Southwest Florida Water Management District

WATER USE PERMIT
INFORMATION MANUAL

PART D
REQUIREMENTS FOR THE ESTIMATION OF PERMANENT AND TEMPORAL SERVICE AREA POPULATIONS

January 20, 2009

List of Acronyms and Definitions

CGRUPPOP - Census group quarters population (both institutionalized and non-institutionalized) - data from the most recent decennial Census (2000 Census SF1 File, Variable P027024/American Factfinder Table P27, or equivalent data for subsequent Census)

CHH - Census (number of) households - data from the most recent decennial Census (2000 Census SF1 File, Variable P015001/American Factfinder Table P15, or equivalent data for subsequent Census)

CHOUSUNITS - Census total housing units - data from the most recent decennial Census (2000 Census SF1 File, Variable H001001/American Factfinder Table H1, or equivalent data for subsequent Census)

CPOPNHH - Census population in households - data from the most recent decennial Census (2000 Census SF1 File, Variable P016001/American Factfinder Table P16, or equivalent data for subsequent Census)

FNETCOM - functional net commuter population of the service area for the year of interest

FSEASPOP - functional seasonal resident population for the year of interest - the estimated population of part time residents, not tourists, that has been adjusted for length of stay in the service area

FTOURPOP - functional tourist population for the year of interest - the estimated average annual number of tourists in the service area per day

GRUPPOP - group quarters population for the year of interest - the estimated group quarters population of the service area

GEOGRAPHIC ZIP CODES - are ZIP Codes exclusive of unique business or institutional ZIP Codes and cover a geographic delivery area. Census ZIP Code Tabulation Areas (ZCTAs) are approximately equivalent to Geographic ZIP Codes. Where new Geographic ZIP Codes have been created since the Census, District-provided data will direct to the appropriate ZCTA

PERMPOP - permanent resident population for the year of interest - the estimated permanent resident population of the service area (not including group quarters population) that does not reside outside the service area for a portion of the year

PERMPPH - permanent resident persons-per-household - the calculated number of persons per household based on Census data or survey for the selected Census geographies

REQPOP - total required functional population for the year of interest - the estimated permanent resident, functional seasonal resident, and group quarters service area population required to be submitted to the District on an annual basis

RESUNITS – average residential account housing units for the year of interest - the number of residential housing units served in the retail service area in January and December of the year of interest divided by two

SEASADJ - seasonal resident adjustment factor - a factor based on length of stay that converts the peak seasonal resident population to a functional year-round resident

SEASHH - Census year seasonal households - an estimate of the number of households in the Census geographies chosen to represent the service area that are seasonal in the Census year

SEASONAL RESIDENTS - typically live away from their service area residence for three or more months of the year. While residing in the service area, they reside in private residences - not licensed public lodging

SEASPKPOP - seasonal resident peak population for the year of interest - an estimate of the number of seasonal residents served during the first quarter of the year for the year of interest

SEASPPH - seasonal resident persons-per-household - an estimate of the number of persons living in a seasonal residence household - default value (1.95) or developed from a service area survey

SEASPROP - seasonal proportional residence time - the portion of the year spent in the service area be seasonal residents - one of two default values or developed from a service area survey

SEASRR - peak seasonal resident ratio - the estimated ratio of peak (first quarter) seasonal resident and permanent resident population to permanent resident population - using District-provided or service area survey-developed data

SEAS/TOTHH - an estimate of the ratio of seasonal households to total households for the service area in the Census year

SMALL UTILITY - A utility that has a population of less than 25,000 based on the sum of the census population in households within census blocks wholly or partially within the utility's service area

YEAR OF INTEREST - The year for which the population is being determined

ZCTA - Census ZIP Code Tabulation Area - a Census area designation approximately equivalent to geographic ZIP Codes that existed at the time of the most recent decennial Census for which Census data are aggregated and tabulated

1.0 Introduction

The calculation of per capita water use requires an estimate of the total retail water service area functional population. The required functional population includes permanent residents, seasonal residents and group quarters population only. Adding the functional tourist and net commuter population to the required functional population is optional. Data sources, more detailed explanations, and examples of calculations may be found in the appendices to this document. All calculations and documentation shall be conducted and provided in accordance with the provisions of this document, including those found in the appendices.

This methodology involves the creation of a number of demographic ratios from Census or survey data that are appropriate to the service area. The ratios, such as persons-per-household, or duration of seasonal residency, are then applied to the year of interest housing units and/or population served to estimate year of interest service area populations.

If the service area did not exist at the time of the most recent decennial Census, the permittee must conduct a survey, consistent with the provisions of Appendix B of this document to determine seasonal and permanent population served. Data collected must include both seasonal and permanent households, seasonal and permanent persons-per-household, and seasonal resident household length of stay.

The District maintains updated default values as the data sources are updated. Permittees may choose to use these updated default values when estimating their functional population or may use existing default values until the updated default values are adopted by rule.

2.0 Required Permanent and Seasonal Resident Population Estimates

This is a modified dwelling unit methodology that uses utility provided residential account data and divides the served dwelling units into permanent and seasonal households based on Census data and District-provided seasonality data or permittee-developed survey data. The seasonal resident population is converted to a functional population by adjusting for length of stay. Worksheet B summarizes the total functional population, including optional populations, using data and calculations from other worksheets. Worksheet B is completed in steps as other worksheets are completed.

The general formula for calculating the required functional population for the year of interest (REQPOP) is as follows.

REQPOP = PERMPOP + FSEASPOP + GRUPPOP

Where:

PERMPOP is the permanent resident population for the year of interest;

FSEASPOP is the functional seasonal resident population in the year of interest; and, GRUPPOP is the group quarters population for the year of interest.

2.1 Complete Worksheet A (Residential Account Housing) using connections data for the year for which the service area population is being estimated (the year of interest). Sum the individually metered residences (A) and either the sums of the equivalent master metered residential account units (E) or the sums of the counted master metered residential units (F) at the bottom of the worksheet (G). Enter the total residential account housing units under "RESUNITS" in Section 1 of Worksheet B: (Service Area Summary). Note: Worksheet B is completed in steps as other worksheets are completed.

2.2 Complete Worksheet C (Households & Group Quarters) by selecting the appropriate Census blocks and data to represent the retail water service area. Data shall be collected for blocks totally within and partially within the service area. The selection of Census blocks and data must be in accordance with Section 2.1 of Appendix A. Data sources are provided in Section 2.2 of Appendix A. Census geography identifier and county codes are defined in Section 2.3 of Appendix A. For each selected block, enter the following most recent Census data.

   a. Census county name or code
   b. Census tract number
   c. Census block number
   d. Census Population in Households (CPOPNHH)
   e. Census Households (CHH)
   f. Census Group Quarters Population (CGRUPPOP)
   g. Census Housing Units (CHOUSUNITS)

Sum the data for CPOPNHH, CHH and CGRUPPOP and enter the appropriate sums under "CPOPNHH", "CHH", "CGRUPPOP", and "CHOUSUNITS" in Section 2 of Worksheet B. Utilities with large numbers of Census blocks in the service area may submit an electronic file such as a spreadsheet or the output of a database or statistical analysis software in lieu of Worksheet C so long as the utility and Census geographies are clearly identified, the same data are reported, and the data are clearly labeled.

2.3 Complete Worksheet D (Peak Seasonal Resident Ratio): Complete Part I of the Worksheet if using District provided seasonal population data. District data are provided by Geographic ZIP Code. See Section 3 of Appendix A for detailed information. Complete Part II of the worksheet if using survey-generated seasonality data. If survey-generated seasonality data is used it must be used everywhere that it is applicable and it may not be combined with District provided data.

Survey-generated data must be developed in accordance with the provisions of Appendix B. Prior to completing Worksheet D, either Worksheet E (Partial ZCTAs) or Worksheet F (Small Service Area ZCTAs) will need to be completed if using District-provided data and there are

ZCTAs partially within the service area. Subsection a. below addresses the use of District-provided data. Subsection b. below addresses the use of survey-generated data.

    a. District-Provided Seasonal and Permanent Resident Population Data: Estimated Census year peak seasonal and permanent resident population by ZCTA are available from the District's website or, if access to the website is not available or sufficient, from the District's Planning Department, for the calculation of the SEASRR.   Compare the service area to Geographic ZIP Code or ZCTA maps. See Section 3.2.1 of Appendix A for ZCTA map sources if not using geographic mapping software. Census ZCTAs are generally congruent with Geographic ZIP Codes. Where they are not, the District has assigned such new Geographic ZIP Codes to appropriate ZCTAs. Select the appropriate ZCTAs to represent the retail water service area in accordance with the provisions of Section 3.2.2 of Appendix A. Data from ZCTAs that are completely within the service area shall be utilized in the calculation of the SEASRR. If a service area is entirely within a ZCTA, then only the data from that ZCTA shall be used in the calculation of the SEASRR. For ZCTAs that are partially within the service area, any utility may use the 34% housing unit selection criteria described in i. below and Section 3.2.3 of Appendix A. Only small utilities may use the billing ZIP Code analysis methodology described in ii., below, and Section 3.2.4 of Appendix A.

    i. 34% Housing Unit ZCTA Selection Criteria: For those using the 34% selection method to determine whether ZCTAs that are partially in the service area must be included, complete Worksheet E by entering the ZCTA number, and then the total Census number of housing units (CHOUSUNITS) in the ZCTA under "A". See Section 3.2.3 of Appendix A for Census housing unit data sources. Enter the number of Census housing units for each Census block that is both in the service area and the ZCTA under "B". If the sum of the housing units from blocks both in the service area and the ZCTA ("C") divided by the total the total housing units in the ZCTA ("A") is equal to or greater than 0.34, then the estimated seasonal and permanent resident data from that ZCTA shall be used in the calculation of the SEASRR on Worksheet D (along with data from any ZCTAs that are wholly within the service area).

    ii. Small Service Area Billing ZIP Code Selection Criteria: Small service area utilities (less than 25,000 in Census population in households - CPOPNHH) may elect to select partial ZIP Codes in accordance with Section 3.2.4 of Appendix A. Complete Worksheet F (Small Service Area ZCTAs) to determine which, if any, ZIP Codes partially within the service area should be included in the analysis in Worksheet D.

Once the ZIP Codes/ZCTAs have been selected to represent the service area using the criteria above, obtain the corresponding Census year seasonal and permanent resident data from the District's website or Planning Department for each ZCTA, enter the required data into Part 1 of Worksheet D, and sum the average annual 3rd quarter admissions, the estimated seasonal resident populations and the Census permanent populations. Then calculate the SEASRR in accordance with the formula at the bottom of Part 1 in Worksheet D. Enter the calculated ratio under the SEASRR in section 5 of Worksheet B.

b. Survey-Determined Seasonal and Permanent Resident Population Data: If a survey has been conducted in accordance with the requirements of Appendix B, the following data shall be entered into the data fields of Part 2 of Worksheet D (see Section 3.2.6 of Appendix A).

    i.   Total number of seasonal household surveys returned (A),
    ii. Total persons in households reported as seasonal (B),
    iii. Total number of months seasonal residents reside in service area (C),
    iv. Total number of permanent household surveys returned (D),
    v. Total number of persons in households reported as permanent (E).

In Worksheet D Part 2 calculate the SEASPPH (Seasonal Resident Persons per Household) according to the formula provided and enter the results under the "Optional" SEASPPH in Section 4 of Worksheet B. Calculate the PERMPPH (Permanent Resident Persons Per Household) according to the formula provided and enter the results under the "Optional" PERMPPH in Section 3 of Worksheet B. Calculate the SEASPROP (Seasonal Proportional Residence Time) according to the formula and enter the results under the "Optional" SEASPROP in Section 10 of Worksheet B.

2.4 Unless a survey has been conducted as discussed in 2.3 b. above, calculate the Census data PERMPPH (Permanent Resident Persons Per Household) according to the formula in Section 3 of Worksheet B and enter the answer under "Census" PERMPPH.

2.5 Unless a survey has been conducted as discussed in 2.3 b. above, enter the default value of 1.95 under "Default" SEASPPH in Section 4 of Worksheet B.

2.6 Calculate the SEASHH (Census Year Seasonal Households) as indicated in Section 6 of Worksheet B.

2.7 Calculate the SEAS/TOTHH (Seasonal Households to Total Households Ratio) as indicated in Section 7 of Worksheet B or enter the survey data from Worksheet D Part 2.

2.8 Calculate the SEASPKPOP (Seasonal Resident Peak Population for the Year of Interest) as indicated in Section 8 of Worksheet B.

2.9 Calculate the PERMPOP (Permanent Resident Population for the Year of Interest) as indicated in Section 9 of Worksheet B.

2.10 Enter the appropriate SEASPROP (Seasonal Proportional Residence Time) value as follows in Section 10 of Worksheet B.

Beach Destination County Default (Charlotte, Manatee, Pinellas & Sarasota) = 0.442,

Non-Beach Destination County Default (all other District Counties) = 0.567, or

Survey-derived value calculated in Section 2.3 b. above.

Note: If survey-derived values developed in Part 2 of Worksheet D are used in any calculation they must be used in all applicable calculations.

2.11 Calculate the SEASADJ (Seasonal Resident Adjustment Factor) as indicated in Section 11 of Worksheet B.

2.12 Calculate the FSEASPOP (Functional Seasonal Resident Population for the Year of Interest) as indicated in Section 12 of Worksheet B.

2.13 Calculate the GRUPPOP (Group Quarters Population for the Year of Interest) as indicated in Section 13 of Worksheet B.

2.14 Calculate the REQPOP (Total Required Functional Population for the Year of Interest as indicated in 14 of Worksheet B.

3.0 <u>Optional Functional Tourist Population</u>

Complete Worksheet G (Functional Tourist Population) in accordance with the provisions of Section 5 of Appendix A. Complete Part 1 (Public Lodging Direct Data Method) or Part 2 (Tourist Lodging Tax Method) of Worksheet G. The ability to use the Part 2 methodology depends on the availability of tourist accommodations tax data for an area approximately congruent with the service area. If such tax data are not available, then the Part 1 methodology must be used to estimate tourists in public accommodations. Public lodging tourist population shall not be calculated under both Part 1 and Part 2. Part 3 is used to estimate the "In-home" tourist population component – tourists who stay with friends or family rather than at public lodging. Part 3 tourist populations may be added to Part 1 or Part 2 tourist populations.

3.1 Completion of Worksheet G - Part 1 (Public Lodging Direct Data Method)

In Section a. of Part 1, insert the number of rooms in each of the public lodging facilities identified as being in the retail water service area. Total the number of rooms in the service area under "A". See Section 5.1.1 of Appendix A for lodging rooms inventory data sources.

In Section b. of Part 1, insert monthly occupancy rates from utility lodging customer surveys or other sources described in Section 5.1.2 of Appendix A. Sum the rates and calculate an average annual monthly occupancy rate as indicated in the formula.

In Section c. of Part 1, select the default average guests per room for a coastal beach destination county (Charlotte, Manatee, Pinellas, and Sarasota Counties only) or all other counties, or a

survey or other source with appropriate documentation. Enter the selected value under "E". See Section 5.1.3 of Appendix A.

In Section d. of Part 1, calculate the total daily public lodging population as indicated in the equation and enter the result under "F".

3.2 Completion of Worksheet G – Part 2 (Tourist Lodging Tax Method)

In Section a. of Part 2, enter the monthly or average monthly (annual divided by 12) tourist accommodations tax collections and the tourist accommodations tax rate for the area approximately congruent with the retail service area. See Section 5.2 of Appendix A for information on tax data availability and average daily room rates. The tax rate should be entered for each month even if the rate does not change. Calculate the monthly room revenue as indicated in the formula. Next enter the average daily room rate for each month or the average annual daily room rate. Next, calculate the total room days per month as indicated in equation. Sum the monthly room days and enter the result under "L".

In Section b. of Part 2, select the average guests per room as in Section c. of Part 1. Enter the selected value under "M". See Section 5.1.3 of Appendix A for information on values.

In Section c. of Part 2, calculate the tourist tax estimated tourist daily population as indicated in the formula. Enter the results under "N".

3.3 Completion of Worksheet G – Part 3 (In-Home Tourist Population)

The data required to complete Part 3 is likely only available from a survey of utility customers and calculated as shown in the example in Section 5.3 of Appendix A. From such documented calculations, enter the average in-home tourist days per household per year under "O". Copy the number of residential account housing units for the year of interest (RESUNITS) from the bottom of Worksheet A and enter under "P" in Part 3 of Worksheet G. Perform the calculation of the average annual in-home tourists per day as indicated in the formula. Enter the results under "Q".

3.4 Completion of Worksheet G – Part 4 Total Functional (Daily) Tourist Population (FTOURPOP)

Add the results of Part 1 (F) *or* Part 2 (N), and Part 3 (Q), as applicable, and enter the results under "FTOURPOP". Copy the results for FTOURPOP under FTOURPOP in Section 15 of Worksheet B.

4.0 Optional Functional Net Commuter Population

Using data from the 2000 Census Transportation Planning Package (CTPP), the District has developed net commuter population data for each Census tract. (See Optional Net Commuter Data supplement to Appendix A.) The net commuter population and Census population in households by tract needed to calculate the functional net commuter population available from the District's website or from the District's Planning Department. If the service area is congruent with Census tract boundaries and there are no Census tracts partially within the service area, move on to Section 4.2. Otherwise, continue with Section 4.1.

4.1 Complete Worksheet H (Partial Tract Selection) in accordance with Section 6.1 of Appendix A to determine whether tracts partially within the service area should be included in the service area net commuter calculation. For each partial tract, enter the Census County and tract identifier number. Enter the total number of Census housing units in the tract under "A".

Next, enter the Census county, tract and block identification numbers and the total number of housing units for each block included in the service area in Worksheet C that is also in the partial tract in question. Sum the housing units for the selected blocks and enter the result under "B".

Finally, perform the calculation of the percent of the tract housing units that are also in the service area as indicated in the formula. If the result is equal to or greater than 0.34 (34%) then net commuter and Census population in households data from that tract shall be used in the calculation service area functional net commuter population in Worksheet I (Functional Net Commuter).

4.2 Complete Worksheet I by entering District-provided net commuter and population in households data for tracts entirely within the service area and those partial tracts meeting the 34% criteria in Worksheet H.

Continuing with Worksheet I, sum the net commuters by Census tract and enter the result under "A". Enter the corresponding Census housing units by tract and sum the results under "B". Calculate the ratio of net commuters to Census housing units as indicated in the equation for "C".

Estimate the number of net commuters for the service area as indicated in the equation for "D". The RESUNITS (residential units served for the year of interest) is copied from Section 1 of Worksheet B.

Finally, calculate the FNETCOM (Functional Net Commuter Population for the Year of Interest) as indicated and enter the results in Section 16 of Worksheet B.

5.0 Total Required and Optional Functional Service Area Population

In Section 17 of Worksheet B, add the REQPOP from Section 14 of the worksheet, FTOURPOP from Section 15 of the worksheet (if calculated), and FNETCOM from Section 16 of the

worksheet (if calculated). This results in the total required and optional functional population for the service area.

Appendix A

Population Data Sources, Details & Examples For Worksheets A to I

To
Part D of the Water Use Permit Information Manual:
Requirements for the Estimation of Permanent
and Temporal Service Area Populations

Southwest Florida Water Management District

Table of Contents

1.0 Worksheet A: Residential Account Housing

1.1 Utility Data Required

The average of actual or equivalent residential account housing units served in January and December of the year of interest for the retail water service area. Data from a month other than April may be used if included in regularly produced utility reports. However, data from the same month must be used on a consistent basis from year to year.

Equivalent housing units for master-metered residential accounts must be an actual count or must be estimated using Worksheet A (Residential Account Housing Unit Estimation Worksheet) and shall not include any accounts other than those that serve residential housing. No irrigation (residential or otherwise), commercial, industrial, institutional, government, etc., accounts shall be included. Nursing home, prison, dormitory, etc., populations shall be calculated according to the requirements for estimating group quarters population, as specified in Section 2.11. The number of meters by customer class and size, and all other utility furnished data shall be documented.

2.0 Worksheet C: Households, Group Quarters and Housing Units

2.1 Census Data Required[1]

For the Census blocks which fall either entirely or partially within the current retail water service area, the following most recently available decennial Census data must be used:
   a.   Population in households (for the 2000 Census, data set SF1, table P16, or equivalent),
   b.   Households (for the 2000 Census, data set SF1, table P15 or equivalent), and
   c.   Group quarters population (for the 2000 Census, data set SF1, table P27 or equivalent)
   d.   Housing units (for the 2000 Census, data set SF1, table H1 or equivalent)
Note: Data from blocks either totally or partially inside the service area shall be used in their entirety. Utilities with large numbers of Census blocks in the service area may submit an electronic file such as a spreadsheet or the output of a database or statistical analysis software in lieu of Worksheet C so long as the utility and Census geographies are clearly identified, the same data are reported, and the data are clearly labeled.

2.2 Census Data Sources

Required Census data can be downloaded from private sources, such as ESRI[2], for those with Geographic Information Systems (GIS), or from the worldwide web at the American Factfinder link on www.census.gov.

Note: It is the intent of the District, through its website, to provide a GIS layer with service area boundaries, all necessary Census geographies and their associated data, to be available upon the effective date of this rule.

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[1] See Section 3.2 for potential additional Census data requirements.
[2] The use of a corporate name or product does not constitute an endorsement by the District.

2.3 Census Geographic Identity Codes (STFID)

The Census numeric code for the identification of a single Census block consists of a string of numbers called the STFID. For example, the STFID 120150101001001 is interpreted as:

State = "12" (Florida)
County = "015" (Charlotte)
Tract= "010100"
Block Group = "1" = the first digit of the block number
Block = "1001"

The county codes are:

Charlotte =	015	Desoto =	027
Citrus =	017	Hardee =	049
Hernando =	053	Highlands =	055
Hillsborough =	057	Lake =	069
Levy =	075	Manatee =	081
Marion =	083	Pasco =	101
Pinellas =	103	Polk =	105
Sarasota =	115	Sumter =	119

3.0 Worksheet D: Peak Seasonal Resident Ratio

3.1 Service Area Survey Generated Seasonal Population Data

If a permittee has developed the service area survey data to calculate the peak seasonal resident ratio in accordance with Appendix B of this document, only Worksheet D, Part 2 must be completed. If a permittee wishes to use District provided data to generate seasonal population data, then either Worksheet E or F must be completed along with Worksheet D Part 1 and as described in the following subsection.

3.2 District-Provided Hospital Admissions to Generate Seasonal Population Data

The purpose of using hospital admissions data is to create a Census year peak seasonal to permanent population ratio based on admissions for patients with residence ZIP codes in the retail water service area. Hospital admissions are reported by patient resident ZIP codes by the Florida Agency for Health Care Administration (AHCA). The ratio is formed by adding an estimated Census peak seasonal resident population to the Census permanent population and then dividing the sum by the permanent population for ZIP Codes in the service area. The peak seasonal resident population is estimated by subtracting third quarter hospital admissions from first quarter emergency hospital admissions for the 55 - 84 age group and then dividing by an estimated probability (incidence) that seasonal residents in that age group would be admitted to the hospital on an emergency basis.

The peak seasonal resident ratio calculation is as follows:

(Seasonal Resident Population + Permanent Population) / Permanent Population = SEASRR

Note: It is the intent of the District, through its website, to provide, by geographic ZIP code, the estimated peak seasonal resident and permanent resident populations necessary to calculate the SEASRR, to be available upon the effective date of this rule (see Appendix D). In the event that the data to calculate the SEASRR is not available from the District, the SEASRR will be calculated using the following methodology:

Development of Hospital Admissions Data if Not Available from District -The Census year estimated seasonal population for the service area ZIP codes/ZCTAs is estimated as the three-year average of the non-negative differences between first quarter and third quarter emergency admissions for the 55 – 84 age group divided by an assumed District-wide admissions incidence (probability). The three years used to calculate the average difference shall be the year before the Census (Census – 1), the year of the Census (Census), and the year after the Census (Census + 1).

The first quarter of the year is when most seasonal residents reside in Florida and the third quarter is when the least reside in the State. The 55 - 84 age group is reflective of the age characteristics of the seasonal resident population.

