

Southwest Florida Water Management District 2019 Estimated Water Use Report



South Straub Park, St. Petersburg FL

The Southwest Florida Water Management District (District) does not discriminate on the basis of disability. This nondiscrimination policy involves every aspect of the District's functions, including access to and participation in the District's programs, services and activities. Anyone requiring reasonable accommodation, or who would like information as to the existence and location of accessible services, activities, and facilities, as provided for in the Americans with Disabilities Act, should contact the Human Resources Office Chief, at 2379 Broad St., Brooksville, FL 34604-6899; telephone (352) 796-7211 or 1-800-423-1476 (FL only), ext. 4747; or email ADACoordinator@WaterMatters.org. If you are hearing or speech impaired, please contact the agency using the Florida Relay Service, 1-800-955-8771 (TDD) or 1-800-955-8770 (Voice). If requested, appropriate auxiliary aids and services will be provided at any public meeting, forum, or event of the District. In the event of a complaint, please follow the grievance procedure located at WaterMatters.org/ADA.

Southwest Florida Water Management District

2019 Estimated Water Use Report

This report is produced by the Southwest Florida Water Management District,
Resource Management Division, Water Resources Bureau, Water Supply Section

December 22, 2020

Authors: John F. Ferguson, P.G; Cassidy Hampton
PSAR Data Editors: Kelly Ostrenga

Staff Contributors:

April Breton

Michael Cote

Michelle Eddy

Mary Ellen Fugate

Cassidy Hinson

Edouard Kouadio, P.G.

Ryan Pearson

Robert Peterson, P.G.

Jessica Velasquez

Brent White

This report is available on-line at:

<https://www.swfwmd.state.fl.us/resources/plans-reports/general-reports>

A printed copy can be requested at:

info@watermatters.org

Suggested citation:

Ferguson, J. F., Hampton, C; 2020, Southwest Florida Water Management District, 2019 Estimated Water Use Report: Southwest Florida Water Management District, 236 p.

Data used by this report were collected for specific permits by the Southwest Florida Water Management District from various sources and methods. The data obtained from the District's databases may be provisional and thus subject to revision. The District does not warrant, guarantee, or make any representations regarding the use, or the results of the use, of the data in terms of correctness, accuracy, reliability, completeness, usefulness, timeliness or otherwise and the District specifically disclaims any warranty, either expressed or implied, including but not limited to the implied warranties of merchantability and fitness for a particular use. The data is provided "as is" and the entire risk as to quality and performance is with the user. In no event will the District be liable for any direct, indirect, incidental, special, consequential, or other damages, including loss of profit, arising out of the use of these data even if the District has been advised of the possibility of such damages. All data are intended for the District's use. These data do not represent an endorsement or recommendation. If you have any questions concerning these data, contact the Water Resources Bureau at (352) 796-7211 or 1-800-423-1476 (Florida).

2019 ESTIMATED WATER USE REPORT

Table of Contents

Executive Summary	7
Introduction	9
Public Supply	17
Domestic Self-Supply	25
Landscape/Recreation	29
Agriculture	33
Mining/Dewatering	39
Industrial/Commercial	43
Institutional and “Other” Uses	47
Districtwide Totals	51

LIST OF FIGURES

Figure 1. SWFWMD Counties and Water Use Caution Areas	10
Figure 2. Watershed Areas of Upper Myakka River and Shell, Prairie, and Joshua Creeks	11
Figure 3. Water Use Permits in the SWFWMD	13
Figure 4. Percentage of Public Supply Withdrawal & Use by County	23
Figure 5. Public Supply Monthly Withdrawal and Monthly Regional Rainfall	24
Figure 6. Percentage of Estimated Domestic Self-supply Water Use by County	27
Figure 7. Percentage of Landscape/Recreation Water Use by County	32
Figure 8. Landscape/Recreation Monthly Withdrawals and Monthly Regional Rainfall	32
Figure 9. Percentage of Agriculture Water Use by County	37
Figure 10. Agriculture Monthly Withdrawals and Monthly Regional Rainfall	37
Figure 11. Percentage of Mining/Dewatering Water Use by County	42
Figure 12. Mining/Dewatering Monthly Withdrawals and Monthly Regional Rainfall	42
Figure 13. Percentage of Industrial/Commercial Water Use by County	46
Figure 14. Industrial/Commercial Monthly Withdrawals and Monthly Regional Rainfall	46
Figure 15. Percentage of Institutional and Other Water Use by County	49
Figure 16. Institutional and Other Monthly Withdrawals and Monthly Regional Rainfall	49
Figure 17. Percentages of Total Withdrawals and Total Use by County	58
Figure 18. Total Groundwater and Surface Water Withdrawals by County	59
Figure 19. Total Water Monthly Withdrawals and Monthly Regional Rainfall	59
Figure 20. Total Withdrawals by Predominant Use Category	60

2019 ESTIMATED WATER USE REPORT

LIST OF TABLES

Table ES-1. Districtwide Water Withdrawals & Use	7
Table 1. Public Supply Water Withdrawals & Use by County	22
Table 2. Domestic Self-Supply Water Use by County	26
Table 3. Landscape/Recreation Water Withdrawals by County & Use Type	31
Table 4. Agricultural Water Withdrawals by County & Use Type	36
Table 5. Mining/Dewatering Water Withdrawals by County & Use Type	41
Table 6. Industrial/Commercial Water Withdrawals by County & Use Type	45
Table 7. Institutional & “Other” Water Withdrawals by County & Use Type	48
Table 8a. Summary of 10 Years of Metered Water Use Data	53
Table 8b. Permitted Quantities, for Metered & Unmetered WUPs	53
Table 9. Total Withdrawal and Use Quantities by Predominant Use & County	54
Table 10. Total Permitted and Withdrawn Quantities	55
Table 11. Total Permitted and Withdrawn Quantities, Metered WUPs only	56
Table 12. Total Permitted and Withdrawn Quantities, Unmetered WUPs only	57

APPENDICES

APPENDIX A Summaries of Metered Water Use Permits	61
Table A-1, Part 1. Public Supply Annual Report (PSAR) Water Use Data	63
Table A-1, Part 2. Withdrawals on other Metered Public Supply WUPs	71
Table A-2. PSAR Use Type Percentages and Residential Per Capita	76
Table A-3. PSAR Utility Permit to Permit Water Transfers	83
Table A-4. Public Supply Monthly Average Withdrawals by County	87
Table A-5. Permitted and Withdrawn Quantities on Metered Landscape/Recreation WUPs	88
Table A-6. Total Landscape/Recreation Average Monthly Withdrawals by County	105
Table A-7. Permitted and Withdrawn Quantities on Metered Agricultural WUPs	106
Table A-8. Total Agriculture Monthly Average Withdrawals by County	173
Table A-9. Permitted and Withdrawn Quantities on Metered Mining/Dewatering WUPs	174
Table A-10. Total Mining/Dewatering Monthly Average Withdrawals	178
Table A-11. Permitted and Withdrawn Quantities on Metered Industrial/Com. WUPs	179
Table A-12. Total Industrial/Commercial Monthly Average Withdrawals	186
Table A-13. Permitted and Withdrawn Quantities on Institutional and Other WUPs	187
Table A-14. Total Institutional and Other Monthly Average Withdrawals	190

2019 ESTIMATED WATER USE REPORT

APPENDIX B Summaries of Groundwater & Surface Water Withdrawals	191
Table B-1. Districtwide per County	192
Table B-2. Southern Water Use Caution Area	193
Table B-3. Most Impacted Area of the Southern Water Use Caution Area	194
Table B-4. Northern Tampa Bay Water Use Caution Area	195
Table B-5. Dover/Plant City Water Use Caution Area	196
Table B-6. FARMS Upper Myakka Priority Watershed	197
Table B-7. FARMS Shell Creek Priority Watershed	198
APPENDIX C Permitted Groundwater & Surface Water Annual Average Quantities	199
Table C-1. Districtwide per County	200
Table C-2. Southern Water Use Caution Area	201
Table C-3. Most Impacted Area of the Southern Water Use Caution Area	202
Table C-4. Northern Tampa Bay Water Use Caution Area	203
Table C-5. Dover/Plant City Water Use Caution Area	204
Table C-6. Dover/Plant City WUCA Freeze Protection Quantities	205
Table C-7. Dover/Plant City WUCA Freeze Protection Count.of.WUPs	205
APPENDIX D Historic Per Capita Rates from Public Supply Annual Reports	207
Table D-1. Public Supply Unadjusted Gross Per Capita Water Use	208
Table D-2. Public Supply Compliance Per Capita Water Use	214
APPENDIX E DEP Uniform Per Capita Report	221
Table E-1: DEP.Uniform Per Capita Report	222
APPENDIX F Estimated Water Use Report History and Methodology	229
Table F-1: Monthly and Annual Average Ratios for Unmetered Water Use Estimates	235

2019 ESTIMATED WATER USE REPORT

EXECUTIVE SUMMARY

The Estimated Water Use (EWU) Report summarizes the withdrawal and use of water from natural resources in the Southwest Florida Water Management District (District). The EWU Report is a source for a variety of water supply planning and management purposes; however, it's independent of the District's compliance evaluation for conditions of water use permits (WUPs). The report is based primarily on statistical analyses of metered pumpage records in the District's Water Management Information System (WMIS). Metered sources account for 89 percent of the total withdrawals reported.

The EWU Report quantifies water withdrawals and use under the predominant use categories, as listed in Table ES-1 below.

Table ES-1. Districtwide Water Withdrawals and Use (mgd) in 2019.

Category	Withdrawal	Use
Public Supply	564.7	533.7
Domestic Self Supply	34.8	34.8
Landscape/Recreation	58.7	58.7
Agriculture	339.9	339.9
Mining/Dewatering	18.9	18.9
Industrial/Commercial	55.2	55.2
Institutional	0.4	0.4
"Other" Uses	0.2	0.2
Total	1,072.8	1,041.8

For all categories except public supply, the quantity of water withdrawn is assumed to be the amount used, since the water was likely withdrawn at the same time and general location of its use. Public supply withdrawals are often transferred regionally, stored seasonally, and are subject to treatment and distribution losses; therefore, the quantity and spatial use can vary significantly.

As shown, the total amount of water withdrawn in the District from natural resources was 1,072.8 mgd. The total water used was 1,041.8 mgd. Most withdrawals were for public supply at 53 percent of total withdrawals, followed by agriculture at 32 percent of withdrawals.

PUBLIC SUPPLY

The public supply use category includes public water systems, regional water supply authorities,

privately held water utilities, and other entities that provide potable water to an identifiable population. It also includes commercial businesses and industries that received water from public supply utilities.

The 564.7 mgd of public supply withdrawals in 2019 are up from the 551.9 mgd in 2018. After accounting for net changes in reservoir storage and losses from treatment and transmission, the public supply use quantity is 533.7 mgd, which is up from the 518.8 mgd used in 2018.

The water used for public supply was distributed to a functional population of approximately 5.5 million persons. The unadjusted gross use per person was 97 gallons per capita per day (gpcd) Districtwide. Applying various deductions, the "adjusted gross per capita" was 95 gpcd, the "compliance per capita" was 91 gpcd, and the "residential per capita" was 66 gpcd. The multiple per capita measures are explained in the public supply chapter of this report.

DOMESTIC SELF-SUPPLY

The District does not regulate or meter domestic self-supply withdrawals, so this category is wholly estimated. An estimated rural population of 469,000 persons living outside of utility service areas used 34.8 mgd from their domestic wells, based on the countywide residential per capita use ratios observed for public supply.

LANDSCAPE/RECREATION

The landscape/recreation use category is for irrigation of large landscapes such as golf courses, municipal common areas, cemeteries, sports playing fields, and botanical gardens. It also includes consumptive uses at theme parks and other recreational attractions. The annual average use for 2019 was 58.7 mgd, which is up from 57.2 mgd in 2018. Irrigation of golf course play areas account for 48 percent of water use within the landscape/recreation category.

AGRICULTURE

The agriculture use category includes water for irrigation and establishment of crops, crop freeze protection, fertigation and chemigation, irrigation system maintenance, on-site washing and packing of products, animal watering and cleaning, and other uses. The average use in 2019 was 339.9 mgd, which was down from 355.0 mgd in 2018. Citrus crops accounted for 55 percent of the agriculture use total.

2019 ESTIMATED WATER USE REPORT

MINING/DEWATERING

The mining/dewatering quantities represent only the water consumed from natural resources. Mining operations recirculate much of their water supply on-site and utilize alternative water sources if available. Consumptive uses include washing and sorting of mined materials, non-recycled or make-up slurry transport water, on-site processing, dewatering quantities that are discharged off-site, water entrained with the product, and water for potable/sanitary use by employees. The annual average use in 2019 was 18.9 mgd, which was down from the 19.8 mgd in 2018. Phosphate mining accounted for 95 percent of the mining/dewatering total.

INDUSTRIAL/COMMERCIAL

The industrial/commercial use category is for self-supplied water used by industries and businesses. It includes product manufacturing, off-site phosphate processing, food and beverage processing and packing, power generation, evaporative cooling systems, and various commercial operations. The average industrial/commercial use in 2019 was 55.2 mgd, which was down from the 64.5 mgd in 2018. Power generation uses (non-seawater) accounted for 15.5 mgd, or 28 percent of the total.

INSTITUTIONAL AND OTHER USES

The “institutional” and “other” use type categories were adopted by the District in 2014. The categories share a combined chapter in this report since the quantities are relatively small. The institutional use category includes hospitals, schools, and other facilities that were historically categorized as industrial/commercial or public supply. Institutional uses averaged 0.4 mgd in 2019.

The permitted “other” uses are primarily for environmental augmentation to maintain levels in surface water bodies if they fall below trigger elevations defined by environmental management plans. In 2019 the “other” uses were approximately 0.2 mgd. There was near-average regional rainfall in 2019 which helped to alleviate augmentation demands.

WATER USE CAUTION AREAS

Water withdrawal quantities for the District’s three Water Use Caution Areas (WUCAs) and the Most Impacted Area (MIA) of the Southern Water Use Caution Area (SWUCA) are reported in Appendix B. The estimates below are based on regulated sources only and therefore exclude domestic self-supply.

SWUCA: A quantity of 603.2 mgd was withdrawn in the SWUCA, of which 495.9 mgd was from groundwater and 107.3 mgd was from surface water. The largest water use category in the SWUCA was agriculture at 285.5 mgd.

MIA of the SWUCA: A quantity of 115.0 mgd of water was withdrawn by WUPs in the MIA of the SWUCA, of which 77.3 mgd was from groundwater. Agriculture accounted for 34 percent of the withdrawals and public supply was 49 percent; however, the majority of the public supply was from surface water sources in Manatee County.

