224	1345	0952	PSME	16.8	247	6		1	1	1	10	10	
1410	1946	1208	1358	0902	TSHE	32.2	256	6		1	2	2	10	10	
1410	1947	1197	1360	0959	TSHE	50.5	247	6		1	2	2	10	10	
1410	1948	1183	1362	0951	TSHE	22.1	247	6		1	2	2	10	10	
1410	1949	1198	1384	0994	ACMA	18.3	247	6		1	5	5	10	10	
1410	1950	1180	1400	0969	TSHE	39.4	034	2	242	1	2	2	10	10	
1410	1951	1151	1400	0974	THPL	55.4	034	2		1	4	4	10	10	
1510	1952	1194	1403	0971	TSHE	31.8	034	2		1	2	2	10	10	
1510	1953	671	1402	0910	TSHE	24.2	247	6		1	2	2	10	10	
1510	1954	366	1480	0980	PSME	136.5	248	6	206	1	1	1	10	10	
1510	1955	345	1493	0987	TSHE	46.6	248	6		1	2	2	10	10	
1610	1956	758	1503	0969	CONU	18.0	248	6		1	8	5	10	10	
1610	1957	749	1505	0924	PSME	87.2	254	1		1	1	1	10	10	
1610	1958	764	1508	0940	PSME	90.0	254	1		21	1	1	10	10	
1610	1959	766	1510	0991	PSME	90.0	248	6		1	1	1	10	10	
1610	1960	761	1516	0970	CONU	19.6	248	6		1	8	5	10	10	
1610	1961	768	1517	0982	PSME	114.3	248	6		1	1	1	10	10	
1610	1962	756	1520	0937	PSME	89.5	254	1		1	1	1	10	10	
1610	1963	734	1524	0917	CACH	34.4	254	1		1	3	3	10	10	
1610	1964	750	1530	0950	CACH	20.4	254	1		1	3	3	10	10	
1610	1965	765	1546	0977	THPL	42.4	254	1		1	4	4	10	10	
1610	1966	746	1556	0997	THPL	34.5	254	1		1	4	4	10	10	
1006	945	287	0932	0522	THPL	25.6	296	2		25	4	4	10	8	
1006	948	291	0945	0555	TSHE	20.7	237	2		25	2	2	10	9	
1006	950	281	0959	0549	TSHE	41.9	237	2		1	2	2	10	9	
1006	951	274	0976	0583	ACMA	34.7	237	2		1	5	5	10	9	
1006	952	395	0979	0539	PSME	24.3	295	2		1	1	1	10	9	
1106	955	128	1004	0537	TSHE	33.9	295	2		1	2	2	10	9	
1106	956	126	1028	0589	ACMA	17.5	238	6	125	1	5	5	10	9	
1106	957	185	1035	0582	PSME	15.0	238	6		1	1	1	10	9	
1106	958	181	1038	0540	TSHE	31.3	295	2		1	2	2	10	9	
1106	959	168	1047	0597	PSME	20.7	238	6		1	1	1	10	9	
1106	961	112	1054	0556	ACMA	37.0	238	6		1	5	5	10	9	
1106	962	99	1054	0596	TABR	15.1	238	6		1	7	4	10	9	
1106	963	115	1075	0562	ACMA	15.8	293	6	029	1	5	5	10	9	
1106	966	117	1076	0554	PSME	17.9	293	6		1	1	1	10	9	
1106	967	84	1085	0575	PSME	21.4	293	6		1	1	1	10	9	
1106	968	130	1086	0570	PSME	17.4	293	6		1	1	1	10	9	
1106	969	136	1090	0559	PSME	23.0	293	6		1	1	1	10	9	
1106	971	157	1097	0582	PSME	19.0	293	6		2	2	1	1	10	9
1106	973	158	1098	0568	PSME	16.4	293	6		3	1	1	10	9	

1206	974	686	1103	0560	ACMA	32.8	292	5	039	1	5	5	10	9	
1206	975	676	1104	0597	CACH	25.8	222	5	086	1	3	3	10	9	
1611	2155	737	1596	1017	TSHE	40.9	248	6			2	2	11	10	
1711	2156	393	1602	1029	TSHE	20.5	249	6		1	2	2	11	10	
1711	2157	380	1605	1020	TSHE	28.8	249	6		3	4	2	2	11	10
1711	2158	391	1618	1068	CACH	15.2	036	1	105	1	3	3	11	10	
1711	2159	366	1623	1073	CACH	23.0	036	1		1	3	3	11	10	
1711	2160	399	1625	1097	TSHE	18.0	036	1		1	2	2	11	10	
1711	2161	379	1629	1018	PSME	59.8	036	1		1	1	1	11	11	
1711	2162	364	1630	1041	CACH	19.2	036	1		21	3	3	11	11	
1711	2163	369	1637	1094	TSHE	15.5	036	1		1	2	2	11	10	
1711	2164	370	1649	1088	CACH	21.5	036	1		1	3	3	11	11	
1711	2165	378	1649	1036	CACH	27.3	250	1	037	1	3	3	11	11	
1711	2166	390	1652	1063	CACH	17.5	036	1		25	3	3	11	11	
1711	2167	360	1654	1028	CACH	26.4	250	1		1	3	3	11	11	
1711	2168	394	1669	1077	CACH	21.9	250	1		1	3	3	11	11	
1711	2169	395	1669	1085	CACH	23.9	250	1		1	3	3	11	11	
1711	2170	377	1677	1099	PSME	22.2	250	1		2	2	1	1	11	11
1711	2171	389	1678	1062	CACH	21.8	250	1		1	3	3	11	11	
1711	2172	367	1680	1090	PSME	31.5	250	1		1	1	1	11	11	
1712	2353	398	1634	1106	PSME	150.3	036	1		1	1	1	11	10	
1712	2361	361	1671	1102	PSME	42.0	007	1	024	1	1	1	11	11	
1712	2367	386	1693	1104	PSME	40.8	007	1		1	1	1	11	11	
1712	2368	372	1695	1106	PSME	46.6	007	1		1	1	1	11	11	
1406	1033	637	1358	0559	CACH	17.3	272	3		1	3	3	11	11	
1506	1041	380	1407	0553	PSME	47.2	280	1		25	1	1	11	11	
1506	1043	780	1409	0574	PSME	49.3	272	3		21	1	1	11	11	
1506	1044	399	1409	0578	TSHE	28.6	272	3		1	2	2	11	11	
1506	1046	373	1438	0581	PSME	107.5	271	1		1	1	1	11	11	
1507	1285	349	1408	0612	PSME	21.7	271	1	084	25	1	1	11	10	
1507	1286	356	1410	0681	CACH	23.1	269	1		1	3	3	11	10	
1507	1287	396	1412	0676	ACMA	16.0	269	1		3	5	5	11	10	
1507	1288	379	1416	0691	CACH	18.4	269	1		25	3	3	11	10	
1507	1289	344	1417	0678	CACH	22.8	269	1		2	2	3	3	11	10
1507	1290	346	1422	0619	PSME	17.4	271	1		25	1	1	11	11	
1507	1291	398	1421	0633	PSME	20.9	271	1		25	1	1	11	10	
1507	1292	388	1422	0695	PSME	34.8	269	1		3	1	1	11	10	
1507	1293	364	1432	0635	CACH	18.6	271	1		252	3	3	11	11	
1507	1294	381	1432	0625	PSME	19.2	271	1		25	1	1	11	11	
1507	1295	389	1433	0610	CACH	19.5	271	1		1	3	3	11	11	
1507	1296	370	1438	0603	CACH	16.3	271	1		21	3	3	11	11	
1507	1297	374	1439	0610	CACH	17.3	271	1		1	3	3	11	11	
1507	1298	377	1442	0685	PSME	74.4	269	1		1	1	1	11	10	
1507	1299	386	1444	0626	CACH	21.8	271	1		252	3	3	11	11	
1507	1300	365	1447	0607	CACH	15.7	271	1		1	3	3	11	11	
1507	1301	371	1450	0650	CACH	22.7	271	1		2	2	3	3	11	11
1507	1302	353	1450	0611	PSME	88.0	271	1		1	1	1	11	11	
1507	1303	684	1451	0662	PSME	131.2	271	1		1	1	1	11	11	
1507	1304	699	1453	0637	CACH	19.0	271	1		252	3	3	11	11	
1507	1305	390	1454	0624	TSHE	16.5	271	1		1	2	2	11	11	
1507	1306	698	1454	0641	CACH	21.0	271	1		2	2	3	3	11	11
1507	1307	687	1454	0668	CACH	23.9	271	1		25	3	3	11	11	
1507	1308	697	1460	0634	CACH	19.0	271	1		1	3	3	11	11	
1507	1309	685	1460	0663	CACH	27.1	271	1		2	2	3	3	11	11