The District-prescribed admissions incidence for seasonal residents is based on third quarter emergency hospital admissions for the age group 45 – 74. The emergency admissions incidence for seasonal residents is based on a younger age group because both anecdotal evidence and research indicate that the seasonal resident population is generally healthier than the equivalent age resident permanent resident population. The incidence is calculated as the three-year average of third quarter emergency admissions for the 45 – 74 age group divided by the Census year total 45 – 74 age group population for the ZIP codes and ZCTA's in the District. Again, the three years used to estimate the average Census year admissions for this incidence are Census – 1, Census, and Census +1. For the 2000 Census, the District-wide 45 – 74 emergency admissions incidence to be used in estimating the Census year seasonal resident population is 0.015302.

As the District is providing the seasonal and permanent populations by ZCTA to calculate the SEASRR, a permittee need only select the geographic ZIP Codes or ZIP Code Tabulation Areas (ZCTAs) to represent the service area in accordance with the methods described below. Admissions erroneously ascribed to unique ZIP codes will have already been eliminated and admissions associated with non-unique post office box ZIP codes will have already been assigned to geographic ZIP codes. New geographic ZIP codes added since the Census will have been tracked to the appropriate geographic ZIP codes with associated ZCTA permanent populations.

Note: If hospital admissions data are not available consistent with the above requirements in this section for all of the service area, the permittee must conduct a survey consistent with the

provisions of Appendix B of this document to obtain the data to determine the proportion of seasonal to total households in the service area. For those who are interested, the District's process of collecting and manipulating hospital admissions data is described in User's Background and Information: Use of Hospital Admissions Data to Estimate Seasonal Resident Population. In-depth documentation of the data manipulation process (programming) is available from the District upon request.

3.2.1 ZIP Code Tabulation Area (ZCTA) Map Sources

ZIP Code Tabulation Area maps can be viewed and printed at the Census Bureau's American Factfinder website. Maps of ZCTAs with limited reference details (such as highways) may be found at www.census.gov. ZCTAs are generally equivalent to geographic ZIP codes. As of the time of this writing, the steps to mapping a ZIP Code tabulation area using American Factfinder are:

   a. Go to www.census.gov.
   b. Click on "American FactFinder" tab.
   c. Click on "Data Sets."
   d. Click on "Detailed Tables."
   e. Select geographic type = "5-Digit ZIP Code Tabulation Area."
   f. Select a "3-digit ZIP code tabulation area."
   g. Select "5-digit ZCTA."
   h. Click on "Map It."

ZIP code map files for identification of ZIP codes are also available in electronic formats from private sources for those with Geographic Information Systems (GIS). The District has electronic files of retail water service areas that can be made available for permittee overlay use. However, it is the responsibility of the permittee to ensure that these files are kept up-to-date. The District also intends to provide a GIS layer with all required Census geographies and their associated Census data.

3.2.2 ZIP Code/ZIP Code Tabulation Area (ZCTA) Selection Methods to Represent Service Area

   a. Service Areas Entirely Within a Single ZIP Code/ZCTA – select that ZIP code only. For such service areas, a seasonality survey conducted in accordance with Appendix B of this document is recommended but not required.

   b. ZIP Codes/ZCTAs Entirely Within a Service Area – select all ZIP codes entirely within the service area.

   c. ZIP Codes/ZCTAs Partially Within a Service Area – any utility may use the 34% method for selecting ZIP Codes/ZCTAs described in Section 3.2.3 below for Worksheet E. Only small service areas meeting the criteria described in Section 3.2.4 below may use the methodology outlined in Worksheet F. The methodology designed for Worksheet F was designed for smaller utilities with little or no access to electronic mapping resources.

3.2.3 Worksheet E: Partial ZCTA Selection – 34% Housing Unit ZCTA Selection Criteria

For each ZIP code partially within the service area, select the Census blocks that are wholly or partially within the service area boundaries and sum the Census total housing units (for the 2000 Census data set SF1, Table H1) for those blocks. Divide the sum of the selected Census block housing units by the total number of housing units for that ZIP code's associated ZCTA. If the number of housing units both within the service area and the ZCTA divided by the total the total housing units in the ZCTA is equal to or greater than 0.34 then the estimated seasonal and permanent resident data from that ZCTA shall be used in the calculation of the peak seasonal resident ratio in Worksheet D.

To find the number of Census housing units by ZCTA at American Factfinder, skip step h. in Section 3.2.1 above and click on "Add". Then scroll through the tables to H1. Highlight H1 and click on "Add". Then click on "Find Results".

"34%" Partial ZCTA Selection Example

Comparing a service area map to ZCTA maps reveals that ZIP Codes 335X1 and 335X3 are clearly within Acme Utility's service area. A good bit of ZIP code 335X2 also appears to be in the service area. A small portion of 335X5 appears to be in the service area. Should 335X2 and 335X5 be included? Selecting all the Census blocks in 335X2 that are totally or partially within the service area results in 2,462 housing units. The total number of housing units in ZCTA 335X2 is 4,774. Selecting all the Census blocks wholly or partially in ZCTA 335X5 results in 1,231 housing units. The total number of housing units in ZCTA 335X5 is 3,817.

Partial ZIP Code	Housing Units In Service Area	Total Housing Units In ZCTA	Percent ZCTA Housing Units in Service Area	Include?
335X2	2,462	4,774	51.6%	Yes
335X5	1,231	3,817	32.3%	No

In the event that less than 34% of the housing units in all ZCTAs are inside the service area, then up to two ZCTAs with the highest percentages of housing units in the service area may be included.

3.2.4 Worksheet F: Small Service Area ZIP Code Selection

ZIP Codes Partially Within Small Service Areas – this methodology is designed for small utilities that may not have GIS software or the financial resources to hire a GIS consultant. Step 1 determines whether this selection methodology may be used. Step 2 determines the minimum average number of admissions to be used as a threshold beyond which additional partial ZCTAs

shall not be added. Step 3 identifies which ZCTAs to include in developing the peak seasonal resident ratio.

Step 1 - Obtain the sum the Census population in households (CPOPNHH) for the selected Census blocks from item 2 in Worksheet B. If the sum of the Census block populations in households (CPOPNHH) is 25,000 or less, the methodology described below may be used as an alternative to the 34% selection criteria described in 3.2.3 above. Enter the sum under "A" at the top of Worksheet F if less than 25,000.

Step 2 - As it is very unlikely that the sum of Census block populations in households for the selected Census blocks will exactly match to totals in Table A-1 below, the minimum average annual third quarter admissions thresholds will have to be extrapolated as in Step 2b of Worksheet F and the interpolation example below.

Step 3 - The average annual third quarter hospital admissions for ages 55 - 84 referenced below as necessary for completing Step 3 are available in Appendix D or at the District's website or Planning Department.
    a. Sort customer account billing address ZIP codes. After sorting, count the number of times each ZIP code appears (this can typically be accomplished using a spreadsheet "count" function).
    b. Include ZIP codes entirely within the service area and their corresponding District-provided average annual third quarter admissions. Then add partial ZIP codes and their admissions, starting with the ZIP code with the highest number of accounts, then the next highest, etc., until:
        i. There are no more partial ZIP codes, or
        ii. The cumulative sum of the average annual number of third quarter admissions just meets or exceeds the minimum average annual third quarter admissions (ages 55 - 84) for the size of the service area as shown in the table below, whichever comes first.

Table A-1: Small Service Area Average Annual 3rd Quarter Admissions Thresholds	
Sum of Census Block Populations in Households	Minimum Average Annual Third Quarter Admissions
500	222
1,000	222
2,500	254
5,000	306
10,000	350
25,000	378

Once the ZIP Codes that should be included in the peak seasonal resident ratio have been chosen according to Steps 2 and 3 of Worksheet F, enter the appropriate average annual third quarter

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admissions, Census year estimated peak seasonal resident population and ZCTA permanent population into Worksheet D Part 1.

Small Service Area Average Annual Third Quarter Admissions Threshold Interpolation Example

Assume the sum of Service Area Census Block Populations in Households (CPOPNHH) is 16,500. Since 16,500 is not listed in the above table, the Minimum Average Annual Third Quarter Admissions must be interpolated.

a.   16,500 is between 10,000 and 25,000: the applicable difference is 25,000 – 10,000 = 15,000

b.   The applicable difference in the number of admissions for 25,000 and 10,000, respectively, is 378 – 350 = 28

c.   Divide 28 by 15,000 to determine how many additional admissions are represented per additional person between 10,000 and 25,000: 28/15,000 = .0019

d.   There are 6,500 persons more than 10,000 so the equivalent third quarter admissions threshold for a population in households would be:
350 + (6,500 x .0019) = 362

This utility may add additional patient ZIP codes, in order of their billing address frequency, until the total average annual third quarter age 55 - 84 emergency admissions from the selected ZIP codes just equals or exceeds 362. For example:

ZIP Codes Entirely Within Service Area	Average Annual 3rd Quarter Admissions	Cumulative Admissions
339X1	100	100
339X2	125	225
ZIP Codes Partially Within Service Area		
Highest Billing Partial ZIP = 339X3	100	325
Next Highest = 339X4	100	425

The 362 admissions threshold has just been met or exceeded with the addition of ZIP code 339X4, therefore no additional ZIP codes may be considered for the service area unless they meet the conditions of Section 3.2.3 above. Only ZIP Codes 339X3 and 339X4 located partially in the service area may be added to 339X1 and 339X2, which are completely within.

3.2.5 Example Calculation of Peak Seasonal Resident Ratio (SEASRR) – District Provided Data

The results of the following example Worksheet D Part 1 Peak Seasonal Resident Ratio will be used in subsequent Worksheet B example calculations.

	Average Annual 3rd Quarter Admissions by ZIP/ZCTA only if Small Service Area Partial ZCTA Selection Criteria Used	ZIP Code/ZCTA Estimated Census Year Peak Seasonal Resident Population	Census Year ZCTA Permanent Population
Example Calculation of Estimated Census Year Peak Seasonal Resident Ratio			
ZIP Codes/ZCTAs	**A**	**B**	**C**
335X1	163	1,687	16,814
335X2	279	829	21,552
335X3	196	1,001	25,920
		Sum of B = E	**Sum of C = F**
Sum Seasonal (**B**) & Permanent (**C**) Populations		3,517	64,286
Peak Seasonal Resident Ratio (SEASRR) = (E + F) / F = 1.0547			

3.2.6 Example Calculation of Peak Seasonal Resident Ratio (SEASRR) – Survey Generated Data

For the sake of brevity in the example, assume that only 10 returned surveys are required and returned complete. The responses are as follows:

Example Households Reported as Seasonal			
		Persons in	Number of Months
	Households	Households	In Residence Here
	1	2	6
	1	2	4
	1	1	5
Totals	3	5	15
Example Households Reported as Permanent			
		Persons in	
	Households	Households	
	1	4	
	1	2	
	1	3	
	1	4	
	1	2	

	1	3	
	1	2	
Totals	7	20	

The data entries in Part 2 of Worksheet D would be: A = 3, B = 5, C = 15, D = 7, E = 20

4.0 Worksheet B: Service Area Summary – Example Required Total Functional Permanent and Seasonal Resident Population Calculations

In this methodology, served residential account housing units are divided into permanent and seasonal resident households using information on the seasonality of hospital admissions. All references to data are data from the appropriate geographic unit(s) (e.g., Census blocks, ZIP codes) that encompass the current retail water service area unless otherwise indicated. Calculations shall be documented on District-prescribed worksheets.

For the purpose of providing example calculations, the following assumptions are made:

Assumptions:
Census population in households (CPOPNHH) = 32,500
Census households (CHH) = 13,000
Census Group Quarter Population (CGRUPPOP) = 300
Census Housing Units (CHOUSUNITS) = 15,000
Residential account housing units for the year of interest (RESUNITS) = 17,746
Peak Seasonal Resident Ratio (SEASRR) from previous example = 1.0547

Note: Example calculations made by spreadsheet software. Hand calculations may result in rounding errors.

4.1 Worksheet B Section 3 - Calculation of Service Area Permanent Resident Persons-Per-Household (PERMPPH)

(Census population in households)/(Census households) = PERMPPH

Example:

CPOPNHH / CHH = PERMPPH = 32,500 / 13,000 = 2.5

If a service area seasonality survey has been conducted in accordance with Appendix B has been performed, insert the PERMPPH results from Worksheet D Part 2.

4.2 Worksheet B Section 4 - Service Area Seasonal Resident Persons-Per-Household (SEASPPH)

The seasonal resident persons-per-household is used in estimating the number of seasonal households in the Census year and to estimate the number of seasonal residents in the service area. The default SEASPPH shall be 1.95[i], unless the permittee calculates a utility-specific

SEASPPH value by conducting a service area survey in accordance with the Population Survey Minimum Requirements, contained in Appendix B of this document and documented in Worksheet D Part 2.

4.3 Worksheet B Section 5 – Calculation of Peak Seasonal Resident Ratio (SEASRR)

See Section 3.2.5 for the SEASRR example calculation from Worksheet D.

4.4 Worksheet B Section 6 – Calculation of Census Year Seasonal Households (SEASHH)

This calculation estimates the number of seasonal resident households in the Census year, which is then used to estimate the ratio of seasonal to total households in the service area in Section 7.

((Peak Seasonal Resident Ratio – 1) x Census Population in Households) / Seasonal Resident Persons Per Household = SEASHH

> **Example:**
>
> ((SEASRR – 1) x CPOPNHH) / SEASPPH = ((1.0547 – 1) x 32,500) / 1.95 = 912

4.5 Worksheet B Section 7 - Calculation of Seasonal Households to Total Households Ratio (SEAS/TOTHH)

This ratio is used to determine the proportion of residential account housing units in the service area that are seasonal.

(Census Year Seasonal Households) / (Census Households + Census Year Seasonal Households) = SEAS/TOTHH

> **Example:**
>
> (SEASHH) / (CHH + SEASHH) = 912/ (13,000 + 912) = .065555

The SEAS/TOTHH ratio may also be developed from survey data in accordance with Appendix B and calculated as in Worksheet D Part 2.

4.6 Worksheet B Section 8 - Calculation of Seasonal Resident Peak Population for the Year of Interest (SEASPKPOP)

This calculation estimates the number of seasonal residents in the service area during the peak seasonal residence time of year (first quarter) for the year of interest. The estimate is based on the number of residential account housing units served, the ratio of seasonal to total households and the number of persons in a seasonal household.

(Residential Accounts Housing Units for the Year of Interest) x (Seasonal Households to Total Households Ratio) x (Seasonal Resident Persons-Per-Households) = SEASPKPOP

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> **Example:**
>
> RESUNITS x SEAS/TOTHH x SEASPPH = 17,746 x .065555 x 1.95 = 2269

4.7 Worksheet B Section 9 - Calculation of Permanent Resident Population for the Year of Interest (PERMPOP)

This calculation estimates the permanent resident population of the service area for the year of interest. The estimate is based on the number of residential account housing units served, the ratio of permanent resident housing units to total housing units, and the number of persons in a permanent household.

(1 − Seasonal Housing to Total Housing Ratio) x (Residential Account Housing Units for the Year of Interest) x (Permanent Resident Persons Per Household) = PERMPOP

Example:

(1 − SEAS/TOTHH) x RESUNITS x PERMPPH = (1 - .065555) x 17,746 x 2.5 = 1,457

4.8 Worksheet B Section 10 – Seasonal Proportional Residence Time (SEASPROP)

Unless obtained by service area survey in accordance with the Population Survey Minimum Requirements (Appendix B of this document), the annual proportional residence time for seasonal residents (SEASPROP) for coastal beach destination counties shall be 0.442[ii] of the year. Coastal beach destination counties include Charlotte, Manatee, Pinellas and Sarasota. In all other counties, the SEASPROP shall be 0.567[iii].

4.9 Worksheet B Section 11 - Seasonal Resident Adjustment Factor (SEASADJ)

This calculation is used to develop an adjustment factor that takes into account the full water use of seasonal residents for the months they are in residence and potential irrigation/maintenance uses when they are not in residence. The adjustment factor to estimate an equivalent year-round seasonal population is calculated as:

((Seasonal Proportional Residence Time x 132[iv] gpcd) + ((1-Seasonal Proportional Residence Time) x (132 − 69.3[v] gpcd))) / 132 = SEASADJ

For Coastal Beach Destination Counties, the SEASADJ is:

((0.442 x 132) + ((1 − 0.442) x (132 − 69.3)))/132 = 0.707

For All Other Counties, the SEASADJ is:

((0.567 x 132) + ((1 − 0.567) x (132 − 69.3)))/132 = 0.773

4.10 Worksheet B Section 12 - Calculation of Functional Seasonal Resident Population (FSEASPOP)

This calculation converts the seasonal resident peak population for the year of interest to a functional population using the SEASADJ calculated above.

(Seasonal Resident Peak Population for the Year of Interest x Seasonal Resident Adjustment Factor) = FSEASPOP

Example for Non-Coastal Beach Destination County:

SEASPKPOP x SEASADJ = FSEASPOP = 2,269 x 0.773 = 1,754

4.11 Worksheet B Section 13 – Calculation of Group Quarters Population
Calculate the ratio of Census group quarters population (CGRUPPOP) to Census housing units (CHOUSUNITS) for the Census blocks wholly or partially within the service area. This ratio is then applied to the residential units served for the year of interest (RESUNITS) from Section 1 of Worksheet B. Permittees may also elect to survey group quarters population customers to determine the service area group quarters population. The survey must be conducted in accordance with the minimum sample size requirements of Appendix B of this document and the population must be estimated in a manner consistent with the Census definition of group quarters population. Since group quarters population is included in the service area population, the permittee may not treat group quarters accounts as commercial for purposes of deducting significant uses pursuant to "PER CAPITA DAILY WATER USE," Section 3.6 of the Basis of Review. Group quarters population for the year of interest (GRUPPOP) shall be calculated as follows:

(Census group quarters population / Census housing units) x residential units served for the year of interest = GRUPPOP

4.12 Worksheet B Section 14 - Calculation of Total Required Water Service Area Functional Populations for the Year of Interest (REQPOP)

Example:

(CGRUPPOP/CHOUSUNITS) x RESUNITS = GRUPPOP = (300/15,000) x 17,746 = 355

The required service area population that must be submitted is the sum of the estimated permanent resident population (PERMPOP), functional seasonal resident population (FSEASPOP), and group quarters population for the year of interest (GRUPPOP). This calculation creates a functional population for the service area composed of functional seasonal, and permanent residents.

REQPOP Example:

PERMPOP + FSEASPOP + GRUPPOP = REQPOP = 41,457 + 1,754 355 = 43,566

5.0 Worksheet G: Functional Tourist Population (Optional)
Tourist population is the service area population that visits the service area on a short-term basis and generally stays in public lodgings (as opposed to residential housing units) but may include in-home tourists if estimated in accordance with approved survey methods (see Appendix B). The objective is to estimate the functional tourist population, which is equivalent to the average annual number of service area tourists per day. Public lodging tourists may be estimated using direct estimates of the number of rooms, occupancy rates and guests per room as described in Section 5.1 below or they may be estimated indirectly from tourist lodging taxes as described in Section 5.2 below. Methods for estimating in-home tourists are described in Section 5.3 below.

All calculations and data sources shall be documented including website addresses and download dates and titles, authors, and dates of reports. If copies of reports are not publicly available, copies shall be provided.

Note: Tourist population data for a particular public lodging utility customer shall not be included in the calculation of tourist population if a permittee deducts that lodging customer as a significant use. Tourist population shall not be included in functional population if the permittee deducts industrial/commercial uses in excess of the Districtwide average in accordance with "PER CAPITA DAILY WATER USE IN THE SWUCA," Section 3.6 of the Basis of Review.

5.1 Public Lodging Data Method

Functional tourist population in public lodging shall be calculated by multiplying the number of public lodging rooms within the service area times the average annual or monthly occupancy rate(s) times an average number of guests per room. Submitted lodging room inventory, monthly occupancy rate, and guests per room data shall be no more than six years old. Documentation shall be provided listing the facilities and their numbers of rooms.

5.1.1 Inventory of Service Area Public Lodging Rooms

For public lodging facilities such as hotels/motels, RV parks/campgrounds and short-term rental condominiums, "rooms", "sites", and "units" are used interchangeably. The number of available rooms in the service area shall be obtained from the Florida Department of Business and Professional Regulation (DBPR), local convention/visitor bureaus (if tailored to the service area), utility billing records or a survey of utility lodging customers (see Section 5.1.4 of this Appendix). The District intends to provide a periodically updated electronic map of lodging facilities and numbers of rooms on its website. This file can be used with geographic information systems to determine the number of facilities and lodging units within a utility service area.

If not available from the District, the number of available public lodging rooms in the service area may be derived from data on the DBPR website www.myflorida.com/dbpr. The website provides information on the number of rooms along with the business name and location address that can be used to determine whether the lodging facility is located in the service area. Facilities are coded by type. The DBPR lodging facility codes to be used estimating available rooms are: 2001 (hotels), 2002 (motels), 2005 (bed and breakfast), 2006 (resort condominiums) and 2007 (resort dwellings). Only served facilities and lodging rooms may be included. (Note: If resort condominiums and dwellings are included in the utility's residential customer classes *and* are counted as public lodging units for tourist population estimation, then the number of such units shall be deducted from the dwelling unit counts in Worksheet A.)

5.1.2 Average Annual Monthly Occupancy Rate

If monthly occupancy rates are not available from utility customer/consultant surveys, existing studies or sources such as conventions/visitor bureaus or the District, the average monthly occupancy rate shall be calculated by averaging the monthly, quarterly or seasonal occupancy

rates according to the available data. The average annual occupancy rate may also be used as the monthly occupancy rate. Only data from source studies that include the service area shall be utilized. The geographic scope of average annual occupancy rate studies shall be no larger than county-wide unless the data are from a regional convention/visitors bureau. The example below shows the calculation of the average annual monthly occupancy rate from data other than utility lodging customer survey data. See Section 5.1.4 of this Appendix for an example of the calculation of occupancy rates from customer survey data.

Example Average Annual Monthly Occupancy Rate Calculations
(for data other than utility lodging customer survey data)

Monthly Occupancy Rates

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
.90	.85	.80	.75	.75	.70	.70	.65	.65	.70	.75	.85

Average Annual Monthly Occupancy Rate =

(.90+.85+.80+.75+.75+.70+.70+.65+.65+.70+.75+.85) / 12 = .754

5.1.3 Average Guests-Per-Room

For coastal beach destination county service areas (see Section 4.8 of this Appendix), the default average guests-per-room shall be 2.7. For other service areas, the default average guests per room shall be 2.3 guests-per-room. If available, alternative average guests per room data may be obtained from local convention/visitor bureaus, consultant studies that include the service area or utility lodging customer surveys. The geographic scope of average guests per room studies shall be no larger than countywide unless the data are from a regional convention/visitors bureau.

5.1.4 Public Lodging Customer Survey Data

If average annual monthly occupancy rates and persons per room or party size are not available or relevant to the service area, such data shall be collected via survey from public lodging utility customers. Submitted survey data shall be no more than six years old. The total number of rooms available in the service area shall be estimated as described in Section 5.1.1 of this Appendix unless the survey covers all utility lodging customers. Surveys shall be sent to customers with meter sizes in proportion to the population of all public lodging account meter sizes. See Population Survey Minimum Requirements for minimum sample sizes (Appendix B).

From each surveyed public lodging utility customer, collect the number of rooms available, the annual average monthly room occupancy rate (see Section 5.1.2 of this Appendix), and the annual average guests per room. (Note: It may be advantageous to also collect average daily room rate on a monthly basis in the event that tourist lodging tax data are available for an area congruent with the service area.)

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To calculate the sample average monthly occupancy rate and guests per room for application to total rooms available in the service area, the individual customers' annual average monthly room occupancy rates and the annual average guests per room shall be weighted by the number of rooms per facility as shown in the example below.