Northern Tampa Bay WUCA (NTB WUCA): A quantity of 297.9 mgd of water was withdrawn in the NTB WUCA in 2019. Groundwater made up 173.9 mgd of the withdrawals. The largest use category in the NTB WUCA was public supply at 85 percent of the total, although 47 percent of the public supply was from surface water sources.

Dover/Plant City WUCA (DPC WUCA): A quantity of 43.5 mgd of water was withdrawn in the DPC WUCA, of which 96 percent was from groundwater. The largest use in the DPC WUCA was for agriculture at 21.2 mgd. There were no major freeze events in the DPC WUCA in 2019.

FARMS PRIORITY WATERSHEDS

Tables B-6 and B-7 in Appendix B quantify water resource withdrawals within the FARMS priority watersheds of the Upper Myakka River and Shell Creek. Withdrawals in the Upper Myakka watershed totaled 23.1 mgd, nearly all from groundwater. The Shell Creek priority watershed withdrawals were 15.8 mgd, of which 46 percent were from groundwater.

2019 ESTIMATED WATER USE REPORT

INTRODUCTION

The Southwest Florida Water Management District (District) is one of five regional water management districts created by the Florida Legislature. The District's mission is to protect water resources, minimize flood risks, and ensure the public's water needs are met. The District's jurisdictional boundary is based primarily on watershed drainage basins. The District encompasses all or part of 16 counties: Charlotte, Citrus, DeSoto, Hardee, Hernando, Highlands, Hillsborough, Lake, Levy, Marion, Manatee, Pasco, Pinellas, Polk, Sarasota, and Sumter.

Figure 1 shows the District's boundaries and the boundaries of water use caution areas (WUCAs) defined within the District: the Southern WUCA (SWUCA), the Northern Tampa Bay WUCA (NTB WUCA), and the Dover/Plant City WUCA (DPC WUCA). The region defined as the Most Impacted Area (MIA) is a special area within the SWUCA where permitting of new quantities that impact the Upper Floridan aquifer water level is currently suspended. Figure 2 shows two FARMS Watershed Priority Areas for which water use is quantified.

The WUCAs are areas where the District determined that recovery strategies are needed to address water resource impacts. Strategies include enhanced regulatory requirements, engineering projects, and other management tools. Water use permits (WUPs) within the WUCAs are subject to specific meter and pumpage reporting requirements.

Portions of the SWUCA and the NTB WUCA were created in 1989 and 1991, respectively, because long-term withdrawals from the Upper Floridan aquifer contributed to sea water intrusion, reduced aquifer levels, and lowered water levels in lakes and wetlands, among other impacts. The DPC WUCA was created in 2011 in response to intense but short-term pumpage for crop freeze protection that caused intense drawdown in the Upper Floridan aquifer and off-site property damage. The DPC WUCA includes portions of the SWUCA and NTB WUCA but does not supersede them.

The Central Florida Water Initiative (CFWI) is a water supply planning area that overlaps the three water management districts in central Florida. It was established for collaborative

planning efforts among the districts and other agencies and stakeholders. The District's portion of the CFWI planning area matches the political boundaries of Polk and Lake Counties within the District. CFWI-specific calculations are not provided in this report because data from the two counties can be easily combined if needed.

HISTORY OF SWFWMD ESTIMATED WATER USE REPORTS

The District has prepared Estimated Water Use (EWU) reports since 1982. Through 1986, the reports were a cooperative effort between the District and U.S. Geological Survey (USGS). Beginning in 1987, the District published these reports on an annual or bi-annual basis. Prior to 1992, the EWU reports relied on non-documented sources such as data from the Benchmark Farm Program for agricultural WUPs, voluntary survey responses for public supply, the Bureau of Economic and Business Research (BEBR) population information for domestic use, and reported meter data for industrial use and power generation use. Beginning in 1992, the EWU reports were based on the metered water use data as a growing number of WUPs were required to report their metered withdrawals on a monthly basis. The water use categories were refined for the 1994 report. Due to changes in methodology, it is not recommended to utilize multi-year charts and graphs that combine the pre- and post- 1994 water use totals.

The water use data was primarily derived from WUP-reported withdrawals in the District's Water Management Information System (WMIS) database. Most of the water quantities are from empirical data - metered withdrawal points routinely reported by permittees. Ratio-based (withdrawn/permited) estimates are applied to unmetered withdrawal points. Since 1992, sets of estimation ratios are calculated by month, predominant use type, and by four tiers of well/intake permit quantity size. A detailed methodology explanation is provided in Appendix F. Since this report's total water use contains an element of estimation, it's collectively known as the "Estimated Water Use Report."

The WUCA rules have defined which withdrawal points are metered. Prior to the WUCAs, the District only required metering for WUPs permitted for 500,000 gallons per day (gpd) or more on an annual average basis.

2019 ESTIMATED WATER USE REPORT

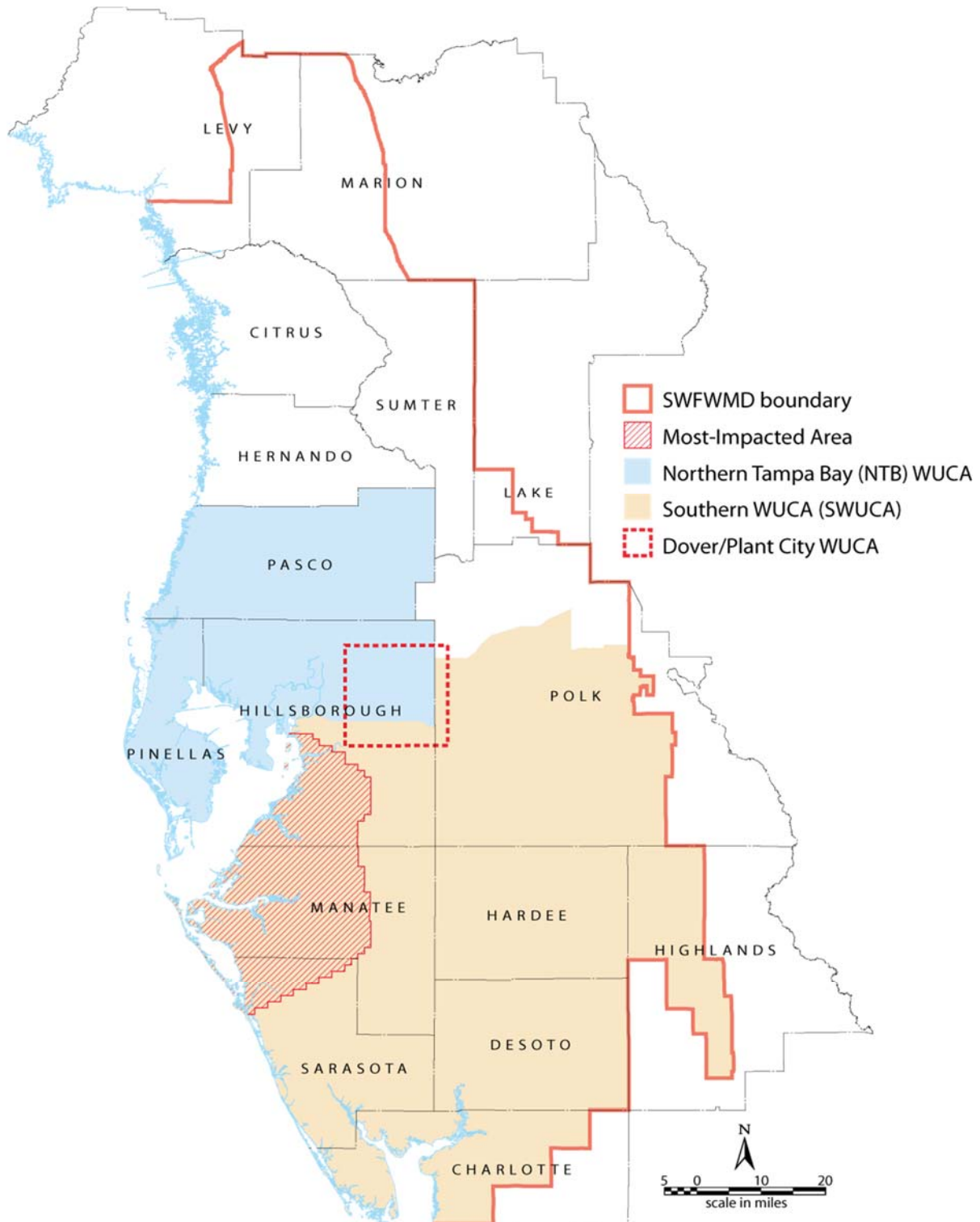


Figure 1. Southwest Florida Water Management District, Counties, and Water Use Caution Areas

2019 ESTIMATED WATER USE REPORT

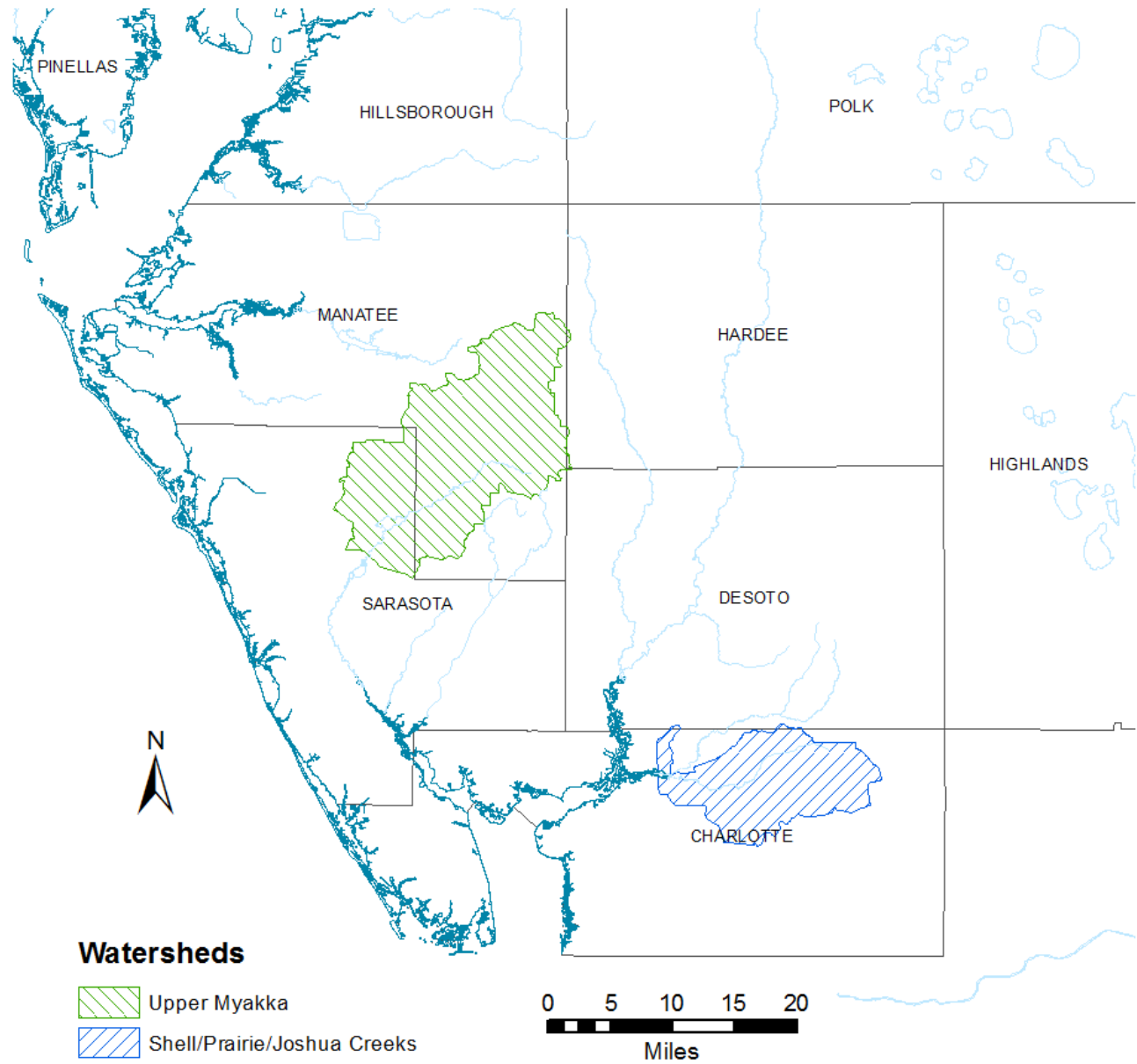


Figure 2. FARMS Priority Watershed Areas of Upper Myakka River and Shell, Prairie, and Joshua Creeks

2019 ESTIMATED WATER USE REPORT

In 2003, the metering threshold became 100,000 gpd for all public supply WUPs Districtwide and all other WUPs located within a WUCA. Most non-public supply WUPs outside of the WUCAs (in the District's northern counties) still have a metering threshold of 500,000 gpd. The District may require special meter reporting for WUPs below the threshold if there's a possibility that the withdrawals could impact existing users or natural systems in their vicinity. Since 2012, metering has been required on all WUPs in the DPC WUCA that have freeze protection quantities from groundwater or have groundwater permitted for irrigation of crops that typically need freeze protection.

The ability to collect and keep accurate meter records on water use for four decades has been tremendously important to the District's mission of managing the limited water resources. Doing so increases the likelihood that water is shared fairly and that withdrawals do not adversely impact existing legal users and environmental resources. The District has a high number of responsible permittees who submit meter records and reports as required under the terms of their WUPs. The accurate records are also of high value to the permittees.

Most of the unmetered WUPs are issued for less than 100,000 gpd on an annual average basis. There are some small wells and intakes that are still metered to monitor potential environmental or resource impacts, and there are some small withdrawal points included on large permits. These sources create proportional metered data that benefit the estimation process.

WATER USE CATEGORIES

The EWU Report identifies the use of water by seven broad "predominant use" categories:

- Public Supply
- Domestic Self-Supply
- Landscape/Recreation
- Agricultural
- Mining/Dewatering
- Industrial/Commercial
- Institutional & "Other"

Figure 3 shows the distribution of regulated groundwater wells within the District by predominant use category and tiered permitted

quantity. The sections of this report are dedicated to each predominant use category, and specific use groups within each category are summarized. WUPs with more than one predominant use have their withdrawals appropriated to each category in this report. The institutional and "other" uses are relatively small, so they share a combined section in this report.

The District uses over 300 detailed water use codes to identify specific activities. Many large permittees have multiple use codes to define various uses, and some wells may have more than one use code. To prevent this report's tables from being overly complicated, detailed uses are grouped by general similarities. Specific use code definitions can be found in the footnotes of the Appendix A tables.

The domestic self-supply use category is not regulated and has no available metered data. It's estimated using the county's average residential per capita use multiplied by each county's self-supply population. The category is excluded from some tables in this report that focus on withdrawals from regulated sources only.