1507	1310	686	1462	0661	CACH	20.1	271	1		252	3	3	11	11	
1507	1311	696	1465	0644	CACH	26.4	271	1		1	3	3	11	11	
1507	1312	693	1465	0652	CACH	22.0	271	1		252	3	3	11	11	
1507	1313	694	1468	0656	CACH	23.0	271	1		2	2	3	3	11	11
1507	1314	695	1469	0644	CACH	20.8	271	1		1	3	3	11	11	
1507	1315	692	1472	0654	CACH	17.0	271	1		2	2	3	3	11	11
1507	1316	393	1472	0647	LIDE	42.3	271	1		3	9	4	11	11	
1507	1317	688	1481	0689	TSHE	22.8	270	1	046	25	2	2	11	11	
1507	1318	691	1482	0682	CACH	19.3	270	1		35	3	3	11	11	
1507	1319	689	1488	0689	TSHE	20.5	270	1		1	2	2	11	11	
1507	1320	690	1497	0688	TSHE	39.3	270	1		1	2	2	11	11	
1508	1553	367	1427	0735	TSHE	17.4	266	1		1	2	2	11	10	
1508	1554	397	1440	0729	TSHE	24.6	266	1		1	2	2	11	10	
1508	1555	361	1445	0750	PSME	133.2	266	1		1	1	1	11	10	
1508	1556	351	1447	0765	PSME	118.0	262	1	122	1	1	1	11	10	
1508	1557	362	1462	0730	PILA	29.1	266	1		23	6	6	11	10	
1508	1558	679	1464	0706	PSME	109.5	270	1		1	1	1	11	10	
1508	1559	674	1472	0732	CACH	20.6	265	1	086	1	3	3	11	10	
1508	1560	670	1479	0770	PSME	16.1	265	1		1	1	1	11	10	
1508	1561	680	1479	0707	TSHE	19.2	270	1		1	2	2	11	10	
1508	1562	681	1488	0795	CACH	19.9	262	1		2	2	3	3	11	10
1508	1563	682	1494	0795	CACH	17.2	262	1		1	3	3	11	10	
1508	1564	683	1496	0784	CACH	15.4	262	1		2	2	3	3	11	10
1608	1565	747	1503	0749	CACH	22.5	265	1		1	3	3	11	10	
1608	1566	755	1507	0736	TSHE	21.9	265	1		1	2	2	11	11	
1608	1567	795	1509	0712	LIDE	17.0	265	1		1	9	4	11	11	
1608	1568	769	1511	0725	CACH	18.9	265	1		2	2	3	3	11	11
1608	1569	360	1517	0743	PSME	60.5	265	1		1	1	1	11	11	
1608	1570	793	1526	0718	CACH	21.2	265	1		1	3	3	11	11	
1608	1571	751	1530	0788	PSME	137.5	262	1		1	1	1	11	10	
1608	1572	776	1544	0751	PSME	106.8	263	1	031	1	1	1	11	11	
1608	1573	799	1570	0777	CACH	18.9	261	1	141	1	3	3	11	11	
1608	1574	772	1578	0783	CACH	16.6	261	1		1	3	3	11	11	
1608	1575	783	1582	0793	CACH	20.8	261	1		1	3	3	11	11	
1608	1576	778	1585	0785	CACH	16.2	261	1		1	3	3	11	11	
1608	1577	790	1600	0800	PSME	100.0	261	1		1	1	1	11	11	
1607	1578	767	1505	0682	TSHE	16.2	265	1		25	2	2	11	11	
1509	1782	376	1457	0814	PSME	114.0	259	3		1	1	1	11	10	
1509	1783	394	1475	0824	PSME	98.6	260	1	105	35	1	1	11	10	
1609	1786	754	1504	0805	CACH	15.2	262	1		1	3	3	11	10	
1609	1787	745	1515	0807	PSME	108.3	262	1		1	1	1	11	10	
1609	1788	762	1526	0817	PSME	137.3	262	1		25	1	1	11	10	
1609	1789	763	1531	0818	TSHE	16.3	262	1		3	2	2	11	10	
1609	1790	759	1544	0809	PILA	84.2	262	1		1	6	6	11	10	
1609	1791	797	1550	0894	THPL	80.0	254	1	183	1	4	4	11	10	
1609	1792	757	1553	0840	TSHE	25.4	255	6	237	1	2	2	11	10	
1609	1793	355	1570	0830	PSME	153.8	261	1		1	1	1	11	11	
1609	1794	800	1579	0875	TSHE	27.5	261	1		1	2	2	11	10	
1609	1795	787	1581	0852	PSME	17.0	261	1		25	1	1	11	11	
1609	1796	358	1596	0838	CACH	21.2	261	1		1	3	3	11	11	
1609	1797	757	1595	0881	TSHE	44.0	261	1		1	2	2	11	11	
1709	1798	356	1609	0844	CACH	17.5	261	1		1	3	3	11	11	
1709	1799	359	1609	0839	CACH	20.1	261	1		1	3	3	11	11	
1610	1965	796	1544	0918	PSME	89.6	254	1		21	1	1	11	10	

1610	1967	775	1556	0944	PSME	126.0	254	1	25	1	1	11	10	
1610	1969	785	1576	0949	CACH	25.9	254	1	1	3	3	11	10	
1610	1970	748	1580	0988	TSHE	49.8	254	1	1	2	2	11	10	
1610	1971	786	1580	0954	CACH	17.5	254	1	1	3	3	11	10	
1610	1972	789	1592	0958	PSME	92.4	253	1	057	1	1	1	11	10
1710	1973	740	1605	0936	PSME	137.1	253	1	3	4	1	1	11	11
1710	1974	777	1606	0944	PSME	87.8	253	1	3	4	1	1	11	11
1710	1975	794	1606	0974	PSME	119.0	253	1	3	4	1	1	11	11
1710	1976	739	1620	0904	CACH	27.2	261	1	1	3	3	11	11	
1710	1977	738	1622	0936	CACH	28.3	253	1	1	3	3	11	11	
1710	1978	771	1624	0972	PSME	107.1	253	1	3	4	1	1	11	11
1710	1979	760	1635	0986	CACH	28.0	251	1	043	25	3	3	11	11
1710	1980	700	1638	0954	CACH	19.6	252	1	013	25	3	3	11	11
1710	1981	354	1644	0990	PSME	117.2	251	1	23	1	1	1	11	11
0403	124	260	0319	0226	PSME	108.0	387	3	1	1	1	12	7	
0403	126	261	0322	0203	TSHE	30.2	388	2	049	1	2	2	12	7
0403	130	295	0352	0227	PSME	17.8	388	2	21	1	1	1	12	7
0403	131	283	0353	0200	TABR	19.1	388	2	1	7	4	12	7	
0403		286	0353	0194	PSME	112.0	388	2	1	1	1	12	7	
0403	132	294	0366	0227	PSME	16.0	388	2	1	1	1	12	7	
0403		289	0376	0197	PSME	31.0	388	2	1	1	1	12	7	
0403	135	287	0388	0223	PSME	33.8	404	1	052	1	1	1	12	7
0403	137	280	0395	0229	TSHE	18.5	404	1	1	2	2	12	7	
0503	140	823	0449	0253	ACMA	21.5	404	1	1	5	5	12	5	
0503	143	816	0469	0238	CACH	22.4	404	1	1	3	3	12	7	
0603	149	813	0504	0222	PSME	130.0	407	2	032	1	1	1	12	7
0603	150	812	0517	0230	TSHE	19.8	408	2	078	1	2	2	12	7
0603	151	811	0519	0246	PSME	28.4	408	2	1	1	1	12	5	
0603	152	810	0523	0261	TSHE	26.5	408	2	1	2	2	12	5	
0603	153	809	0524	0297	ACMA	24.2	401	3	049	1	5	5	12	5
0603	154	806	0539	0252	TSHE	21.3	340	2	116	1	2	2	12	5
0603	155	808	0546	0276	PSME	128.0	340	2	1	1	1	12	5	
0603	156	805	0549	0233	PSME	110.5	340	2	1	1	1	12	7	
0603	157	807	0555	0262	TSHE	35.8	340	2	1	2	2	12	5	
0603	158	804	0559	0235	PSME	16.0	340	2	1	1	1	12	7	
0603	159	803	0580	0255	PSME	21.2	340	2	1	1	1	12	5	
0603	161	801	0596	0265	PSME	18.8	340	2	1	1	1	12	5	
0603	162	800	0596	0235	TSHE	49.8	340	2	1	2	2	12	5	
0703	164	288	0602	0253	PSME	24.9	340	2	1	1	1	12	5	
0703	165	292	0602	0298	PSME	21.6	339	2	080	25	1	1	12	5
0703	167	293	0616	0277	PSME	16.0	339	2	1	1	1	12	5	
0703	170	297	0627	0275	PSME	18.0	339	2	25	1	1	1	12	5
0703	172	24	0641	0259	PSME	32.0	339	2	1	1	1	12	5	
0703	173	236	0653	0266	PSME	19.1	339	2	1	1	1	12	5	
0703	175	245	0662	0279	TABR	21.8	339	2	1	7	4	12	5	
0703	182	241	0696	0279	PSME	113.9	330	2	1	1	1	12	5	
0803	185	880	0720	0281	PSME	91.6	331	2	162	23	1	1	12	5
0803	189	881	0730	0282	TSHE	27.5	331	2	1	2	2	12	5	
0803	191	882	0759	0288	PSME	122.5	328	3	054	1	1	1	12	5
0803	191	884	0764	0298	CACH	24.5	328	3	1	3	3	12	5	
0803	192	885	0766	0278	TSHE	25.0	328	3	1	2	2	12	5	
0803	195	883	0772	0296	TSHE	17.3	328	3	1	2	2	12	5	
0803	199	886	0789	0284	CACH	11.0	328	3	1	3	3	12	5	
0903	200	966	0818	0283	PSME	140.1	324	6	110	1	1	1	12	5