Example Service Area Lodging Customer Survey Calculations

Utility Lodging Customer	Guest Rooms	Average Monthly Occupancy Rate	Average Guests Per Room
1	30	.60	2.4
2	12	.70	2.8
3	60	.75	2.1

Total Rooms = 102

The weighted average occupancy rate and guests per room to be applied to the total population of rooms would be:

Occupancy Rate: ((30 x .60) + (12 x .70) + (60 x .75)) / 102 = .70

Guests per Room: ((30 x 2.4) + (12 x 2.8) + (60 x 2.1)) / 102 = 2.27

5.1.5 Example Average Annual Public Lodging Tourists per Day Calculation

The average annual public lodging tourists per day = Total service area rooms x average annual monthly occupancy rate x average guests per room. Assuming that there are 1,000 total service area rooms according to Section 5.1.1 of this Appendix, that the average annual monthly occupancy rate is .70 and that the guests per room is 2.27 from the example in 5.1.4 above, the estimated public lodging tourists per day is:

Example Average Annual Public Lodging Tourists per Day Calculation

1,000 rooms x .70 occupancy rate x 2.27 persons per room = 1,589 tourists per day

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5.2 County/Municipality Tourist Lodging Tax Method

Many counties and municipalities within the District assess tourist lodging taxes. At the election of the county, collections are administered either by the county tax authority or by the state Department of Revenue. If such monthly tourist lodging tax collections can be isolated to the service area, the average daily room rate per month and the tax rate applicable to the service area determined, then the number of room days per month can be calculated. The numbers of public accommodation room days per month are then summed, then multiplied by the average guests

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per room, as determined in Section 5.1.3 of this Appendix, and then divided by 365 to determine the functional public lodging tourist population. Submitted data shall be no more than six years old.

5.3 Calculation of Functional In-Home Tourist Population

In addition to calculating public lodging tourist data, permittees may also collect data on tourists that are in-home guests of permanent or seasonal residents. The data indicated below shall be gathered through the use of survey methods in accordance with the Population Survey Minimum Requirements (Appendix B). The objective is to determine the average number of in-home tourists per day using a survey-estimated number of in-home guest days per household per year. The data may be collected separately or as part of a Seasonal Resident Survey.

Example Tourist Lodging Tax Functional Tourist Population Calculations

Monthly Service Area Tourist Lodging Tax Collections

JAN	FEB	MAR	APR	MAY	JUN
$75,330	$64,260	$66,960	$60,750	$59,288	$53,550

JUL	AUG	SEP	OCT	NOV	DEC
$52,080	$48,360	$46,800	$52,080	$57,375	$71,145

Monthly Room Revenue = Monthly Tax Collections / Tax Rate (Assume 0.03 or 3%)

JAN	FEB	MAR	APR	MAY	JUN
$2,511,000	$2,142,000	$2,232,000	$2,025,000	$1,976,250	$1,785,000

JUL	AUG	SEP	OCT	NOV	DEC
$1,736,000	$1,612,000	$1,560,000	$1,736,000	$1,912,500	$2,371,500

Average Daily Room Rate

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
$90	$90	$90	$90	$85	$85	$80	$80	$80	$80	$85	$90

Total Room Days Per Month = Monthly Room Revenue / Average Daily Room Rate

JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
27,900	23,800	24,800	22,500	23,250	21,000	21,700	20,150	19,500	21,700	22,500	26,350

Functional public lodging tourist population

= (sum of total room days per month x average guests per room) / 365.
Assume average guests per room = 2.7.

((27,900+23,800+24,800+22,500+23,250+21,000+21,700+20,150+19,500+21,700+22,500+26,350) x 2.7) / 365 = 2,035

The survey must be at the household level and must inquire as to the number of guests in the last year and their length of stay. The average in-home tourist days per household are the cumulative sum of guest days reported by the surveyed households, divided by the number of households responding to the survey. The average in-home guest days per household per year is then multiplied by the residential account housing units for the year of interest (RESUNITS) from Worksheet A, and then divided by 365 days. The functional in-home tourist population is then estimated as:

(Residential Account Housing Units for the year of interest x average in-home tourist days per household per year) / 365 days per year

For example, if there were 4 households responding to the survey and they indicated the following:

Responding Household #	Guest Number	Guest Stay in Days
1	1	3
1	2	5
1	3	5
2	1	7
2	2	7
3	1	2
3	2	8
4	1	3
4	2	6
	Sum of Guest Days	46

The total guest stay in days is 46.

The average in-home tourist days per household per year would be:

46 guest days / 4 households = 11.5 tourist days per household

Assuming 17,746 residential housing account units for the year of interest (RESUNITS) and 11.5 in-home tourist days per household per year, the average annual in-home tourists per day would be:
(17,746 x 11.5) / 365 = 559

5.4 Calculation of Total Functional Tourist Population for the Year of Interest (FTOURPOP)
The total functional tourist population is the sum of the estimated functional public lodging

Using the Examples From Sections 5.1 and 5.3 Above:

1,589 public lodging tourists per day + 559 in-home tourists per day = a total functional population for the year of interest **(FTOURPOP)** of 2,148

Using the Examples From Sections 5.2 and 5.3 Above:

2,035 public lodging tourists per day + 559 in-home tourists per day = a total functional population for the year of interest **(FTOURPOP)** of 2,594

tourist population as determined by one of the methods described in Sections 5.1 or 5.2 above and/or the functional in-home tourist population as described in Section 5.3.

6.0 <u>Worksheets H & I: Functional Net Commuter Population (Optional)</u>
This optional calculation estimates the net change in service area population during the regular workweek caused by persons entering or leaving the service area to work. This net change in population is then adjusted for the typical hours of the day worked and the typical number of days in the workweek.

The net commuter population shall be calculated using data from the Census Transportation Planning Package (CTPP) Part III based on data from the most recent decennial Census. The objective is to sort workers that show up as working and/or living in the Census tracts selected to represent the service area into: a) those that live in the selected tracts, and b) those that work in the selected tracts. Each group is summed and the sum of the number of workers that live in the selected service area tracts is subtracted from the sum of the number of workers that work in the selected service area tracts. The resulting difference is the number of net commuters in the selected tracts.

The number of net commuters is then divided by the sum of Census housing units for the selected tracts. This results in a ratio of net commuters to total housing units. This ratio is then applied to the Residential units served for the Year of Interest (RESUNITS) as calculated in Section 1 of this Appendix to estimate the year of interest net commuter population. The population is then multiplied by 8/24 (0.333) and 5/7 (0.714) to account for the length of the workday and the workdays of the week, respectively, to form a functional net commuter population.

6.1 Worksheet H: Selection of Census Geography to Represent Service Area
For most service areas, the lowest geographic level at which Census commuter data will be available is the tract. Census tract level data shall include data from all tracts totally within the service.

For each Census tract partially within the service area, select the Census blocks which are wholly or partially within the service area boundary and sum the Census total housing units (for the 2000 Census data set SF1, Table H1) for each of those blocks in Worksheet H. Divide the sum of the selected Census block housing units (B) by the total number of housing units for that Census tract (A). If the number of housing units both within the service area and the tract divided by the total the total housing units in the tract is equal to or greater than 0.34 then the estimated net commuter and population in households data from that tract shall be used in the calculation of the service area functional net commuter population in Worksheet I along with Census tracts that are completely within the service area.

<div style="border: 1px solid black;">

"34%" Partial Census Tract Selection Example

Comparing a service area map to tract maps, county 000 tract 012600 is clearly within Acme Utility's service area. A good bit of tract 013001 also appears to be in the service area. A small portion of 013004 appears to be in the service area. Should 013001 and 013004 be included? Selecting all the Census blocks in 013001 that are wholly or partially within the service area results in 274 housing units. The total number of housing units in tract 013001 is 530. Selecting all the Census blocks entirely in tract 013004 results in 137 housing units. The total number of housing units in tract 013004 is 424.

Partial Tract	Housing Units In Blocks in Service Area	Total Housing Units In Tract	Percent ZCTA Housing Units in Service Area	Include?
013001	274	530	51.7%	Yes
013004	137	424	32.3%	No

</div>

6.2 Availability of Tract Level Net Commuter and Population Data From the District
As of the writing of this document, manipulation of the data from the Department of Transportation website requires the skilled use of statistical software. It is the intent of the District to make available the Census year net commuter and housing units by Census tract in an electronic format for use with common spreadsheet software and entered into Worksheet I. The data may be obtained from the District's website or Planning Department. However, for the purpose of documentation, and in the event the District data are not available, or if a permittee desires to analyze the data directly, the general methodology for obtaining the proper data is outlined in Section 6.3 and the methodology for calculating the net commuter population directly from CTPP data is described in subsections 6.4 a., b., and c. below.

6.3 If Not Using District Provided Commuter Data - Commuter Population and Population in Households Data to Be Collected
Net commuter population shall be developed from CTPP data from the most recent decennial Census. The CTPP is housed at the U.S. Department of Transportation – Bureau of Transportation Statistics website www.transtats.bts.gov. The data source is the CTPP Part III data set for Florida. The data to be used for the calculations are found in Table 1: Total Workers. From this table, the Total Worker data must then be extracted by county to avoid including all tracts in the state with identical tract numbers (refer to the documentation/instruction file that accompanies the data file when downloading). County information is found in column "QPOWCO", workplace county Federal Information Processing Standard (FIPS) code, and column "COUNTY", residence county FIPS code. Tracts where workers work, regardless of residence tract, are found in the column with the heading "QPOWTRACT: Workplace Census

Tract Code". Tracts where workers live, regardless of where they work, are found in the column with the heading "TRACT: Census Tract Code". Total workers data corresponding to the combinations of workplace and residence tracts are located in the "TAB301X1" column.

Housing unit data (for the 2000 Census, data set SF1, table H1, or equivalent) shall be collected for the selected tracts. Note: housing unit data are not found in the CTPP but are found with regular Census data. See Section 2.1 of this Appendix.

6.3.1 Obtaining Worker and Resident Worker Totals from Census Transportation Planning Package Part III

a. Identify Tracts in Service Area and FIPS county code for county where tracts are located

b. Obtain Census Transportation Planning Package Part III data for Florida from the U.S. Department of Transportation – Bureau of Transportation Statistics website (www.transtats.bts.gov)

c. From the Census Transportation Planning Package Part III data for Florida select Table 1 ("Total Workers")

d. Create one table similar to Example Table 1 below listing number of workers per tract: From Table 1 identified in c. above, find all the entries with your county FIPS code in column QPOWCO. From those, select the tracts identified as being in your service area from column QPOWTRACT and the number of workers in columnTAB301X1 associated with the selected tracts.

e. Create another table similar to Example Table 2 below listing number of resident workers per tract: From Table 1 identified in c. above, find all the entries with your county FIPS from column COUNTY. From those, select the tracts identified as being in your service area from column TRACT, and the number of workers in column TAB301X1 associated with the selected tracts.

6.4 Worksheet I - Calculation of Functional Net Commuter Population for the Year of Interest (FNETCOM)

The calculation of the net commuter population requires several steps. These are listed below. If using District-provided data, skip steps a., b., and c.

a. *This step required only if not using District-provided net commuter data.* Sum the number of workers per tract from the CTPP Part III Table 1 listing the number of workers per workplace census tract (QPOWTRACT). This total represents the number of workers that *work* in the service area tracts.

b. *This step required only if not using District-provided net commuter data.* Sum the total number of resident workers per tract from the CTPP Part III Table 1 listing the number of resident workers per residence census tract (TRACT). This total represents the number of workers that *live* in the service area tracts.

c. *This step required only if not using District-provided net commuter data.* Subtract the total workers that live in the service area tracts (as determined in b. above) from the total workers that work in the service area tracts (as determined in a. above) to determine the total net commuter population for the service area. Enter the total under "A" in Worksheet I, or

d. *Sum the District-provided net commuters* by Census tract in Worksheet I under "A."

e. Sum the Census housing units for the selected service area tracts under "B".

f. Divide the total net commuter population for the service area tracts (as determined in c. above or from District provided data in d.) by the sum of the Census housing units for the selected tracts (as determined in e. above from Census sources or from District-provided data). This ratio represents the ratio of net commuters to total housing units for the Census year ("C").

g. Apply the ratio calculated in f. above to the residential units served for the Year of Interest (RESUNITS) (as determined in Worksheet A) to determine the year of interest net commuter population. The net commuter population is assumed to grow in proportion with the service area housing units served.

h. As net commuters generally spend eight hours per day for five days in the service area, the net service area commuter population for the year of interest is reduced by factors of 8/24 hours (.333) and 5/7 days (.714) to estimate functional net commuter population for the year of interest (FNETCOM). The FNETCOM is then added to the total required functional population for the year of interest (REQPOP) and any other optional populations.

Example Functional Net Commuter Population Calculations for Year of Interest

Assume that the service area is located in County 000 and tracts 012600 and 013001 are selected to represent the service area. CTTP Part III worker and resident worker data by tract is listed below. Further assume that the sum of the Census housing units (CHOUSUNITS) for the two tracts is 15,000. Finally, assume that the residential units served for the Year of Interest (RESUNITS) is 17,746. Note: TRACT = TRACT: Census Tract Code and QPOWTRACT = QPOWTRACT: Workplace Census Tract Code.

Example Table 1. Workers

QPOWCO	QPOWTRACT	TRACT	TAB301X1
(work county)	(work tract)	(residence tract)	(workers)
000	012600	012600	250
000	013001	012600	75
000	012600	013001	70
000	013001	013001	100
000	012600	013002	90
000	013001	013002	40
000	013001	013003	150
		TOTAL	**775**

Example Table 2. Resident Workers

COUNTY	TRACT	QPOWTRACT	TAB301X1
(residence county)	(residence tract)	(work tract)	(workers)
000	012600	012600	250
000	012600	012800	75
000	012600	013001	75
000	013001	012600	70
000	013001	012800	25
000	013001	013001	100
		TOTAL	**595**

Net commuters in tracts 012600 and 013001 = 775 – 595 = 180
(or use District-provided net commuter population by tract)

Ratio of net commuters to selected tracts Census housing units = 180 / 15,000 = .012

Net commuter population for year of interest = .012 x RESUNITS = .012 x 17.746 = 213

Functional net commuter population for year of interest =
FNETCOM = 213 x .333 x .714 = 51

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[i] Seasonal resident persons per household data represent the high range of seasonal resident persons-per-household in the available literature.

[ii] Seasonal resident length of stay data are based on a series of monthly, stratified, random sample telephone surveys completed with 492 seasonal resident households in Pinellas County. The data are drawn from historical (2000 – 2003) data developed by Research Data Services, Inc. per Klages Group memorandum dated December 18, 2003.

[iii] Seasonal resident length of stay data are based on a random sample survey of 717 households in the Chassahowitzka, Homosassa, Kings Bay and Weeki Wachee springs basins conducted in 2001 by Planning Department of the SWFWMD.

[iv] The per capita water usage is the average of District-wide unadjusted gross per capita from Table A-1 of the annual Water Use Estimates report for the years 1996, 1997, 1998, 1999, 2000 and 2001. Six years are used to reflect a range of climatic conditions. For consistency of per-capita calculations over time, this per-capita is to remain constant and is not a moving average.

[v] Study-wide mean daily per capita indoor use from *Residential End Uses of Water* prepared for the American Water Works Association Research Foundation, 1999.

OPTIONAL NET COMMUTER DATA

DISTRICTWIDE

Supplement To
APPENDIX A
Population Data Sources, Details & Examples
For Worksheets A to I
January 20, 2009

Planning Department
Southwest Florida Water Management District

Charlotte County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Charlotte	10100	101	985	1,124	-139	1,487
Florida	Charlotte	10200	102	693	1,675	-982	2,767
Florida	Charlotte	10300	103	9,263	2,268	6,995	4,414
Florida	Charlotte	10400	104	1,574	2,324	-750	6,315
Florida	Charlotte	10500	105	2,296	2,742	-446	4,812
Florida	Charlotte	20100	201	1,863	3,673	-1,810	5,267
Florida	Charlotte	20201	202.01	552	2,951	-2,399	2,814
Florida	Charlotte	20202	202.02	446	3,124	-2,678	2,946
Florida	Charlotte	20301	203.01	3,034	1,641	1,393	2,529
Florida	Charlotte	20302	203.02	2,916	1,435	1,481	1,530
Florida	Charlotte	20303	203.03	786	2,003	-1,217	2,192
Florida	Charlotte	20400	204	1,080	2,256	-1,176	2,875
Florida	Charlotte	20500	205	356	2,385	-2,029	3,208
Florida	Charlotte	20600	206	2,063	2,305	-242	3,360
Florida	Charlotte	20700	207	4,679	1,270	3,409	2,805
Florida	Charlotte	20800	208	385	1,689	-1,304	2,252
Florida	Charlotte	20900	209	779	2,229	-1,450	2,546
Florida	Charlotte	21000	210	4,358	1,970	2,388	4,836
Florida	Charlotte	30100	301	232	2,229	-1,997	2,564
Florida	Charlotte	30200	302	965	2,864	-1,899	3,180
Florida	Charlotte	30300	303	2,989	1,668	1,321	5,863
Florida	Charlotte	30400	304	911	1,061	-150	3,627
Florida	Charlotte	30500	305	1,113	2,601	-1,488	5,569

Source: Census Transportation Planning Package Part III Table 1
          Census 2000 Summary File 1 Table H1
          Bureau of the Census

Citrus County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Citrus	980100	9801	1,271	2,905	-1,634	4,872
Florida	Citrus	980200	9802	879	1,618	-739	4,925
Florida	Citrus	980301	9803.01	6,169	3,973	2,196	5,462
Florida	Citrus	980302	9803.02	377	1,231	-854	2,004
Florida	Citrus	980400	9804	471	1,970	-1,499	2,766
Florida	Citrus	980500	9805	3,465	1,934	1,531	3,182
Florida	Citrus	980600	9806	2,692	3,342	-650	4,390
Florida	Citrus	980700	9807	3,399	3,400	-1	5,064
Florida	Citrus	980800	9808	528	1,236	-708	2,260
Florida	Citrus	980900	9809	2,488	1,763	725	3,237
Florida	Citrus	981000	9810	2,225	1,766	459	3,093
Florida	Citrus	981100	9811	758	2,427	-1,669	3,725
Florida	Citrus	981200	9812	561	1,272	-711	2,633
Florida	Citrus	981300	9813	148	953	-805	1,447
Florida	Citrus	981400	9814	2,670	1,349	1,321	1,808
Florida	Citrus	981500	9815	1,458	3,193	-1,735	4,171
Florida	Citrus	981600	9816	438	1,966	-1,528	4,279
Florida	Citrus	981700	9817	2,904	1,310	1,594	2,886

Source: Census Transportation Planning Package Part III Table 1
Census 2000 Summary File 1 Table H1
Bureau of the Census

DeSoto County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Desoto	980100	9801	143	2,614	-2,471	3,552
Florida	Desoto	980200	9802	484	1,863	-1,379	1,686
Florida	Desoto	980300	9803	270	3,691	-3,421	3,013
Florida	Desoto	980401	9804.01	315	2,203	-1,888	2,762
Florida	Desoto	980402	9804.02	350	2,130	-1,780	2,595

Source: Census Transportation Planning Package Part III Table 1
            Census 2000 Summary File 1 Table H1
            Bureau of the Census

Hardee County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Hardee	970100	9701	389	3,106	-2,717	2,895
Florida	Hardee	970200	9702	343	2,007	-1,664	2,280
Florida	Hardee	970300	9703	628	2,425	-1,797	2,395
Florida	Hardee	970400	9704	403	2,292	-1,889	2,250

Source: Census Transportation Planning Package Part III Table 1
            Census 2000 Summary File 1 Table H1
            Bureau of the Census

Hernando County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Hernando	40100	401	2,358	2,088	270	2,753
Florida	Hernando	40201	402.01	212	909	-697	1,159
Florida	Hernando	40202	402.02	503	2,330	-1,827	2,524
Florida	Hernando	40300	403	1,009	2,681	-1,672	2,959
Florida	Hernando	40400	404	3,190	1,022	2,168	1,994
Florida	Hernando	40500	405	6,649	2,382	4,267	3,215
Florida	Hernando	40600	406	1,884	2,017	-133	2,305
Florida	Hernando	40700	407	898	1,852	-954	2,116
Florida	Hernando	40800	408	2,160	1,620	540	4,237
Florida	Hernando	40901	409.01	1,673	1,309	364	1,765
Florida	Hernando	40902	409.02	1,123	2,635	-1,512	3,060
Florida	Hernando	40903	409.03	693	2,340	-1,647	2,818
Florida	Hernando	40904	409.04	2,389	1,462	927	1,617
Florida	Hernando	41001	410.01	1,374	1,964	-590	2,565
Florida	Hernando	41002	410.02	1,243	1,985	-742	2,586
Florida	Hernando	41101	411.01	336	1,877	-1,541	2,648
Florida	Hernando	41102	411.02	833	2,027	-1,194	2,761
Florida	Hernando	41201	412.01	336	864	-528	1,178
Florida	Hernando	41202	412.02	868	1,763	-895	3,149
Florida	Hernando	41301	413.01	638	445	193	3,705
Florida	Hernando	41302	413.02	1,148	847	301	1,237
Florida	Hernando	41401	414.01	918	1,926	-1,008	2,458
Florida	Hernando	41402	414.02	299	1,531	-1,232	2,049
Florida	Hernando	41500	415	2,728	1,837	891	2,869
Florida	Hernando	41600	416	531	1,265	-734	3,000

Source: Census Transportation Planning Package Part III Table 1
Census 2000 Summary File 1 Table H1
Bureau of the Census

Highlands County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Highlands	960100	9601	1,227	2,573	-1,346	4,691
Florida	Highlands	960200	9602	1,231	1,470	-239	2,191
Florida	Highlands	960300	9603	975	1,676	-701	1,921
Florida	Highlands	960400	9604	345	2,263	-1,918	2,435
Florida	Highlands	960500	9605	986	1,471	-485	3,747
Florida	Highlands	960600	9606	355	2,241	-1,886	4,279
Florida	Highlands	960700	9607	373	1,235	-862	2,047
Florida	Highlands	960800	9608	1,348	995	353	1,282
Florida	Highlands	960900	9609	536	1,001	-465	1,518
Florida	Highlands	961000	9610	494	1,356	-862	2,332
Florida	Highlands	961100	9611	1,326	909	417	2,113
Florida	Highlands	961200	9612	1,510	1,447	63	2,552
Florida	Highlands	961300	9613	2,576	3,153	-577	5,312
Florida	Highlands	961400	9614	591	1,311	-720	2,470
Florida	Highlands	961500	9615	620	1,469	-849	2,852
Florida	Highlands	961600	9616	1,770	2,583	-813	4,088
Florida	Highlands	961700	9617	885	2,022	-1,137	3,016

Source: Census Transportation Planning Package Part III Table 1
Census 2000 Summary File 1 Table H1
Bureau of the Census

Hillsborough County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Hillsborough	100	1	8,820	3,739	5,081	3,390
Florida	Hillsborough	200	2	2,320	3,404	-1,084	3,543
Florida	Hillsborough	300	3	1,462	2,925	-1,463	2,780
Florida	Hillsborough	401	4.01	1,267	1,029	238	969
Florida	Hillsborough	402	4.02	1,913	885	1,028	1,249
Florida	Hillsborough	500	5	921	1,848	-927	1,684
Florida	Hillsborough	600	6	1,707	3,136	-1,429	3,039
Florida	Hillsborough	700	7	605	2,128	-1,523	2,354
Florida	Hillsborough	800	8	860	1,543	-683	1,407
Florida	Hillsborough	900	9	882	3,156	-2,274	3,226
Florida	Hillsborough	1000	10	2,998	2,657	341	2,872
Florida	Hillsborough	1100	11	532	1,178	-646	1,051
Florida	Hillsborough	1200	12	479	1,127	-648	1,220
Florida	Hillsborough	1300	13	2,071	2,192	-121	2,420
Florida	Hillsborough	1400	14	646	1,686	-1,040	1,826
Florida	Hillsborough	1500	15	461	1,366	-905	1,212
Florida	Hillsborough	1600	16	732	1,185	-453	1,010
Florida	Hillsborough	1700	17	1,883	1,803	80	1,878
Florida	Hillsborough	1800	18	949	1,103	-154	1,390
Florida	Hillsborough	1900	19	1,370	880	490	1,011
Florida	Hillsborough	2000	20	404	853	-449	925
Florida	Hillsborough	2100	21	463	1,167	-704	1,194
Florida	Hillsborough	2200	22	1,039	944	95	852
Florida	Hillsborough	2300	23	1,050	1,633	-583	1,438
Florida	Hillsborough	2400	24	1,550	1,626	-76	1,903
Florida	Hillsborough	2500	25	9,955	2,826	7,129	2,926
Florida	Hillsborough	2600	26	20,867	784	20,083	785
Florida	Hillsborough	2700	27	4,600	2,710	1,890	2,986
Florida	Hillsborough	2800	28	352	1,343	-991	1,358
Florida	Hillsborough	2900	29	631	751	-120	919
Florida	Hillsborough	3000	30	448	875	-427	1,233
Florida	Hillsborough	3100	31	692	736	-44	1,244
Florida	Hillsborough	3200	32	240	685	-445	1,008
Florida	Hillsborough	3300	33	274	530	-256	884
Florida	Hillsborough	3400	34	943	660	283	1,160
Florida	Hillsborough	3500	35	741	741	0	996
Florida	Hillsborough	3600	36	2,975	1,101	1,874	1,275