AUGMENTATION AND REPUMPED WATER

This report focuses on withdrawals from natural resources, but WUPs may report pumpage for numerous reasons. Withdrawals from natural resources that are sent directly to the end use are called "production pumpage." Withdrawals from natural resources that are sent to irrigation ponds and are later repumped to the end use are called "augmentation pumpage." Only production pumpage and augmentation pumpage are tallied as withdrawals in this report. Repumped quantities are excluded because they are not directly withdrawn from natural water resources. Repumped quantities may have been previously counted as augmentation and may have been blended with reclaimed water or captured stormwater.

Agricultural crop irrigation estimates derived from this report should consider that permittees may have used repumped tailwater, stormwater, or reclaimed water that reduced the need to withdrawal from natural resources. Alternative supplies or recirculated quantities may have reduced the resource withdrawals from the actual crop application rate.

2019 ESTIMATED WATER USE REPORT

Groundwater Wells by Use and Permit Quantity (GPD)

AGRICULTURAL

- 1 - 50k
- 50k - 100k
- 100k - 500k
- 500k - 1M
- > 1M

INDUSTRIAL AND COMMERCIAL

- 1 - 50k
- 50k - 100k
- 100k - 500k
- 500k - 1M
- > 1M

LANDSCAPE/RECREATION

- 1 - 50k
- 50k - 100k
- 100k - 500k
- 500k - 1M
- > 1M

MINING/DEWATERING

- 1 - 50k
- 50k - 100k
- 100k - 500k
- 500k - 1M
- > 1M

PUBLIC SUPPLY

- 1 - 50k
- 50k - 100k
- 100k - 500k
- 500k - 1M
- > 1M

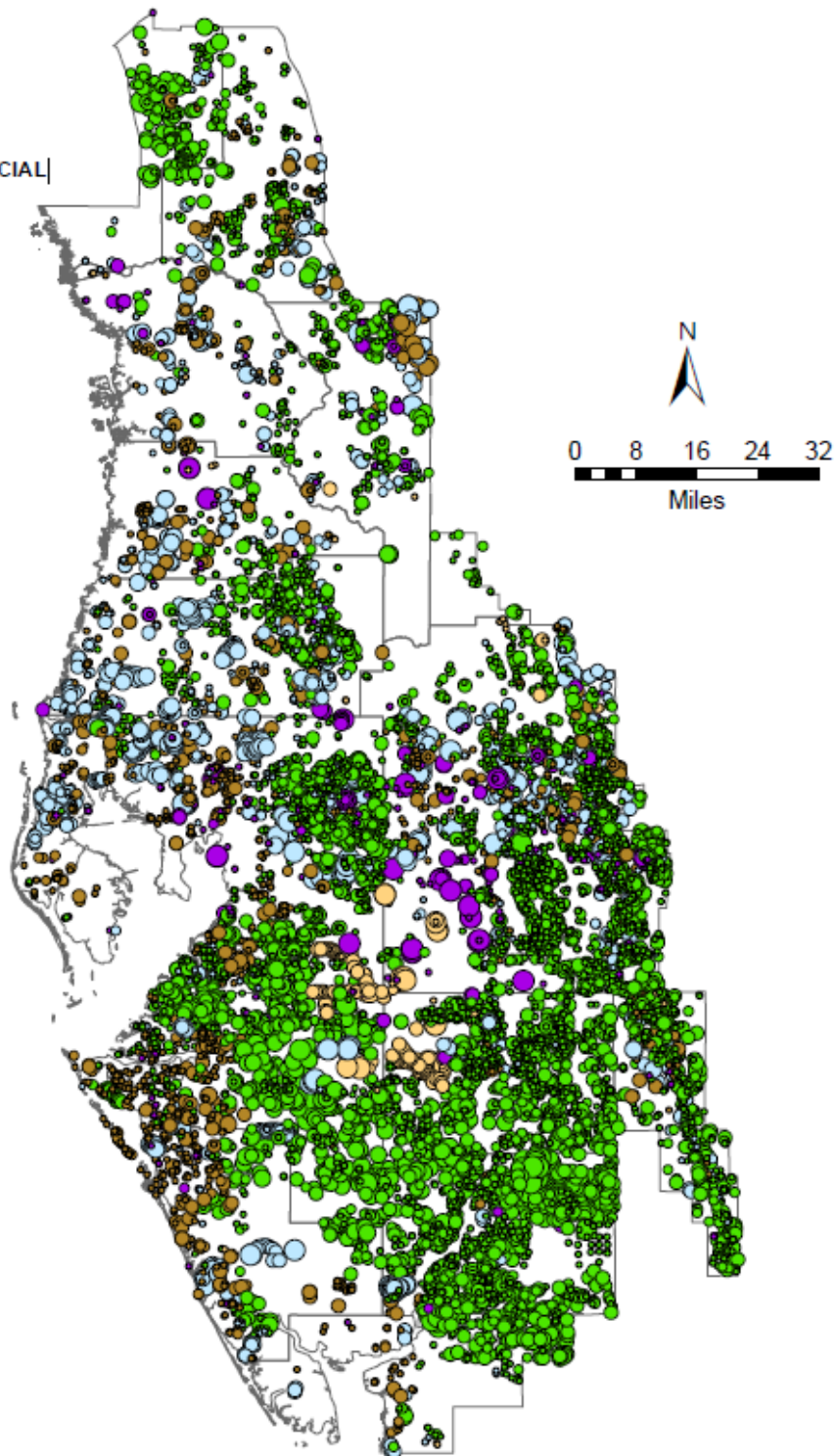


Figure 3. Active Groundwater Wells in the Southwest Florida Water Management District by Tiered Permitted Quantity (gpd annual average) and Predominant Use Type.

2019 ESTIMATED WATER USE REPORT

Reclaimed water use is not quantified in this report, except for deductions calculated for compliance per capita use. Reclaimed water inflows and use are quantified in other District reports available at: <https://www.swfwmd.state.fl.us/projects/reclaimed-water>

Captured stormwater is not regulated by the District, and it's seldom quantified by the users. Captured stormwater use typically isn't included in this report, except for a couple of public supply utilities that use a large amount of stormwater for irrigation.

MITIGATION WITHDRAWALS

Environmental mitigation pumpage of groundwater to surface water bodies is included in this report on a case-by-case basis. Sometimes withdrawals from a shallow well to a small water body are excluded because a substantial portion of water percolates back into a poorly confined aquifer, and the quantity is assumed to be largely recirculated. Mitigation pumpage has historically been classified the same as the predominant use causing the impact, although a growing number of mitigation withdrawals are being categorized in the "other" use type.

ALTERNATIVE WATER SUPPLY REQUIREMENTS

The District may require a permittee to use reclaimed water or other alternative water supply (AWS) in place of natural resources when the AWS is available, is feasible, and the water has the quality and reliability necessary for the use. For WUPs where an AWS is the primary supply, there may be a permitted "standby" quantity of groundwater or surface water that can be pumped if the AWS is not available through no fault of the permittee. In some cases, active permittees may appear to have little or no water use in this report because they were mostly or solely utilizing an AWS source.

CAVEATS FOR WATER USE ESTIMATIONS

Some water withdrawals aren't regulated and therefore aren't quantifiable by metered pumpage. A WUP is not required for withdrawals of less than 100,000 gpd from a well that is less than 6 inches in diameter, or from a surface water withdrawal pipe less than 4 inches in diameter. In the MIA of the SWUCA, a WUP is required when the cumulative outside diameter of the

user's well is greater than 6 inches and the well was constructed after April 11, 1994.

Annual Average Units: All quantities in this report are annual average daily units of "million gallons per day" (mgd) unless otherwise indicated. For counties that are only partially within District boundaries (Charlotte, Highlands, Lake, Levy, Marion, and Polk), the quantities are only for the portions of the counties within the District.

Domestic Self-supply Wells: The common water source for rural households are privately owned wells typically 4 inches in diameter, which are exempt from WUPs. This report contains estimates for domestic self-supply use at residences outside of utility service areas based on U.S. Census parcel population. Actual water use per property can vary; some may have only indoor uses while others may include outdoor uses, such as garden, irrigation, or animal uses at ranchette properties. Domestic self-supply estimates do not include self-supplied residential lawn irrigation wells within public supply utility service areas.

Meter Reporting Errors: This report was compiled by analyzing approximately 296,400 monthly and daily pumpage/meter readings received from permittees. Some reporting errors are inevitable. Obvious errors such as misplaced decimals or uncorrected meter rollovers are fixed when found. Despite quality control efforts, some errors can be masked as a reasonable quantity or by the fact that some withdrawals will vary greatly by season or annually. Meter readings that appear within the realm of possibility may still contain undetected recording or reporting errors. Corrections are made to historical records in the WMIS database as they are identified (with written consent from the permittee), which may create discrepancies between published EWU Reports and WMIS queries made at earlier or later dates.

Rounding Discrepancies: For this report, raw numbers were calculated to the gallon at the extent available, although many flow meters have hundred-gallon or thousand-gallon units. Values are rounded during the later stages of analysis. Despite the commutative and associative laws of mathematics, similar calculations of very large data fields can yield slightly different answers. Thus, some totals shown may be slightly different

2019 ESTIMATED WATER USE REPORT

from manual calculations performed by the reader. Small discrepancies occur occasionally within the tables due to rounding and averaging. For this reason, the mgd totals are presented to three decimal places in most tables and appendices to support calculations but are given to only one decimal place in the text to express a more conservative level of accuracy.

“USE” VERSUS “WITHDRAWAL” TERMINOLOGY

This report’s sections on public supply and districtwide totals describe separate quantities for withdrawals and use. For all predominant use categories except public supply, the water “use” is synonymous with water “withdrawal” because the water is typically used where and when it is withdrawn. For the public supply category, a utility’s actual water use can be quite different from the amount withdrawn for several reasons:

- Imports and exports between utilities (including some outside of the District),
- Net yearly quantities stored and released from off-stream surface water reservoirs or aquifer storage and recovery (ASR) systems,
- Exports from regional large-scale water treatment facilities to public utilities in multiple counties,
- Water treatment losses, which may range from 15 to 50 percent for brackish groundwater desalination systems,
- Transmission system losses.

The public supply “use” data is acquired from water utilities’ Public Supply Annual Reports (PSARs) which are submitted to the District by April of the following year. Any discrepancies between monthly metered pumpage and PSAR data are reconciled.

SNAPSHOTS IN TIME

The WMIS database is dynamic; it is updated daily as WUPs are issued, modified, and expire. The cumulative changes are relatively stable, but specific values can fluctuate. This report relies on “snapshots” of permit and pumpage data that are taken on separate dates.

Permit Data: A snapshot of 2019 permit data was taken on January 2nd, 2020 to save the end-of-year 2019 WUP conditions. The snapshot captured attributes of every active WUP and archived approximately 913mb of permit data

from WMIS. The permit snapshot data for the EWU Report includes:

- The status and permit quantity of each WUP.
- Each withdrawal point’s status, location, and permitted quantity apportioned from the WUP’s total permit quantity.
- The water use types and quantity allocations as assigned to the WUP and to specific withdrawal points.
- Several alpha-numeric codes applied to the permit and withdrawal points that describe various attributes and identify regulatory conditions.

Pumpage Data: Pumpage snapshots for this report are queried a few times later in the year. The permittees have a few weeks after the new year to upload their December pumpage. District staff first review the permit snapshot data because it defines which withdrawal points were valid and should their pumpage data counted. District staff also allow time through the year for tardy submissions and for pumpage errors to be identified and corrected with permission from the permittee. The final 2019 pumpage snapshot for this report was taken on October 5,, 2020.

APPENDICES

Six appendices are provided in this report.

Appendix A, where Tables A-1 through A-3 show the withdrawals, imports, exports, population served, and other data summarized from the PSARs for public supply. Additional tables for other water use categories contain lists of all metered WUPs and their annual average withdrawal, the permit total, and the portion of the permit total allocated to the particular water use category. Similar data for non-metered WUPs is available to the public by request. Appendix A also includes tables showing the monthly average withdrawals for each water use category by county.

Appendix B shows the total annual average quantities withdrawn from regulated water resources within the District, within the three WUCAs, within the MIA of the SWUCA, and within the FARMS Priority Watersheds of the Upper Myakka River and Shell Creek. The withdrawal quantities are separated by surface water only and groundwater only.

2019 ESTIMATED WATER USE REPORT

Appendix C identifies the total permitted quantities and annual averages from surface water and groundwater by county for the District, the three WUCAs, and the MIA of the SWUCA. Appendix C also contains freeze protection quantities permitted for agricultural use in the DPC WUCA.

Appendix D contains ten years of historic per capita water use for the public supply permittees that submit PSARs. Two tables are provided, one for unadjusted gross per capita (Table D-1) and one for compliance per capita (Table D-2).

Appendix E contains the Uniform Per Capita Report prepared for the Florida Department of Environmental Protection (DEP). The report

provides utility gross and residential per capita estimates that were calculated in accordance with statewide consistency guidelines universally accepted by DEP and the five Water Management Districts in 2008. The estimates are based on persons per household data, which allows a consistent methodology for all utilities in Florida but may not be as accurate as information provided in Appendix A.

Appendix F is a methodology section that explains how the data from the WMIS database, PSARs, and other sources is analyzed and processed to create the EWU reports. It also contains information regarding historical improvements to the methods.

2019 ESTIMATED WATER USE REPORT

PUBLIC SUPPLY
WITHDRAWALS = 564.7 MGD
USE = 533.7 MGD

For the public supply use category, the location and quantity of water “used” by customers can vary from quantities “withdrawn” from water resources due to imports and exports between public supply utilities; treatment, storage, and distribution system losses; and net quantities retained and released from storage systems over the year to improve supply reliability. In 2019, average withdrawals in the District for public supply totaled 564.7 mgd. This total includes 344.8 mgd of groundwater, 213.4 mgd of surface water, and 6.5 mgd of desalinated seawater. The withdrawals increased from 551.9 mgd in 2018 and are above a ten-year average of 528.9 mgd.

After imports, exports, storage, and distribution losses were accounted for, the total gross public supply water use was 533.7 mgd. The public supply withdrawals and gross use for each county are shown in Table 1.

GENERAL INFORMATION

The public supply water use category is for water quantities distributed by public and private water utilities. Public supply is defined by District Rule as a community water system that serves at least 15 service connections used by year-round residents or that serves at least 25 individual year-round residents. Some specific uses by large utilities aren’t directly related to population such as fire suppression use, lawn and landscape irrigation, common area irrigation, and water supplied to businesses and commerce. The public supply category may also be a minor subcategory allocation for permittees that are not connected to a utility but provide water for personal/sanitary use to employees, visitors, farmworkers, etc.