0903	201	965	0825	0282	TSHE	26.7	324	6	1	2	2	12	5	
0903	205	964	0859	0274	TSHE	23.0	324	6	1	2	2	12	5	
0903	205	963	0861	0267	PSME	177.4	324	6	21	1	1	12	5	
0704	399	Z40	0628	0301	PSME	24.4	339	2	25	1	1	12	5	
0704	408	Z31	0658	0360	TSHE	27.4	412	4	25	2	2	12	5	
0704	409	Z30	0659	0340	PSME	131.3	331	2	1	1	1	12	5	
0704	410	Z46	0664	0310	PSME	127.3	331	2	1	1	1	12	5	
0704	411	Z29	0667	0336	TSHE	28.4	331	2	1	2	2	12	5	
0704	412	Z32	0671	0353	TSHE	25.7	331	2	25	2	2	12	5	
0704	413	Z43	0672	0314	TSHE	36.1	331	2	1	2	2	12	5	
0704	414	Z33	0674	0341	TSHE	19.8	331	2	1	2	2	12	5	
0704	415	Z27	0680	0388	PSME	26.2	412	4	25	1	1	12	5	
0704	415	Z50	0680	0393	TSHE	23.6	412	4	1	2	2	12	5	
0704	417	Z34	0680	0397	TSHE	18.3	412	4	25	2	2	12	5	
0704	418	Z48	0683	0354	TSHE	17.3	331	2	25	2	2	12	5	
0704	419	Z38	0683	0388	TSHE	19.8	412	4	1	2	2	12	5	
0704	420	Z13	0687	0321	TSHE	26.9	331	2	1	2	2	12	5	
0704	421	Z16	0689	0324	TSHE	22.9	331	2	1	2	2	12	5	
0704	422	Z28	0693	0391	PSME	35.8	412	4	25	1	1	12	5	
0704	423	Z42	0693	0369	TSHE	25.7	331	2	25	2	2	12	5	
0704	424	Z8	0696	0323	TSHE	19.8	331	2	1	2	2	12	5	
0804	425	860	0702	0362	TSHE	15.6	331	2	1	2	2	12	5	
0804	426	848	0703	0304	ACMA	21.0	331	2	1	5	5	12	5	
0804	427	849	0703	0306	ACMA	16.5	331	2	1	5	5	12	5	
0804	428	859	0705	0357	TSHE	19.5	331	2	1	2	2	12	5	
0804	429	861	0706	0367	PSME	96.5	331	2	1	1	1	12	5	
0804	430	850	0709	0309	TSHE	18.8	331	2	1	2	2	12	5	
0804	431	851	0712	0309	TSHE	22.9	331	2	1	2	2	12	5	
0804	432	852	0715	0308	TSHE	30.6	331	2	1	2	2	12	5	
0804	433	856	0721	0326	PSME	136.5	331	2	1	1	1	12	5	
0804	434	853	0722	0310	TSHE	20.7	331	2	1	2	2	12	5	
0804	435	858	0724	0343	PSME	16.0	331	2	1	1	1	12	5	
0804	436	857	0725	0330	TSHE	22.9	331	2	1	2	2	12	5	
0804	437	855	0730	0322	TSHE	25.9	331	2	2	2	2	12	5	
0804	438	854	0738	0311	TSHE	26.6	331	2	25	2	2	12	5	
0804	439	866	0745	0373	TSHE	21.8	327	2	179	1	2	2	12	5
0804	440	869	0750	0379	PSME	23.2	327	2	1	1	1	12	5	
0804	441	867	0752	0371	TSHE	19.6	327	2	1	2	2	12	5	
0804	442	868	0754	0376	TSHE	19.8	327	2	1	2	2	12	5	
0804	443	862	0756	0396	PSME	50.2	327	2	25	1	1	12	5	
0804	444	870	0762	0354	TSHE	22.4	327	2	1	2	2	12	5	
0804	445	863	0764	0391	PSME	68.5	327	2	25	1	1	12	5	
0804	446	872	0776	0314	TSHE	17.8	328	3	25	2	2	12	5	
0804	447	874	0780	0303	PSME	22.5	328	3	1	1	1	12	5	
0804	448	865	0783	0392	TSHE	51.5	327	2	1	2	2	12	5	
0804	449	864	0784	0383	THPL	54.4	327	2	1	4	4	12	5	
0804	450	873	0785	0316	ACMA	18.5	328	3	1	5	5	12	5	
0804	451	871	0789	0344	PSME	169.2	327	2	1	1	1	12	5	
0904	452	956	0802	0302	PSME	109.7	325	6	198	1	1	1	12	5
0904	453	957	0806	0302	TSHE	19.2	325	6	1	2	2	12	5	
0904	454	958	0806	0315	TSHE	22.3	325	6	1	2	2	12	5	
0904	455	946	0806	0381	PSME	35.2	325	6	1	1	1	12	5	
0904	456	947	0806	0394	PSME	51.7	325	6	1	1	1	12	5	
0904	457	943	0816	0359	ACMA	18.0	325	6	1	5	5	12	5	

0904	458	955	0818	0311	TSHE	23.3	325	6	1	2	2	12	5	
0904	459	945	0821	0380	TSHE	23.6	325	6	1	2	2	12	5	
0904	461	979	0830	0365	TSHE	49.1	325	6	1	2	2	12	5	
0904	461	954	0834	0348	TSHE	30.5	325	6	1	2	2	12	5	
0904	462	942	0840	0372	THPL	45.1	325	6	1	4	4	12	5	
0904	463	953	0843	0336	PSME	106.5	325	6	1	1	1	12	5	
0904	464	952	0848	0317	PSME	106.6	325	6	1	1	1	12	5	
0904	465	939	0849	0387	PSME	114.7	325	6	1	1	1	12	5	
0904	466	940	0856	0372	TSHE	35.7	325	6	1	2	2	12	5	
0904	467	941	0856	0376	TSHE	28.3	325	6	24	2	2	12	5	
0705	670	931	0679	0434	ACMA	21.1	332	2	152	2	3	5	5	
0705	672	71	0695	0479	TABR	21.3	332	2	1	7	4	12	5	
0705	673	933	0696	0446	TSHE	26.2	332	2	21	2	2	12	5	
0705	674	224	0697	0479	TABR	16.0	332	2	1	7	4	12	5	
0805	675	825	0702	0402	TSHE	15.0	412	4	1	2	2	12	5	
0805	676	845	0705	0498	THPL	17.5	332	2	2	5	4	4	12	5
0805	677	846	0709	0442	PSME	65.8	332	2	1	1	1	12	5	
0805	673	844	0713	0488	PSME	30.4	332	2	1	1	1	12	5	
0805	679	847	0725	0440	TSHE	51.2	332	2	1	2	2	12	5	
0805	680	843	0731	0484	PSME	73.0	332	2	1	1	1	12	5	
0805	681	826	0732	0413	ACMA	23.8	327	2	1	5	5	12	5	
0805	682	842	0734	0476	PSME	18.5	332	2	3	1	1	12	5	
0805	683	827	0750	0413	PSME	60.8	327	2	1	1	1	12	5	
0805	684	840	0751	0485	PSME	16.2	332	2	3	1	1	12	5	
0805	685	828	0752	0402	THPL	33.0	327	2	21	4	4	12	5	
0805	686	829	0753	0406	PSME	50.0	327	2	1	1	1	12	5	
0805	687	841	0753	0471	PSME	20.6	332	2	3	1	1	12	5	
0805	683	830	0754	0404	THPL	29.2	327	2	1	4	4	12	5	
0805	683	831	0757	0401	PSME	61.5	327	2	1	1	1	12	5	
0805	691	838	0758	0455	PSME	18.0	327	2	22	1	1	12	5	
0805	691	836	0760	0436	THPL	24.5	327	2	1	4	4	12	5	
0805	692	833	0764	0418	PSME	90.0	327	2	1	1	1	12	5	
0805	693	837	0767	0441	THPL	35.2	327	2	25	4	4	12	5	
0805	694	832	0769	0408	PSME	36.2	327	2	1	1	1	12	5	
0805	695	835	0774	0415	TSHE	27.0	327	2	1	2	2	12	5	
0805	696	834	0780	0407	TSHE	35.3	327	2	1	2	2	12	5	
0905	698	928	0808	0424	THPL	22.4	325	6	1	4	4	12	8	
0905	701	927	0812	0424	PSME	35.1	325	6	1	1	1	12	8	
0905	705	935	0842	0406	PSME	95.7	325	6	21	1	1	12	8	
0905	703	932	0850	0442	THPL	62.1	326	4	1	4	4	12	8	
0905	709	933	0871	0410	TSHE	37.7	318	2	1	2	2	12	8	
0905	711	934	0882	0415	TABR	18.0	318	2	1	7	4	12	8	
0905	711	936	0888	0408	THPL	35.5	318	2	25	4	4	12	8	
0905	712	937	0889	0411	THPL	21.3	318	2	1	4	4	12	8	
0905	713	938	0891	0411	PSME	40.3	318	2	1	1	1	12	8	
1005	715	288	0914	0424	TSHE	15.5	318	2	25	2	2	12	8	
1005	713	289	0922	0432	PSME	114.3	318	2	25	1	1	12	8	
0607	1103	542	0550	0611	PSME	17.2	143	4	1	1	1	13	3	
0607	1111	536	0565	0652	TSHE	24.8	142	5	1	2	2	13	3	
0607	1112	538	0569	0641	TSHE	31.6	143	4	1	2	2	13	3	
0607	1113	535	0580	0660	TSHE	49.0	142	5	1	2	2	13	3	
0607	1114	540	0583	0634	TABR	16.0	143	4	2	2	7	4	13	3
0607	1115	539	0586	0636	TABR	17.5	143	4	2	2	7	4	13	3
0607	1116	541	0594	0630	TSHE	60.2	143	4		2	2	13	3	