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Florida	Hillsborough	3700	37	10,915	591	10,324	682
Florida	Hillsborough	3800	38	2,261	473	1,788	601
Florida	Hillsborough	3900	39	4,887	466	4,421	843
Florida	Hillsborough	4000	40	240	223	17	519
Florida	Hillsborough	4100	41	313	274	39	574
Florida	Hillsborough	4200	42	1,318	546	772	485
Florida	Hillsborough	4300	43	794	442	352	1,281
Florida	Hillsborough	4400	44	672	620	52	903
Florida	Hillsborough	4500	45	1,134	1,266	-132	1,562
Florida	Hillsborough	4600	46	30,458	1,075	29,383	1,095
Florida	Hillsborough	4700	47	5,787	1,396	4,391	1,435
Florida	Hillsborough	4800	48	4,899	1,756	3,143	1,877
Florida	Hillsborough	4900	49	2,695	1,995	700	1,930
Florida	Hillsborough	5000	50	6,341	662	5,679	1,071
Florida	Hillsborough	5101	51.01	35,934	142	35,792	303
Florida	Hillsborough	5102	51.02	1,651	1,119	532	1,112
Florida	Hillsborough	5300	53	4,658	819	3,839	817
Florida	Hillsborough	5400	54	4,702	3,006	1,696	2,699
Florida	Hillsborough	5500	55	3,595	1,066	2,529	1,158
Florida	Hillsborough	5700	57	4,079	2,460	1,619	2,406
Florida	Hillsborough	5800	58	4,090	2,303	1,787	2,101
Florida	Hillsborough	5900	59	6,009	2,446	3,563	2,230
Florida	Hillsborough	6000	60	2,109	2,529	-420	2,290
Florida	Hillsborough	6100	61	2,790	3,974	-1,184	4,257
Florida	Hillsborough	6200	62	1,160	1,932	-772	1,645
Florida	Hillsborough	6300	63	913	1,940	-1,027	1,561
Florida	Hillsborough	6400	64	574	1,862	-1,288	1,529
Florida	Hillsborough	6500	65	1,489	3,312	-1,823	3,818
Florida	Hillsborough	6600	66	1,907	1,788	119	1,970
Florida	Hillsborough	6700	67	1,953	2,826	-873	2,438
Florida	Hillsborough	6801	68.01	678	2,172	-1,494	2,045
Florida	Hillsborough	6802	68.02	664	1,634	-970	1,528
Florida	Hillsborough	6900	69	306	2,649	-2,343	2,231
Florida	Hillsborough	7000	70	2,205	2,847	-642	2,683
Florida	Hillsborough	7100	71	2,015	3,417	-1,402	2,864
Florida	Hillsborough	7200	72	760	1,399	-639	1,328
Florida	Hillsborough	7300	73	8,350	1,354	6,996	638
Florida	Hillsborough	10103	101.03	876	1,720	-844	1,450
Florida	Hillsborough	10105	101.05	280	1,849	-1,569	1,412
Florida	Hillsborough	10106	101.06	986	2,447	-1,461	1,693
Florida	Hillsborough	10107	101.07	277	984	-707	1,944
Florida	Hillsborough	10108	101.08	145	630	-485	745
Florida	Hillsborough	10203	102.03	558	903	-345	924
Florida	Hillsborough	10204	102.04	435	1,992	-1,557	1,508
Florida	Hillsborough	10205	102.05	238	2,390	-2,152	1,871
Florida	Hillsborough	10206	102.06	70	1,120	-1,050	1,192

Florida	Hillsborough	10207	102.07	1,180	2,925	-1,745	2,536
Florida	Hillsborough	10208	102.08	261	1,105	-844	936
Florida	Hillsborough	10303	103.03	506	1,188	-682	1,256
Florida	Hillsborough	10304	103.04	463	1,528	-1,065	1,276
Florida	Hillsborough	10305	103.05	2,295	1,180	1,115	1,113
Florida	Hillsborough	10401	104.01	327	3,007	-2,680	2,486
Florida	Hillsborough	10402	104.02	9,549	2,212	7,337	1,861
Florida	Hillsborough	10500	105	3,836	3,316	520	3,250
Florida	Hillsborough	10600	106	673	1,135	-462	1,169
Florida	Hillsborough	10701	107.01	3,244	3,024	220	2,383
Florida	Hillsborough	10702	107.02	1,088	1,562	-474	1,266
Florida	Hillsborough	10803	108.03	4,191	4,502	-311	4,415
Florida	Hillsborough	10804	108.04	5,417	5,911	-494	5,212
Florida	Hillsborough	10805	108.05	1,339	1,355	-16	1,716
Florida	Hillsborough	10806	108.06	6,239	3,411	2,828	4,059
Florida	Hillsborough	10807	108.07	1,161	2,562	-1,401	3,587
Florida	Hillsborough	10808	108.08	602	1,396	-794	1,717
Florida	Hillsborough	10900	109	11,024	97	10,927	8
Florida	Hillsborough	11003	110.03	1,877	2,404	-527	2,347
Florida	Hillsborough	11005	110.05	403	988	-585	750
Florida	Hillsborough	11006	110.06	593	2,484	-1,891	1,737
Florida	Hillsborough	11007	110.07	544	1,546	-1,002	1,175
Florida	Hillsborough	11008	110.08	3,082	1,954	1,128	1,563
Florida	Hillsborough	11009	110.09	537	1,273	-736	1,533
Florida	Hillsborough	11010	110.1	307	1,566	-1,259	1,342
Florida	Hillsborough	11011	110.11	2,864	4,311	-1,447	3,507
Florida	Hillsborough	11103	111.03	515	1,622	-1,107	1,198
Florida	Hillsborough	11104	111.04	288	838	-550	691
Florida	Hillsborough	11105	111.05	125	742	-617	484
Florida	Hillsborough	11106	111.06	34	1,231	-1,197	1,067
Florida	Hillsborough	11107	111.07	1,555	3,086	-1,531	2,426
Florida	Hillsborough	11108	111.08	899	522	377	911
Florida	Hillsborough	11203	112.03	299	1,916	-1,617	1,633
Florida	Hillsborough	11204	112.04	1,622	3,222	-1,600	2,764
Florida	Hillsborough	11205	112.05	538	1,253	-715	1,228
Florida	Hillsborough	11206	112.06	1,120	1,194	-74	1,344
Florida	Hillsborough	11301	113.01	2,187	1,571	616	1,205
Florida	Hillsborough	11302	113.02	2,617	4,254	-1,637	3,655
Florida	Hillsborough	11406	114.06	810	4,854	-4,044	3,903
Florida	Hillsborough	11407	114.07	1,685	1,140	545	1,204
Florida	Hillsborough	11408	114.08	461	1,541	-1,080	1,063
Florida	Hillsborough	11409	114.09	2,232	1,504	728	1,321
Florida	Hillsborough	11410	114.1	1,364	2,938	-1,574	1,910
Florida	Hillsborough	11411	114.11	141	679	-538	406
Florida	Hillsborough	11412	114.12	2,009	1,232	777	1,012
Florida	Hillsborough	11413	114.13	270	2,702	-2,432	2,094

Florida	Hillsborough	11414	114.14	604	2,364	-1,760	1,730
Florida	Hillsborough	11415	114.15	626	2,362	-1,736	1,755
Florida	Hillsborough	11416	114.16	2,210	3,754	-1,544	2,792
Florida	Hillsborough	11504	115.04	451	995	-544	821
Florida	Hillsborough	11505	115.05	2,874	3,197	-323	2,562
Florida	Hillsborough	11506	115.06	289	2,026	-1,737	1,565
Florida	Hillsborough	11507	115.07	529	2,308	-1,779	1,834
Florida	Hillsborough	11508	115.08	417	1,795	-1,378	1,343
Florida	Hillsborough	11509	115.09	360	2,429	-2,069	1,638
Florida	Hillsborough	11510	115.1	153	530	-377	471
Florida	Hillsborough	11511	115.11	789	3,897	-3,108	3,367
Florida	Hillsborough	11512	115.12	267	1,514	-1,247	1,114
Florida	Hillsborough	11513	115.13	1,312	3,182	-1,870	2,651
Florida	Hillsborough	11514	115.14	459	3,421	-2,962	2,122
Florida	Hillsborough	11515	115.15	693	2,209	-1,516	1,360
Florida	Hillsborough	11516	115.16	990	1,226	-236	884
Florida	Hillsborough	11603	116.03	581	2,145	-1,564	1,516
Florida	Hillsborough	11605	116.05	14,636	2,515	12,121	2,058
Florida	Hillsborough	11606	116.06	917	2,396	-1,479	2,214
Florida	Hillsborough	11607	116.07	521	3,491	-2,970	2,901
Florida	Hillsborough	11608	116.08	50	716	-666	484
Florida	Hillsborough	11609	116.09	364	5,097	-4,733	3,972
Florida	Hillsborough	11610	116.1	284	2,173	-1,889	2,317
Florida	Hillsborough	11611	116.11	4,972	2,190	2,782	1,513
Florida	Hillsborough	11612	116.12	817	3,388	-2,571	2,502
Florida	Hillsborough	11613	116.13	1,789	2,577	-788	2,181
Florida	Hillsborough	11703	117.03	1,018	3,553	-2,535	3,226
Florida	Hillsborough	11705	117.05	682	450	232	347
Florida	Hillsborough	11706	117.06	4,352	3,782	570	3,140
Florida	Hillsborough	11707	117.07	129	1,884	-1,755	1,728
Florida	Hillsborough	11708	117.08	7,050	2,496	4,554	1,983
Florida	Hillsborough	11802	118.02	2,183	2,921	-738	2,372
Florida	Hillsborough	11803	118.03	1,115	3,238	-2,123	2,971
Florida	Hillsborough	11804	118.04	3,181	2,181	1,000	1,832
Florida	Hillsborough	11901	119.01	1,491	2,860	-1,369	2,644
Florida	Hillsborough	11902	119.02	2,663	3,079	-416	2,852
Florida	Hillsborough	11903	119.03	1,650	3,869	-2,219	3,380
Florida	Hillsborough	12001	120.01	3,984	1,183	2,801	1,031
Florida	Hillsborough	12002	120.02	4,242	1,391	2,851	1,371
Florida	Hillsborough	12103	121.03	13,314	1,780	11,534	1,656
Florida	Hillsborough	12104	121.04	1,331	2,455	-1,124	2,244
Florida	Hillsborough	12105	121.05	2,015	2,960	-945	2,553
Florida	Hillsborough	12106	121.06	1,292	1,740	-448	1,280
Florida	Hillsborough	12204	122.04	1,173	1,642	-469	1,976
Florida	Hillsborough	12205	122.05	14,293	3,043	11,250	2,241
Florida	Hillsborough	12206	122.06	321	2,822	-2,501	1,863

Florida	Hillsborough	12207	122.07	530	3,129	-2,599	2,111
Florida	Hillsborough	12208	122.08	351	2,813	-2,462	1,790
Florida	Hillsborough	12301	123.01	3,803	2,669	1,134	2,209
Florida	Hillsborough	12303	123.03	799	1,512	-713	1,271
Florida	Hillsborough	12304	123.04	875	1,730	-855	1,288
Florida	Hillsborough	12401	124.01	927	1,960	-1,033	1,600
Florida	Hillsborough	12402	124.02	475	889	-414	794
Florida	Hillsborough	12403	124.03	693	1,728	-1,035	1,325
Florida	Hillsborough	12501	125.01	4,603	1,715	2,888	1,655
Florida	Hillsborough	12502	125.02	650	3,108	-2,458	2,738
Florida	Hillsborough	12600	126	2,460	1,906	554	1,803
Florida	Hillsborough	12701	127.01	2,795	2,144	651	2,058
Florida	Hillsborough	12702	127.02	1,423	1,533	-110	1,419
Florida	Hillsborough	12800	128	1,917	1,529	388	1,348
Florida	Hillsborough	12900	129	1,584	880	704	1,138
Florida	Hillsborough	13001	130.01	1,715	1,280	435	968
Florida	Hillsborough	13002	130.02	1,763	1,716	47	1,203
Florida	Hillsborough	13003	130.03	716	858	-142	747
Florida	Hillsborough	13004	130.04	336	1,328	-992	1,030
Florida	Hillsborough	13100	131	322	1,226	-904	928
Florida	Hillsborough	13203	132.03	653	1,194	-541	829
Florida	Hillsborough	13204	132.04	264	1,150	-886	1,395
Florida	Hillsborough	13205	132.05	301	2,862	-2,561	1,846
Florida	Hillsborough	13206	132.06	428	2,008	-1,580	1,353
Florida	Hillsborough	13207	132.07	396	1,131	-735	972
Florida	Hillsborough	13208	132.08	577	2,223	-1,646	1,646
Florida	Hillsborough	13305	133.05	1,033	1,677	-644	1,190
Florida	Hillsborough	13306	133.06	6,129	1,235	4,894	1,087
Florida	Hillsborough	13307	133.07	3,148	2,143	1,005	1,660
Florida	Hillsborough	13308	133.08	1,434	3,053	-1,619	2,661
Florida	Hillsborough	13309	133.09	911	6,023	-5,112	4,273
Florida	Hillsborough	13310	133.1	144	1,669	-1,525	1,096
Florida	Hillsborough	13311	133.11	4,271	1,599	2,672	1,407
Florida	Hillsborough	13312	133.12	776	1,987	-1,211	1,686
Florida	Hillsborough	13313	133.13	503	2,126	-1,623	1,674
Florida	Hillsborough	13314	133.14	617	1,552	-935	1,063
Florida	Hillsborough	13404	134.04	598	2,158	-1,560	1,790
Florida	Hillsborough	13405	134.05	1,342	2,597	-1,255	1,846
Florida	Hillsborough	13406	134.06	165	688	-523	510
Florida	Hillsborough	13407	134.07	978	3,348	-2,370	2,215
Florida	Hillsborough	13408	134.08	661	4,790	-4,129	3,183
Florida	Hillsborough	13409	134.09	347	2,063	-1,716	1,448
Florida	Hillsborough	13501	135.01	1,642	1,079	563	1,070
Florida	Hillsborough	13503	135.03	1,158	1,105	53	1,269
Florida	Hillsborough	13504	135.04	118	1,483	-1,365	1,209
Florida	Hillsborough	13505	135.05	1,318	1,287	31	1,103

Florida	Hillsborough	13601	136.01	2,115	558	1,557	507
Florida	Hillsborough	13602	136.02	1,375	820	555	669
Florida	Hillsborough	13701	137.01	1,028	3,074	-2,046	2,443
Florida	Hillsborough	13702	137.02	447	1,219	-772	1,263
Florida	Hillsborough	13801	138.01	472	784	-312	839
Florida	Hillsborough	13802	138.02	1,095	1,058	37	1,060
Florida	Hillsborough	13803	138.03	244	551	-307	659
Florida	Hillsborough	13804	138.04	544	719	-175	571
Florida	Hillsborough	13805	138.05	176	1,311	-1,135	1,187
Florida	Hillsborough	13903	139.03	301	1,348	-1,047	1,102
Florida	Hillsborough	13906	139.06	1,073	2,141	-1,068	1,669
Florida	Hillsborough	13907	139.07	194	857	-663	714
Florida	Hillsborough	13908	139.08	107	705	-598	1,464
Florida	Hillsborough	13909	139.09	739	2,146	-1,407	1,569
Florida	Hillsborough	13910	139.1	695	3,072	-2,377	2,103
Florida	Hillsborough	13911	139.11	555	1,715	-1,160	1,348
Florida	Hillsborough	13912	139.12	64	1,060	-996	872
Florida	Hillsborough	14002	140.02	77	407	-330	945
Florida	Hillsborough	14003	140.03	44	425	-381	343
Florida	Hillsborough	14004	140.04	1,794	969	825	4,628
Florida	Hillsborough	14005	140.05	601	797	-196	3,802
Florida	Hillsborough	14006	140.06	517	353	164	2,578
Florida	Hillsborough	14104	141.04	468	529	-61	1,745
Florida	Hillsborough	14105	141.05	533	2,389	-1,856	2,055
Florida	Hillsborough	14106	141.06	661	1,172	-511	1,349
Florida	Hillsborough	14107	141.07	1,686	808	878	803
Florida	Hillsborough	14108	141.08	595	1,670	-1,075	1,776
Florida	Hillsborough	14109	141.09	301	801	-500	1,054

Lake County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Lake	30101	301.01	2,966	3,746	-780	3,835
Florida	Lake	30102	301.02	431	1,290	-859	2,154
Florida	Lake	30103	301.03	987	3,930	-2,943	4,058
Florida	Lake	30201	302.01	2,526	2,648	-122	3,875
Florida	Lake	30203	302.03	722	2,021	-1,299	2,301
Florida	Lake	30204	302.04	7,518	1,566	5,952	1,728
Florida	Lake	30205	302.05	1,578	1,985	-407	2,496
Florida	Lake	30302	303.02	1,481	1,306	175	2,063
Florida	Lake	30303	303.03	1,970	2,237	-267	3,943
Florida	Lake	30304	303.04	536	1,843	-1,307	3,772
Florida	Lake	30402	304.02	1,546	3,441	-1,895	3,862
Florida	Lake	30403	304.03	1,530	2,243	-713	3,307
Florida	Lake	30404	304.04	2,212	2,013	199	6,454
Florida	Lake	30501	305.01	4,970	2,264	2,706	3,221
Florida	Lake	30502	305.02	1,972	1,976	-4	2,353
Florida	Lake	30601	306.01	1,761	1,493	268	2,370
Florida	Lake	30602	306.02	4,869	1,029	3,840	1,332
Florida	Lake	30701	307.01	1,601	810	791	1,320
Florida	Lake	30702	307.02	1,329	1,036	293	1,058
Florida	Lake	30801	308.01	5,780	2,271	3,509	4,173
Florida	Lake	30802	308.02	771	1,524	-753	3,281
Florida	Lake	30902	309.02	2,085	3,748	-1,663	3,000
Florida	Lake	30911	309.11	3,232	3,082	150	3,837
Florida	Lake	30912	309.12	1,873	1,933	-60	2,331
Florida	Lake	31000	310	1,867	1,886	-19	1,747
Florida	Lake	31100	311	2,226	3,138	-912	6,462
Florida	Lake	31201	312.01	3,582	3,905	-323	4,605
Florida	Lake	31202	312.02	1,028	2,185	-1,157	2,063
Florida	Lake	31301	313.01	488	1,973	-1,485	1,571
Florida	Lake	31303	313.03	2,108	8,295	-6,187	7,277
Florida	Lake	31304	313.04	1,944	5,938	-3,994	4,478
Florida	Lake	31305	313.05	3,351	2,721	630	2,503

Source: Census Transportation Planning Package Part III Table 1
          Census 2000 Summary File 1 Table H1
          Bureau of the Census

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Levy County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Levy	970100	9701	200	2,968	-2,768	3,370
Florida	Levy	970200	9702	181	1,318	-1,137	1,755
Florida	Levy	970300	9703	200	2,385	-2,185	3,400
Florida	Levy	970400	9704	240	1,169	-929	1,665
Florida	Levy	970500	9705	167	2,286	-2,119	2,693
Florida	Levy	970600	9706	421	1,507	-1,086	1,610
Florida	Levy	970700	9707	154	1,204	-1,050	2,077

Manatee County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Manatee	101	1.01	10,253	611	9,642	1,763
Florida	Manatee	103	1.03	1,851	1,588	263	1,573
Florida	Manatee	104	1.04	4,030	2,996	1,034	3,377
Florida	Manatee	200	2	1,991	1,668	323	5,730
Florida	Manatee	301	3.01	1,642	3,454	-1,812	3,808
Florida	Manatee	302	3.02	2,422	2,900	-478	4,515
Florida	Manatee	304	3.04	418	905	-487	1,724
Florida	Manatee	305	3.05	991	2,336	-1,345	1,814
Florida	Manatee	306	3.06	509	1,740	-1,231	2,764
Florida	Manatee	403	4.03	370	730	-360	772
Florida	Manatee	405	4.05	1,117	1,196	-79	1,265
Florida	Manatee	406	4.06	1,561	1,515	46	2,521
Florida	Manatee	407	4.07	3,153	1,064	2,089	2,233
Florida	Manatee	408	4.08	881	2,312	-1,431	3,002
Florida	Manatee	501	5.01	1,542	1,657	-115	1,286
Florida	Manatee	503	5.03	129	1,955	-1,826	1,714
Florida	Manatee	504	5.04	723	1,624	-901	1,525
Florida	Manatee	601	6.01	689	1,617	-928	1,430
Florida	Manatee	602	6.02	1,754	3,020	-1,266	4,548
Florida	Manatee	702	7.02	1,410	3,067	-1,657	4,063
Florida	Manatee	703	7.03	7,402	1,128	6,274	1,146
Florida	Manatee	803	8.03	3,896	2,990	906	2,171
Florida	Manatee	804	8.04	306	1,033	-727	1,334
Florida	Manatee	805	8.05	8,694	1,824	6,870	1,682
Florida	Manatee	807	8.07	156	926	-770	1,466
Florida	Manatee	808	8.08	449	2,034	-1,585	2,439
Florida	Manatee	809	8.09	674	2,229	-1,555	2,149
Florida	Manatee	810	8.1	695	1,374	-679	2,242
Florida	Manatee	901	9.01	509	2,076	-1,567	1,907
Florida	Manatee	902	9.02	5,415	2,765	2,650	2,323
Florida	Manatee	1000	10	856	1,998	-1,142	3,171
Florida	Manatee	1101	11.01	1,052	2,225	-1,173	4,102
Florida	Manatee	1103	11.03	2,228	2,324	-96	3,253
Florida	Manatee	1104	11.04	505	1,597	-1,092	2,713
Florida	Manatee	1202	12.02	1,939	2,263	-324	1,892
Florida	Manatee	1203	12.03	1,381	2,200	-819	1,819
Florida	Manatee	1204	12.04	607	2,627	-2,020	2,811

Florida	Manatee	1300	13	2,424	1,782	642	1,820
Florida	Manatee	1401	14.01	1,347	3,226	-1,879	3,651
Florida	Manatee	1402	14.02	109	621	-512	982
Florida	Manatee	1501	15.01	309	1,106	-797	1,011
Florida	Manatee	1502	15.02	1,662	2,348	-686	1,900
Florida	Manatee	1600	16	1,945	2,003	-58	4,049
Florida	Manatee	1701	17.01	1,168	1,093	75	2,586
Florida	Manatee	1703	17.03	789	525	264	1,781
Florida	Manatee	1704	17.04	364	108	256	1,308
Florida	Manatee	1800	18	1,715	2,463	-748	4,916
Florida	Manatee	1904	19.04	1,476	1,549	-73	2,155
Florida	Manatee	1905	19.05	1,611	1,728	-117	1,308
Florida	Manatee	1906	19.06	568	1,992	-1,424	2,169
Florida	Manatee	1907	19.07	1,353	1,079	274	1,637
Florida	Manatee	1908	19.08	234	1,218	-984	3,071
Florida	Manatee	2003	20.03	421	2,077	-1,656	1,762
Florida	Manatee	2004	20.04	1,645	3,612	-1,967	3,432
Florida	Manatee	2005	20.05	487	666	-179	1,152
Florida	Manatee	2006	20.06	933	2,610	-1,677	2,212
Florida	Manatee	2007	20.07	480	1,173	-693	1,051
Florida	Manatee	2008	20.08	540	2,677	-2,137	1,914
Florida	Manatee	2009	20.09	949	1,110	-161	1,176
Florida	Manatee	2010	20.1	405	1,736	-1,331	1,038

Source: Census Transportation Planning Package Part III Table 1
Census 2000 Summary File 1 Table H1
Bureau of the Census