DATA SOURCES

There are three sources of data for the public supply water use category: the 2019 PSARs provided by large water utilities, metered withdrawals from the WMIS database for other permittees with a public supply allocation, and District-estimated withdrawals for small public supply WUPs (having allocations less than 100,000 gpd). In 2019, there were 355 active WUPs that included a public supply use. There

were 133 WUPs with PSAR reporting conditions. Eleven of the PSAR utilities were “wholesale” utilities that have no local withdrawals but provide a PSAR because they import 100,000 gpd or more from a regional water authority or neighboring utility.

The PSARs include several details of annual water use and other demographic information. Select PSAR data for each utility is provided in Appendix A, Tables A-1 through A-3. Table A-1, Part 1 shows the water withdrawn from resources, import/exports, treatment losses, gross use, functional population served, and per capita use calculations. Table A-2 shows the PSAR utility-reported specific uses for water delivered: approximately 69 percent for residential uses, 19 percent for industrial/commercial customers served by utilities, 9 percent was accounted by distribution system losses, and the remainder was used for common-area irrigation, firefighting, etc. Table A-1, Part 2 lists the withdrawals and permit quantities of the metered non-PSAR WUPs.

There were 11 utility-served golf communities whose PSAR-reported withdrawals included golf course irrigation. To avoid double-counting with the landscape/recreation category of this report, those quantities are not included in the Table 1 column “PSAR metered withdrawals.” Details are footnoted on the table.

There were 4.4 mgd of metered withdrawals by 49 WUPs that were not required to submit a PSAR. These permits include personal sanitary use at farms and institutions, small golf communities, environmental augmentation, other uses, or small utilities with a special metering condition because the withdrawals are near environmentally sensitive areas. The non-PSAR metered WUPs are listed in Appendix A, Table A-1, Part 2.

There were 171 small, unmetered public supply permittees with estimated withdrawals totaling 3.8 mgd. Approximately 86 percent of these withdrawals were for residential uses, 7 percent for personal sanitary uses, and the remainder were for irrigation, fire protection, and other uses.

GROSS WATER USE QUANTITIES

The gross water use total of 533.7 mgd was 95 percent of the withdrawal total. The 20-year average percentage of public supply water

2019 ESTIMATED WATER USE REPORT

used/withdrawn is 95 percent, with the lowest being 88 percent in 2006 and the highest being 105 percent in 2008. The high percentage was due to stored water in the C.W. Bill Young Reservoir being drained for maintenance and beneficially used.

The ratio of water used/withdrawn varies immensely by county due to its transmission from regional water sources to utilities in neighboring counties. Pinellas County imported 77 percent of its public supply from either Pasco or Hillsborough County. Retail utilities in DeSoto County used just 1.7 mgd, but 25.8 mgd was exported from the Peace River Facility in Desoto County to utilities in other counties. Figure 3 has separate pie charts of the countywide water withdrawals and water use for public supply. Appendix A, Table A-3 provides a detailed accounting of water transfers among the utilities and regional water authorities.

GROUNDWATER & SURFACE WATER

In 2019, groundwater provided 61 percent of public supply water withdrawals in the District. Though not quantified for this report, it's assumed that approximately 90 percent of groundwater withdrawals were from the Upper Floridan aquifer. The surficial aquifer and the Hawthorne aquifer system (i.e. intermediate aquifer system) are utilized for public supply in southern counties.

The District's largest groundwater WUP is for Tampa Bay Water's Consolidated Wellfield (WUP #11771). The WUP's permitted quantity is for a combined 90 mgd among 11 regional wellfields located over three counties. The withdrawals are rotated for resting and recovery of groundwater resources in accordance with environmental management plans. In 2019, the annual average water withdrawn from the Consolidated Wellfield WUP was 82.8 mgd, with 44.0 mgd from wells in Pasco, 31.3 mgd from Hillsborough, and 7.5 mgd from Pinellas. The withdrawals are divided by county for this report but categorized as imports to Tampa Bay Water's regional system because the water may be blended with other sources before it reaches the member utilities.

Surface water accounted for 38 percent (213.4 mgd) of public supply water withdrawals in 2019. Most surface water withdrawals for public supply occur at large-scale water treatment facilities

located in Hillsborough County (140.2 mgd), DeSoto County (23.9 mgd), and Manatee County (32.4 mgd). The Villages community in Sumter County utilized approximately 8.6 mgd of surface water captured in lined stormwater ponds for outdoor public supply use. The Villages' stormwater use is included in Table 1 because it was factored into their PSAR calculations.

Tampa Bay Water withdraws surface water from the Alafia River and canals connecting to the Hillsborough River. The water is stored for seasonal and drought-year reliability in the C.W. Bill Young Reservoir and is exported to utilities in Hillsborough, Pasco, and Pinellas counties. The reservoir has a capacity of 15.5 billion gallons. The reservoir held 15.02 billion gallons at the beginning of January 2019 and held 15.08 billion gallons at the end of the year.

Tampa Bay Water's seawater desalination facility near Apollo Beach treats saltwater withdrawn from Tampa Bay and blends the water into its regional system. The facility provided potable water for 180 days during dry periods at rates ranging from 8 to 22 mgd, which equated to an annual average production of 6.5 mgd in 2019. While on stand-by, the facility may send a small unspecified quantity of partially treated water to the C.W. Bill Young Reservoir. Within this report, the treated seawater effluent is included in the PSAR data, but it's excluded from specific totals for surface water and groundwater sources. Seawater withdrawals are not regulated by the District.

The Peace River Manasota Regional Water Supply Authority (PRMRWSA) withdraws and stores water in DeSoto County and distributes supplies to the county utility departments of Charlotte, DeSoto, and Sarasota, as well as the City of North Port. Manatee County is also a member of the PRMRWSA but is not currently a water customer. The Peace River facility has two off-stream reservoirs with a combined capacity of 6.9 billion gallons and 21 ASR wells with a combined storage capacity of 6.3 billion gallons. The net storage at the Peace River Facility's reservoirs and ASR system increased by 802 million gallons over the year. Notwithstanding evaporation and seepage losses, the net change equates to approximately 2.2 mgd (annual average) of the difference

2019 ESTIMATED WATER USE REPORT

between the public supply withdrawal and gross use quantities.

There are five other utility-operated surface water treatment facilities in the District, each utilizing an in-stream reservoir for storage, so withdrawals are taken on demand. The City of Tampa has operated the Hillsborough River Reservoir since the 1920s. The City of North Port acquires approximately half of its supply from a surface water facility on the Myakkahatchee Creek. Manatee County and the City of Bradenton have in-stream reservoirs known as Lake Manatee and Evers Lake. The City of Punta Gorda in Charlotte County generates most of its supply from Shell Creek. The permitted quantities and withdrawals at these facilities are listed in Appendix A.

PER CAPITA WATER USE MEASURES

The “per capita” measurement is a widely used ratio of water use/population. Three types of per capita calculations are provided in Appendix A, Table A-1: the “unadjusted gross,” “adjusted gross,” and “compliance” per capitas. A “residential” per capita is provided in Table A-2. The District also prepares “uniform” gross and residential per capitas specifically for the DEP using a consistent statewide methodology. Each of the per capita measures are described below. More information can be found in the District’s WUP Applicant’s Handbook, Part B: <https://www.swfwmd.state.fl.us/media/3166>.

UNADJUSTED GROSS PER CAPITA: The unadjusted gross per capita (UGPC) is simply the utility’s gross water use divided by the functional population served. In 2019, the Districtwide UGPC was 97 gpcd. A ten-year history of each utility’s UGPC is provided in Appendix D.

Some utilities have a proportionately high UGPC calculation for various reasons. They may serve industrial/commercial customers unrelated to population, such as factories and shopping centers. A high UGPC is common in small master-metered communities where residents lack an economic incentive to conserve water. Suburban neighborhoods with large lot sizes tend to have higher-than-average UGPC from lawn irrigation. New developments may have initially high UGPCs as new landscaping is established and residences are not fully populated. Retirement communities

with a below-average number of persons per dwelling unit may also show a high UGPC rate.

A low UGPC rate is common in communities with high water prices. Utilities that calculate their population by dwelling unit might have low UGPC rates due to over-estimating the population by assuming year-round residency at seasonal or rental lodgings.

ADJUSTED GROSS PER CAPITA: The adjusted gross per capita (AGPC) allows for a more equitable comparison of utilities by incorporating deductions of specific water uses that are unrelated to population. The PSAR forms allow water quantities for “significant use,” “golf courses,” and “environmental mitigation” to be subtracted before dividing by the population. In 2019, the Districtwide average AGPC was 95 gpcd.

The significant use deductions are for utility-supplied water to industrial/commercial customers. To qualify as a significant use, the amount delivered must meet certain criteria, and the permittee must properly document the deduction claimed.

The golf course deduction is available to utilities that serve golf courses and mixed-use resorts. Most golf courses within the District have their own WUPs and specific irrigation wells, but a few golf courses in urban areas irrigate with fresh water supplied by public utilities.

The environmental mitigation deduction can be taken for augmentation quantities if a permittee was required to replenish any lakes or wetlands that were impacted by their withdrawals. No utilities used this deduction in 2019, but it’s an option for drier years. Districtwide annual rainfall was slightly above historic average.

COMPLIANCE PER CAPITA: The compliance per capita (CPC) includes the AGPC deductions plus two additional credits for stormwater use and reclaimed water exports. In 2019, the Districtwide average CPC was 91 gpcd. A ten-year history of each utility’s CPC is provided in Appendix D.

Stormwater deductions must be metered and reported under the WUP in order to be credited. The quantities must also be used within the utility’s service area, and the deduction can’t exceed the WUP allocation or actual withdrawals.

2019 ESTIMATED WATER USE REPORT

Stormwater deductions also exclude golf course uses to avoid double-counting with the golf course deduction.

The reclaimed water deduction is a special credit for reclaimed water exported to customers outside of the utility's service area. Reclaimed water used within the utility's own service area isn't applicable because it already offsets a share of their potable water use.

The CPC was developed for calculating compliance with a Districtwide conservation rule set in 2009. The rule required all public supply permittees to attain a CPC rate of 150 gpcd or lower by the end of 2019, based on a five-year average. In 2009, there were 27 utilities over the target CPC rate of 150 gpcd. In 2019, seven utilities had a five-year average CPC over 150 gpcd. The District works with high-use utilities to improve water savings.

RESIDENTIAL PER CAPITA: The residential per capita (RPC) rate is a useful statistic for analyzing home water use only. The RPC represents water used only at single-family, multi-family, and mobile home residences according to the utility's billing detail. The RPC is not used for regulatory purposes, so formal documentation is not necessary. The Districtwide average RPC rate was 66 gpcd in 2019. The utility RPC values are provided in Appendix A, Table A-2. The countywide RPC values are used as a multiplier to estimate the domestic self-supply use in each county, as discussed in the next chapter.

DEP UNIFORM GROSS & RESIDENTIAL PER CAPITA: In 2009, the DEP developed a uniform statewide convention for calculating public supply per capita water use. Florida's five water management districts provide the DEP with public supply water use data using this consistent methodology for statewide analyses. This method is not otherwise utilized by the District for regulatory or planning purposes.

The DEP uniform method provides both gross and residential per capita values. The residential population is calculated using the number of housing units and the average persons per household within the utility service area. The data is sent to the DEP annually and is provided in Appendix E, Table E-1. For 2019, the Districtwide DEP uniform gross per capita was 100 gpcd, and

the DEP uniform residential per capita was 69 gpcd.

PUBLIC SUPPLY WATER TRANSFERS

Regional water transfers play an important role in the District by allowing large-scale surface water treatment facilities and other alternative water supplies to serve several utilities within multiple counties, reducing stress on groundwater resources and wetland environments, and improving reliability for emergencies and drought conditions. Table A-3 in Appendix A provides the reported public supply imports and exports by regional water supply authorities and utilities. Approximately 233 mgd was transferred among utilities and water authorities within the District in 2019.

MONTHLY WATER WITHDRAWALS AND RAINFALL

A monthly analysis of public supply surface water and groundwater withdrawals in comparison to monthly rainfall is illustrated in Figure 5. Surface water withdrawals increase during the rainy season for storage in off-stream reservoirs and ASR systems to provide year-round reliability. Districtwide average rainfall in 2019 was 53.2 inches, which was slightly above the historic average of 52.8 inches. The month of September had an abnormally low rainfall of 1.7 inches, however the surrounding months in the June-October wet season had abundant rainfall. The monthly withdrawal source data for Figure 5 is provided in Appendix A, Table A-4. The monthly data is calculated from WMIS pumpage records and excludes seawater desalination and stormwater use. The standard deviation of monthly public supply withdrawals was 35.5 mgd.

PUBLIC SUPPLY IN WATER USE CAUTION AREAS

WUCA-specific withdrawal quantities for groundwater and surface water are provided in Appendix B.

In the SWUCA, 225.2 mgd of water was withdrawn for public supply, of which 141.0 mgd was withdrawn from groundwater (Table B-2). Polk County had the most public supply withdrawals in the SWUCA at 63.0 mgd.

In the MIA within the SWUCA (Table B-3), 56.7 mgd of water was withdrawn for public supply, of which 32.4 mgd was from surface water sources that help reduce stress on aquifer resources in the MIA.

2019 ESTIMATED WATER USE REPORT

In the NTB WUCA, 254.0 mgd was withdrawn for public supply, of which 133.5 mgd was from groundwater (Table B-4). Surface water withdrawals in the NTB WUCA were 120.6 mgd, entirely from Hillsborough County.

In the DPC WUCA (Table B-5), 19.2 mgd was withdrawn from groundwater for public supply. Tampa Bay Water's South-Central Wellfield (WUP #4352) has 6 of its 17 supply wells within the DPC WUCA boundary. The total above includes withdrawals just from the wells within the DPC WUCA.

PUBLIC SUPPLY PERMITTED QUANTITIES

The total permitted quantities allocated by the District for public supply were 820.4 mgd (annual average), of which 482.2 mgd were permitted for groundwater sources. The total permitted quantities by source, county, use type, and WUCA are provided in Appendix C. These permitted values were effective at the end of the 2019 calendar year.

Hillsborough County had the most permitted public supply quantities for both groundwater (138.2 mgd) and surface water (205.7 mgd).

Comparing groundwater withdrawn for public supply (344.8 mgd) to the permitted groundwater quantity (482.2 mgd) shows that 71.5 percent of the permitted groundwater sources were withdrawn in 2019.

It should be noted that in Appendix C, Tables C-1 and C-4, the permit allocation for Tampa Bay Water's Consolidated Wellfield WUP (90 mgd, annual average) is assigned solely to Hillsborough County, although a share of withdrawals occur in Pasco and Pinellas counties. This permit allows for rotational use and does not divide the allocated quantities by well or by county. As previously mentioned, the actual withdrawals under this WUP are allocated among the three counties where they occurred. Any comparisons of "permitted" quantities to "withdrawal" quantities for these three counties could be affected by this difference.