0707	1118	833	0618	0686	PSME	118.7	233	6	098	1	1	1	13	3
0707	1121	826	0677	0663	TSHE	29.9	234	4		2	2	2	13	3
0807	1123	799	0701	0677	TSHE	28.2	234	4		1	2	2	13	3
0708	1399	842	0682	0714	PSME	35.0	198	3		1	1	1	13	3
0808	1407	779	0704	0708	TSHE	25.8	233	6		1	2	2	13	3
0808	1421	790	0752	0776	PSME	25.2	199	2		1	1	1	13	3
0103	87	528	0040	0280	TSHE	49.5	368	4	048	1	2	2	13	4
0103	83	529	0049	0271	THPL	19.8	368	4		1	4	4	13	4
0103	89	527	0052	0295	TSHE	19.1	367	3	080	1	2	2	13	4
0104	303	524	0060	0305	TSHE	57.9	367	3		1	2	2	13	4
0204	303	249	0101	0316	THPL	32.5	369	3	022	1	4	4	13	4
0204	312	257A	0135	0354	TSHE	57.7	370	3	025	1	2	2	13	4
0204	313	252	0143	0382	TSHE	28.7	370	3		1	2	2	13	4
0204	315	257B	0146	0379	TSHE	15.9	373	4	146	1	2	2	13	4
0204	315	246	0148	0397	PSME	119.9	361	3	076	1	1	1	13	4
0204	317	253	0159	0351	TABR	33.8	409	7		1	7	4	13	4
0204	319	256	0171	0383	TABR	14.5	373	4		1	7	4	13	4
0204	321	255	0175	0381	TSHE	15.2	373	4		1	2	2	13	4
0204	322	248	0186	0396	TSHE	54.6	373	4		1	2	2	13	4
0205	584	295	0196	0423	PSME	126.7	373	4		1	1	1	13	4
0305	585	280	0203	0413	ACMA	35.8	373	4		1	5	5	13	4
0305	587	282	0212	0437	TSHE	31.8	362	6		1	2	2	13	4
0305	589	300	0221	0418	TSHE	21.3	373	4		1	2	2	13	4
0305	589	286	0245	0465	PSME	146.3	362	6		1	1	1	13	4
0305	591	285	0248	0477	TSHE	62.5	362	6		1	2	2	13	4
0305	591	281	0254	0416	TABR	17.0	409	7		1	7	4	13	4
0305	592	287	0265	0463	TSHE	18.3	373	4		1	2	2	13	4
0305	593	278	0268	0496	TSHE	16.5	351	6	073	1	2	2	13	3
0305	594	293	0274	0440	TSHE	16.0	373	4		1	2	2	13	4
0305	595	290	0276	0450	TSHE	16.8	373	4		1	2	2	13	4
0305	596	279	0277	0482	TSHE	19.6	349	4	105	1	2	2	13	4
0305	597	289	0278	0458	ACMA	16.0	373	4		1	5	5	13	4
0305	598	288	0278	0464	TABR	18.8	373	4		1	7	4	13	4
0305	599	292	0281	0429	TSHE	27.7	409	7		1	2	2	13	4
0305	601	291	0284	0450	TSHE	17.0	373	4		1	2	2	13	4
0305	602	270	0293	0498	TSHE	35.6	349	4		1	2	2	13	4
0405	603	1115	0302	0479	PSME	25.7	349	4		1	1	1	13	4
0405	605	1118	0321	0448	TSHE	15.5	349	4		1	2	2	13	4
0405	608	1122	0331	0483	PSME	32.0	349	4		1	1	1	13	4
0405	609	1113	0338	0465	TSHE	32.3	349	4		1	2	2	13	4
0405	611	1121	0349	0493	TSHE	15.5	349	4		1	2	2	13	3
0405	614	1120	0366	0499	TSHE	21.3	349	4		1	2	2	13	3
0405	619	1124	0379	0489	TSHE	19.1	409	7		1	2	2	13	4
0306	857	327	0287	0512	TSHE	33.8	349	4		1	2	2	13	3
0406	861	1143	0339	0539	PSME	29.2	347	2		1	1	1	13	3
0406	862	1133	0345	0504	TSHE	35.8	349	4		1	2	2	13	3
0406	863	1149	0350	0541	CONU	17.3	347	2		1	8	5	13	3
0406	864	1126	0356	0530	PSME	67.8	348	4	032		1	1	13	3
0406	865	1146	0365	0505	TSHE	46.5	349	4		1	2	2	13	3
0406	866	1147	0369	0504	ACMA	25.9	349	4		21	5	5	13	3
0406	868	1102	0389	0533	TSHE	18.3	347	2		25	2	2	13	3
0406	871	1114	0399	0536	TSHE	17.3	347	2		1	2	2	13	3
0506	873	912	0428	0541	ACMA	22.0	344	4	024	1	5	5	13	3
0506	874	911	0436	0549	PSME	29.3	344	4		1	1	1	13	3

0506	875	910	0455	0565	PSME	31.2	141	6	100	1	1	1	13	3	
0506	876	903	0475	0515	TSHE	15.1	409	7		1	2	2	13	5	
0506	877	904	0476	0531	TSHE	22.9	342	4	024	2	1	2	2	13	3
0506	873	906	0480	0542	ACMA	15.9	342	4		1	5	5	13	3	
0506	879	905	0482	0544	ACMA	20.9	342	4		1	5	5	13	3	
0506	880	909	0482	0567	ACMA	16.5	343	4	029	1	5	5	13	3	
0506	881	908	0486	0565	ACMA	19.5	343	4		1	5	5	13	3	
0506	882	902	0497	0545	THPL	18.2	343	4		1	4	4	13	3	
0506	883	907	0498	0570	TSHE	15.5	343	4		1	2	2	13	3	
0606	884	544	0504	0569	PSME	15.5	343	4		1	1	1	13	3	
0606	885	546	0509	0598	PSME	21.5	161	1	047	1	1	1	13	3	
0606	886	545	0513	0575	PSME	15.4	161	1		1	1	1	13	3	
0606	889	553	0528	0548	PSME	31.5	342	4		1	1	1	13	3	
0606	890	547	0530	0590	THPL	119.2	161	1		1	4	4	13	3	
0606	891	554	0531	0537	TSHE	24.4	342	4		1	2	2	13	3	
0606	893	548	0544	0586	THPL	71.0	161	1		1	4	4	13	3	
0606	895	549	0560	0597	PSME	29.0	143	4	071	1	1	1	13	3	
0606	896	550	0569	0598	THPL	23.1	160	4	097	1	4	4	13	3	
0606	900	551	0582	0576	THPL	61.2	160	4		1	4	4	13	3	
0606	903	564	0593	0504	PSME	65.5	335	4		1	1	1	13	5	
0711	1999	752	0606	1082	CACH	19.4	093	1		2	3	3	14	2	
0711	2000	761	0608	1092	PSME	40.4	093	1		1	1	1	14	2	
0711	2001	766	0611	1098	PSME	16.7	093	1		3	1	1	14	2	
0711	2002	755	0612	1075	TSHE	33.5	093	1		1	2	2	14	2	
0711	2003	759	0630	1065	TSHE	29.1	093	1		1	2	2	14	2	
0711	2004	764	0632	1004	PSME	89.3	157	1		1	1	1	14	2	
0711	2005	773	0632	1093	PSME	25.0	093	1		1	1	1	14	2	
0711	2006	765	0635	1029	CACH	15.9	168	1		1	3	3	14	2	
0711	2007	758	0648	1072	PILA	36.8	093	1		1	6	6	14	2	
0711	2008	772	0649	1096	PSME	20.2	092	1	052	1	1	1	14	2	
0711	2009	762	0669	1096	TSHE	16.0	092	1		25	2	2	14	2	
0711	2010	757	0678	1026	PSME	102.5	168	1		1	1	1	14	2	
0711	2011	769	0680	1046	TSHE	73.8	091	1	039	1	2	2	14	2	
0711	2012	754	0682	1077	PSME	124.7	092	1		25	1	1	14	2	
0711	2013	771	0683	1090	PILA	32.8	092	1		1	6	6	14	2	
0711	2014	756	0686	1097	PILA	63.1	092	1		1	6	6	14	2	
0811	2015	647	0730	1029	CACH	20.7	170	1	071	1	3	3	14	2	
0811	2016	649	0732	1040	PSME	113.0	170	1		1	1	1	14	2	
0811	2017	644	0735	1096	CACH	17.0	083	1	271	2	2	3	3	14	2
0811	2018	648	0739	1050	PILA	80.8	170	1		1	6	6	14	2	
0811	2019	645	0739	1086	CACH	15.4	083	1		1	3	3	14	2	
0811	2020	646	0742	1080	CACH	25.9	083	1		1	3	3	14	2	
0811	2021	643	0747	1092	PILA	123.0	083	1		1	6	6	14	2	
0811	2022	751	0756	1021	CACH	19.4	170	1		1	3	3	14	2	
0811	2023	642	0769	1098	CACH	13.4	090	1	056	1	3	3	14	2	
0811	2024	641	0775	1097	CACH	18.7	090	1		1	3	3	14	2	
0811	2025	752	0790	1002	PSME	105.0	186	1	019	1	1	1	14	2	
0911	2026	710	0804	1079	PIMO	45.9	090	1		3	12	6	14	2	
0911	2027	709	0805	1083	PSME	91.4	090	1		21	1	1	14	2	
0911	2028	716	0807	1060	CACH	15.8	090	1		1	3	3	14	2	
0911	2029	711	0811	1092	CACH	15.9	090	1		1	3	3	14	2	
0911	2030	712	0851	1082	PSME	14.9	172	1		1	1	1	14	2	
0911	2031	713	0860	1092	CACH	16.8	089	1	028	21	3	3	14	2	
0911	2032	717	0880	1019	PSME	15.0	173	1	126	1	1	1	14	2	