Marion County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Marion	100	1	1,171	2,343	-1,172	2,345
Florida	Marion	200	2	1,264	3,019	-1,755	3,178
Florida	Marion	301	3.01	1,566	1,525	41	1,368
Florida	Marion	302	3.02	990	1,388	-398	1,539
Florida	Marion	400	4	291	2,905	-2,614	3,857
Florida	Marion	500	5	255	986	-731	3,342
Florida	Marion	601	6.01	689	1,305	-616	2,220
Florida	Marion	602	6.02	467	1,834	-1,367	3,084
Florida	Marion	603	6.03	150	2,219	-2,069	3,263
Florida	Marion	701	7.01	242	1,819	-1,577	2,122
Florida	Marion	702	7.02	441	2,065	-1,624	2,650
Florida	Marion	800	8	1,777	4,002	-2,225	6,207
Florida	Marion	901	9.01	1,105	2,096	-991	2,564
Florida	Marion	902	9.02	822	3,073	-2,251	3,088
Florida	Marion	1001	10.01	1,160	2,569	-1,409	7,846
Florida	Marion	1002	10.02	530	2,820	-2,290	3,564
Florida	Marion	1101	11.01	4,239	3,443	796	3,746
Florida	Marion	1102	11.02	918	1,145	-227	1,245
Florida	Marion	1203	12.03	1,594	5,100	-3,506	6,779
Florida	Marion	1204	12.04	224	1,586	-1,362	1,772
Florida	Marion	1301	13.01	1,037	2,227	-1,190	2,083
Florida	Marion	1302	13.02	1,298	2,557	-1,259	2,475
Florida	Marion	1401	14.01	3,451	2,259	1,192	2,135
Florida	Marion	1402	14.02	2,757	1,944	813	2,813
Florida	Marion	1500	15	2,627	1,568	1,059	1,893
Florida	Marion	1600	16	8,496	1,127	7,369	1,156
Florida	Marion	1700	17	1,533	1,389	144	1,748
Florida	Marion	1800	18	796	594	202	927
Florida	Marion	1900	19	14,236	1,124	13,112	1,323
Florida	Marion	2001	20.01	2,468	1,275	1,193	1,323
Florida	Marion	2002	20.02	1,587	1,276	311	1,652
Florida	Marion	2100	21	3,552	2,238	1,314	2,044
Florida	Marion	2201	22.01	950	1,415	-465	1,429
Florida	Marion	2202	22.02	426	1,776	-1,350	1,480
Florida	Marion	2203	22.03	726	2,500	-1,774	2,171
Florida	Marion	2301	23.01	3,609	2,157	1,452	2,358
Florida	Marion	2302	23.02	862	3,038	-2,176	2,558

Florida	Marion	2401	24.01	8,432	1,554	6,878	1,577
Florida	Marion	2402	24.02	1,124	1,957	-833	1,904
Florida	Marion	2501	25.01	4,897	3,697	1,200	4,449
Florida	Marion	2502	25.02	2,784	2,018	766	2,855
Florida	Marion	2601	26.01	860	2,155	-1,295	2,433
Florida	Marion	2602	26.02	577	1,979	-1,402	2,144
Florida	Marion	2603	26.03	913	1,518	-605	4,445
Florida	Marion	2701	27.01	275	1,645	-1,370	2,391
Florida	Marion	2702	27.02	1,976	1,555	421	3,118

Source: Census Transportation Planning Package Part III Table 1
            Census 2000 Summary File 1 Table H1
            Bureau of the Census

Pasco County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Pasco	30100	301	1,356	2,000	-644	2,710
Florida	Pasco	30201	302.01	6,235	1,819	4,416	4,073
Florida	Pasco	30202	302.02	1,095	1,262	-167	2,373
Florida	Pasco	30300	303	2,824	2,738	86	5,233
Florida	Pasco	30401	304.01	851	2,576	-1,725	3,261
Florida	Pasco	30402	304.02	621	2,588	-1,967	4,119
Florida	Pasco	30403	304.03	817	2,661	-1,844	4,679
Florida	Pasco	30500	305	1,386	2,463	-1,077	3,985
Florida	Pasco	30600	306	1,413	1,833	-420	2,595
Florida	Pasco	30700	307	937	1,397	-460	1,877
Florida	Pasco	30800	308	2,998	1,192	1,806	1,681
Florida	Pasco	30901	309.01	2,530	1,528	1,002	1,989
Florida	Pasco	30902	309.02	2,930	3,193	-263	4,410
Florida	Pasco	31001	310.01	1,422	1,697	-275	3,127
Florida	Pasco	31002	310.02	969	2,225	-1,256	3,898
Florida	Pasco	31003	310.03	234	1,747	-1,513	2,659
Florida	Pasco	31004	310.04	1,353	2,080	-727	2,935
Florida	Pasco	31005	310.05	611	1,165	-554	1,860
Florida	Pasco	31006	310.06	251	610	-359	829
Florida	Pasco	31007	310.07	1,040	1,665	-625	2,475
Florida	Pasco	31008	310.08	725	968	-243	1,173
Florida	Pasco	31101	311.01	2,430	1,274	1,156	2,268
Florida	Pasco	31102	311.02	1,033	1,394	-361	3,007
Florida	Pasco	31201	312.01	2,111	2,637	-526	4,662
Florida	Pasco	31202	312.02	1,008	2,711	-1,703	2,931
Florida	Pasco	31300	313	704	1,754	-1,050	2,475
Florida	Pasco	31401	314.01	2,530	1,947	583	2,037
Florida	Pasco	31402	314.02	1,954	1,840	114	3,207
Florida	Pasco	31403	314.03	1,269	2,626	-1,357	3,509
Florida	Pasco	31404	314.04	1,088	1,399	-311	1,925
Florida	Pasco	31405	314.05	1,521	750	771	807
Florida	Pasco	31501	315.01	913	2,935	-2,022	3,348
Florida	Pasco	31502	315.02	680	2,459	-1,779	2,254
Florida	Pasco	31503	315.03	287	865	-578	1,331
Florida	Pasco	31504	315.04	226	809	-583	494
Florida	Pasco	31600	316	1,902	3,173	-1,271	2,775
Florida	Pasco	31701	317.01	589	210	379	484

Florida	Pasco	31702	317.02	500	2,298	-1,798	3,786
Florida	Pasco	31703	317.03	217	1,873	-1,656	2,014
Florida	Pasco	31704	317.04	2,939	1,764	1,175	1,713
Florida	Pasco	31705	317.05	823	1,593	-770	1,642
Florida	Pasco	31706	317.06	171	495	-324	1,349
Florida	Pasco	31801	318.01	1,518	1,857	-339	2,677
Florida	Pasco	31802	318.02	584	2,123	-1,539	2,258
Florida	Pasco	31803	318.03	620	2,529	-1,909	2,564
Florida	Pasco	31900	319	2,628	1,901	727	1,688
Florida	Pasco	32001	320.01	1,252	813	439	822
Florida	Pasco	32002	320.02	895	4,936	-4,041	3,683
Florida	Pasco	32003	320.03	2,294	4,852	-2,558	3,699
Florida	Pasco	32004	320.04	707	4,302	-3,595	2,727
Florida	Pasco	32101	321.01	1,709	5,658	-3,949	5,260
Florida	Pasco	32102	321.02	907	1,508	-601	1,154
Florida	Pasco	32200	322	1,181	1,291	-110	924
Florida	Pasco	32300	323	176	843	-667	696
Florida	Pasco	32400	324	508	2,018	-1,510	2,354
Florida	Pasco	32500	325	1,936	1,945	-9	1,607
Florida	Pasco	32600	326	5,395	2,760	2,635	2,869
Florida	Pasco	32700	327	428	752	-324	1,663
Florida	Pasco	32800	328	4,195	2,941	1,254	3,657
Florida	Pasco	32900	329	1,103	2,507	-1,404	5,119
Florida	Pasco	33001	330.01	443	2,407	-1,964	4,494
Florida	Pasco	33002	330.02	1,487	1,373	114	2,784
Florida	Pasco	33003	330.03	1,711	1,274	437	4,310
Florida	Pasco	33004	330.04	999	2,532	-1,533	4,936
Florida	Pasco	33100	331	805	984	-179	1,813

Source: Census Transportation Planning Package Part III Table 1
          Census 2000 Summary File 1 Table H1
          Bureau of the Census

Pinellas County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Pinellas	20101	201.01	1,350	2,045	-695	2,600
Florida	Pinellas	20103	201.03	1,263	3,028	-1,765	6,319
Florida	Pinellas	20105	201.05	2,187	1,949	238	2,101
Florida	Pinellas	20201	202.01	424	2,192	-1,768	1,795
Florida	Pinellas	20202	202.02	431	1,327	-896	1,531
Florida	Pinellas	20204	202.04	512	3,641	-3,129	3,815
Florida	Pinellas	20205	202.05	893	3,598	-2,705	3,253
Florida	Pinellas	20301	203.01	699	1,451	-752	1,944
Florida	Pinellas	20302	203.02	184	2,162	-1,978	2,098
Florida	Pinellas	20400	204	321	1,119	-798	1,305
Florida	Pinellas	20500	205	367	1,260	-893	1,844
Florida	Pinellas	20600	206	246	1,158	-912	1,661
Florida	Pinellas	20700	207	1,595	1,142	453	1,546
Florida	Pinellas	20800	208	972	1,761	-789	1,892
Florida	Pinellas	20900	209	198	359	-161	608
Florida	Pinellas	21000	210	356	192	164	589
Florida	Pinellas	21200	212	443	1,068	-625	1,647
Florida	Pinellas	21300	213	6,742	290	6,452	332
Florida	Pinellas	21400	214	4,836	512	4,324	1,406
Florida	Pinellas	21500	215	10,865	1,369	9,496	2,469
Florida	Pinellas	21600	216	3,193	335	2,858	1,370
Florida	Pinellas	21800	218	1,815	1,334	481	1,575
Florida	Pinellas	21900	219	3,849	1,445	2,404	1,447
Florida	Pinellas	22000	220	1,009	1,444	-435	1,331
Florida	Pinellas	22100	221	1,479	2,505	-1,026	2,480
Florida	Pinellas	22200	222	1,324	1,959	-635	1,977
Florida	Pinellas	22301	223.01	1,282	1,342	-60	1,345
Florida	Pinellas	22302	223.02	1,873	1,658	215	1,778
Florida	Pinellas	22401	224.01	809	1,890	-1,081	1,733
Florida	Pinellas	22402	224.02	5,107	2,773	2,334	2,320
Florida	Pinellas	22501	225.01	3,553	2,719	834	2,630
Florida	Pinellas	22502	225.02	3,903	1,526	2,377	1,611
Florida	Pinellas	22503	225.03	1,447	2,734	-1,287	2,364
Florida	Pinellas	22601	226.01	376	1,556	-1,180	1,681
Florida	Pinellas	22602	226.02	701	2,246	-1,545	1,901
Florida	Pinellas	22700	227	1,116	1,846	-730	1,948
Florida	Pinellas	22801	228.01	1,138	1,978	-840	2,063

Florida	Pinellas	22802	228.02	606	1,453	-847	1,329
Florida	Pinellas	22901	229.01	2,744	1,268	1,476	1,320
Florida	Pinellas	22902	229.02	1,887	1,122	765	1,199
Florida	Pinellas	23000	230	1,281	1,177	104	1,092
Florida	Pinellas	23100	231	250	1,360	-1,110	1,299
Florida	Pinellas	23200	232	662	1,783	-1,121	1,546
Florida	Pinellas	23300	233	899	1,257	-358	1,218
Florida	Pinellas	23400	234	2,674	849	1,825	1,062
Florida	Pinellas	23500	235	1,023	1,891	-868	2,359
Florida	Pinellas	23600	236	1,255	1,957	-702	2,894
Florida	Pinellas	23700	237	382	1,468	-1,086	1,352
Florida	Pinellas	23800	238	897	1,336	-439	1,402
Florida	Pinellas	23900	239	1,617	1,037	580	1,098
Florida	Pinellas	24001	240.01	599	1,471	-872	1,623
Florida	Pinellas	24002	240.02	406	2,428	-2,022	2,877
Florida	Pinellas	24004	240.04	370	2,698	-2,328	2,169
Florida	Pinellas	24005	240.05	225	1,770	-1,545	1,324
Florida	Pinellas	24100	241	1,200	2,265	-1,065	2,858
Florida	Pinellas	24200	242	896	2,687	-1,791	2,308
Florida	Pinellas	24301	243.01	601	2,076	-1,475	1,677
Florida	Pinellas	24302	243.02	1,087	1,777	-690	2,091
Florida	Pinellas	24403	244.03	1,202	1,913	-711	1,973
Florida	Pinellas	24404	244.04	1,221	3,745	-2,524	3,967
Florida	Pinellas	24405	244.05	5,680	4,210	1,470	4,171
Florida	Pinellas	24406	244.06	1,377	3,500	-2,123	2,960
Florida	Pinellas	24407	244.07	19,859	3,476	16,383	4,349
Florida	Pinellas	24502	245.02	7,861	5,467	2,394	5,167
Florida	Pinellas	24503	245.03	8,996	3,082	5,914	2,678
Florida	Pinellas	24505	245.05	5,471	2,507	2,964	2,923
Florida	Pinellas	24506	245.06	15,378	1,404	13,974	3,806
Florida	Pinellas	24507	245.07	916	1,934	-1,018	2,242
Florida	Pinellas	24508	245.08	4,508	2,004	2,504	1,958
Florida	Pinellas	24601	246.01	1,163	1,799	-636	2,214
Florida	Pinellas	24602	246.02	1,965	2,079	-114	3,111
Florida	Pinellas	24700	247	2,429	3,433	-1,004	4,087
Florida	Pinellas	24801	248.01	1,160	1,870	-710	1,990
Florida	Pinellas	24802	248.02	1,808	2,954	-1,146	3,263
Florida	Pinellas	24901	249.01	2,534	2,816	-282	2,229
Florida	Pinellas	24902	249.02	4,382	3,046	1,336	2,660
Florida	Pinellas	24904	249.04	1,216	2,024	-808	1,581
Florida	Pinellas	24905	249.05	491	3,296	-2,805	2,611
Florida	Pinellas	24906	249.06	1,469	1,977	-508	1,766
Florida	Pinellas	25001	250.01	3,402	3,087	315	4,958
Florida	Pinellas	25004	250.04	2,383	2,213	170	2,660
Florida	Pinellas	25007	250.07	1,063	2,114	-1,051	1,911
Florida	Pinellas	25009	250.09	5,860	2,274	3,586	1,737

Florida	Pinellas	25010	250.1	3,253	1,962	1,291	3,081
Florida	Pinellas	25011	250.11	7,421	2,760	4,661	1,827
Florida	Pinellas	25012	250.12	1,328	2,735	-1,407	2,626
Florida	Pinellas	25013	250.13	511	2,333	-1,822	1,702
Florida	Pinellas	25014	250.14	1,345	2,385	-1,040	2,093
Florida	Pinellas	25015	250.15	328	874	-546	2,247
Florida	Pinellas	25016	250.16	407	674	-267	885
Florida	Pinellas	25106	251.06	3,414	913	2,501	1,922
Florida	Pinellas	25107	251.07	900	1,591	-691	1,896
Florida	Pinellas	25108	251.08	492	785	-293	1,660
Florida	Pinellas	25109	251.09	1,330	1,784	-454	2,194
Florida	Pinellas	25110	251.1	671	2,534	-1,863	2,605
Florida	Pinellas	25111	251.11	1,938	616	1,322	2,533
Florida	Pinellas	25112	251.12	1,052	1,632	-580	1,762
Florida	Pinellas	25113	251.13	481	1,566	-1,085	1,332
Florida	Pinellas	25114	251.14	520	1,288	-768	1,571
Florida	Pinellas	25115	251.15	247	1,348	-1,101	1,862
Florida	Pinellas	25116	251.16	191	964	-773	1,046
Florida	Pinellas	25118	251.18	490	3,497	-3,007	3,302
Florida	Pinellas	25119	251.19	726	2,895	-2,169	2,431
Florida	Pinellas	25120	251.2	367	2,000	-1,633	1,330
Florida	Pinellas	25121	251.21	555	2,559	-2,004	1,844
Florida	Pinellas	25203	252.03	2,777	2,348	429	2,634
Florida	Pinellas	25204	252.04	1,049	1,376	-327	1,909
Florida	Pinellas	25205	252.05	349	1,483	-1,134	2,338
Florida	Pinellas	25206	252.06	2,016	2,535	-519	3,738
Florida	Pinellas	25207	252.07	984	2,975	-1,991	2,788
Florida	Pinellas	25301	253.01	3,259	3,024	235	3,294
Florida	Pinellas	25303	253.03	2,203	1,967	236	2,824
Florida	Pinellas	25304	253.04	1,154	1,244	-90	2,544
Florida	Pinellas	25305	253.05	1,270	1,123	147	2,125
Florida	Pinellas	25306	253.06	1,074	421	653	705
Florida	Pinellas	25401	254.01	362	2,099	-1,737	2,092
Florida	Pinellas	25404	254.04	2,681	3,167	-486	4,020
Florida	Pinellas	25405	254.05	2,651	1,557	1,094	3,019
Florida	Pinellas	25407	254.07	1,016	2,642	-1,626	2,397
Florida	Pinellas	25408	254.08	1,805	1,997	-192	3,025
Florida	Pinellas	25409	254.09	4,186	2,858	1,328	3,468
Florida	Pinellas	25410	254.1	830	2,330	-1,500	3,768
Florida	Pinellas	25411	254.11	1,562	884	678	711
Florida	Pinellas	25501	255.01	749	1,994	-1,245	1,783
Florida	Pinellas	25503	255.03	1,146	1,608	-462	2,478
Florida	Pinellas	25504	255.04	1,879	3,427	-1,548	3,693
Florida	Pinellas	25601	256.01	6,696	1,973	4,723	2,043
Florida	Pinellas	25602	256.02	776	1,272	-496	2,140
Florida	Pinellas	25700	257	1,358	1,529	-171	2,263

Florida	Pinellas	25800	258	1,175	1,755	-580	1,611
Florida	Pinellas	25901	259.01	7,359	64	7,295	557
Florida	Pinellas	25902	259.02	8,198	1,670	6,528	2,304
Florida	Pinellas	26001	260.01	677	1,122	-445	2,277
Florida	Pinellas	26002	260.02	3,136	1,595	1,541	2,974
Florida	Pinellas	26100	261	1,499	2,012	-513	2,005
Florida	Pinellas	26200	262	927	706	221	906
Florida	Pinellas	26300	263	1,112	3,354	-2,242	2,946
Florida	Pinellas	26400	264	3,490	2,964	526	2,886
Florida	Pinellas	26500	265	1,449	4,075	-2,626	2,962
Florida	Pinellas	26601	266.01	1,403	1,310	93	1,517
Florida	Pinellas	26602	266.02	2,563	1,212	1,351	1,252
Florida	Pinellas	26701	267.01	442	2,196	-1,754	1,991
Florida	Pinellas	26702	267.02	5,132	3,538	1,594	2,886
Florida	Pinellas	26703	267.03	7,224	2,677	4,547	2,899
Florida	Pinellas	26804	268.04	1,325	2,749	-1,424	2,570
Florida	Pinellas	26808	268.08	5,176	3,567	1,609	3,549
Florida	Pinellas	26809	268.09	774	1,552	-778	1,702
Florida	Pinellas	26810	268.1	1,829	3,135	-1,306	3,983
Florida	Pinellas	26811	268.11	967	2,914	-1,947	2,852
Florida	Pinellas	26812	268.12	3,660	1,939	1,721	2,237
Florida	Pinellas	26813	268.13	3,262	1,388	1,874	1,580
Florida	Pinellas	26814	268.14	1,136	761	375	1,196
Florida	Pinellas	26815	268.15	425	2,237	-1,812	1,944
Florida	Pinellas	26816	268.16	1,883	3,046	-1,163	2,637
Florida	Pinellas	26817	268.17	1,280	2,601	-1,321	2,267
Florida	Pinellas	26904	269.04	2,318	1,594	724	2,165
Florida	Pinellas	26905	269.05	2,714	2,057	657	5,079
Florida	Pinellas	26907	269.07	3,216	1,864	1,352	3,076
Florida	Pinellas	26908	269.08	765	2,035	-1,270	1,991
Florida	Pinellas	26909	269.09	1,257	2,202	-945	2,686
Florida	Pinellas	26910	269.1	1,908	2,367	-459	2,627
Florida	Pinellas	26911	269.11	171	1,296	-1,125	2,409
Florida	Pinellas	27000	270	1,609	2,534	-925	2,991
Florida	Pinellas	27101	271.01	3,963	1,504	2,459	2,464
Florida	Pinellas	27103	271.03	58	54	4	450
Florida	Pinellas	27104	271.04	434	1,941	-1,507	1,964
Florida	Pinellas	27105	271.05	551	1,893	-1,342	1,871
Florida	Pinellas	27201	272.01	1,164	2,548	-1,384	3,769
Florida	Pinellas	27202	272.02	1,842	2,888	-1,046	2,826
Florida	Pinellas	27204	272.04	1,063	1,776	-713	2,107
Florida	Pinellas	27205	272.05	2,291	2,767	-476	3,136
Florida	Pinellas	27206	272.06	3,142	3,422	-280	2,552
Florida	Pinellas	27207	272.07	2,279	2,512	-233	1,978
Florida	Pinellas	27208	272.08	1,672	3,598	-1,926	2,798
Florida	Pinellas	27308	273.08	1,541	1,490	51	1,527

Florida	Pinellas	27309	273.09	343	488	-145	721
Florida	Pinellas	27310	273.1	1,183	3,215	-2,032	2,794
Florida	Pinellas	27311	273.11	773	3,175	-2,402	3,272
Florida	Pinellas	27312	273.12	1,108	4,548	-3,440	4,533
Florida	Pinellas	27313	273.13	5,398	3,451	1,947	3,573
Florida	Pinellas	27314	273.14	390	1,368	-978	1,530
Florida	Pinellas	27315	273.15	2,574	1,321	1,253	3,154
Florida	Pinellas	27316	273.16	710	1,208	-498	2,163
Florida	Pinellas	27317	273.17	1,074	3,010	-1,936	2,484
Florida	Pinellas	27318	273.18	679	1,869	-1,190	1,863
Florida	Pinellas	27319	273.19	407	2,587	-2,180	2,192
Florida	Pinellas	27320	273.2	1,509	1,834	-325	1,457
Florida	Pinellas	27401	274.01	1,642	946	696	1,334
Florida	Pinellas	27402	274.02	4,153	1,708	2,445	3,047
Florida	Pinellas	27403	274.03	582	781	-199	886
Florida	Pinellas	27501	275.01	1,594	2,160	-566	2,431
Florida	Pinellas	27502	275.02	1,177	2,757	-1,580	3,162
Florida	Pinellas	27601	276.01	1,310	2,715	-1,405	4,032
Florida	Pinellas	27602	276.02	1,533	1,853	-320	3,401
Florida	Pinellas	27701	277.01	348	1,302	-954	2,049
Florida	Pinellas	27702	277.02	1,084	1,817	-733	4,958
Florida	Pinellas	27800	278	2,284	2,316	-32	3,971
Florida	Pinellas	27901	279.01	1,763	1,293	470	2,464
Florida	Pinellas	27902	279.02	514	2,613	-2,099	3,230
Florida	Pinellas	28001	280.01	3,061	2,249	812	4,901
Florida	Pinellas	28002	280.02	1,156	1,849	-693	2,914
Florida	Pinellas	28101	281.01	2,583	1,486	1,097	4,346
Florida	Pinellas	28102	281.02	500	1,470	-970	2,066
Florida	Pinellas	28200	282	438	1,027	-589	1,124
Florida	Pinellas	28300	283	1,195	1,709	-514	1,908
Florida	Pinellas	28401	284.01	54	142	-88	1,448
Florida	Pinellas	28402	284.02	244	588	-344	922
Florida	Pinellas	28500	285	400	1,015	-615	1,359

Source: Census Transportation Planning Package Part III Table 1
          Census 2000 Summary File 1 Table H1
          Bureau of the Census