2019 ESTIMATED WATER USE REPORT

Table 1. Summary of Metered and Estimated Public Supply Water Withdrawals and Water Use (mgd), 2019

County	PSAR Metered Water Withdrawals (mgd)	PSAR Imported Water (mgd)	PSAR Exported Water (mgd)	PSAR Treatment Losses (mgd)	PSAR Gross Water Use ¹ (mgd)	Non-PSAR Metered Water Withdrawals & Use ² (mgd)	Non-PSAR Estimated Water Withdrawals & Use ³ (mgd)	Total Public Supply Withdrawals (mgd) ⁴	Ground-water	Surface Water	Total Public Supply Gross Water Use (mgd) ⁵
*Charlotte	7.546	10.984	0.832	1.016	16.682	0	0.032	7.578	2.467	5.111	16.714
Citrus	13.902	0.405	0.458	0.187	13.662	0.115	0.333	14.350	14.350	0	14.110
DeSoto	32.386	0.718	29.598	1.854	1.652	0	0.008	32.394	8.495	23.899	1.660
Hardee	1.118	0	0	0.033	1.085	0.199	0.059	1.376	1.376	0	1.343
Hernando	20.260	0	0	0.354	19.906	0	0.098	20.358	20.358	0	20.004
*Highlands	8.342	0	0	0.192	8.150	0.095	0.108	8.545	8.540	0.005	8.353
Hillsborough^{6,7,8}	215.443	67.214	126.171	8.858	147.628	2.826	0.559	218.828	72.086	140.242	151.013
*Lake	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.640	0	0.001	0.076	0.563	0.127	0	0.767	0.767	0	0.690
Manatee	47.897	4.988	8.363	2.198	42.324	0.013	0.005	47.915	15.492	32.423	42.342
*Marion	10.682	0	0	0.075	10.607	0.194	0.235	11.111	11.111	0	11.036
Pasco	57.238	35.226	46.791	0.262	45.411	0.225	1.091	58.554	58.554	0	46.727
Pinellas	25.968	87.185	18.918	5.268	88.967	0.041	0.062	26.071	26.071	0	89.070
*Polk^{7,8}	70.229	2.531	0.492	0.956	71.312	0.381	1.018	71.628	71.628	0	72.711
Sarasota⁷	21.458	19.953	0.951	6.048	34.412	0	0.090	21.548	18.400	3.148	34.502
Sumter^{7,9}	23.409	0.059	0.080	0.224	23.164	0.163	0.111	23.683	15.092	8.591	23.438
District Total	556.518	229.263	232.655	27.601	525.525	4.379	3.809	564.706	344.787	213.419	533.713

Data Sources: 2019 Public Supply Annual Reports & Estimated Water Use Tables derived from the WMIS database.

Calculations from raw data create minor rounding discrepancies in totals.

* Data is only for the portion of the county within the District.

1 Generally, the Gross Use = Withdrawal Quantity + Imports – Exports – Treatment losses. Discrepancies can occur from seasonal storage and regional transmission losses.

2 Quantities metered by public supply permittees that were not required to submit PSARs.

3 Estimated for non-metered Small General water use permits (less than 100,000 gpd on an annual average basis).

4 The total Public Supply withdrawals = PSAR metered withdrawals + non-PSAR metered withdrawals + estimated public supply withdrawals.

5 The total Public Supply use = PSAR gross use + non-PSAR metered withdrawals + estimated public supply withdrawals.

6 The total PSAR Withdrawal for Hillsborough County includes 6.500 mgd of Tampa Bay Water's seawater desalination effluent. The seawater quantity is not included in subtotals of specific surface water or groundwater withdrawals.

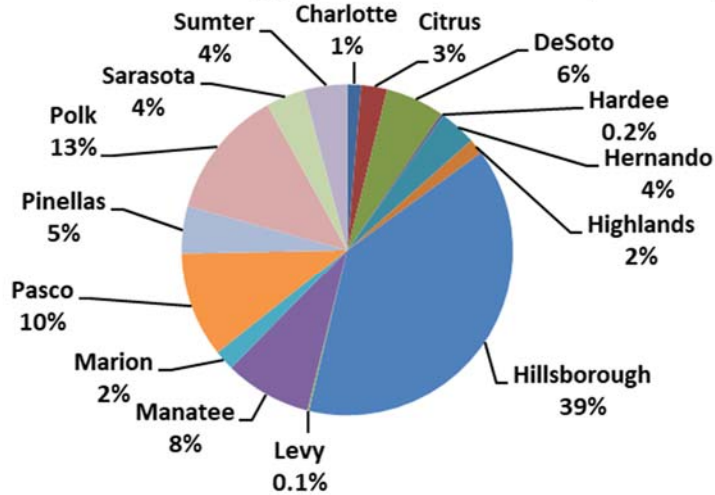
7 The countywide PSAR metered withdrawal contains deductions from totals shown in Appendix A, Table A-1, to avoid double-counting of landscape/recreation use at 11 golf resorts with mixed-use permit quantities. The deductions are -0.159 in Hillsborough, -0.845 mgd in Polk, -0.200 mgd in Sarasota, and -0.772 mgd in Sumter counties.

8 The countywide PSAR metered withdrawal was adjusted from totals shown in Appendix A, Table-A, to correct for "water year" (Oct-Sept) data reported by the City of Tampa WUP 2062 (-0.583 mgd) and by City of Lakeland WUP 4912 (+0.232 mgd).

9 The Total PSAR Withdrawal for Sumter County includes 8.591 mgd of stormwater captured and beneficially used by The Villages.

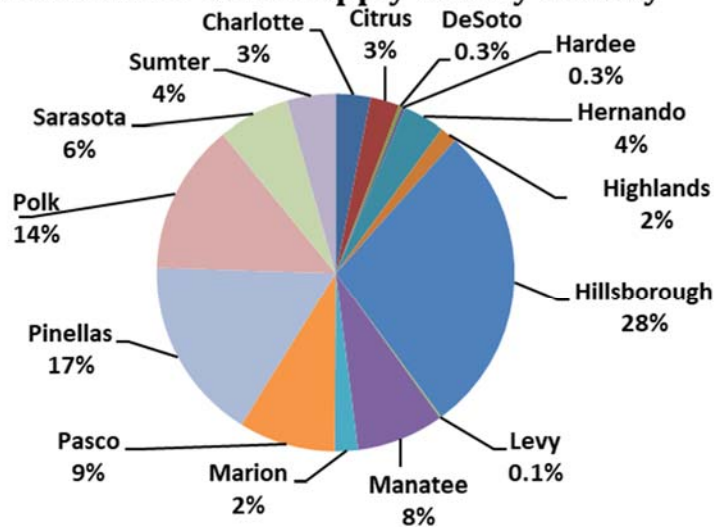
2019 ESTIMATED WATER USE REPORT

Percent of Public Supply Withdrawals By County



Total Withdrawals = 564.7 mgd (PSAR, non-PSAR metered, and estimated)
 Calculation includes only District portion of counties.

Percent of Public Supply Use By County



Total Use = 533.7 mgd (Table 1, Un-adjusted Gross Water Use)
 Calculation includes only District portion of counties.

Figure 4. Percentages of Public Supply Withdrawals and Water Used by County
 (Data Source: Table 1)

2019 ESTIMATED WATER USE REPORT

Public Supply Monthly Withdrawals and Rainfall

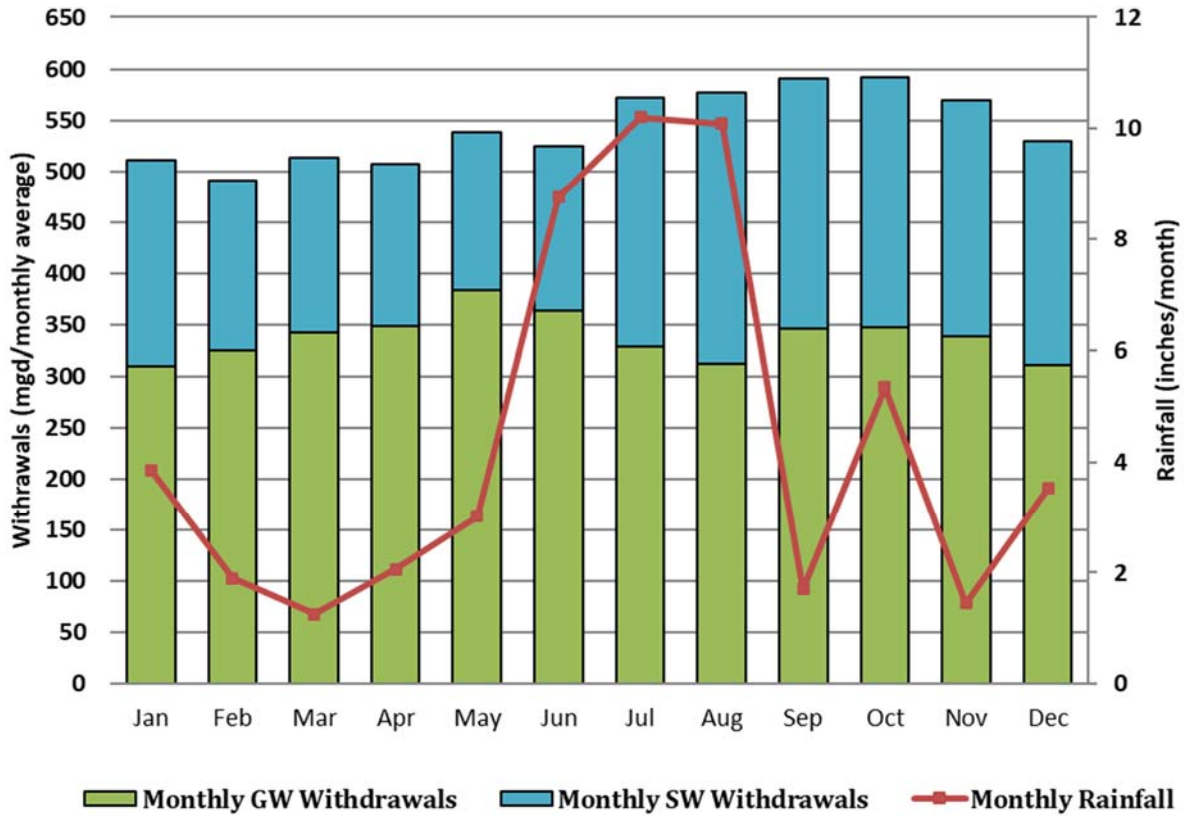


Figure 5. Public Supply Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2019 County

(Data Sources: Appendix A, Table A-4 and District rainfall data)

2019 ESTIMATED WATER USE REPORT

DOMESTIC SELF-SUPPLY WITHDRAWAL/USE = 34.8 MGD

An estimated 34.8 mgd of water was used for domestic self-supply within the District in 2019. This estimate matches the districtwide total in 2018, although variations occur per county.

GENERAL INFORMATION

The domestic self-supply category includes the potable water withdrawn from privately owned wells, typically at rural family residences for indoor and outdoor needs. The water users are located outside of the distribution systems of public supply utilities.

Domestic supply wells are typically four inches in diameter and are exempt from regulation by the water management districts. Studies of average domestic use have been limited, but some research suggests that rural water use can vary significantly upon the residence. Many rural homes do not irrigate their lawns, and their water use is primarily indoors, so their water use may be below average. However, some rural homes may use twice as much water or more for landscaping, gardening, equestrian uses, etc.

It is assumed that groundwater is the sole source of water for domestic self-supply because surface water treatment by private residences for potable uses is uncommon. Most self-supplied residences also use septic systems, so most of the water used is recharged on-site to the local unconfined aquifers.

METHODOLOGY

The domestic self-supply water use estimates are generated by multiplying the self-supplied population in each county by the average residential per capita water use by that county. One exception is Lake County, where the Districtwide per capita value is used instead of a countywide value because there are no representative public supply WUPs in the District portion of Lake county.

Since 2014, the self-supplied population has been determined through a GIS-based demographic analysis of U.S. Census parcel-level populations outside of all public supply utility service areas within the District. The domestic self-supplied population is recalculated each year. Additional information on the GIS methodology is provided in Appendix F.

The calculation of each county's residential per capita value is provided in Appendix A, Table A-2. Factoring in the annual residential per capitassumes that self-supplied water users had similar water use habits as the residents served by the public supply systems within the same county. This includes weather influences on outdoor water use habits during the year.

Table 2 shows the calculated self-supply population, each county's average residential per capita, and the estimated domestic self-supply use. Figure 5 is a pie graph showing the percentage of the estimated self-supply used in each county. Monthly water use is not calculated for domestic self-supply, but it can be assumed that monthly use trends would be similar to the public supply trends.

ADDITIONAL IRRIGATION USE

Some public supply utility customers also have small private wells used only for lawn irrigation. These wells are also small enough to be exempt from regulation by the water management districts. The "additional irrigation" use within public supply service areas is not factored into the domestic self-supply estimates or other categories of the EWU Report. If needed, planning level 5-year average estimates of additional lawn irrigation use are available in the District's Regional Water Supply Plan, Appendix 3-3, Table 23, Residential Irrigation Well Data.

<https://www.swfwmd.state.fl.us/resources/plans-reports/rwsp>

2019 ESTIMATED WATER USE REPORT

Table 2. Summary of Domestic Self-Supply Water Use by County, 2019

County	GIS-Based Calculated Self-Supply Population ¹	Average Residential Per Capita Use ² (gpd/person)	Estimated Domestic Self-Supply Water Use ³ (mgd)
*Charlotte	5,960	64	0.381
Citrus	46,613	84	3.916
DeSoto	18,549	57	1.057
Hardee	13,644	43	0.587
Hernando	36,711	86	3.157
*Highlands	12,713	66	0.839
Hillsborough	114,586	70	8.021
*Lake ⁴	1,464	66	0.097
*Levy	14,665	56	0.821
Manatee	9,074	62	0.563
*Marion	35,613	110	3.917
Pasco	79,950	69	5.517
Pinellas	5,743	50	0.287
*Polk	25,764	74	1.907
Sarasota	33,912	52	1.763
Sumter	13,759	146	2.009
District Total	468,719		34.839

Data sources: District GIS data and Appendix A.

* Data is only for the portion of the county within the District.

¹ The self-supply population is an annually calculated GIS query of census data point locations outside of active utility service areas. Population values include Permanent/Seasonal, Tourist, and Net Commuter populations.