0911	2033	714	0896	1089	PILA	16.7	173	1	1	6	6	14	2	
0911	2034	715	0897	1032	CACH	15.4	173	1	1	3	3	14	2	
1011	2035	527	0902	1098	CACH	15.7	072	1	174	23	3	3	14	2
1011	2036	514	0904	1016	CACH	18.5	173	1	2	3	3	14	3	
1011	2037	520	0908	1077	PSME	126.4	173	1	1	1	1	14	2	
1011	2038	515	0912	1041	CACH	17.8	173	1	1	3	3	14	2	
1011	2039	526	0927	1093	CACH	15.4	073	1	066	324	3	3	14	2
1011	2040	513	0934	1022	TABR	38.1	173	1	1	7	4	14	3	
1011	2041	525	0943	1095	CACH	16.5	073	1	1	3	3	14	2	
1011	2042	519	0950	1056	PILA	21.4	410	1	039	201	6	6	14	3
1011	2043	524	0951	1085	CACH	20.3	073	1	1	3	3	14	2	
1011	2044	516	0953	1033	TSHE	26.1	173	1	1	2	2	14	3	
1011	2045	518	0956	1077	CACH	17.7	410	1	1	3	3	14	3	
1011	2046	523	0957	1098	PSME	102.4	073	1	1	1	1	14	2	
1011	2047	517	0960	1076	CACH	23.7	410	1	1	3	3	14	3	
1011	2048	522	0967	1090	CACH	18.7	073	1	1	3	3	14	3	
1011	2049	521	0973	1098	CACH	18.0	073	1	1	3	3	14	3	
1011	2050	512	0996	1004	PSME	115.8	183	5	1	1	1	14	3	
1111	2051	435	1005	1074	ARME	19.2	088	1	105	1	13	3	14	3
1111	2052	436	1009	1096	CACH	15.6	088	1	21	3	3	14	3	
1111	2053	434	1014	1080	CACH	32.5	088	1	1	3	3	14	3	
1111	2054	433	1058	1077	PSME	24.0	088	1	1	1	1	14	3	
0712	2173	429	0628	1103	PSME	20.1	093	1	1	1	1	14	2	
0712	2174	438	0640	1128	PSME	17.7	084	1	070	1	1	1	14	2
0712	2175	437	0657	1122	PILA	21.7	084	1	1	6	6	14	2	
0712	2176	439	0664	1113	PSME	17.9	084	1	1	1	1	14	2	
0712	2177	435	0668	1107	PSME	34.5	092	1	1	1	1	14	2	
0712	2173	436	0680	1158	PSME	109.2	084	1	2	2	1	1	14	2
0712	2173	774	0691	1161	CACH	16.2	084	1	2	2	3	3	14	2
0712	2180	433	0696	1135	PILA	24.8	084	1	1	6	6	14	2	
0712	2181	770	0698	1169	CACH	21.9	084	1	1	3	3	14	2	
0812	2182	625	0703	1158	CACH	16.5	084	1	1	3	3	14	2	
0812	2183	626	0704	1155	CACH	15.6	084	1	1	3	3	14	2	
0812	2184	618	0714	1117	CACH	23.7	084	1	1	3	3	14	2	
0812	2185	624	0728	1170	CACH	24.5	084	1	1	3	3	14	2	
0812	2186	619	0732	1104	CACH	22.8	084	1	1	3	3	14	2	
0812	2187	621	0736	1115	CACH	16.0	084	1	2	2	3	3	14	2
0812	2188	620	0739	1113	PSME	105.4	084	1	31	1	1	14	2	
0812	2189	627	0745	1197	PSME	103.5	084	1	1	1	1	14	2	
0812	2190	622	0748	1127	TSHE	15.2	084	1	1	2	2	14	2	
0812	2191	628	0752	1197	CACH	17.8	084	1	2	3	3	14	2	
0812	2192	623	0759	1155	CACH	23.0	084	1	2	2	3	3	14	2
0812	2193	629	0773	1194	PILA	27.3	084	1	33	6	6	14	2	
0812	2194	632	0774	1158	CACH	18.3	084	1	1	3	3	14	2	
0812	2195	630	0776	1174	CACH	15.1	084	1	2	3	3	14	2	
0812	2196	637	0776	1111	CACH	17.5	093	1	1	3	3	14	2	
0812	2197	631	0783	1169	CACH	22.0	083	1	2	2	3	3	14	2
0812	2198	633	0784	1162	CACH	15.7	083	1	1	3	3	14	2	
0812	2199	634	0785	1150	CACH	18.7	083	1	2	2	3	3	14	2
0812	2200	636	0785	1110	CACH	15.5	090	1	1	3	3	14	2	
0812	2201	635	0786	1114	LIPE	70.0	090	1	1	9	4	14	2	
0812	2202	638	0794	1112	CACH	22.0	090	1	1	3	3	14	2	
0912	2203	708	0806	1132	CACH	17.0	083	1	1	3	3	14	2	
0912	2204	689	0810	1196	PSME	29.7	083	1	1	1	1	14	2	

0912	2205	690	0818	1161	CACH	17.4	083	1	21	3	3	14	2		
0912	2206	688	0822	1167	PILA	37.5	083	1	25	6	6	14	2		
0912	2207	691	0830	1142	PSME	17.6	083	1	1	1	1	14	2		
0912	2208	707	0830	1117	CACH	20.2	083	1	1	3	3	14	2		
0912	2209	708	0835	1116	TSHE	77.5	083	1	1	2	2	14	2		
0912	2210	687	0836	1168	PILA	43.3	083	1	1	6	6	14	2		
0912	2211	705	0840	1132	CACH	15.5	083	1	1	3	3	14	2		
0912	2212	704	0850	1132	CACH	15.6	083	1	1	3	3	14	2		
0912	2213	703	0852	1132	PILA	100.5	083	1	1	6	6	14	2		
0912	2214	692	0868	1142	CACH	16.7	074	1	082	1	3	3	14	2	
0912	2215	693	0871	1142	CACH	25.2	074	1	1	3	3	14	2		
0912	2216	698	0874	1170	TSHE	26.0	074	1	1	2	2	14	2		
0912	2217	694	0875	1140	CACH	15.1	074	1	1	3	3	14	2		
0912	2218	695	0876	1134	CACH	21.0	074	1	2	2	3	3	14	2	
0912	2219	697	0876	1142	CACH	24.5	074	1	1	3	3	14	2		
0912	2220	696	0878	1141	CACH	24.2	074	1	1	3	3	14	2		
0912	2221	702	0884	1122	CACH	23.3	074	1	1	3	3	14	2		
0912	2222	699	0886	1142	PSME	22.2	074	1	3	1	1	14	2		
0912	2223	701	0887	1124	TSHE	15.9	074	1	3	2	2	14	2		
0912	2224	700	0888	1126	TSHE	24.2	074	1	1	2	2	14	2		
1012	2225	528	0907	1130	PILA	23.2	074	1	1	6	6	14	2		
1012	2226	529	0909	1147	PILA	27.4	074	1	23	6	6	14	2		
1012	2228	541	0940	1173	CACH	19.0	072	1	1	3	3	14	2		
1012	2229	540	0941	1161	CACH	16.4	072	1	1	3	3	14	2		
1012	2230	530	0943	1102	CACH	16.4	073	1	1	3	3	14	2		
1012	2231	539	0950	1142	CACH	17.9	073	1	1	3	3	14	2		
1012	2232	531	0951	1115	CACH	24.7	073	1	1	3	3	14	2		
1012	2233	532	0953	1121	PSME	81.6	073	1	34	1	1	14	2		
1012	2235	538	0959	1138	CACH	15.6	073	1	1	3	3	14	2		
1012	2236	537	0964	1138	CACH	23.4	073	1	1	3	3	14	2		
1012	2237	533	0966	1126	CACH	19.9	073	1	1	3	3	14	2		
1012	2238	534	0973	1132	CACH	17.7	073	1	1	3	3	14	2		
1012	2240	535	0980	1107	CACH	20.3	073	1	1	3	3	14	3		
1012	2242	545	0993	1172	CACH	17.0	072	1	1	3	3	14	2		
1112	2253	440	1056	1113	PILA	23.8	064	1	1	6	6	14	3		
1112	2258	439	1086	1137	CACH	21.4	064	1	1	3	3	14	3		
0813	2385	639	0765	1204	PSME	94.0	083	1	1	1	1	14	2		
0813	2386	640	0778	1205	CACH	22.7	083	1	2	2	3	3	14	2	
0913	2387	669	0801	1231	CACH	17.0	082	1	125	2	1	3	3	14	2
0913	2388	668	0801	1236	PILA	19.6	082	1	1	6	6	14	2		
0913	2390	670	0802	1226	CACH	15.1	082	1	2	1	3	3	14	2	
0913	2391	675	0806	1204	PSME	21.0	083	1	25	1	1	14	2		
0913	2392	671	0807	1220	CACH	19.3	082	1	21	3	3	14	2		
0913	2394	672	0812	1213	PILA	18.2	082	1	3	6	6	14	2		
0913	2395	673	0812	1211	PILA	31.5	082	1	3	6	6	14	2		
0913	2396	674	0815	1211	PILA	46.4	082	1	3	6	6	14	2		
0913	2398	675	0824	1220	PILA	57.5	082	1	1	6	6	14	2		
0913	2404	677	0840	1216	CACH	18.1	082	1	2	2	3	3	14	2	
0913	2407	678	0852	1202	PILA	44.7	082	1	1	6	6	14	2		
0913	2411	679	0860	1205	CACH	17.0	082	1	2	2	3	3	14	2	
0913	2412	680	0862	1207	CACH	17.9	082	1	1	3	3	14	2		
0913	2413	682	0864	1212	CACH	19.5	082	1	1	3	3	14	2		
0913	2414	681	0864	1204	CACH	16.4	082	1	2	2	3	3	14	2	
0509	1636	987	0460	0895	PSME	112.2	154	1	106	1	1	1	14	2	