Polk County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Polk	10100	101	5,797	143	5,654	240
Florida	Polk	10200	102	1,224	984	240	1,058
Florida	Polk	10300	103	5,514	1,574	3,940	1,885
Florida	Polk	10400	104	3,313	2,840	473	2,976
Florida	Polk	10500	105	2,895	3,184	-289	2,894
Florida	Polk	10601	106.01	1,629	1,772	-143	1,759
Florida	Polk	10602	106.02	861	3,070	-2,209	2,576
Florida	Polk	10701	107.01	1,625	1,938	-313	2,315
Florida	Polk	10702	107.02	1,716	1,439	277	1,776
Florida	Polk	10800	108	2,315	1,445	870	1,655
Florida	Polk	10900	109	762	1,363	-601	2,191
Florida	Polk	11000	110	4,897	837	4,060	1,659
Florida	Polk	11100	111	1,221	1,220	1	1,303
Florida	Polk	11201	112.01	2,461	1,831	630	2,045
Florida	Polk	11202	112.02	394	661	-267	1,016
Florida	Polk	11300	113	5,036	733	4,303	868
Florida	Polk	11400	114	2,737	1,228	1,509	1,689
Florida	Polk	11500	115	1,697	3,519	-1,822	3,766
Florida	Polk	11601	116.01	1,012	1,908	-896	2,015
Florida	Polk	11602	116.02	417	2,400	-1,983	3,386
Florida	Polk	11704	117.04	4,024	1,817	2,207	2,013
Florida	Polk	11721	117.21	419	1,525	-1,106	1,278
Florida	Polk	11722	117.22	1,101	1,041	60	1,766
Florida	Polk	11731	117.31	1,038	2,405	-1,367	1,801
Florida	Polk	11732	117.32	1,485	1,355	130	1,209
Florida	Polk	11801	118.01	3,309	3,328	-19	2,845
Florida	Polk	11821	118.21	148	1,569	-1,421	1,103
Florida	Polk	11822	118.22	292	1,931	-1,639	1,363
Florida	Polk	11831	118.31	4,030	3,824	206	3,012
Florida	Polk	11832	118.32	649	1,779	-1,130	1,351
Florida	Polk	11901	119.01	2,527	1,941	586	1,671
Florida	Polk	11902	119.02	3,387	1,587	1,800	1,437
Florida	Polk	11903	119.03	534	1,779	-1,245	1,451
Florida	Polk	11905	119.05	532	4,847	-4,315	3,456
Florida	Polk	12001	120.01	1,540	1,872	-332	1,689
Florida	Polk	12002	120.02	1,059	810	249	2,011
Florida	Polk	12003	120.03	1,709	1,386	323	2,521

Florida	Polk	12004	120.04	4,135	273	3,862	645
Florida	Polk	12111	121.11	404	1,629	-1,225	2,154
Florida	Polk	12112	121.12	587	2,819	-2,232	2,090
Florida	Polk	12113	121.13	769	1,779	-1,010	1,803
Florida	Polk	12122	121.22	303	3,399	-3,096	2,776
Florida	Polk	12123	121.23	4,254	1,805	2,449	2,834
Florida	Polk	12201	122.01	1,572	3,023	-1,451	3,583
Florida	Polk	12202	122.02	2,362	2,512	-150	2,907
Florida	Polk	12301	123.01	778	3,913	-3,135	3,026
Florida	Polk	12302	123.02	1,181	4,124	-2,943	3,080
Florida	Polk	12401	124.01	2,076	3,147	-1,071	3,411
Florida	Polk	12402	124.02	1,675	3,853	-2,178	6,084
Florida	Polk	12501	125.01	836	3,944	-3,108	6,201
Florida	Polk	12502	125.02	472	2,101	-1,629	1,988
Florida	Polk	12503	125.03	130	1,750	-1,620	1,639
Florida	Polk	12601	126.01	618	1,325	-707	1,745
Florida	Polk	12602	126.02	1,153	2,500	-1,347	1,906
Florida	Polk	12700	127	2,403	1,863	540	2,771
Florida	Polk	12800	128	3,478	2,086	1,392	6,169
Florida	Polk	12900	129	827	1,580	-753	1,781
Florida	Polk	13000	130	2,218	2,597	-379	2,912
Florida	Polk	13101	131.01	99	1,479	-1,380	1,141
Florida	Polk	13102	131.02	457	1,361	-904	1,596
Florida	Polk	13103	131.03	1,289	443	846	572
Florida	Polk	13200	132	3,416	698	2,718	770
Florida	Polk	13300	133	1,362	807	555	1,133
Florida	Polk	13400	134	268	1,867	-1,599	2,204
Florida	Polk	13500	135	1,824	1,434	390	1,822
Florida	Polk	13600	136	1,661	1,799	-138	2,514
Florida	Polk	13701	137.01	5,108	640	4,468	1,391
Florida	Polk	13702	137.02	2,103	2,208	-105	2,128
Florida	Polk	13801	138.01	680	1,764	-1,084	1,937
Florida	Polk	13802	138.02	2,176	2,661	-485	2,243
Florida	Polk	13901	139.01	3,439	1,276	2,163	1,441
Florida	Polk	13902	139.02	1,375	2,219	-844	1,917
Florida	Polk	14001	140.01	1,136	1,858	-722	2,002
Florida	Polk	14002	140.02	2,537	3,704	-1,167	3,852
Florida	Polk	14101	141.01	964	2,882	-1,918	3,462
Florida	Polk	14121	141.21	402	595	-193	497
Florida	Polk	14122	141.22	1,869	2,226	-357	3,346
Florida	Polk	14123	141.23	2,150	1,456	694	2,259
Florida	Polk	14201	142.01	1,445	1,603	-158	2,249
Florida	Polk	14202	142.02	513	1,039	-526	1,165
Florida	Polk	14203	142.03	262	734	-472	3,177
Florida	Polk	14301	143.01	3,183	760	2,423	1,042
Florida	Polk	14302	143.02	1,629	2,196	-567	2,386

Florida	Polk	14400	144	1,963	863	1,100	1,589
Florida	Polk	14501	145.01	1,354	2,342	-988	2,207
Florida	Polk	14502	145.02	138	1,198	-1,060	1,090
Florida	Polk	14600	146	1,282	1,448	-166	1,322
Florida	Polk	14701	147.01	885	1,879	-994	1,975
Florida	Polk	14702	147.02	987	3,577	-2,590	3,029
Florida	Polk	14801	148.01	2,000	2,140	-140	2,255
Florida	Polk	14802	148.02	2,424	907	1,517	931
Florida	Polk	14901	149.01	744	2,598	-1,854	2,495
Florida	Polk	14902	149.02	354	2,642	-2,288	2,068
Florida	Polk	15000	150	6,683	1,780	4,903	1,799
Florida	Polk	15100	151	3,424	2,229	1,195	2,431
Florida	Polk	15200	152	2,699	1,576	1,123	1,698
Florida	Polk	15301	153.01	928	1,597	-669	1,628
Florida	Polk	15302	153.02	61	1,123	-1,062	1,079
Florida	Polk	15401	154.01	427	832	-405	1,054
Florida	Polk	15402	154.02	224	1,291	-1,067	1,299
Florida	Polk	15403	154.03	287	1,266	-979	2,262
Florida	Polk	15500	155	2,517	1,421	1,096	1,758
Florida	Polk	15600	156	131	544	-413	1,850
Florida	Polk	15700	157	2,364	2,163	201	2,853
Florida	Polk	15800	158	797	1,231	-434	2,593
Florida	Polk	15900	159	783	921	-138	706
Florida	Polk	16001	160.01	718	933	-215	868
Florida	Polk	16002	160.02	509	735	-226	684
Florida	Polk	16003	160.03	468	749	-281	1,528
Florida	Polk	16100	161	3,024	459	2,565	525

Source: Census Transportation Planning Package Part III Table 1
Census 2000 Summary File 1 Table H1
Bureau of the Census

Sarasota County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Sarasota	101	1.01	9,570	954	8,616	2,605
Florida	Sarasota	102	1.02	10,085	2,340	7,745	2,145
Florida	Sarasota	200	2	4,919	1,554	3,365	1,689
Florida	Sarasota	300	3	1,261	1,186	75	1,621
Florida	Sarasota	401	4.01	3,861	2,429	1,432	2,291
Florida	Sarasota	403	4.03	2,599	3,011	-412	3,240
Florida	Sarasota	404	4.04	151	400	-249	871
Florida	Sarasota	405	4.05	189	1,466	-1,277	1,198
Florida	Sarasota	501	5.01	6,263	1,128	5,135	1,033
Florida	Sarasota	502	5.02	2,594	1,589	1,005	1,542
Florida	Sarasota	503	5.03	1,093	2,063	-970	2,325
Florida	Sarasota	601	6.01	1,717	1,275	442	1,184
Florida	Sarasota	602	6.02	2,026	1,982	44	1,884
Florida	Sarasota	700	7	2,667	733	1,934	2,665
Florida	Sarasota	801	8.01	1,031	408	623	2,933
Florida	Sarasota	802	8.02	1,385	803	582	2,812
Florida	Sarasota	900	9	1,092	1,272	-180	1,351
Florida	Sarasota	1000	10	1,369	1,243	126	1,490
Florida	Sarasota	1101	11.01	6,023	1,688	4,335	2,483
Florida	Sarasota	1102	11.02	420	1,853	-1,433	2,312
Florida	Sarasota	1201	12.01	980	2,891	-1,911	2,535
Florida	Sarasota	1202	12.02	486	1,771	-1,285	1,669
Florida	Sarasota	1203	12.03	569	1,202	-633	3,163
Florida	Sarasota	1204	12.04	167	1,653	-1,486	1,736
Florida	Sarasota	1301	13.01	1,305	1,611	-306	1,296
Florida	Sarasota	1302	13.02	3,446	2,038	1,408	1,755
Florida	Sarasota	1303	13.03	1,404	1,561	-157	1,144
Florida	Sarasota	1304	13.04	110	856	-746	1,051
Florida	Sarasota	1401	14.01	3,794	1,856	1,938	1,576
Florida	Sarasota	1402	14.02	321	2,377	-2,056	1,565
Florida	Sarasota	1403	14.03	888	1,994	-1,106	2,479
Florida	Sarasota	1503	15.03	272	1,740	-1,468	1,275
Florida	Sarasota	1504	15.04	445	1,560	-1,115	1,345
Florida	Sarasota	1505	15.05	2,048	2,684	-636	1,730
Florida	Sarasota	1506	15.06	2,569	1,952	617	2,274
Florida	Sarasota	1507	15.07	2,065	2,044	21	2,746
Florida	Sarasota	1601	16.01	972	1,444	-472	1,955

Florida	Sarasota	1602	16.02	1,025	1,697	-672	2,181
Florida	Sarasota	1702	17.02	2,839	2,825	14	2,348
Florida	Sarasota	1703	17.03	919	1,755	-836	2,027
Florida	Sarasota	1704	17.04	1,107	1,731	-624	1,449
Florida	Sarasota	1801	18.01	3,707	1,715	1,992	2,545
Florida	Sarasota	1803	18.03	258	1,625	-1,367	1,534
Florida	Sarasota	1804	18.04	1,507	1,394	113	1,318
Florida	Sarasota	1805	18.05	1,056	856	200	1,001
Florida	Sarasota	1902	19.02	1,762	1,243	519	6,232
Florida	Sarasota	1903	19.03	366	914	-548	1,497
Florida	Sarasota	1904	19.04	1,048	1,683	-635	2,453
Florida	Sarasota	2003	20.03	1,543	2,225	-682	2,552
Florida	Sarasota	2004	20.04	2,249	1,593	656	2,524
Florida	Sarasota	2005	20.05	2,259	1,781	478	2,701
Florida	Sarasota	2006	20.06	4,797	4,658	139	7,987
Florida	Sarasota	2100	21	1,566	1,673	-107	2,406
Florida	Sarasota	2201	22.01	360	899	-539	1,871
Florida	Sarasota	2202	22.02	876	1,452	-576	2,619
Florida	Sarasota	2203	22.03	1,222	1,853	-631	2,215
Florida	Sarasota	2301	23.01	2,798	892	1,906	4,001
Florida	Sarasota	2302	23.02	835	885	-50	2,586
Florida	Sarasota	2303	23.03	620	604	16	2,208
Florida	Sarasota	2401	24.01	4,598	1,072	3,526	2,537
Florida	Sarasota	2402	24.02	3,037	1,226	1,811	2,489
Florida	Sarasota	2503	25.03	2,110	2,121	-11	3,233
Florida	Sarasota	2504	25.04	127	1,203	-1,076	1,488
Florida	Sarasota	2505	25.05	837	1,193	-356	1,028
Florida	Sarasota	2507	25.07	785	2,860	-2,075	2,493
Florida	Sarasota	2508	25.08	487	1,328	-841	1,413
Florida	Sarasota	2509	25.09	64	1,904	-1,840	2,279
Florida	Sarasota	2601	26.01	294	874	-580	1,646
Florida	Sarasota	2602	26.02	191	742	-551	1,693
Florida	Sarasota	2603	26.03	297	675	-378	1,093
Florida	Sarasota	2604	26.04	769	844	-75	1,811
Florida	Sarasota	2605	26.05	649	826	-177	1,582
Florida	Sarasota	2701	27.01	1,595	2,391	-796	3,502
Florida	Sarasota	2703	27.03	295	972	-677	3,551
Florida	Sarasota	2710	27.1	215	1,027	-812	1,805
Florida	Sarasota	2711	27.11	731	2,401	-1,670	2,565
Florida	Sarasota	2712	27.12	522	3,348	-2,826	2,579
Florida	Sarasota	2713	27.13	4,591	2,946	1,645	2,030
Florida	Sarasota	2714	27.14	632	1,649	-1,017	2,377
Florida	Sarasota	2715	27.15	1,752	892	860	2,788
Florida	Sarasota	2716	27.16	866	996	-130	1,660
Florida	Sarasota	2717	27.17	535	1,343	-808	3,787
Florida	Sarasota	2718	27.18	2,352	967	1,385	1,815

Source: Census Transportation Planning Package Part III Table 1
           Census 2000 Summary File 1 Table H1
           Bureau of the Census

Sumter County
Workers, Resident Workers, Net Commuters, and Total Housing Units
Census 2000 Tracts

State	County	ArcGIS Census Tract	American FactFinder Census Tract	Workers	Resident Workers	Net Commuters	Census 2000 Total Housing Units
Florida	Sumter	990100	9901	422	2,534	-2,112	3,010
Florida	Sumter	990200	9902	1,048	1,749	-701	3,782
Florida	Sumter	990300	9903	211	1,123	-912	1,442
Florida	Sumter	990400	9904	832	1,867	-1,035	3,304
Florida	Sumter	990500	9905	708	1,433	-725	1,639
Florida	Sumter	990600	9906	309	2,436	-2,127	3,366
Florida	Sumter	990700	9907	251	2,038	-1,787	2,350
Florida	Sumter	990800	9908	113	1,518	-1,405	6,245
Florida	Sumter	991000	9910	95	68	27	57

Source: Census Transportation Planning Package Part III Table 1
           Census 2000 Summary File 1 Table H1
           Bureau of the Census

Appendix B

Population Survey Minimum Requirements

To
Part D of the Water Use Permit Information Manual:
Requirements for the Estimation of
Permanent And Temporal Service Area Populations

Southwest Florida Water Management District

1.0 Service Area Seasonal Resident and In-Home Tourist Survey

Data from the survey are used to develop seasonal household to total household, seasonal length of stay, and persons per household information used in estimating permanent and seasonal resident population. The survey may also be used to estimate the average annual in-home tourist days. It must be demonstrated that the sample is a random sample of all permanent and seasonal resident customers and includes both single-family and multi-family residences in the service area. The use of billing address databases to create a mailing list will skew survey results to the demographic characteristics of the occupants of single-family residences, as most multi-family residences are master-metered. Unless the residential account housing units are 95% or more single-family residences, the mailing list shall be obtained from mailing address databases such as those provided by marketing firms or other utilities, such as electric or phone, that individually meter/bill both single-family and multi-family housing units. Marketing/survey firms can provide randomized mailing lists for census, zip code or other delineated areas, such as electronic service area boundaries, that can approximate the service area. To ensure the broadest participation by seasonal residents, the survey must be conducted during the peak seasonal residence months of January, February or March. Alternate peak and low season months may be proposed and analyzed for the development of seasonal resident data. Yearlong surveys may also be conducted but must have a sufficient sample size during the first quarter of the year to comply with the minimum sample size requirements as described in Section 2 below.

The planning and implementation of a survey is crucial in obtaining a random survey of sufficient sample size. The survey shall not be included as a bill stuffer. It is highly recommended that the survey be anonymous and that there be no identification of the recipient on the survey other than as a water utility customer. Unless the survey is conducted by qualified professionals, a mail survey must be conducted in lieu of a phone survey.

The seasonal resident survey must address the following questions to all survey recipients:
    a. Does your household live at another residence for part of the year?
    b. If yes to a. above, what months of the year does this household typically reside at this address?
    c. How many persons are typically in your household?
Respondents that live three or more months away from their service area residence shall be considered seasonal residents.

The in-home tourist portion of the survey, if such data are desired, must address the number of days stayed for each short-term guest during the most recent year. Instructions to survey recipients must indicate that only guests originating from outside the service area should be listed. Seasonal residents that sub-let or rent their residence may include such short-term visitors as in-home tourists.

If a permittee elects to use seasonal resident or in-home tourist survey data, the data shall be no older than ten years.

Example table of data to be solicited:	
In-home Guest	Length of Stay (Days)
1	
2	
3	
4	
5	
6	
7	
8	

2.0 Minimum Survey Sample Sizes

The minimum sample size is the number of surveys that must be completed for the results to be valid. Therefore, the total number of surveys to be conducted must take into account an estimate of the return rate for completed surveys. Required minimum sample sizes are found in the following table[i]. To ensure the validity of the survey, it is recommended that a maximum 10% completion rate be assumed if follow-up calls are not made (for phone surveys) or follow-up cards and/or surveys are not provided (for mail surveys). It is recommended that a maximum 20% return rate be assumed if follow-up calls are made or if follow-up cards and/or surveys are utilized. The total number of surveys to be conducted/sent is the minimum sample size divided by the assumed return rate. For example, if the minimum sample size is 200 and the assumed completion rate is 20%, the number of surveys that should be sent/conducted is 200/0.2 = 1000. It is further recommended that a phone number or website be placed on follow-up cards where a replacement mail survey can be obtained if the original was discarded.

2.1 Seasonal Resident and In-Home Tourist Surveys

The population on which the minimum sample size for seasonal residents and in-home tourists is based is the total number of residential account housing units served as calculated in the year of interest residential account housing unit Worksheet A for the year before the survey is conducted.

2.2 Public Lodging Utility Customer Survey

The population on which the minimum sample size for public lodging accounts is based is the total number of public lodging utility accounts.

2.3 Group Quarters Population Survey

The population on which the minimum sample size for group quarters population customers is based is the total number of group quarters accounts.

Minimum Sample Size Required

Population Size	Required Sample Size
Less than 500	Survey entire population
500	222
1,000	286
2,500	345
5,000	370
10,000	385
50,000	397
100,000	398
Over 100,000	400

For populations between the listed values, the required sample size shall be calculated by interpolation. See Section 3.2.4 of Appendix A for interpolation example.

3.0 <u>Maximum Age of Data</u>

If a permittee elects to use seasonal resident or in-home tourist survey data, the data shall be no older than ten years. Group quarters population survey data must be collected on an annual basis

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[i] Adapted from: Milon, J. W. and Grace Johns. <u>A Handbook for Economic Analysis of Coastal Recreation Projects</u>. SGR-45 Prepared for Florida Sea Grant College. April 1982.

APPENDIX C

WORKSHEETS A TO I

To
Part D of the Water Use Permit Information Manual:
Requirements for the Estimation of Permanent And
Temporal Service Area Populations

January 20, 2009

Planning Department
Southwest Florida Water Management District

Worksheet A: Residential Account Housing Unit Estimation

Permittee Name:
Permit Number(s):
Year of Interest:

Enter Only Meter Data for Residential Accounts (No Commercial)
Do Not Include Irrigation Account Meters

Data Entry Required in Solid Bordered Cells
Calculated Output in Dashed Bordered Cells

Total Individually Metered Residences: = A

Master Metered Residential Accounts Worksheet

Single Family Master Metered

Meter Size	Single Family Equivalent Units B	Number of Single Family Master Meters C	Unit Adjust-ment Factor D	Equivalent Residential Account Housing Units (B x C) / D = E	OR Counted Residential Account Housing Units = F
1"	2.5		1		
1 1/2"	5		1		
2"	8		1		
3"	17.5		1		
4"	30		1		
6"	62.5		1		
8"	90		1		
10"	145		1		
12"	215		1		
			Sum:		

Multi-family Master Metered

Meter Size	Single Family Equivalent Units B	Number of Multi-Family Master Meters C	Unit Adjust-ment Factor D	Equivalent Residential Account Housing Units (B x C) / D = E	OR Counted Residential Account Housing Units = F
3/4"	1.5		0.7		
1"	2.5		0.7		
1 1/2"	5		0.7		
2"	8		0.7		
3"	17.5		0.7		
4"	30		0.7		
6"	62.5		0.7		
8"	90		0.7		
10"	145		0.7		
12"	215		0.7		
			Sum:		

Mobile Home (Trailer) Master Metered

Meter Size	Single Family Equivalent Units B	Number of Mobile Home Master Meters C	Unit Adjust-ment Factor D	Equivalent Residential Account Housing Units (B x C) / D = E	OR Counted Residential Account Housing Units = F
3/4"	1.5		0.6		
1"	2.5		0.6		
1 1/2"	5		0.6		
2"	8		0.6		
3"	17.5		0.6		
4"	30		0.6		
6"	62.5		0.6		
8"	90		0.6		
10"	145		0.6		
12"	215		0.6		
			Sum:		

Manufactured Home Master Metered

Meter Size	Single Family Equivalent Units B	Number of Manu. Home Master Meters C	Unit Adjust-ment Factor D	Equivalent Residential Account Housing Units (B x C) / D = E	OR Counted Residential Account Housing Units = F
3/4"	1.5		0.8		
1"	2.5		0.8		
1 1/2"	5		0.8		
2"	8		0.8		
3"	17.5		0.8		
4"	30		0.8		
6"	62.5		0.8		
8"	90		0.8		
10"	145		0.8		
12"	215		0.8		
			Sum:		

G

Total Residential Account Housing Units for the Year of Interest (RESUNITS) = G

(Sum the total individually metered residences (A) and the sums of equivalent master metered residential account housing units (Es) or the sums of the counted master metered residential account housing units (Fs).)