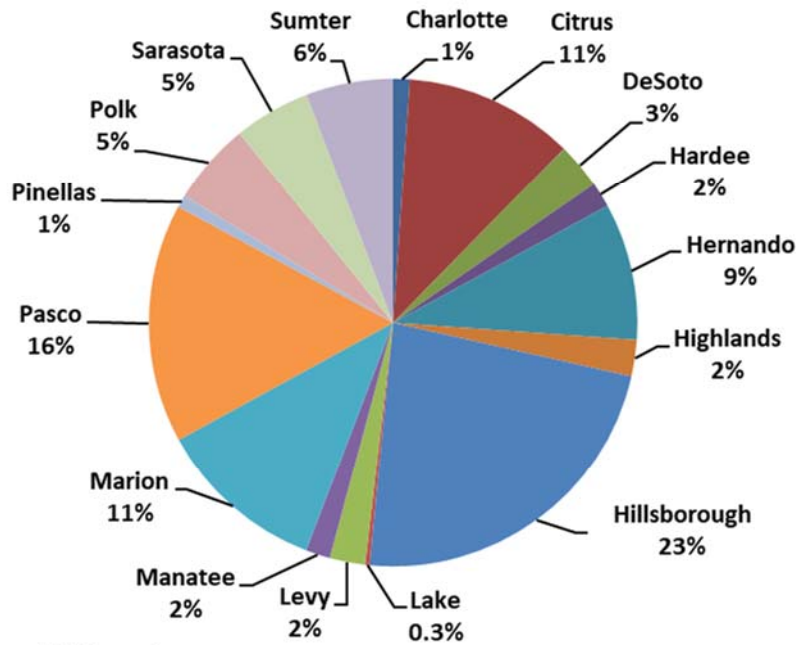
² "Residential Per Capita," is from Table A-2 in Appendix A and is based on PSAR-reported residential water use submitted by utilities.

³ Estimated Domestic Self-Supply Water Use = ("Self-Supply Population" x "Residential Per Capita") / 1,000,000

⁴ The Districtwide residential per capita value of 66 gpcd (Appendix A, Table A-2) was used as the multiplier for Lake County because there were no Public Supply permittees in the District portion of the county.

2019 ESTIMATED WATER USE REPORT

Percent of District Domestic Self Supply Use By County



Total Use = 34.8 mgd

Calculation includes only District portion of counties

Figure 6. Percentage of Estimated Domestic Self-Supply Water Use by County, 2019

(Data source: Table 2)

2019 ESTIMATED WATER USE REPORT

This page is intentionally blank.

2019 ESTIMATED WATER USE REPORT

LANDSCAPE/RECREATION

WITHDRAWAL/USE = 58.7 MGD

Landscape/recreation water withdrawals were 58.7 mgd within the District in 2019. This quantity is up from 57.2 mgd in 2018 and close to the ten-year average of 58.5 mgd.

GENERAL INFORMATION

The landscape/recreation use category is mostly for dedicated irrigation WUPs for golf courses, large landscapes, botanical gardens, cemeteries, parks, sports playing fields, and municipal common areas. Approximately 11 percent was for non-irrigation uses including public restrooms and facilities, aesthetic water fountains, and water-based recreation.

The quantified water uses in this report are only for withdrawals from natural resources and do not include reclaimed water or other alternative water supplies. Facilities that use reclaimed water for irrigation typically blend water sources in storage ponds. This report quantifies the groundwater used to augment storage pond water levels but does not include the blended quantities repumped from the pond to meet irrigation needs. Permittees that have access to alternative water supplies are required to utilize all of the alternative supplies first, so use from natural resources declines when alternative supplies are abundant. Reclaimed water is used on more than half the golf courses within the District. Additional information on reclaimed water within the District is available at: <https://www.swfwmd.state.fl.us/projects/reclaimed-water>.

Multi-Use WUPs: Over 40 percent of the landscape/irrigation WUPS also had permit allocations in another predominant use category. If the majority of the permitted use is for landscape irrigation, the WUP's primary use type is listed as landscape/recreation even if the permittee's business practice may fit another category. All multi-use WUPs have their withdrawals fractioned by predominant uses for the appropriate chapter in this report.

Irrigation Permitting: The District determines a WUP's allowable permit quantities in part using an irrigation rate calculation model known as

AGMOD. This model is used to derive an acre-inch application rate for irrigation of golf courses, lawn and landscapes, parks, cemeteries, and sports fields based on Florida-modified Blaney-Criddle calculations. AGMOD uses site-specific data for soil type, irrigation method, amount of solar radiation received, historic rainfall for the county, plant root depth, and other factors that affect how much supplemental irrigation will be required. The AGMOD program is available at: <https://www.swfwmd.state.fl.us/business/epermittin g/agmod-windows>.

Golf Courses: Golf course irrigation quantities are permitted based on the actual measured acreage of tees, greens, and fairways. A standard 50 inches per acre is permitted for tees and greens due to heavy foot traffic and very short cut height. The fairways receive supplemental irrigation quantities based on AGMOD calculations. No irrigation quantity is given for golf course roughs. Roughs are generally described as areas outside the main playing field, or at the third turfgrass cut height. Golf course permittees may irrigate the roughs with any water left over from the amount permitted for the playing areas. These rules apply to both water from natural resources and alternative water supplies unless excess disposal of reclaimed water is needed.

2019 DATA

Table 3 provides the landscape/recreation water withdrawal data by county and for specific use groups within the category. Most of the landscape/recreation withdrawals were for irrigation purposes, which are divided into three groups:

- Golf course play areas used 28.1 mgd, which was 48 percent of the total for this category.
- Lawn and landscape irrigation use was 19.2 mgd, or 33 percent, and may include the non-playing areas at golf resorts.
- An additional 5.1 mgd was used for other permitted irrigation uses including community common areas, sports fields, cemeteries, parks and playgrounds, and botanical gardens.

The augmentation group (4.3 mgd) is for water used to maintain surface water body levels for both aesthetic purposes and environmental

2019 ESTIMATED WATER USE REPORT

mitigation related to landscape/recreation withdrawals.

Animals & aquariums (1.6 mgd) includes water for maintaining aquatic habitats and water for animals at recreational facilities.

Water parks & recreation (0.3 mgd) includes water for swimming pools, flume rides, mud courses, and other water-based recreation.

Other non-irrigation uses are grouped as “commercial, restrooms, sanitary, other uses” (0.2 mgd) and include recreation-related uses such as public drinking fountains, air conditioners, cleaning and maintenance, decorative water features, firefighting, personal/sanitary use, office facilities, food preparation, etc.

Figure 7 shows the percentage of use for each county. Manatee County had the most use at 10.0 mgd.

GROUNDWATER & SURFACE WATER

In 2019, groundwater provided 92 percent (54.1 mgd) of the landscape/recreation water supply withdrawn in the District. Surface water use was 4.6 mgd. Charlotte, Pinellas, and Sarasota counties used the most surface water for landscape/recreation. The surface water quantity reflects only withdrawals from natural resources; water from irrigation ponds that also receive reclaimed water or groundwater augmentation are excluded.

MONTHLY WITHDRAWALS

Figure 8 graphs the monthly average surface and groundwater use in comparison to regional

rainfall. The graph demonstrates an inverse relationship between groundwater use and rainfall. Water use declined during a rainy July and August, followed by increased use in September when rainfall was abnormally low. The standard deviation of monthly withdrawals was 17.8 mgd.

APPENDICES

Appendix A, Table A-5 provides permit-specific water use data for each metered WUP in this category. The table shows the WUP number, permittee name, prominent water use code, withdrawal source (groundwater or surface water), annual average withdrawals, total WUP permitted quantities, and how much of the permitted quantity is specifically for landscape/recreation use.

Table A-6 in Appendix A gives the total monthly landscape/recreation water withdrawals per county. This is the data source for Figure 7.

Appendix B provides the specific groundwater and surface water use average quantities for each county and WUCA. In the SWUCA, the landscape/irrigation water use totaled 33.1 mgd.

Appendix C provides the permitted annual average quantities per use category, by water source, for the District and each WUCA. The District total permitted annual average quantities for landscape/recreation use at the end of 2019 was 121.6 mgd. Approximately 48 percent of the quantities permitted Districtwide for landscape/recreation supply were utilized.

2019 ESTIMATED WATER USE REPORT

Table 3. Summary of Metered + Estimated Annual Average Landscape/Recreation Water Withdrawals (mgd) by County and Water Source by Use Type, 2019

County	Irrigation: Golf Course Play Areas	Irrigation: Lawn & Landscape	Irrigation: Sports Fields, Cemeteries, Parks, etc.	Augmentation ¹	Animals & Aquariums	Commercial, Restrooms, Sanitary, Other Uses ²	Water Parks & Recreation ³	Total	Total Ground-water	Total Surface Water
*Charlotte	1.014	0.496	0.111	0	0	0.002	0.227	1.850	0.779	1.071
Citrus	2.711	0.199	0.059	0.003	0	0.001	0.016	2.989	2.851	0.138
Desoto	0.060	0.038	0	0	0.001	0.027	0	0.126	0.126	0
Hardee	0.111	0.027	0	0.004	0	0	0	0.142	0.142	0
Hernando	2.371	0.491	0.177	0	0	0.013	0	3.052	3.052	0
*Highlands	1.600	0.301	0.052	0	0	0	0	1.953	1.952	0.001
Hillsborough	2.450	2.215	2.242	0.272	1.468	0.027	0.024	8.698	8.555	0.143
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0.101	0.008	0.020	0	0	0.004	0	0.133	0.133	0
Manatee	2.215	7.504	0.228	0	0	0.004	0	9.951	9.563	0.388
*Marion	2.056	0.302	0.177	0	0.032	0.032	0.001	2.600	2.600	0
Pasco	1.715	0.443	0.191	0.833	0.001	0.038	0	3.221	3.004	0.217
Pinellas	2.172	0.696	0.391	0	0	0.001	0.005	3.265	2.210	1.055
*Polk	4.241	0.969	0.906	3.145	0.059	0.014	0	9.334	9.118	0.216
Sarasota	3.179	4.700	0.416	0	0.028	0.015	0.028	8.366	6.960	1.406
Sumter	2.097	0.856	0.088	0	0	0.004	0	3.045	3.045	0
District Total	28.093	19.245	5.058	4.257	1.589	0.182	0.301	58.725	54.090	4.635
% of Total	48%	33%	9%	7%	3%	0%	1%	100%	92%	8%
Groundwater Use	25.311	17.438	5.028	4.249	1.589	0.174	0.301		54.090	
Surface Water Use	2.782	1.807	0.030	0.008	0	0.008	0			4.635

* Data is only for the portion of the county within the District.

Data source: Estimated Water Use Tables derived from the WMIS database.

¹ Augmentation of surface water bodies for aesthetic or environmental purposes related to landscape/recreation uses.

² Commercial, Restrooms, Sanitary, Other Uses are non-irrigation uses including cooling, food preparation, fire systems, and staff uses at recreational facilities; decorative water features; and public restrooms and drinking fountains.

³ Water Parks & Recreation includes water parks, flume rides, pool filling and make-up, and water-based recreation such as mud courses.

2019 ESTIMATED WATER USE REPORT

Percent of Landscape/Recreation Use by County

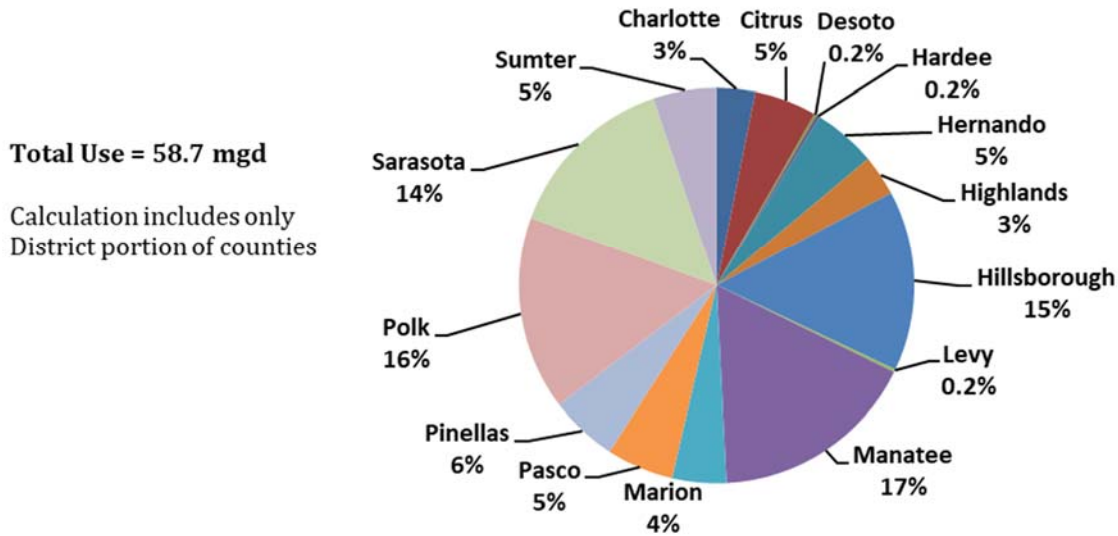


Figure 7. Percentage of Landscape/Recreation Water Use by County, 2019

(Data Source: Table 3)

Landscape/Recreation Monthly Withdrawals and Rainfall

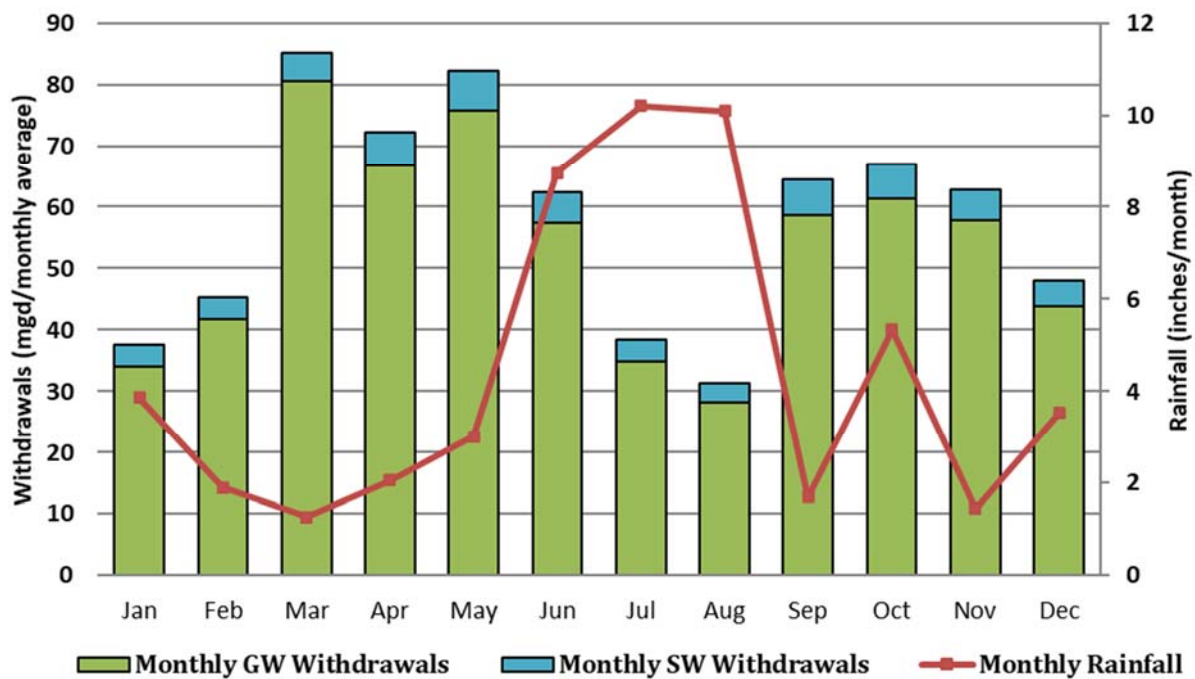


Figure 8. Landscape/Recreation Surface Water and Groundwater Withdrawals (mgd/month) and Regional Rainfall (inches/month), 2019

(Data Source: Appendix A, Table A-6 and District rainfall data)

2019 ESTIMATED WATER USE REPORT

AGRICULTURE **WITHDRAWAL/USE = 339.9 MGD**

In 2019, the total agriculture water withdrawals in the District was 339.9 mgd, which is a 4 percent decrease from the 355.0 mgd withdrawn in 2018. The agriculture use type category is for water withdrawals from natural resources related to agricultural activities including irrigation, bed preparation, crop establishment, fertigation, chemigation, product washing and packing, freeze protection, irrigation system maintenance, livestock water needs, and potable water for farm employees.