0509	1637	988	0460	0889	CACH	20.8	154	1	1	3	3	14	2	
0609	1642	506	0543	0896	CACH	15.4	155	1	081	1	3	3	14	2
0609	1643	505	0544	0899	PSME	67.0	155	1	1	1	1	14	2	
0609	1646	507	0568	0882	CACH	17.1	151	1	067	1	3	3	14	2
0609	1647	510	0573	0862	PILA	16.1	151	1	25	6	6	14	3	
0609	1648	508	0591	0891	CACH	17.4	159	1	213	1	3	3	14	3
0709	1651	834	0603	0874	CACH	16.1	159	1	1	3	3	14	3	
0709	1653	849	0608	0877	CACH	17.2	159	1	1	3	3	14	3	
0709	1655	836	0635	0866	CONU	17.3	159	1	21	8	5	14	3	
0709	1658	869	0679	0870	CACH	17.3	189	1	1	3	3	14	3	
0709	1660	853	0683	0883	TSHE	38.0	189	1	1	2	2	14	3	
0709	1661	873	0687	0870	CACH	19.1	189	1	1	3	3	14	3	
0709	1662	856	0688	0888	TSHE	30.7	189	1	1	2	2	14	3	
0709	1663	867	0689	0881	CACH	31.5	189	1	1	3	3	14	3	
0709	1665	855	0690	0895	TABR	29.2	189	1	2	5	7	4	14	3
0709	1667	851	0693	0889	TSHE	18.0	189	1	1	2	2	14	3	
0809	1682	774	0779	0861	PSME	134.7	191	1	182	25	1	1	14	3
0909	1685	729	0807	0862	CACH	17.4	191	1	2	2	3	3	14	3
0909	1686	730	0827	0866	PSME	128.0	191	1	1	1	1	14	3	
0510	1806	1230	0406	0936	PSME	79.0	097	1	1	1	1	14	2	
0510	1813	999	0471	0912	CACH	20.5	154	1	1	3	3	14	2	
0510	1814	994	0477	0956	CACH	19.4	096	1	1	3	3	14	2	
0510	1815	991	0480	0961	PSME	126.0	096	1	1	1	1	14	2	
0510	1816	996	0480	0941	CACH	16.4	154	1	1	3	3	14	2	
0510	1817	1000	0487	0910	PILA	60.6	154	1	1	6	6	14	2	
0510	1818	992	0490	0956	CACH	17.1	096	1	1	3	3	14	2	
0510	1819	993	0496	0952	CACH	23.5	096	1	1	3	3	14	2	
0610	1820	965	0505	0996	CACH	23.2	095	1	065	1	3	3	14	2
0610	1821	966	0510	0950	PSME	65.5	155	1	1	1	1	14	2	
0610	1822	504	0531	0902	PSME	124.4	155	1	23	1	1	14	2	
0610	1823	967	0547	0943	CACH	21.9	156	1	048	1	3	3	14	2
0610	1824	968	0556	0952	PSME	68.1	156	1	21	1	1	14	2	
0610	1825	969	0564	0955	PSME	79.4	156	1	1	1	1	14	2	
0610	1826	972	0566	0981	TSHE	21.4	157	1	081	1	2	2	14	2
0610	1827	501	0573	0932	PSME	89.2	156	1	1	1	1	14	2	
0610	1828	970	0580	0961	PSME	132.0	156	1	1	1	1	14	2	
0610	1829	973	0583	0990	PILA	28.9	157	1	1	6	6	14	2	
0610	1830	975	0583	0960	CACH	20.0	156	1	1	3	3	14	2	
0610	1831	971	0592	0975	CACH	16.9	157	1	1	3	3	14	2	
0610	1832	974	0597	0933	PSME	102.2	156	1	212	1	1	14	2	
0610	1833	503	0600	0905	CACH	17.5	159	1	1	3	3	14	2	
0610	1834	502	0600	0929	CACH	16.8	156	1	1	3	3	14	2	
0710	1835	372	0600	0989	CACH	29.3	157	1	2	2	3	3	14	2
0710	1836	866	0604	0919	CACH	21.2	157	1	3	3	3	14	2	
0710	1837	360	0610	0984	PSME	128.4	157	1	1	1	1	14	2	
0710	1838	859	0621	0976	CACH	15.5	157	1	1	3	3	14	2	
0710	1839	862	0622	0959	LIDE	62.9	159	1	1	9	4	14	2	
0710	1840	864	0626	0904	CACH	16.0	159	1	3	3	3	14	2	
0710	1841	352	0634	0927	PSME	105.6	159	1	1	1	1	14	2	
0710	1842	873	0640	0996	CACH	25.7	168	1	057	1	3	3	14	2
0710	1843	865	0642	0964	CACH	17.0	159	1	21	3	3	14	2	
0710	1844	863	0665	0996	CACH	16.2	168	1	25	3	3	14	2	
0710	1845	858	0666	0981	PSME	101.3	159	1	1	1	1	14	2	
0710	1846	753	0663	0939	CACH	16.7	159	1	1	3	3	14	2	

0710	1847	767	0660	0903	CACH	23.1	189	1	1	3	3	14	2	
0710	1848	857	0670	0973	CACH	17.3	159	1	1	3	3	14	2	
0710	1849	751	0673	0916	PSME	21.3	189	1	1	1	1	14	2	
0710	1850	875	0680	0987	CACH	21.6	169	1	059	25	3	3	14	2
0710	1851	750	0680	0915	CONU	15.7	189	1	21	8	5	14	2	
0810	1852	759	0706	0993	PSME	103.6	189	1	1	1	1	14	2	
0810	1853	754	0707	0981	PSME	151.4	169	1	1	1	1	14	2	
0810	1854	758	0720	0927	PSME	115.0	189	1	1	1	1	14	2	
0810	1855	755	0739	0974	TABR	28.8	188	1	061	22	7	4	14	2
0810	1856	760	0747	0906	CACH	20.0	191	1	1	3	3	14	2	
0810	1857	761	0754	0904	CACH	16.8	191	1	1	3	3	14	2	
0810	1858	753	0782	0989	PSME	129.8	187	1	030	1	1	1	14	2
0810	1859	756	0796	0963	PSME	16.5	190	1	048	1	1	1	14	2
0810	1860	757	0791	0917	PSME	22.0	191	1	1	1	1	14	2	
0910	1861	718	0802	0903	CACH	21.4	191	1	1	3	3	14	3	
0910	1862	723	0804	0954	TSHE	42.9	190	1	1	2	2	14	2	
0910	1863	722	0805	0958	TSHE	27.0	190	1	1	2	2	14	2	
0910	1864	719	0816	0900	CACH	24.2	191	1	1	2	3	3	14	3
0910	1865	728	0822	0976	PSME	15.1	172	1	168	1	1	1	14	2
0910	1866	720	0830	0952	CACH	25.2	191	1	1	3	3	14	2	
0910	1867	721	0835	0958	PSME	135.1	191	1	1	2	1	1	14	2
0910	1868	724	0836	0997	CACH	17.8	172	1	1	3	3	14	2	
0910	1869	727	0845	0905	ACMA	18.6	203	1	104	1	5	5	14	3
0910	1870	725	0873	0958	ACMA	29.7	185	1	039	1	5	5	14	3
0910	1871	726	0895	0920	PSME	15.9	203	1	1	1	1	14	3	
1010	1872	486	0902	0942	ACMA	19.4	184	6	051	25	5	5	14	3
1010	1873	469	0907	0908	PSME	145.7	204	1	2	2	1	1	14	3
1010	1874	295	0906	0946	ACMA	22.7	184	6	1	5	5	14	3	
1010	1875	397	0915	0979	PSME	139.0	184	6	1	1	1	14	3	
1010	1876	496	0919	0960	CACH	17.4	184	6	1	3	3	14	3	
1010	1877	488	0931	0951	PSME	18.4	183	6	089	1	1	1	14	3
1010	1878	364	0934	0980	ACMA	18.2	184	6	1	5	5	14	3	
1010	1879	394	0937	0960	ACMA	22.9	184	6	1	5	5	14	3	
0107	1047	485	0003	0654	CACH	18.5	108	1	058	1	3	3	15	3
0107	1048	474	0016	0683	PSME	18.8	108	1	1	1	1	15	2	
0107	1049	483	0032	0652	TSHE	17.2	107	1	042	1	2	2	15	3
0107	1050	484	0036	0641	CACH	19.6	107	1	1	3	3	15	3	
0107	1051	482	0037	0650	TSHE	21.8	107	1	1	2	2	15	3	
0107	1052	476	0040	0678	PSME	24.1	107	1	1	1	1	15	2	
0107	1053	481	0054	0648	PSME	17.2	107	1	1	1	1	15	3	
0107	1054	486	0058	0614	PSME	103.1	164	1	1	1	1	15	3	
0107	1055	477	0063	0675	PSME	23.4	107	1	1	1	1	15	2	
0107	1056	475	0071	0647	TSHE	41.7	109	1	069	1	2	2	15	3
0107	1057	478	0077	0676	PSME	22.9	109	1	1	1	1	15	2	
0107	1058	479	0083	0664	PSME	19.1	109	1	1	1	1	15	2	
0107	1059	480	0086	0645	PSME	19.6	109	1	1	1	1	15	3	
0107	1060	487	0092	0625	PSME	17.0	109	1	1	1	1	15	3	
0207	1061	352	0105	0640	PSME	16.3	109	1	25	1	1	15	3	
0207	1062	331	0108	0613	PSME	15.2	109	1	1	1	1	15	3	
0207	1063	353	0109	0629	PSME	32.4	109	1	1	1	1	15	3	
0207	1064	355	0117	0632	PSME	23.6	109	1	25	1	1	15	3	
0207	1065	345	0118	0683	PSME	102.9	111	1	037	1	1	1	15	2
0207	1066	333	0125	0619	PSME	19.0	109	1	1	1	1	15	3	
0207	1067	346	0130	0661	PSME	15.9	110	1	077	1	1	1	15	2