Worksheet B: Service Area Summary

Page 1 of 3
Permittee Name:
Permit Number(s):
Service Area Name:
Census Data Year:
Year of Interest:

Data Entry Required in Solid Bordered Cells

Calculated Output in Dashed Bordered Cells

Optional Survey Data Entry in Double Outlined Cells

1. Service Area Residential Housing Account Data Required
(From Worksheet A)

Residential Account Housing Units Year of Interest
RESUNITS

2. Census Data Required for All Census Blocks in Service Area
(From Worksheet C)

Sum of Census Population in House-Holds	Sum of Census House-Holds	Sum of Group Quarters Population	Sum of Total Housing Units
CPOPNHH	**CHH**	**CGRUPPOP**	**CHOUSUNITS**

3. Permanent Resident Persons/Household (PERMPPH) - Choose One Only

		Census		Optional Ap-proved Survey Method
		PERMPPH	OR	**PERMPPH**
(CPOPNHH/CHH) =				

4. Seasonal Resident Persons Per Household (SEASPPH) - Choose One Only

	Optional Ap-proved Method
Default	
SEASPPH	**SEASPPH**

Worksheet B: Service Area Summary Worksheet (Cont'd)

Page 2 of 3
Permittee Name:
Permit Number(s):
Service Area Name:
Census Data Year:
Year of Interest:

5. Service Area Peak Seasonal Resident Ratio (SEASRR)

(From Worksheet D Part 1)

	SEASRR
(not required if using survey data)	

6. Calculation of Service Area Census Year Seasonal Households (SEASHH)

(not required if using survey data)	**SEASHH**
((SEASRR - 1) x CPOPNHH) / SEASPPH =	

7. Calculation of Seasonal Households to Total Households Ratio (SEAS/TOTHH)

			Optional Approved Survey Method	
	SEAS/TOTHH	**or**	**SEAS/TOTHH**	
SEASHH / (CHH + SEASHH) =				

8. Calculation of Seasonal Resident Peak Population - Yr. of Interest (SEASPKPOP)

	SEASPKPOP
RESUNITS x SEAS/TOTHH x SEASPPH =	

9. Calculation of Permanent Resident Population for Yr. of Interest (PERMPOP)

	PERMPOP
(1 - SEAS/TOTHH) x RESUNITS x PERMPPH =	

10. Seasonal Proportional Residence Time (SEASPROP)

Beach Destination County Default=0.442	or Non-Beach Destination County Default=0.567	or Optional Approved Survey Method
SEASPROP	**SEASPROP**	**SEASPROP**

Worksheet B: Service Area Summary (Cont'd)

Page 3 of 3
Permittee Name:
Permit Number(s):
Service Area Name:
Census Data Year:
Year of Interest:

11. Calculation of Seasonal Resident Adjustment Factor (SEASADJ)

	SEASADJ

((SEASPROP x 132) + ((1 - SEASPROP) x (132 - 69.3))) / 132 =

12. Calculation of Functional Seasonal Resident Population
for Year of Interest (FSEASPOP)

FSEASPOP

SEASPKPOP x SEASADJ =

13. Calculation of Group Quarters Population for Year of Interest (GRUPPOP)

GRUPPOP

(CGRUPPOP/CHOUSUNITS) x RESUNITS

14. Calculation of Total Required Functional Population
for Year of Interest (REQPOP)

REQPOP

PERMPOP + FSEASPOP + GRUPPOP =

15. Optional Total Functional Tourist Population for Year of Interest (FTOURPOP)   **FTOURPOP**

Must include documentation of sources and calculations

(From Worksheet G)

16. Optional Functional Net Commuter Population for Year of Interest (FNETCOM)

(From Worksheet I)   **FNETCOM**

Total Required and Optional Functional Service Area Population
For the Year of Interest = REQPOP + FTOURPOP + FNETCOM =

Worksheet C: Households, Group Quarters & Housing Units

Page: of :

Permittee Name:

Permittee Number(s):

Census Year:

Data Entry Required in Solid Bordered Cells

Calculated Output in Dashed Bordered Cells

County Name or Census County Code	Census Tract	Census Block	Census Population in House-Holds (CPOPNHH)	Census House-Holds (CHH)	Census Group Quarters Population (CGRUPPOP)	Census Total Housing Units (CHOUSUNITS)	
Sums							

Worksheet D: Peak Seasonal Resident Ratio

Page: of :			
Permittee Name:			
Permit Number(s):			
Population Year of Interest:			
Data Entry Required in Solid Bold Bordered Cells			
Calculated Output in Dashed Bordered Cells			

NOTE: See Appendix "A", Section 3, "Worksheet D: Peak Seasonal Residential Ratio", in Part D "Requirements for

the Estimation of Permanent and Temporal Service Area Populations" of the Water Use Permit Information Manual for

identification and selection of ZIP Codes, Census Year Estimated Peak Seasonal Resident Population and permanent

population by ZCTA. Additional ZIP Code rows may be added as needed.

Part 1: District - Provided Admissions and Census Year Peak Seasonal and Permanent Resident Population

Geographic ZIP Codes/ZCTAs	Average Annual 3rd Quarter Admissions by ZIP/ZCTA Only if Small Service Area Partial ZCTA Selection Criteria Used	ZIP Code/ZCTA Estimated CensusYear Peak Seasonal Resident Population	Census Year ZCTA Permanent Population
	A	**B**	**C**
	Sum of A =		
		Sum of B = E	**Sum of C = F**
Sum Seasonal (B) & Permanent (C) Populations			
District Data Peak Seasonal Resident Ratio (SEASRR) = (E + F) /F =			

Worksheet D: Peak Seasonal Resident Ratio

Page: of :				
Permittee Name:				
Permit Number(s):				
Population Year of Interest:				
Data Entry Required in Solid Bold Bordered Cells				
Calculated Output in Dashed Bordered Cells				

NOTE: See Appendix "A", Section 3, "Worksheet D: Peak Seasonal Residential Ratio", in Part D "Requirements for the Estimation of Permanent and Temporal Service Area Populations" of the Water Use Permit Information Manual for identification and selection of ZIP Codes, Census Year Estimated Peak Seasonal Resident Population and permanent population by ZCTA. Additional ZIP Code rows may be added as needed.

Part 2: Survey Results for Peak Seasonal and Permanent Resident Population and Seasonal Duration

Year Survey Performed:				
Month Survey Performed (Jan/Feb/Mar)				
Residential Account Housing Units Served in Year Prior to Survey:				
Interpolated Minimum Number of Returned Surveys:				
Number of Usable Surveys Returned:				
Total Seasonal Resident Household Surveys Returned = A	A			
Total Persons in Seasonal Households from Returned Surveys = B	B			
Seasonal Resident Persons Per Household (SEASPPH) = B/A	B/A			
Total Months Seasonal Residents Reside in the Service Area = C	C			
Seasonal Proportional Residence Time (SEASPROP) = (C/A)/12	(C/A)/12			
Total Permanent Resident Household Surveys Returned = D	D			
Total Persons in Permanent Households from Returned Surveys = E	E			
Permanent Resident Persons Per Household (PERMPPH) = E/D	E/D			
Seasonal to Total Household Ratio SEAS/TOTHH = A/(A+D)	A/(A+D)			

Worksheet E: Partial ZCTA Selection

Page: of :
Permittee Name:
Permit Number(s):
Population Year of Interest:

Data Entry Required in Solid Bold Bordered Cells
Calculated Output in Dashed Bordered Cells

Note: Additional Rows May Be Added for Additional Blocks
and Additional ZCTA Calculation Blocks May Be Copied and Pasted.

					ZCTA #
Partial ZCTA 1 =					
					A
Total Census ZCTA Housing Units = A					
					Total
					Block
Service Area Census Blocks Totally or Partially Within ZCTA					Housing
County Name	Tract #	Block #			Units
(or Census Code)					**B**
				C	
Sum of Housing Units in Blocks Above = C					
				C/A	
Percent of Total ZCTA Housing Units = C/A					

Worksheet E: Partial ZCTA Selection					
Page: of :					
Permittee Name:					
Permit Number(s):					
Population Year of Interest:					
Data Entry Required in Solid Bold Bordered Cells					
Calculated Output in Dashed Bordered Cells					
Note: Additional Rows May Be Added for Additional Blocks					
and Additional ZCTA Calculation Blocks May Be Copied and Pasted.				ZCTA#
Partial ZCTA 2 =					
					A
Total Census ZCTA Housing Units = A					
					Total
					Block
Service Area Census Blocks Totally or Partially Within ZCTA					Housing
County Name	Tract #	Block #			Units
(or Census Code)					B
					C
Sum of Housing Units in Blocks Above = C					
					C/A
Percent of Total ZCTA Housing Units = C/A					

Worksheet F: Small Service Area ZCTAs

Page: of :					
Permittee Name:					
Permit Number(s):					
Population Year of Interest:					
Data Entry Required in Solid Bold Bordered Cells					
Calculated Output in Dashed Bordered Cells					

Step 1. Enter Sum of Census Population in Households (CPOPNHH)
from Worksheet B (Must not exceed 25,000) = A

A

Step 2. Determination of Minimum Average Annual 3rd Quarter Admissions
Threshold Using a. or b. Below, as Applicable.

    a.

If the sum of population in households (A above) exactly matches a Table A-1 population value (Appendix A, Section 3.2.4), enter the corresponding minimum admissions threshold as "B", then continue to Step 3.

B

    or

    b.

Interpolation - If the sum of population in households is in-between Table A-1 population values, then an adjusted minimum average annual 3rd quarter admissions threshold must be calculated as outlined below.

C

Table A-1 Population Value That is More Than Sum of Population in Households in A above = **C**

D

Table A-1 Population Value That is Less Than Sum of Population in Households in A above = **D**

E

Difference Between C and D (C-D) = **E**

F

Minimum Admissions for Table A-1 Population Value That is More Than A above = **F**

G

Minimum Admissions for Table A-1 Population Value Less Than A above = **G**

H

Difference Between F and G (F-G) = **H**

I

Divide H by E (H/E) = **I**

J

Difference Between A and D (A-D) = **J**

K

Adjusted Minimum Admissions Threshold = G+(J x I) = **K**

Worksheet F: Small Service Area ZCTAs

Page: of :
Permittee Name:
Permit Number(s):
Population Year of Interest:

Data Entry Required in Solid Bold Bordered Cells

Calculated Output in Dashed Bordered Cells

Step 3. Selection Of ZCTAs to Include in the Service Area

The average annual third quarter hospital admissions by ZIP Code and the ZCTAs required to complete Step 2. are available at the District's website or from the District's Planning Department.

First add admissions from ZIP Codes/ZCTAs entirely within the service area. If the minimum admissions threshold has not been reached, add admissions from ZIP Codes/ZCTAs partially in the service area until the minimum admissons threshold (B or K in Step 1. above) has been just met or exceeded in the "cumulative ZCTA" column. Those ZIP Codes entirely in the service area and those that are partially in that have been added to meet the minimum 3rd quarter admissions threshold shall be used in Worksheet D.

List ZIP Codes Entirely Within Service Area		Equivalent ZCTA	ZCTA Average Annual 3rd Quarter Admissions From Provided Data		Cumulative ZCTA Average Annual 3rd Quarter Admissions From Provided Data	
			A =		A =	
			E =		A+B=C =	
			D =		C+D=E =	
			F =		E+F=G =	

List ZIP Codes Partially Within Service Area in Order of Billing Occurrence - Highest to Lowest	Number of Times ZIP Code Appears in Billing Records		Equivalent ZCTA	ZCTA Average Annual 3rd Quarter Admissions From Provided Data		Cumulative ZCTA Average Annual 3rd Quarter Admissions From Provided Data	
				H =		G+H= I =	
				J =		I+J= K =	
				L =		K+L= M =	
				N =		M+N= O =	

Worksheet G: Functional Tourist Population

Page: of :
Permittee Name:
Permit Number(s):
Population Year of Interest:

Data Entry Required in Solid Bold Bordered Cells
Calculated Output in Dashed Bordered Cells

Use Part 1 to estimate functional tourist population from directly collected
data or Part 2 to to estimate functional tourist population indirectly from tourist
accomodation taxes. Use Part 3 to estimate functional in-home tourist population.

Part 1: Public Lodging Data Method

a. Inventory of Service Area Public Lodging
Attach documentation of data source and year collected.
Note: Insert additional rows as needed.

Public Lodging Facility Name	Number of Rooms
	A
Sum of Service Area Rooms = A	

b. Average Annual Monthly Occupancy Rate
Attach documentation of data source and year collected. For seasonal
data, insert same occupancy rate for each month in applicable season.
For average annual data, enter annual rate in each month.
Customer survey data must be weighted by customer rooms.
See Section A-5.1.2.

Month	Monthly Occupancy Rate
January	
February	
March	
April	
May	
June	
July	
August	
September	
October	
November	
December	

Worksheet G: Functional Tourist Population

Page: of :
Permittee Name:
Permit Number(s):
Population Year of Interest:

Data Entry Required in Solid Bold Bordered Cells

Calculated Output in Dashed Bordered Cells

				C
Sum of Monthly Occupancy Rates = C				
				D
Average Monthly Occupancy Rate = D = C/12				

c. Average Guests Per Room (party size)

Documentation of data source and year collected required (other than defaults).

Customer survey data must be weighted by number of rooms per customer respondent. See Section 5.1.4 of Appendix A..

Enter an X under the source of the data and enter the selected value under E.

Coastal Beach Destination County Default = 2.7		All Other Counties Default = 2.3	Lodging Customer Survey	Other (Must Document)	**E**

d. Total Direct Data Daily Public Lodging Tourist Population — **F**

F = A x D x E

Part 2: Tourist Accomodations Lodging Tax Method

Documentation of data source and year collected required (other than defaults).

If average daily room rate is from customer survey, room rates must be weighted by number of rooms per customer respondent (see Section 5.1.4 App. A).

a. Calculation of Room Days Per Month

Month	Service Area Tourist Accomodation Tax Collections	Tax Rate	Monthly Room Revenue	Average Daily Room Rate	Total Room Days Per Month
	G	**H**	**I = G/H**	**J**	**K = I/J**
January					
February					
March					
April					
May					
June					
July					
August					
September					
October					
November					
December					
					L
	Sum of Room Days Per Month = L				

Worksheet G: Functional Tourist Population

Page: of :
Permittee Name:
Permit Number(s):
Population Year of Interest:

b. Average Guests Per Room (party size)

Documentation of data source and year collected required (other than defaults).
Customer survey data must be weighted by number of rooms per customer
respondent. See Section 5.1.4 of Appendix A.

Enter an X under the source of the data and enter the selected value under M.

Coastal Beach Destination County Default = 2.7	All Other Counties Default = 2.3	Lodging Customer Survey	Other	M

c. Calculation of Tourist Tax Estimated Tourist Daily Population

				N
		N = (L x M)/365		

Part 3. In-Home Tourist Population

Documentation of data source and year collected required.
Note: See Worksheet A for total Service Area Residential Account
Housing Units for the Year of Interest (RESUNITS)

Average In-Home Tourist Days Per Household Per Year O	Residential Account Housing Units RESUNITS P				Average Annual In-Home Tourists per Day Q
				Q = (O x P)/365	

Part 4: Total Functional (Daily) Tourist Population (FTOURPOP)

The total functional tourist population is the sum of "F" from Part 1
or "N" from Part 2 plus "Q" from Part 3.

						FTOURPOP
FTOURPOP	F	or	N	+	Q	

Worksheet H: Partial Tract Selection

Page 1 of :
Permittee Name:
Permit Number(s):
Population Year of Interest:

Data Entry Required in Solid Bold Bordered Cells
Calculated Output in Dashed Bordered Cells

Note: Additional Rows May Be Added for Additional Blocks
and Additional Tract Calculation Blocks May Be Copied and Pasted.

			County Name	
			or Census Code	Tract #
Partial Tract # 1 =				
				A
Total Census Tract Housing Units = A				
Service Area Census Blocks Totally				Total
or Partially Within the Tract				Housing
County Name				Units in
or County #	Tract #	Block #		Block
				B
	Sum of Housing Units in Blocks Above = B			
Percent of Total Tract Housing Units in Service Area = B/A				

D/C-15

Worksheet H: Partial Tract Selection (continued)

Page of :						
Permittee Name:						
Permit Number(s):						
Population Year of Interest:						
					County Name	
					or Census Code	Tract #
Partial Tract # 2 =						
						A
Total Census Tract Housing Units = A						
Service Area Census Blocks Totally						Total
or Partially Within the Tract						Housing
County Name						Units in
or County #	Tract #	Block #				Block
						B
	Sum of Housing Units in Blocks Above = B					
Percent of Total Tract Housing Units in Service Area = B/A						

Worksheet I: Functional Net Commuter Population

Page 1 of :
Permittee Name:
Permit Number(s):
Population Year of Interest:

Data Entry Required in Solid Bold Bordered Cells
Calculated Output in Dashed Bordered Cells

NOTE: See Section 6.1 of Appendix A for identification and selection of Census Tracts.
Additional Census tract rows may be added as needed.

Census Tracts Included		Net Commuters by Census Tract	Census Total Housing Units (CHOUSUNITS) by Tract		
Census County or Code	Tract Number				
		A	**B**		
Sums					

Ratio of Net Commuters
to Census Total   **C =A/B**
Housing Units = C = A/B

Net Commuters for Year   **D = C x RESUNITS**
of Interest D = C x RESUNITS
(for RESUNITS see Section 1
of Worksheet B.

Functional Net Commuter
Population for Year of Interest   **FNETCOM = D x .333 x .714**
FNETCOM = D x .333 x .714

Appendix D

Census Year
Seasonal Resident and Permanent Population by ZIP Code

Districtwide

January 20, 2009

To
Part D of the Water Use Permit Information Manual:
Requirements for the Estimation of Permanent And
Temporal Service Area Populations

Planning Department
Southwest Florida Water Management District

Southwest Florida
Water Management District

Filename: Final Districtwide 040607 App D Seasonal Data by ZIPs.xls
Sheet 1-Instructions
April 6, 2007

Steps in the Calculation of Peak Seasonal Resident Ratio (SEASRR)

Step 1: Select ZIP Codes to Represent Water Service Area

See rule for criteria for selecting appropriate ZIP Codes.

Step 2: Sum the Seasonal Resident Populations for the Selected ZIP Codes

Step 3: Sum the Permanent Resident Populations for the Selected ZIP Codes

Step 4: Calculate the Peak Seasonal Resident Ratio (SEASRR)

$$\frac{\text{(Sum of Census yr. seasonal residents + Sum of Census yr. permanent residents)}}{\text{Sum of Census yr. permanent residents}}$$

See Example Ratio Calculation

Filename: Final Districtwide 040607 App D Seasonal Data by ZIPs.xls
Sheet 2-Sample Calculation of Peak Seasonal Resident Ratio (SEASRR)
April 6, 2007

Sample Calculation of Peak Seasonal Resident Ratio
(Data from "Data by ZIP Code" Worksheet)

Selected ZIP Codes	Estimated Seasonal Resident Population	Permanent Census Population
	A	**B**
33837	7,121	21,315
33838	972	2,843
33844	7,378	26,600
33850	315	4,039
33868	1,659	10,885
33881	2,459	28,225

Sum of A	Sum of B	(Sum A + Sum B) / Sum B
19,904	**93,907**	**1.212**

Peak Seasonal Resident Ratio

Geographic Patient ZIP Code	Sum 1999-2001 Quarter 1 Admissions January- March *a*	Sum 1999-2001 Quarter 3 Admissions July- September *b*	Difference Q1-Q3 divided by 3 Q3 <= Q1 *c = a-b*	Overall Emergency Incidence Age 45-74 *d*	Census Year Estimated Peak Seasonal Resident Population *e = c/d*	Permanent Population Census 2000 ZIP Code Tabulation Area (P001001) April 1, 2000
32102	19	19	0.00	0.015302	0	2,543
32113	109	85	8.00	0.015302	523	6,891
32134	180	104	25.33	0.015302	1,656	7,950
32159	1228	997	77.00	0.015302	5,032	27,939
32162	Please refer to Geographic Patient Zip Code 32159					
32179	146	100	15.33	0.015302	1,002	8410
32182	19	13	2.00	0.015302	131	158
32183	27	27	0.00	0.015302	0	90
32195	74	59	5.00	0.015302	327	3,181
32617	77	57	6.67	0.015302	436	3,546
32618	119	118	0.33	0.015302	22	6,788
32621	134	124	3.33	0.015302	218	3,412
32625	38	33	1.67	0.015302	109	1,631
32626	263	239	8.00	0.015302	523	7,756
32639	0	0	0.00	0.015302	0	254
32664	37	20	5.67	0.015302	370	575
32667	63	53	3.33	0.015302	218	3,228
32668	72	72	0.00	0.015302	0	3,881
32681	18	10	2.67	0.015302	174	501
32683	0	0	0.00	0.015302	0	150
32686	97	91	2.00	0.015302	131	4,976
32693	284	237	15.67	0.015302	1,024	9,574
32696	288	263	8.33	0.015302	545	10,563
32702	100	85	5.00	0.015302	327	2,846
32720	45	25	6.67	0.015302	436	27,114
32726	587	421	55.33	0.015302	3,616	17,923
32735	102	67	11.67	0.015302	762	2,532

Emergency Admissions - Patients 55-84 Years Old, Seasonal & Permanent Population by Geographic ZIP Codes

D/D-3

32736	43	43	0.00	0.015302	0	7,814
32757	540	393	49.00	0.015302	3,202	18,785
32767	44	27	5.67	0.015302	370	2,170
32776	131	112	6.33	0.015302	414	6,634
32778	542	407	45.00	0.015302	2,941	14,216
32784	230	193	12.33	0.015302	806	9,034
33510	311	307	1.33	0.015302	87	22,374
33511	684	684	0.00	0.015302	0	44,927
33513	265	205	20.00	0.015302	1,307	10,439
33514	35	34	0.33	0.015302	22	1,632
33521	47	47	0.00	0.015302	0	466
33523	331	291	13.33	0.015302	871	17,388
33525	725	571	51.33	0.015302	3,355	13,934
33527	193	147	15.33	0.015302	1,002	11,431
33534	225	171	18.00	0.015302	1,176	7,496
33538	156	108	16.00	0.015302	1,046	4,473
33540	1009	681	109.33	0.015302	7,145	18,837
33541	1564	867	232.33	0.015302	15,183	23,017
33542	Please refer to Geographic Patient Zip Codes 33540 and 33541					
33543	233	159	24.67	0.015302	1,612	12,019
33544	127	127	0.00	0.015302	0	7,180
33547	130	130	0.00	0.015302	0	8,527
33548	Please refer to Geographic Patient Zip Code 33549					
33549	546	483	21.00	0.015302	1,372	44,672
33556	147	147	0.00	0.015302	0	13,995
33558	Please refer to Geographic Patient Zip Code 33549					
33559	Please refer to Geographic Patient Zip Code 33549					
33565	197	160	12.33	0.015302	806	16,814
33566	287	271	5.33	0.015302	349	21,552
33567	205	196	3.00	0.015302	196	25920
33569	769	543	75.33	0.015302	4,923	35,689
33570	642	365	92.33	0.015302	6,034	12,857
33572	246	210	12.00	0.015302	784	7,461
33573	1671	1245	142.00	0.015302	9,280	16321
33576	79	70	3.00	0.015302	196	2,356
33584	391	366	8.33	0.015302	545	20,490
33585	29	18	3.67	0.015302	240	777
33592	282	237	15.00	0.015302	980	9970
33594	708	615	31.00	0.015302	2,026	47,721
33597	188	136	17.33	0.015302	1,133	7,327
33598	182	162	6.67	0.015302	436	8,019
33602	318	267	17.00	0.015302	1,111	8,955

33603	420	368	17.33	0.015302	1,133	20,947
33604	807	710	32.33	0.015302	2,113	36,785
33605	605	545	20.00	0.015302	1,307	17,081
33606	202	186	5.33	0.015302	349	14,960
33607	769	679	30.00	0.015302	1,961	22,801
33609	308	290	6.00	0.015302	392	16,180
33610	1030	917	37.67	0.015302	2,462	32,397
33611	535	486	16.33	0.015302	1,067	29,837
33612	1028	912	38.67	0.015302	2,527	42,961
33613	564	534	10.00	0.015302	654	29,424
33614	802	714	29.33	0.015302	1,917	43,803
33615	645	605	13.33	0.015302	871	41,349
33616	180	159	7.00	0.015302	457	12,014
33617	567	490	25.67	0.015302	1,677	42,281
33618	260	235	8.33	0.015302	545	20,358
33619	689	566	41.00	0.015302	2,679	28,459
33620	2	1	0.33	0.015302	22	2,532
33621	10	8	0.67	0.015302	44	2,689
33624	484	404	26.67	0.015302	1,743	45,065
33625	209	209	0.00	0.015302	0	20,781
33626	74	61	4.33	0.015302	283	11,116
33629	342	317	8.33	0.015302	545	22,858
33634	226	226	0.00	0.015302	0	19,255
33635	177	153	8.00	0.015302	523	12,439
33637	112	109	1.00	0.015302	65	12,534
33647	153	139	4.67	0.015302	305	26,290
33701	715	710	1.67	0.015302	109	15,374
33702	916	720	65.33	0.015302	4,270	30,058
33703	649	514	45.00	0.015302	2,941	25,063
33704	328	265	21.00	0.015302	1,372	16,714
33705	893	772	40.33	0.015302	2,636	28,083
33706	328	283	15.00	0.015302	980	17,376
33707	648	648	0.00	0.015302	0	26,542
33708	585	446	46.33	0.015302	3,028	17,199
33709	1126	868	86.00	0.015302	5,620	26,039
33710	776	709	22.33	0.015302	1,460	33,213
33711	411	375	12.00	0.015302	784	19,915
33712	689	634	18.33	0.015302	1,198	26,222
33713	678	577	33.67	0.015302	2,200	31,273
33714	555	526	9.67	0.015302	632	17,753
33715	151	104	15.67	0.015302	1,024	7,403
33716	192	140	17.33	0.015302	1,133	10,409