GENERAL INFORMATION

Metering of agricultural water use is required for withdrawal points within WUCAs on WUPs issued for 100,000 gpd or more on an annual average basis. Since 10 of the District's 16 counties are located in WUCAs, the majority of agricultural WUPs fit this criterion. Additionally, in the SWUCA, all irrigation permits for 100,000 gpd or more on a "drought" annual average basis (2-in-10 statistical rainfall year) have metering requirements. In the District's northern counties, which are outside of the WUCAs, metering requirements are based on an original standard of 500,000 gpd or more permitted annual average. Therefore, fewer agricultural WUPs in the northern counties are metered. The northern counties include District portions of Citrus, Hernando, Lake, Levy, Marion, and Sumter counties.

The establishment of the DPC WUCA in 2011 required metering for all agricultural withdrawals permitted with freeze protection quantities, as well as all crops that typically require freeze protection. Since farmers dealing with freeze events are primarily concerned with saving their crops and may be too busy to log meter readings, the District provides free installation of automatic meter reading (AMR) devices to accurately monitor freeze protection pumpage.

The combination of metered withdrawals for crops and the user-provided details on acreages and crops has given the District excellent data on water used for irrigation of many crop types

under varying climate conditions. The AGMOD irrigation rate calculator is used to derive the acre-inch application rate for 39 crop types based on Florida-modified Blaney-Criddle calculations. These calculations factor the crop type, growing season, geographic location, rainfall, soil type, irrigation method, solar radiation, and root depth. Additional information on agricultural permit quantity calculations can be found in Chapters 3 and 5 of the Water Use Permit Information Manual, Part B, Basis of Review, which is available at:

<https://www.swfwmd.state.fl.us/media/document/3166>

2019 DATA

The Districtwide agricultural water use quantity of 339.9 mgd in 2019 is 11 percent below a ten-year average of 380.4 mgd. Year-to-year fluctuations of agricultural water use are common and are often more pronounced than with other predominant use types. Annual withdrawals have historically ranged as low as 312 mgd in 2005 to as high as 708 mgd in 2000. Multiple reasons for this variability include effective rainfall, freeze protection events, and citrus disease.

Effective Rainfall: Districtwide average rainfall in 2019 was 53.2 inches, which was slightly above the historic average of 52.8 inches. The month of September had an abnormally low rainfall of 1.7 inches, however the surrounding months in the June-October wet season had abundant rainfall. Every month in 2019 experienced at least one inch of rainfall. Figure 10 illustrates the pronounced inverse relationship between rainfall and agricultural irrigation water use. During the wettest months of June, July, and August, the groundwater withdrawals were less than half of dry season months. The standard deviation of monthly withdrawals was 138.6 mgd.

Freeze Protection: Frost/freeze events typically last for a few hours or days, but the short-term water use for crop protection can significantly influence the annual average totals. Pumping for freeze protection of strawberries, citrus, blueberries, nurseries, and aquaculture can remove over 800 mgd from the aquifer during a single freeze event. Such events can cause intense but temporary drawdown in the aquifer

2019 ESTIMATED WATER USE REPORT

that can potentially impact neighboring water users. The DPC WUCA was created in 2011 to address the adverse impacts to other existing users of groundwater caused by high pumpage during an extreme multi-day freeze event in 2010. In 2019, there were no freeze events (below 35 degrees F.) recorded in the DPC WUCA.

Citrus Disease: Citrus groves across Florida have been impacted by the Huanglongbing virus, commonly referred to as citrus greening. Citrus irrigation was down to 185.9 mgd in 2019. The ten-year average for citrus irrigation water use is 218.6 mgd, with a ten-year high of 289.1 mgd in 2012 caused by growers who desperately overwatered in attempts to help impacted trees.

COUNTY AND CROP TYPES

Table 4 summarizes water use by county and by agricultural use groups based on similar crop types. The District's agricultural groupings are similar to those used by the Florida Department of Agricultural and Consumer Services. In spite of crop declines, Citrus remains the largest crop use in the District at 55 percent of the total agricultural withdrawals. Tomatoes were the second largest crop at 11 percent. Figure 9 is a pie chart showing the percentage of water used for agriculture by each county. The county with the most agricultural water use in 2019 was Polk County at 73.8 mgd.

GROUNDWATER & SURFACE WATER

Groundwater was the source of 96 percent of the agricultural withdrawals (325.9 mgd) in 2019. Surface water resource withdrawals were 14.0 mgd. This surface water quantity represents withdrawals from natural resources exclusively. It does not include pumpage from tailwater recovery systems, storage ponds that are augmented or used for blending reclaimed water, captured stormwater, or other AWS sources. This exclusion prevents double-counting of pumpage from augmentation wells.

Numerous farms within the District have implemented AWS and water reuse systems such as tailwater recovery ditches and ponds. Actual crop irrigation rates may exceed the withdrawals reported herein due to the AWS and recirculated water, particularly with citrus and row crops.

Appendices

Appendix A, Table A-7, provides permit-specific water use data for all metered agricultural WUPs. This table includes the quantities withdrawn from both groundwater and surface water, the total permitted annual average quantities, and the permitted quantities specifically for agricultural use. The crop type listed for each permittee represents the largest specific use, although the permittee may have multiple crop types.

Appendix A, Table A-8, provides the monthly withdrawal data by county. This is the data source for the monthly surface water and groundwater quantities in Figure 9.

Appendix B provides the specific groundwater and surface water use average quantities for each county, the WUCAs, and the FARMS priority watershed areas of Upper Myakka River and Shell, Prairie, and Joshua Creeks. Table B-2 shows that Agriculture accounted for 47 percent of all water withdrawals in the SWUCA, exceeding public supply.

Appendix C shows the permitted annual average quantities for the District and within each WUCA by groundwater and surface water. Table C-1 shows that 746.2 mgd was permitted for agriculture in the District, of which 709.5 mgd was for groundwater. The amount of groundwater permitted for agriculture Districtwide is 1.5 times the amount permitted for public supply. 46 percent of the permitted agricultural quantities were pumped in 2019.

DPC WUCA: Table B-5 in Appendix B gives the annual average withdrawal quantities for the DPC WUCA. Table C-5 in Appendix C gives the total permitted annual average quantities in the DPC WUCA. Table C-6 presents freeze protection quantities permitted to agricultural WUPs by crop type. Strawberries are the predominant crop in the DPC WUCA, and 83 percent of the permitted freeze protection quantities are for the protection of strawberries.

FARMS Priority Watersheds: Two tables in Appendix B are provided to assist with tracking the success of agricultural conservation programs. The Districts' FARMS program

2019 ESTIMATED WATER USE REPORT

(Facilitating Agricultural Resource Management Systems) has focus areas in the Upper Myakka and Shell Creek Watersheds (Figure 2). The water use in these priority watersheds is provided in tables B-6 and B-7, respectively.

Agricultural water use in the Upper Myakka watershed was 23.1 mgd, nearly all from groundwater. Agricultural water use in the Shell

Creek watershed was 15.8 mgd, of which 54 percent was from surface water.

The criteria for defining water users within the FARMS priority watersheds is slightly different than for the WUCAs. Any permittee having a controlled irrigation area within the watershed boundary is included, even if the irrigation well is located outside the boundary.

2019 ESTIMATED WATER USE REPORT

Table 4. 2019 Summary of Metered + Estimated Annual Average Agricultural Water Withdrawals (mgd) by County and Water Source by Use

County	Blue- berry	Citrus	Field Crop ¹	Melon	Nursery	Pasture	Sod	Straw- berry	Tomato	Vegetable	Aqua- culture	Live- stock, Dairy	Other ²	Total	Ground- water	Surface Water
*Charlotte	0	3.840	0.539	0.160	0.087	0.121	1.058	0	2.484	1.713	0	0.010	0.001	10.013	7.059	2.954
Citrus	0.258	0.147	0.620	0.133	0.101	0.098	0.021	0.194	0	0.059	0	0.003	0.026	1.660	1.614	0.046
Desoto	0.434	42.626	0.248	4.293	0.090	1.601	2.719	0.391	1.232	0.498	0.541	0.097	0.092	54.862	53.962	0.900
Hardee	3.164	27.116	0.632	0.858	1.306	1.437	0.315	0.290	0.494	0.575	0	0.407	0.168	36.762	36.680	0.082
Hernando	0.200	0.600	0.296	0	0.400	0.065	0	0	0	0.059	0	0.072	0.028	1.720	1.689	0.031
*Highlands	0.274	38.018	0.130	0.100	0.654	0.045	0.599	0	0	0	0	0.054	0.076	39.950	35.496	4.454
Hillsborough	1.595	1.801	0.490	3.240	3.443	0.367	1.045	14.444	4.584	6.423	2.348	0.052	0.363	40.195	37.954	2.241
*Lake	0.028	0.390	0.256	0.097	0	0.054	0	0	0	0	0.017	0.001	0	0.843	0.843	0
*Levy	0.093	0	4.857	1.096	1.651	0.240	0.497	0	0	0.049	0	0	0	8.483	8.483	0
Manatee	0.018	5.004	0.368	0.237	1.058	0.264	4.624	1.593	28.549	10.561	0.069	0.736	0.044	53.125	52.872	0.253
*Marion	0.017	0	1.749	0.669	0.564	0.070	0	0	0.002	0.536	0	0.032	0.240	3.879	3.879	0
Pasco	0.478	3.130	0.659	0.063	0.347	0.191	0.040	0	0	0.152	0	0.083	0.078	5.221	5.170	0.051
Pinellas	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.002	0.002	0
*Polk	4.520	62.799	0.683	0.107	0.938	0.819	1.564	0.525	0	0.153	0.912	0.073	0.686	73.779	70.888	2.891
Sarasota	0.008	0.350	0	0	0.176	0.053	0.542	0	1.319	0.128	0.003	0.048	0	2.627	2.512	0.115
Sumter	0.201	0.089	1.339	0.763	1.525	0.072	0.416	0	0.028	0.186	2.045	0.057	0.070	6.791	6.791	0
District Total	11.288	185.910	12.866	11.816	12.340	5.497	13.440	17.437	38.692	21.092	5.935	1.725	1.874	339.912	325.894	14.018
% of Total	3%	55%	4%	3%	4%	2%	4%	5%	11%	6%	2%	1%	1%	100%	96%	4%
Groundwater	10.448	178.039	12.866	11.598	11.764	5.435	12.845	16.295	36.742	20.363	5.900	1.725	1.874		325.894	
Surface Water	0.840	7.871	0	0.218	0.576	0.062	0.595	1.142	1.950	0.729	0.035	0	0			14.018

Data source: Estimated Water Use Tables derived from the WMIS database, Calendar Year.

* Data is only for the portion of the county within the District.

¹ Field crops include corn, grains, peanuts, other legumes, and commercial hay.

² Other includes: Lawn & landscape irrigation by agricultural businesses (0.361 mgd), non-citrus fruit trees and vineyards (1.005 mgd), research (0.338 mgd), and miscellaneous non-irrigation agriculture uses (0.170 mgd).

2019 ESTIMATED WATER USE REPORT

Percent of Agriculture Use by County

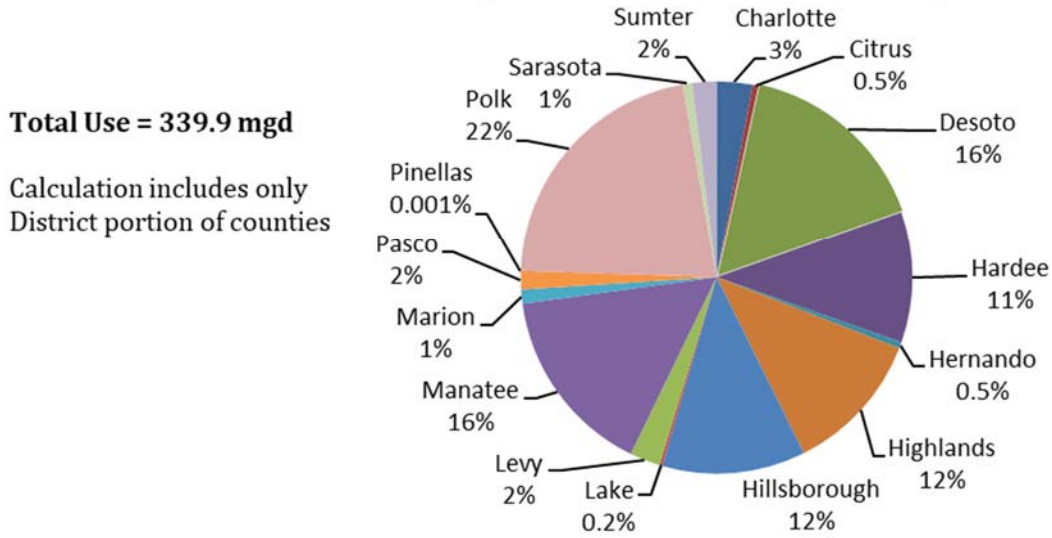


Figure 9. Percentage of Agriculture Water Use by County, 2019
(Data source: Table 4)