0207	1068	351	0133	0615	PSME	25.5	109	1		1	1	1	15	3	
0207	1069	350	0141	0609	PSME	25.2	109	1		1	1	1	15	3	
0207	1070	348	0156	0651	TABR	25.7	110	1		2	2	7	4	15	3
0207	1071	335	0165	0678	PSME	79.5	114	1	044	21		1	1	15	2
0207	1072	342	0170	0672	CACH	18.4	114	1		2	2	3	3	15	2
0207	1073	349	0183	0614	CACH	18.3	121	1	036	2	2	3	3	15	3
0207	1074	347	0183	0624	PSME	115.9	121	1		314		1	1	15	3
0207	1075	334	0191	0676	PSME	118.5	119	1	034	21		1	1	15	2
0307	1076	340	0204	0641	CACH	29.4	121	1		2	2	3	3	15	3
0307	1077	339	0206	0647	PSME	66.3	121	1		314		1	1	15	3
0307	1078	336	0209	0675	CACH	19.9	119	1		2	2	3	3	15	2
0307	1079	338	0210	0629	PSME	70.6	121	1		314		1	1	15	3
0307	1080	343	0213	0678	CACH	22.2	119	1		2	2	3	3	15	2
0307	1081	337	0216	0628	CACH	15.0	122	1		2	2	3	3	15	3
0307	1082	341	0226	0650	CACH	18.6	122	1		2	2	3	3	15	3
0307	1083	344	0227	0659	CACH	17.5	122	1		2	2	3	3	15	3
0307	1084	330	0238	0695	PSME	61.9	120	1		212		1	1	15	2
0307	1085	216	0261	0691	CACH	24.7	125	1	039	2	2	3	3	15	2
0307	1086	332	0280	0638	CACH	26.2	124	1	120	2	2	3	3	15	3
0307	1087	218	0286	0697	CACH	16.6	124	1		2	2	3	3	15	2
0307	1088	217	0289	0692	CACH	20.5	124	1		2	2	3	3	15	2
0407	1090	1145	0338	0697	TSHE	45.0	132	1	047	1		2	2	15	2
0407	1092	1127	0348	0688	PSME	116.6	132	1		1		1	1	15	2
0407	1093	1134	0357	0696	CACH	19.3	132	1		1		3	3	15	2
0407	1095	1142	0393	0693	TSHE	18.8	136	2	063	1		2	2	15	2
0108	1321	468	0049	0752	PSME	64.8	104	1	163	1		1	1	15	2
0108	1322	467	0057	0711	PSME	106.9	105	1	020	1		1	1	15	2
0108	1323	470	0059	0765	CACH	15.5	104	1		1		3	3	15	2
0108	1324	469	0067	0760	PSME	82.8	104	1		1		1	1	15	2
0108	1325	471	0071	0761	CACH	16.3	104	1		1		3	3	15	2
0108	1326	473	0079	0791	CACH	17.2	104	1		1		3	3	15	2
0208	1327	412	0121	0707	PSME	130.0	111	1		1		1	1	15	2
0208	1328	425	0126	0789	PSME	84.8	104	1		1		1	1	15	2
0208	1329	424	0135	0782	CACH	19.8	104	1		1		3	3	15	2
0208	1330	423	0137	0795	PSME	66.5	104	1		1		1	1	15	2
0208	1331	422	0163	0795	CACH	32.0	104	1		1		3	3	15	2
0208	1332	413	0177	0767	PILA	118.4	115	1	046	1		6	6	15	2
0208	1333	421	0182	0781	CACH	19.1	115	1		1		3	3	15	2
0208	1334	419	0184	0794	CACH	19.6	115	1		1		3	3	15	2
0208	1335	414	0189	0760	CACH	16.3	115	1		1		3	3	15	2
0208	1336	411	0189	0723	PSME	45.0	114	1		1		1	1	15	2
0308	1337	409	0200	0720	TSHE	50.0	118	1	033	1		2	2	15	2
0308	1338	415	0202	0744	CACH	16.3	116	1	022	1		3	3	15	2
0308	1339	418	0206	0797	CACH	19.8	115	1		1		3	3	15	2
0308	1340	416	0208	0749	PSME	106.9	116	1		1		1	1	15	2
0308	1341	417	0213	0797	PILA	55.2	115	1		1		6	6	15	2
0308	1342	420	0226	0771	PSME	130.6	117	1	036	1		1	1	15	2
0308	1343	406	0236	0719	PSME	83.1	118	1		1		1	1	15	2
0308	1344	407	0237	0712	CACH	16.8	118	1		1		3	3	15	2
0308	1345	408	0239	0709	CACH	17.3	118	1		1		3	3	15	2
0308	1346	402	0260	0747	PSME	82.3	117	1		1		1	1	15	2
0308	1347	403	0261	0741	CACH	24.1	117	1		1		3	3	15	2
0308	1348	404	0271	0728	CACH	16.0	125	1		2	2	3	3	15	2
0308	1349	401	0280	0790	CACH	19.3	126	1	091	1		3	3	15	2