33755	686	636	16.67	0.015302	1,089	26,061
33756	1270	1047	74.33	0.015302	4,858	29,081
33759	565	479	28.67	0.015302	1,873	20,071
33760	273	210	21.00	0.015302	1,372	16,958
33761	663	552	37.00	0.015302	2,418	19,594
33762	127	106	7.00	0.015302	457	6,818
33763	878	680	66.00	0.015302	4,313	18,029
33764	810	560	83.33	0.015302	5,446	23,673
33765	400	340	20.00	0.015302	1,307	13,403
33767	535	281	84.67	0.015302	5,533	9,765
33770	1186	906	93.33	0.015302	6,099	24,394
33771	1373	1030	114.33	0.015302	7,472	29,225
33772	803	631	57.33	0.015302	3,747	23,232
33773	426	332	31.33	0.015302	2,048	16,369
33774	627	553	24.67	0.015302	1,612	18,431
33776	320	217	34.33	0.015302	2,244	13,388
33777	462	358	34.67	0.015302	2,265	17,328
33778	544	464	26.67	0.015302	1,743	13,639
33781	830	721	36.33	0.015302	2,374	25,287
33782	787	645	47.33	0.015302	3,093	19,527
33785	155	122	11.00	0.015302	719	5,949
33786	49	40	3.00	0.015302	196	1,601
33801	1073	829	81.33	0.015302	5,315	31,593
33803	847	603	81.33	0.015302	5,315	26,994
33805	743	629	38.00	0.015302	2,483	20,426
33809	871	641	76.67	0.015302	5,010	28,855
33810	524	394	43.33	0.015302	2,832	28,563
33811	269	242	9.00	0.015302	588	16,176
33813	559	467	30.67	0.015302	2,004	35,411
33815	414	277	45.67	0.015302	2,984	13,620
33823	413	354	19.67	0.015302	1,285	26,485
33825	1032	712	106.67	0.015302	6,971	23,257
33827	50	40	3.33	0.015302	218	2,527
33830	567	446	40.33	0.015302	2,636	25,723
33834	106	58	16.00	0.015302	1,046	7,274
33835	23	23	0.00	0.015302	0	50
33837	663	414	83.00	0.015302	5,424	21,315
33838	90	56	11.33	0.015302	741	2,843
33839	32	32	0.00	0.015302	0	1,591
33841	179	146	11.00	0.015302	719	7,881
33843	307	170	45.67	0.015302	2,984	10,668
33844	952	687	88.33	0.015302	5,773	26,600

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33847	0	0	0.00	0.015302	0	283
33849	59	43	5.33	0.015302	349	418
33850	74	68	2.00	0.015302	131	4,039
33851	29	29	0.00	0.015302	0	907
33852	853	592	87.00	0.015302	5,686	19,653
33853	996	769	75.67	0.015302	4,945	34,439
33857	83	48	11.67	0.015302	762	1,645
33859	Please refer to Geographic Patient Zip Code 33853					
33860	382	309	24.33	0.015302	1,590	17,015
33865	26	13	4.33	0.015302	283	681
33868	210	152	19.33	0.015302	1,263	10,885
33870	1349	871	159.33	0.015302	10,413	22,563
33872	1019	632	129.00	0.015302	8,430	20,593
33873	225	222	1.00	0.015302	65	14,442
33875	Please refer to Geographic Patient Zip Code 33872					
33876	Please refer to Geographic Patient Zip Code 33870					
33877	21	21	0.00	0.015302	0	550
33880	366	332	11.33	0.015302	741	33,778
33881	538	452	28.67	0.015302	1,873	28,225
33884	222	209	4.33	0.015302	283	20,016
33890	108	81	9.00	0.015302	588	5,088
33896	Please refer to Geographic Patient Zip Code 33837					
33897	Please refer to Geographic Patient Zip Code 33837					
33898	Please refer to Geographic Patient Zip Code 33853					
33921	19	6	4.33	0.015302	283	1500
33946	82	33	16.33	0.015302	1,067	1,064
33947	273	189	28.00	0.015302	1,830	5,238
33948	416	321	31.67	0.015302	2,069	14,692
33950	1287	832	151.67	0.015302	9,912	19,361
33952	1142	808	111.33	0.015302	7,276	30,543
33953	116	62	18.00	0.015302	1,176	3,452
33954	113	108	1.67	0.015302	109	7383
33955	186	140	15.33	0.015302	1,002	6227
33960	20	16	1.33	0.015302	87	701
33980	343	284	19.67	0.015302	1,285	9,081
33981	249	167	27.33	0.015302	1,786	7,225
33982	266	176	30.00	0.015302	1,961	9,289
33983	316	228	29.33	0.015302	1,917	10,960
34201	20	20	0.00	0.015302	0	1877
34202	154	118	12.00	0.015302	784	15335
34203	785	539	82.00	0.015302	5,359	26017
34205	1013	777	78.67	0.015302	5,141	31,817

34207	1137	780	119.00	0.015302	7,777	30,690
34208	620	550	23.33	0.015302	1,525	30,750
34209	1212	936	92.00	0.015302	6,012	33,228
34210	466	377	29.67	0.015302	1,939	13,883
34211	Please refer to Geographic Patient Zip Code 34202					
34212	Please refer to Geographic Patient Zip Code 34202					
34215	55	18	12.33	0.015302	806	792
34216	64	42	7.33	0.015302	479	1,877
34217	245	107	46.00	0.015302	3,006	6,385
34219	110	105	1.67	0.015302	109	5,812
34221	985	689	98.67	0.015302	6,448	31,646
34222	441	338	34.33	0.015302	2,244	8,732
34223	824	427	132.33	0.015302	8,648	18,002
34224	703	423	93.33	0.015302	6,099	14,984
34228	107	55	17.33	0.015302	1,133	7,603
34229	58	58	0.00	0.015302	0	4,850
34231	384	304	26.67	0.015302	1,743	31,885
34232	385	315	23.33	0.015302	1,525	31,969
34233	313	256	19.00	0.015302	1,242	14,745
34234	265	216	16.33	0.015302	1,067	20,511
34235	206	144	20.67	0.015302	1,351	13,028
34236	179	131	16.00	0.015302	1,046	11,636
34237	179	130	16.33	0.015302	1,067	16,890
34238	179	154	8.33	0.015302	545	14,042
34239	202	150	17.33	0.015302	1,133	15,800
34240	115	77	12.67	0.015302	828	6,757
34241	167	117	16.67	0.015302	1,089	12,106
34242	92	50	14.00	0.015302	915	9581
34243	268	253	5.00	0.015302	327	20508
34250	7	5	0.67	0.015302	44	459
34251	48	39	3.00	0.015302	196	4,239
34266	822	573	83.00	0.015302	5,424	31,964
34268	44	40	1.33	0.015302	87	245
34269	Please refer to Geographic Patient Zip Code 34266					
34275	254	142	37.33	0.015302	2,440	15,005
34285	221	124	32.33	0.015302	2,113	8,039
34286	70	55	5.00	0.015302	327	8,610
34287	708	476	77.33	0.015302	5,054	19,089
34288	Please refer to Geographic Patient Zip Code 34286					
34292	426	254	57.33	0.015302	3,747	17,443
34293	567	353	71.33	0.015302	4,662	30,750
34420	316	226	30.00	0.015302	1,961	13,678

34428	70	70	0.00	0.015302	0	9,294
34429	116	94	7.33	0.015302	479	8,575
34431	120	100	6.67	0.015302	436	6,470
34432	188	157	10.33	0.015302	675	9,826
34433	32	32	0.00	0.015302	0	3,936
34434	50	50	0.00	0.015302	0	4,440
34436	156	133	7.67	0.015302	501	8,513
34442	226	172	18.00	0.015302	1,176	10,239
34446	167	167	0.00	0.015302	0	12,542
34448	128	128	0.00	0.015302	0	10,006
34449	35	35	0.00	0.015302	0	3,357
34450	233	199	11.33	0.015302	741	10,194
34452	244	216	9.33	0.015302	610	10,353
34453	156	136	6.67	0.015302	436	8,001
34461	103	76	9.00	0.015302	588	8,444
34465	262	237	8.33	0.015302	545	12,993
34470	369	325	14.67	0.015302	958	15632
34471	346	253	31.00	0.015302	2,026	21,437
34472	394	263	43.67	0.015302	2,854	19,277
34473	132	129	1.00	0.015302	65	7,588
34474	404	303	33.67	0.015302	2,200	15,761
34475	220	162	19.33	0.015302	1,263	13212
34476	304	247	19.00	0.015302	1,242	12,323
34479	154	154	0.00	0.015302	0	12,654
34480	193	191	0.67	0.015302	44	10,124
34481	365	305	20.00	0.015302	1,307	13,854
34482	256	183	24.33	0.015302	1,590	16,203
34484	23	23	0.00	0.015302	0	2,282
34488	320	193	42.33	0.015302	2,767	9,770
34491	456	354	34.00	0.015302	2,222	19,410
34498	4	4	0.00	0.015302	0	597
34601	1114	969	48.33	0.015302	3,159	20,832
34602	153	147	2.00	0.015302	131	5,947
34604	Please refer to Geographic Patient Zip Code 34609					
34606	826	672	51.33	0.015302	3,355	24,179
34607	179	140	13.00	0.015302	850	6,985
34608	771	700	23.67	0.015302	1,547	22,907
34609	815	695	40.00	0.015302	2,614	28,499
34610	246	208	12.67	0.015302	828	10,636
34613	551	387	54.67	0.015302	3,573	13,767
34614	49	45	1.33	0.015302	87	2,774
34639	256	219	12.33	0.015302	806	19,205

34652	631	402	76.33	0.015302	4,988	24,827
34653	681	483	66.00	0.015302	4,313	30,941
34654	275	187	29.33	0.015302	1,917	16,410
34655	433	338	31.67	0.015302	2,069	24,369
34661	22	13	3.00	0.015302	196	152
34667	688	446	80.67	0.015302	5,272	29,989
34668	1003	702	100.33	0.015302	6,557	42,073
34669	156	89	22.33	0.015302	1,460	10,484
34677	524	368	52.00	0.015302	3,398	19,628
34679	13	2	3.67	0.015302	240	208
34681	29	19	3.33	0.015302	218	1,239
34683	718	586	44.00	0.015302	2,875	34,025
34684	1089	871	72.67	0.015302	4,749	27,429
34685	283	234	16.33	0.015302	1,067	17,559
34688	Please refer to Geographic Patient Zip Code 34689					
34689	886	732	51.33	0.015302	3,355	28,752
34690	341	251	30.00	0.015302	1,961	13,007
34691	542	357	61.67	0.015302	4,030	18,526
34695	533	377	52.00	0.015302	3,398	18156
34698	1486	1130	118.67	0.015302	7,755	34,235
34705	54	33	7.00	0.015302	457	2,092
34711	674	580	31.33	0.015302	2,048	38,447
34731	315	226	29.67	0.015302	1,939	9,626
34736	203	175	9.33	0.015302	610	7,901
34737	30	28	0.67	0.015302	44	1,919
34748	1357	1095	87.33	0.015302	5,707	30,806
34753	62	54	2.67	0.015302	174	2,796
34756	63	48	5.00	0.015302	327	2,318
34759	20	17	1.00	0.015302	65	7,553
34762	32	26	2.00	0.015302	131	372
34785	399	327	24.00	0.015302	1,568	15,671
34787	631	540	30.33	0.015302	1,982	22,779
34788	759	511	82.67	0.015302	5,402	15,328
34797	35	23	4.00	0.015302	261	994
34974	44	20	8.00	0.015302	523	21,784

Filename: Final Districtwide 040607 App D Seasonal Data by ZIPs.xls
Sheet 4-Average Third Quarter Emergency Admissions by Zip Code
April 6, 2007

Example Calculation of Average Annual Third Quarter Hospital Admissions by Zip Code Patients Aged 55 - 84, Emergency Admissions Only

Permittees wishing to select partial zip codes/Zip Code Tabulation Areas (ZCTA) to represent their service area using the "Zip Codes Partially Within Small Service Areas" provisions of the rule will find the three-year average of third quarter admissions by Zip Code in Sheet 5 "Average Annual Q3 Admissions by Zip Code". Simply locate the selected zip code from the Geographic Patient Zip Code column and then locate the corresponding average emergency admissions in the "Avg. 1999-2001 Quarter 3 Admissions" column.

Final Districtwide 040607 App D Seasonal Data by ZIPs.xls
Sheet 4-Average Third Quarter Emergency Admissions by ZIP Code
April 6, 2007

Average Third Quarter Emergency Admissions - Patients 55-84 Years Old by Geographic Zip Codes

Geographic Patient Zip Code	Sum 1999-2001 Quarter 3 Admissions July-September	Avg. 1999-2001 Quarter 3 Admissions July-September
a	*b*	*b*/3
32102	19	6
32112	30	10
32113	109	36
32134	199	66
32148	101	34
32159	1,230	410
32162	See Zip Code 32159	
32179	173	58
32195	74	25
32617	77	26
32618	119	40
32621	134	45
32625	38	13
32626	263	88
32640	237	79
32667	63	21
32668	72	24
32669	173	58
32680	215	72
32686	152	51
32693	284	95
32696	288	96
32702	100	33
32712	404	135
32713	138	46
32720	45	15
32726	587	196
32735	102	34

32736	43	14
32757	540	180
32763	61	20
32767	44	15
32771	963	321
32776	131	44
32778	542	181
32779	382	127
32784	230	77
33471	39	13
33510	311	104
33511	684	228
33513	265	88
33514	35	12
33523	331	110
33525	725	242
33527	193	64
33534	225	75
33538	156	52
33540	1,024	341
33541	1,578	526
33542	See Zip Codes 33540 and 33541	
33543	233	78
33544	127	42
33547	130	43
33548	See Zip Code 33549	
33549	553	184
33556	147	49
33558	See Zip Code 33549	
33559	See Zip Code 33549	
33565	197	66
33566	287	96
33567	205	68
33569	769	256
33570	642	214
33572	246	82
33573	1,671	557
33576	79	26
33584	391	130
33585	29	10
33592	282	94
33594	708	236

33597	188	63
33598	182	61
33602	318	106
33603	420	140
33604	807	269
33605	605	202
33606	202	67
33607	769	256
33609	308	103
33610	1,030	343
33611	535	178
33612	1,028	343
33613	564	188
33614	802	267
33615	645	215
33616	180	60
33617	567	189
33618	260	87
33619	689	230
33620	2	1
33621	10	3
33624	484	161
33625	209	70
33626	74	25
33629	342	114
33634	226	75
33635	177	59
33637	112	37
33647	153	51
33701	715	238
33702	916	305
33703	649	216
33704	328	109
33705	893	298
33706	328	109
33707	648	216
33708	585	195
33709	1,126	375
33710	776	259
33711	411	137
33712	689	230
33713	678	226

33714	555	185
33715	151	50
33716	192	64
33755	686	229
33756	1,270	423
33759	565	188
33760	273	91
33761	663	221
33762	127	42
33763	878	293
33764	810	270
33765	400	133
33767	535	178
33770	1,186	395
33771	1,373	458
33772	803	268
33773	426	142
33774	627	209
33776	320	107
33777	462	154
33778	544	181
33781	830	277
33782	787	262
33785	155	52
33786	49	16
33801	1,073	358
33803	847	282
33805	743	248
33809	871	290
33810	524	175
33811	269	90
33813	559	186
33815	414	138
33823	413	138
33825	1,032	344
33827	50	17
33830	567	189
33834	106	35
33837	665	222
33838	90	30
33839	32	11
33841	179	60

33843	307	102
33844	981	327
33849	59	20
33850	74	25
33852	853	284
33853	1,053	351
33857	83	28
33859	See Zip Code 33853	
33860	405	135
33865	26	9
33868	210	70
33870	1,373	458
33872	1,056	352
33873	225	75
33875	See Zip Code 33872	
33876	See Zip Code 33870	
33880	366	122
33881	538	179
33884	222	74
33890	108	36
33896	See Zip Code 33837	
33897	See Zip Code 33837	
33898	See Zip Code 33853	
33903	491	164
33917	723	241
33920	87	29
33946	82	27
33947	273	91
33948	416	139
33950	1,287	429
33952	1,142	381
33953	116	39
33954	113	38
33955	186	62
33960	20	7
33980	343	114
33981	249	83
33982	266	89
33983	316	105
33993	15	5
34201	20	7
34202	154	51

34203	785	262
34205	1,013	338
34207	1,137	379
34208	620	207
34209	1,212	404
34210	466	155
34211	See Zip Code 34202	
34212	See Zip Code 34202	
34215	55	18
34217	309	103
34219	110	37
34221	992	331
34222	441	147
34223	824	275
34224	703	234
34228	107	36
34229	58	19
34231	384	128
34232	385	128
34233	313	104
34234	265	88
34235	206	69
34236	179	60
34237	179	60
34238	179	60
34239	202	67
34240	115	38
34241	167	56
34242	92	31
34243	268	89
34251	48	16
34266	866	289
34269	See Zip Code 34266	
34275	254	85
34285	221	74
34286	70	23
34287	708	236
34288	See Zip Code 34286	
34292	426	142
34293	567	189
34420	316	105
34428	70	23

34429	116	39
34431	120	40
34432	188	63
34433	32	11
34434	50	17
34436	156	52
34442	226	75
34446	167	56
34448	128	43
34449	35	12
34450	233	78
34452	244	81
34453	156	52
34461	103	34
34465	262	87
34470	369	123
34471	346	115
34472	394	131
34473	132	44
34474	404	135
34475	220	73
34476	304	101
34479	154	51
34480	193	64
34481	365	122
34482	256	85
34484	23	8
34488	320	107
34491	456	152
34498	4	1
34601	1,136	379
34602	153	51
34604	See Zip Code 34609	
34606	826	275
34607	179	60
34608	771	257
34609	835	278
34610	246	82
34613	551	184
34614	49	16
34639	256	85
34652	631	210

34653	681	227
34654	275	92
34655	433	144
34667	701	234
34668	1,003	334
34669	156	52
34677	524	175
34683	747	249
34684	1,089	363
34685	283	94
34688	See Zip Code 34689	
34689	911	304
34690	341	114
34691	542	181
34695	533	178
34698	1,486	495
34705	54	18
34711	674	225
34731	315	105
34736	203	68
34737	30	10
34739	7	2
34747	22	7
34748	1,357	452
34753	62	21
34756	63	21
34758	15	5
34759	20	7
34762	32	11
34772	30	10
34785	446	149
34787	631	210
34788	759	253
34797	35	12
34972	19	6
34974	44	15

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Sheet 5-Data Source and Modifications to the Data Set
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Source:
The original source of the admissions data is the Hospital Inpatient Data compiled by the
Florida Agency for Healthcare Administration (AHCA). The data are cumulative for the period
1999-2001.
The age range for patients is 55-84 years old. The totals reflect emergency admissions only.

Modifications to AHCA Dataset

Geographic ZIP Codes:
These are only ZIP Codes that have geographic boundaries. These ZIP Codes are assigned to
street or physical addresses exclusively. Emergency patients who listed post office box
addresses with post office box ZIP Codes were included in the ZIP Codes where those post
office boxes are physically located. Consequently, emergency admissions totals by ZIP Code
may differ from those calculated using the original admissions data from the Agency for
Healthcare Administration.

Quarter 3 (July-September) Modification:

For each year 1999-2001, and each Geographic ZIP Code, if third quarter (June-August)
emergency admissions were less than first quarter (January-March) emergencies, they were set
equal to first quarter emergency admissions. Consequently, the difference between emergency
admissions in the first quarter and those in the third quarter is greater than or equal to zero for
each year and each Geographic ZIP Code. This ensures that the peak seasonal resident ratio is
greater than or equal to 1.

Missing ZIP Codes

If a ZIP Code is not listed, it is because there were no emergency admissions for patients 55-84 years old in any quarter between January 1999 and December 2001 to hospitals located in counties inside or adjacent to the Southwest Florida Water Management District.

Reconciling New Geographic Patient ZIP Codes with Census 2000 ZIP Code Tabulation Areas (ZCTAs)

There was no permanent population for some of the geographic ZIP Codes listed in Table 1 below. These geographic ZIP Codes did not exist at the time the Bureau of the Census mapped the ZCTAs and have no ZCTA equivalent. The admissions reported from these geographic ZIP Codes were reassigned to their original geographic ZIP Codes. For example, emergency admissions reported from new ZIP Code 32162 were added to those reported from 32159. ZIP Code 33542 was carved out of two ZIP Codes (33540 and 33541). In this case, the admissions were divided according the percentage of housing units from each of the zip codes now inside 33542. Table 1 indicates which ZCTAs received admissions from these 18 new geographic ZIP Codes.

Note: Please scroll down to see Tables 1 and 2.

Table 1. Emergency Admissions for Patients 55-84 years old and Permanent Population for ZIP Codes and ZCTAs

New Geographic Patient ZIP Code Admissons Existing ZIP Code/ZCTA Admissions & Population					Existing ZIP Code/ZCTA Admissions & Population Existing ZIP Code/ZCTA Admissions & Population				
Geographic Patient ZIP Code	Quarter 1 January-March	Quarter 2 April-June	Quarter 3 July-September	Quarter 4 October-December	Associated ZCTA	Quarter 1 January-March	Quarter 2 April-June	Quarter 3 July-September	Quarter 4 October-December	Perm. Pop. ZCTA 4/1/00
32162	2	11	2	47	32159	1,228	1,004	997	1,210	27,939
33542	29	19	16	21	33540	1,009	776	681	828	18,837
33542	29	19	16	21	33541	1,564	1,129	867	1,229	23,017
33548	6	5	4	19	33549	546	486	483	517	44,672
33558	1	0	1	19	33549	546	486	483	517	44,672
33559	0	0	0	7	33549	546	486	483	517	44,672
33896	0	0	0	8	33837	663	446	414	529	21,315
33897	2	0	2	12	33837	663	446	414	529	21,315
33859	57	40	53	75	33853	996	763	769	833	34,439

33898	0	3	0	50	33853	996	763	769	833	34,439
33876	24	39	24	57	33870	1,349	1,012	871	1,118	22,563
33875	37	44	36	116	33872	1,019	742	632	855	20,593
34211	0	0	0	6	34202	154	126	118	153	15,335
34212	0	2	0	8	34202	154	126	118	153	15,335
34269	0	0	0	13	34266	866	670	613	754	31,964
34288	0	0	0	2	34286	70	63	55	77	8,610
34604	20	29	19	44	34609	815	732	695	748	28,499
34688	25	18	17	27	34689	886	760	732	752	28,752

Table 2 shows the combined old and new ZIP Code admissions data as it appears in the Sheet 3 "Data By ZIP Code".

Table 2. Combined Emergency Admissions for Selected Geographic Patient ZIP Codes

Geographic Patient ZIP Code	Quarter 1 January-March	Quarter 2 April-June	Quarter 3 July-September	Quarter 4 October-December	Q1-Q3 where Q3 <= Q1	Perm. Pop. ZCTA 2000
32159	1,230	1,015	999	1,257	231	27,939
33540	1,024	786	689	839	335	18,837
33541	1,578	1,138	875	1,239	703	23,017
33549	553	491	488	562	63	44,672
33837	665	446	416	549	249	21,315
33853	1,053	806	822	958	231	34,439
33870	1,373	1,051	895	1,175	478	22,563
33872	1,056	786	668	971	388	20,593
34202	154	128	118	167	36	15,335
34266	866	670	613	767	253	31,964
34286	70	63	55	79	15	8,610
34609	835	761	714	792	121	28,499
34689	911	778	749	779	162	28,752

For information on the origins of new ZIP Codes, see Sheet 8 "Contacts".

Determination of the Overall Emergency Admission Incidence for Seasonal Residents 55-84 years old

The admissions incidence is based on third quarter emergency hospital admissions for the age group 45-74 and is calculated as the admissions with patient ZIP Codes for this age group in ZIP Codes in the District divided by the total population of this age group in ZIP Codes in the District. The emergency admissions incidence is based on a younger age group because research indicates that the seasonal resident population is generally healthier than the equivalent age resident permanent resident population. The incidence is calculated as the 3-year average of 3rd quarter emergency admissions for the 45-74 age group divided by the Census year total 45-74 age group population for the ZIP Codes and ZCTA's in the District. Again, the three years used to estimate the average Census year admissions are Census -1, Census, and Census +1. For the 2000 Census, the District-wide 45-74 emergency admissions incidence to be used in estimating the Census year seasonal resident population is 0.015302.

	45-74 year old age group **1999 - 2001 Hospital Admissions** **Data** *(Emergency ONLY)*						
Geography	**Q1**	**Q2**	**Q3**	**Q4**	**TOTAL**	**Census 2000 Permanent Population**	**Overall Incidence***
	Jan-Mar	**Apr-Jun**	**Jul-Sep**	**Oct-Dec**		**45-74 years old**	
SWFWMD Counties	88,743	78,498	76,724	83,566	327,531	1,671,289	0.015302
					*Overall Incidence =		(76,724/3)/1,671,289

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Sheet 8-Contacts
April 6, 2007

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