0308	1350	405	0284	0715	PSME	135.1	125	1	1	1	1	15	2	
0408	1351	1157	0301	0760	CACH	26.2	126	1	1	3	3	15	2	
0408	1352	1131	0305	0722	PSME	103.4	131	1	052	1	1	1	15	2
0408	1353	1165	0309	0712	CACH	18.5	131	1	1	3	3	15	2	
0408	1354	1148	0321	0716	CACH	18.8	131	1	1	3	3	15	2	
0408	1355	1137	0342	0741	PSME	107.7	131	1	1	1	1	15	2	
0408	1356	1138	0343	0725	PSME	99.6	131	1	2	2	1	1	15	2
0408	1357	1140	0363	0750	CACH	20.1	130	1	087	1	3	3	15	2
0408	1358	1160	0368	0707	TABR	24.4	131	1	3	7	4	15	2	
0408	1359	1141	0375	0727	TSHE	15.5	130	1	1	2	2	15	2	
0408	1360	1129	0382	0772	CACH	17.5	130	1	1	3	3	15	2	
0408	1361	1139	0393	0760	CACH	15.2	130	1	1	3	3	15	2	
0408	1362	1162	0400	0715	CACH	18.5	130	1	1	3	3	15	2	
0408	1363	1130	0400	0726	CACH	17.5	130	1	3	3	3	15	2	
0508	1364	977	0428	0762	CACH	16.4	137	1	106	1	3	3	15	2
0508	1365	976	0428	0750	PSME	128.0	137	1	1	1	1	15	2	
0508	1366	925	0440	0722	PSME	113.0	137	1	1	1	1	15	2	
0508	1367	979	0446	0796	CACH	16.2	137	1	1	3	3	15	2	
0508	1368	978	0456	0778	PSME	112.5	147	1	055	21	1	1	15	2
0508	1369	980	0472	0784	PSME	126.0	147	1	2	2	1	1	15	2
0508	1370	981	0477	0757	PSME	85.8	147	1	1	1	1	15	2	
0508	1371	923	0481	0717	PSME	57.2	137	1	2	1	1	1	15	2
0508	1372	924	0481	0742	PSME	47.2	137	1	1	1	1	15	2	
0508	1373	982	0484	0787	TSHE	15.5	147	1	1	2	2	15	2	
0608	1374	521	0508	0760	PSME	15.3	148	2	1	1	1	15	2	
0608	1377	517	0527	0783	PSME	75.8	148	2	2	2	1	1	15	2
0608	1380	516	0530	0795	PSME	17.2	148	2	1	1	1	15	2	
0109	1579	465	0082	0814	PSME	80.5	104	1	1	1	1	15	2	
0109	1580	466	0085	0819	CACH	17.1	104	1	1	3	3	15	2	
0209	1581	452	0110	0823	CACH	20.1	104	1	1	3	3	15	2	
0209	1582	454	0127	0810	CACH	19.3	104	1	1	3	3	15	2	
0209	1583	453	0131	0813	CACH	21.1	104	1	1	3	3	15	2	
0209	1584	455	0139	0826	CACH	20.1	104	1	1	3	3	15	2	
0209	1585	459	0140	0829	CACH	15.7	104	1	1	3	3	15	2	
0209	1586	458	0143	0828	CACH	22.1	104	1	1	3	3	15	2	
0209	1587	457	0146	0827	CACH	19.3	104	1	1	3	3	15	2	
0209	1588	460	0161	0832	PSME	118.6	103	1	131	1	1	1	15	2
0209	1589	461	0172	0834	PSME	121.7	103	1	1	1	1	15	2	
0209	1590	462	0178	0820	CACH	16.8	103	1	1	3	3	15	2	
0209	1591	463	0185	0824	CACH	22.6	103	1	1	3	3	15	2	
0209	1592	464	0192	0826	PSME	84.1	103	1	1	1	1	15	2	
0309	1593	444	0203	0815	CACH	21.6	103	1	1	3	3	15	2	
0309	1594	443	0212	0806	TSHE	15.2	103	1	1	2	2	15	2	
0309	1595	441	0216	0808	TSHE	32.3	103	1	1	2	2	15	2	
0309	1596	437	0223	0857	PSME	104.4	103	1	1	1	1	15	2	
0309	1597	439	0224	0830	CACH	18.5	103	1	1	3	3	15	2	
0309	1598	438	0228	0859	CACH	18.8	103	1	1	3	3	15	2	
0309	1599	436	0233	0852	PSME	80.5	103	1	1	1	1	15	2	
0309	1600	442	0235	0812	CACH	17.0	103	1	1	3	3	15	2	
0309	1601	440	0241	0815	PSME	100.8	103	1	1	1	1	15	2	
0309	1602	435	0245	0862	CACH	16.5	102	2	070	1	3	3	15	2
0309	1603	445	0248	0808	CACH	16.3	103	1	1	3	3	15	2	
0309	1604	434	0251	0878	TSHE	19.0	102	2	1	2	2	15	2	
0309	1605	431	0259	0870	CACH	23.1	102	2	1	3	3	15	2	

0309	1606	432	0260	0860	PSME	95.5	102	2	1	1	1	15	2		
0309	1607	448	0260	0808	PSME	101.6	103	1	1	1	1	15	2		
0309	1603	430	0264	0879	TSHE	20.6	102	2	25	2	2	15	2		
0309	1603	427	0265	0874	TSHE	18.5	102	2	25	2	2	15	2		
0309	1610	433	0266	0848	PSME	75.2	102	2	1	1	1	15	2		
0309	1611	451	0270	0843	CACH	20.8	102	2	1	3	3	15	2		
0309	1612	447	0275	0821	CACH	16.8	103	1	1	3	3	15	2		
0309	1613	449	0276	0826	CACH	16.3	103	1	1	3	3	15	2		
0309	1614	446	0279	0812	CACH	16.5	103	1	1	3	3	15	2		
0309	1615	450	0285	0830	CACH	25.7	103	1	1	3	3	15	2		
0309	1616	429	0285	0882	TSHE	16.5	102	2	1	2	2	15	2		
0309	1617	428	0286	0886	TSHE	47.0	102	2	1	2	2	15	2		
0309	1618	426	0290	0889	TSHE	28.4	102	2	1	2	2	15	2		
0409	1619	1172	0306	0848	CACH	17.3	128	1	114	1	3	3	15	2	
0409	1620	1161	0308	0820	PSME	70.6	128	1	1	1	1	15	2		
0409	1621	1170	0318	0841	CACH	23.4	128	1	1	3	3	15	2		
0409	1622	1174	0308	0860	TSHE	17.3	128	1	3	2	2	15	2		
0409	1623	1158	0315	0863	PSME	90.4	128	1	1	1	1	15	2		
0409	1624	1159	0316	0882	TSHE	30.5	099	2	050	1	2	2	15	2	
0409	1625	1155	0318	0885	TSHE	25.4	099	2	1	2	2	15	2		
0409	1625	1154	0325	0869	TSHE	45.0	128	1	1	2	2	15	2		
0409	1627	1164	0331	0899	PSME	111.8	099	2	1	1	1	15	2		
0409	1628	1171	0343	0832	CACH	25.9	128	1	1	3	3	15	2		
0409	1629	1153	0342	0804	CACH	17.5	128	1	1	3	3	15	2		
0409	1630	1173	0353	0815	CACH	22.4	128	1	1	3	3	15	2		
0409	1631	1163	0377	0896	PSME	108.2	100	2	054	1	1	1	15	2	
0409	1632	1152	0381	0805	PSME	110.7	129	1	063	1	1	1	15	2	
0409	1633	1167	0395	0858	PSME	121.6	129	1	1	1	1	15	2		
0509	1634	986	0417	0898	PSME	107.7	100	2	1	1	1	15	2		
0509	1635	985	0442	0865	CACH	26.2	153	1	113	1	3	3	15	2	
0509	1633	984	0460	0840	CACH	17.5	153	1	1	3	3	15	2		
0509	1639	983	0475	0823	PILA	14.8	152	1	072	22	6	6	15	2	
0609	1640	511	0506	0857	CACH	17.4	152	1	1	3	3	15	2		
0609	1641	513	0529	0822	PILA	16.8	148	2	22	6	6	15	2		
0609	1644	512	0543	0820	CACH	15.7	148	2	1	3	3	15	2		
0510	1807	1237	0410	0935	CACH	21.2	097	1	1	3	3	15	2		
0510	1803	989	0439	0909	CACH	18.9	097	1	1	3	3	15	2		
0510	1809	990	0458	0960	PSME	97.8	097	1	045	2	2	1	1	15	2
0510	1810	995	0460	0945	CACH	25.0	097	1	1	3	3	15	2		
0510	1811	998	0466	0925	CACH	20.3	154	1	1	3	3	15	2		
0510	1812	997	0471	0934	CACH	18.8	154	1	1	3	3	15	2		
0106	824	489	0026	0593	PSME	120.4	164	1	101	1	1	1	15	3	
0106	825	499	0031	0548	PSME	20.3	164	1	1	1	1	15	3		
0106	826	490	0032	0567	PSME	21.6	164	1	1	1	1	15	3		
0106	827	472	0042	0559	PSME	19.3	164	1	25	1	1	15	3		
0106	828	488	0050	0598	CACH	16.5	164	1	2	1	3	3	15	3	
0106	829	491	0053	0574	TSHE	32.0	164	1	1	2	2	15	3		
0106	830	498	0058	0551	PSME	19.0	164	1	1	1	1	15	3		
0106	831	500	0060	0523	PSME	95.3	357	3	072	1	1	1	15	3	
0106	832	492	0065	0574	PSME	22.9	164	1	1	1	1	15	3		
0106	833	497	0067	0556	PSME	21.3	164	1	25	1	1	15	3		
0106	834	493	0070	0568	TSHE	17.0	164	1	1	2	2	15	3		
0106	835	496	0087	0517	PSME	119.4	356	1	077	1	1	1	15	3	
0106	836	495	0089	0532	CACH	22.6	165	1	084	2	2	3	3	15	3

0106	837	494	0089	0547	CACH	23.9	165	1	1	3	3	15	3	
0206	838	317	0102	0557	PSME	22.4	165	1	1	1	1	15	3	
0206	839	316	0102	0564	PSME	21.3	165	1	1	1	1	15	3	
0206	840	315	0106	0572	PSME	23.4	165	1	1	1	1	15	3	
0206	841	314	0116	0591	PSME	30.7	165	1	1	1	1	15	3	
0206	842	215	0126	0583	PSME	15.5	165	1	1	1	1	15	3	
0206	843	214	0127	0587	PSME	20.1	165	1	1	1	1	15	3	
0206	844	318	0131	0551	CACH	26.1	356	1	1	3	3	15	3	
0206	845	301	0135	0594	PSME	17.3	165	1	1	1	1	15	3	
0206	846	319	0137	0557	PSME	109.5	356	1	1	1	1	15	3	
0206	847	219	0140	0598	PSME	16.0	165	1	1	1	1	15	3	
0206	848	320	0146	0516	PSME	134.1	355	1	21	1	1	15	3	
0206	849	324	0148	0594	PSME	17.3	165	1	1	1	1	15	3	
0206	850	325	0158	0576	PSME	16.8	165	1	1	1	1	15	3	
0206	851	321	0181	0558	PSME	85.1	355	1	1	1	1	15	3	
0306	852	322	0219	0555	CACH	17.5	352	1	047	1	3	3	15	3
0306	853	329	0223	0545	CACH	22.6	352	1	1	3	3	15	3	
0306	854	323	0230	0550	PSME	87.1	352	1	1	1	1	15	3	
0306	855	326	0254	0580	TSHE	29.5	166	6	044	1	2	2	15	3