Agriculture Monthly Withdrawals and Rainfall

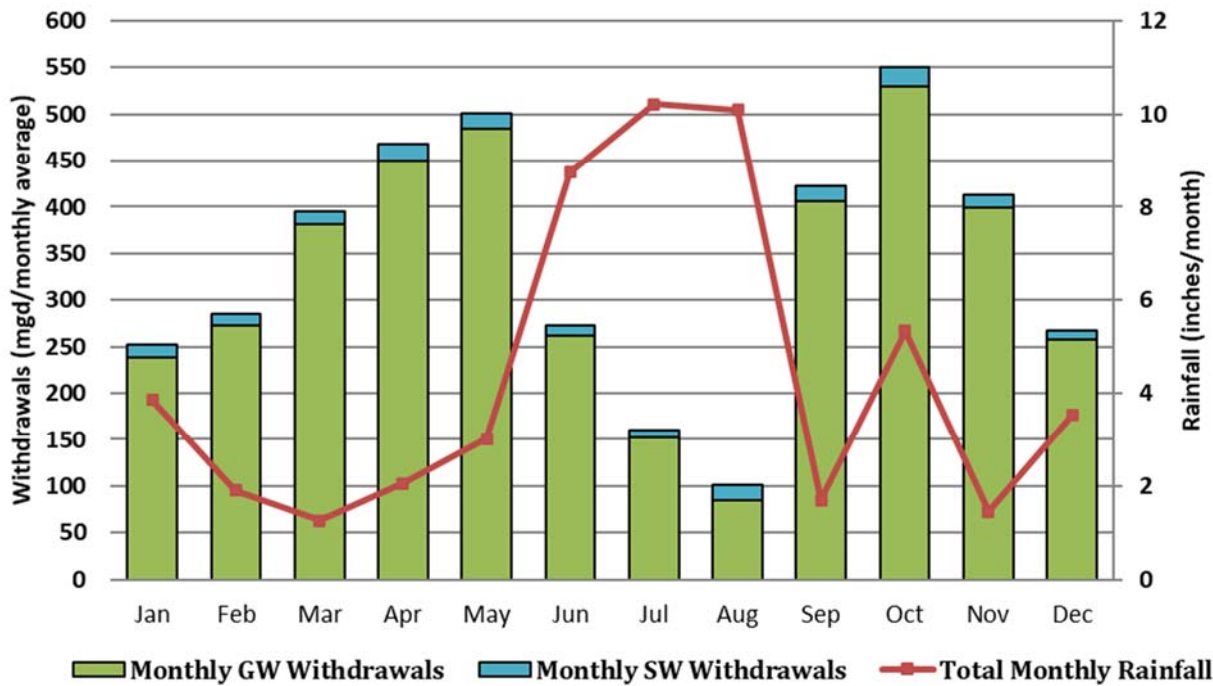


Figure 10. Agriculture Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2019
(Data Sources: Appendix A, Table A-8 and 2019 District rainfall data)

2019 ESTIMATED WATER USE REPORT

This page is intentionally blank.

2019 ESTIMATED WATER USE REPORT

MINING/DEWATERING WITHDRAWAL/USE = 18.9 MGD

In 2019, 18.9 mgd was withdrawn from water resources for mining and dewatering activities in the District. This amount is down from the 19.8 mgd withdrawn in 2018 and below the ten-year average of 23.2 mgd. 98 percent of the water was withdrawn from groundwater sources. Dewatering activities for construction (non-mining) were only 0.02 mgd of this use category in 2019.

GENERAL INFORMATION

The mining/dewatering water use category includes water for mining and processing of phosphate, peat, limestone, sand, shell, and gravel, as well as dewatering to create borrow pits for construction.

The mining water uses quantified in this report include water entrained in the mined product, water used to move slurry if it's discharged off-site, make-up of water losses in recirculation systems, water losses associated with washing and processing the product on-site, gypsum stack closure, augmentation withdrawals for environmental mitigation, irrigation of reclamation lands and facility landscapes, generation of electric power by mining operations (a process known as co-generation), maintenance of equipment and vehicles, fire suppression systems, and the sanitary water needs of employees.

When mined materials are processed on-site of the mining facility, those water uses are included in the mining/dewatering category. Water use for processing materials that were transported from off-site mines are categorized separately in the industrial/commercial category.

The District's method of permitting and quantifying mining/dewatering water use was modified in 2000. WUPs issued by the District prior to 2000 were based on dewatering quantities regardless of whether the water was recirculated on-site or discharged off-site. In some cases, pumped water would recirculate from nearby discharge areas laterally through shallow aquifers and be pumped repeatedly. Since 2000, renewed and new WUPs only count

water removed from local hydrologic systems as permitted quantities on the WUP. This methodology distinction should be considered if evaluating long-term mining/dewatering water use trends, which appear to have decreased significantly from pre-2000 data.

Mining practices have improved their water efficiency over time. To conserve water, most of the mining operations today let the mined materials sit on-site to dewater, and the water is recycled for other uses. The quantity of water entrained in the product is calculated by the mining operations and reported to the District.

Some withdrawal points for mining WUPs are identified as "sealing wells." A sealing well provides water to transport mined products through pipelines as slurry. Water is introduced at various locations along a pipeline to keep the slurry flowing. Sealing water wells may be drilled as needed and then plugged when the pipeline is relocated. Due to their temporary nature, sealing water wells can be relocated without revising the WUP. If the slurry water is discharged off-site, the quantity is included as a resource withdrawal. If the slurry water is recirculated, net water losses associated with the slurry process and evaporative losses from recycling ponds are calculated as resource withdrawals.

The Mosaic Fertilizer Integrated WUP (#11400) had 125 active resource withdrawal points in 2019 located among multiple wellfields and processing facilities in four counties: Hardee, Hillsborough, Manatee, and Polk. The specific withdrawals have been allocated to the counties where they occurred for this report. The total consumptive withdrawals for the Mosaic Integrated WUP were 31.3 mgd, of which 17.9 mgd was for mining/dewatering and the remainder was material processing categorized as industrial/commercial use.

2019 DATA

Table 5 summarizes county-level water use by mining product type (limestone, peat, phosphate, and sand/shell/gravel), as well as by sanitary/fire safety, general mining, and dewatering uses. Phosphate mining accounted for 95 percent of the water use in the category.

2019 ESTIMATED WATER USE REPORT

Figure 11 shows the percentage of mining/dewatering water use by each county. Polk County had the majority of use in 2019.

Figure 12 shows the monthly surface and groundwater mining/dewatering water use compared to rainfall. Mining water use trends are less influenced by rainfall than other predominant use categories that have a larger irrigation component.

Appendices

Appendix A, Table A-9 provides a reference of water withdrawals and permitted quantities for metered mining/dewatering permittees, grouped by county. Table A-10 provides the average monthly withdrawals by county and water source. The adjustment for the multi-county Mosaic Fertilizer permit was applied to the monthly withdrawals within Hardee, Hillsborough, Manatee, and Polk counties.

Appendix B provides groundwater and surface water use quantities in 2019 by groundwater

and surface water, by county, and by the WUCAs.

The tables in Appendix C provide the permitted quantities for mining/dewatering in 2019 by county, by groundwater and surface water, and within each WUCA. Comparing the total use for mining/dewatering to the total permitted (55.4 mgd) indicates that 34 percent of the permitted quantities were utilized.

The Mosaic Integrated WUP's permitted quantity is 69.6 mgd (annual average), of which 44.6 mgd is allocated for mining/dewatering and 25.0 mgd is for industrial/commercial use. It should be noted that the WUP's permitted quantities are assigned to only Polk County in Appendix C. This is because the total permitted quantities are allowed to rotate and are not formally allocated among specific withdrawal points in each county. Any comparisons of "permit" quantities to "withdrawal" quantities for Hardee, Hillsborough, Manatee, and Polk counties should compensate for this difference.

2019 ESTIMATED WATER USE REPORT

Table 5. Mining/Dewatering Water Withdrawals (mgd) by County & Use Type, 2019

County	Non-Mine Dewatering	General Mining Uses	Sanitary Use, Fire Safety	Limestone Mining	Peat Mining	Phosphate Mining	Sand/Shell/Gravel Mining	Total	Ground-water	Surface Water
*Charlotte	0.014	0.091	0	0	0	0	0.033	0.138	0.001	0.137
Citrus	0	0.037	0.006	0	0	0	0	0.043	0.004	0.039
Desoto	0	0.006	0	0	0	0	0	0.006	0.001	0.005
Hardee	0	0	0	0	0	1.263	0	1.263	1.263	0
Hernando	0	0.012	0	0.004	0	0	0	0.016	0.012	0.004
*Highlands	0	0.004	0.005	0	0	0	0	0.009	0.001	0.008
Hillsborough	0	0.035	0	0	0	2.715	0.010	2.760	2.745	0.015
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0	0	0
Manatee	0	0.026	0	0	0	3.901	0	3.927	3.927	0
*Marion	0	0.018	0	0.001	0	0	0	0.019	0.019	0
Pasco	0	0.052	0.003	0	0	0	0	0.055	0.006	0.049
Pinellas	0	0	0	0	0	0	0	0	0	0
*Polk	0.007	0.109	0	0	0	10.068	0.273	10.457	10.408	0.049
Sarasota	0	0	0	0	0	0	0.003	0.003	0	0.003
Sumter	0	0.139	0	0.027	0	0	0	0.166	0.035	0.131
District Total	0.021	0.529	0.014	0.032	0	17.947	0.319	18.862	18.422	0.440
% Of Total	0.1%	3%	0.1%	0.2%	0%	95%	2%	100%	98%	2%
Groundwater Use	0.007	0.181	0.003	0.008	0	17.947	0.276		18.422	
Surface Water Use	0.014	0.348	0.011	0.024	0	0	0.043			0.440

Data source: Estimated Water Use Tables derived from the WMIS database.

* Data is only for the portion of the county within the District.

2019 ESTIMATED WATER USE REPORT

Percent of Total Mining/Dewatering Use by County

Total Use = 18.9 mgd

"Other" includes Citrus, DeSoto, Hernando, Highlands, Marion, Pasco, and Sarasota Counties.

There was no measured use in Lake, Levy, or Pinellas counties.

Calculation includes only District portion of counties

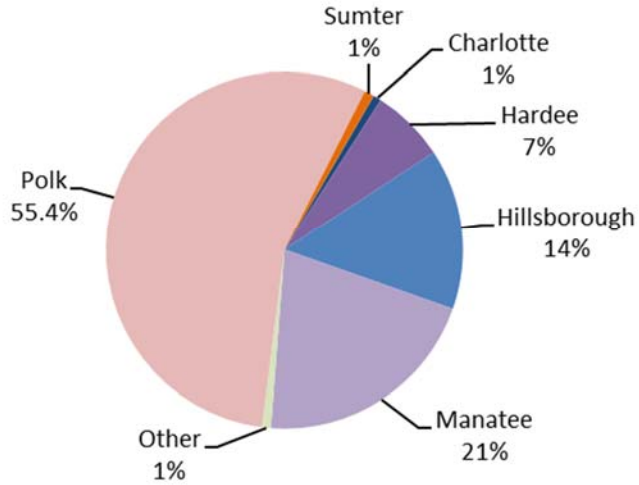


Figure 11. Percentage of Mining/Dewatering Water Use by County

(Data source: Table 5)

Mining/Dewatering Monthly Withdrawals and Rainfall

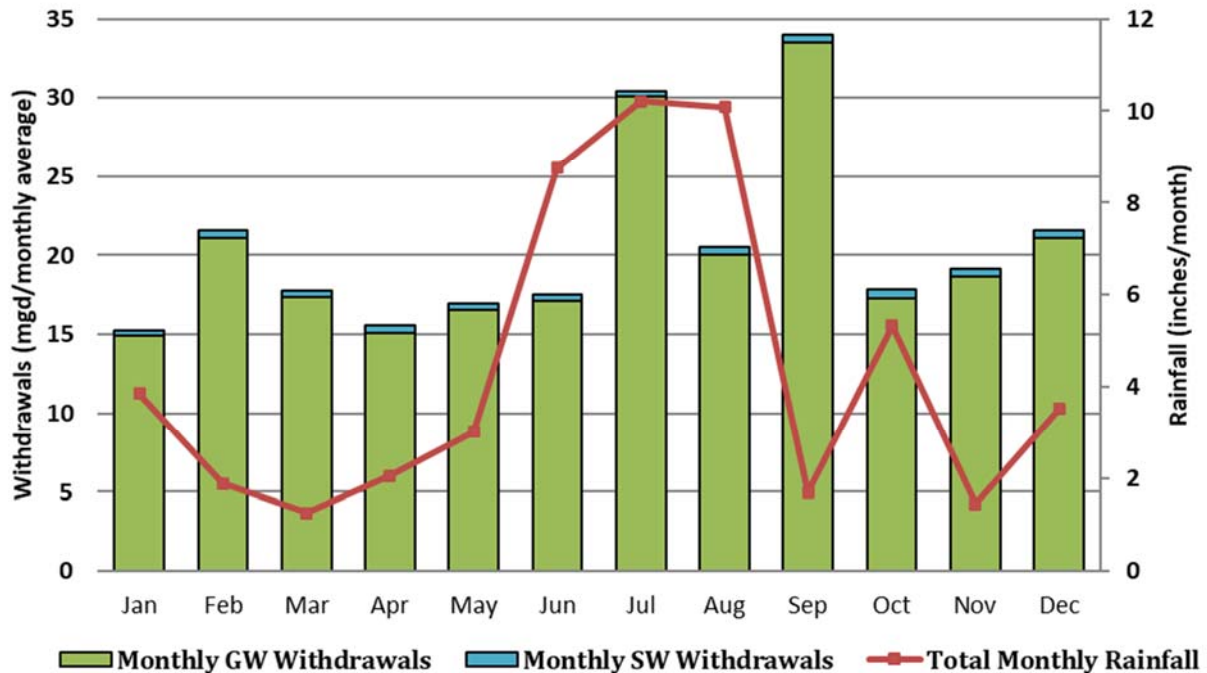


Figure 12. Mining/Dewatering Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2019

(Data sources: Appendix A, Table A-10 District rainfall data)

2019 ESTIMATED WATER USE REPORT

INDUSTRIAL/COMMERCIAL WITHDRAWAL/USE = 55.2 MGD

Approximately 55.2 mgd were withdrawn for industrial/commercial water uses in the District in 2019. This was a decrease from 64.5 mgd withdrawn in 2018 and below a ten-year average of 57.5 mgd. Groundwater was the source of 85 percent of the industrial/commercial withdrawals.

GENERAL INFORMATION

The industrial/commercial water use category includes water permitted for product manufacturing, food processing, commercial and specialty businesses, power generation, and water used by the beverage industry including bottled water. This category includes some WUPs for institutions with housing (prisons, nursing homes, etc.) that were permitted prior to May 2014; however, those uses may be reassigned to the institutional use category as the WUPs are renewed over time.

Industries and commercial businesses that purchase water from public supply utilities are not included in this category. Large public supply utilities report the water quantities sold to industrial/commercial customers in their PSARs. Detailed information on this public supply component is available in Appendix A, Table A-2. In 2019, public supply utilities sold 101.9 mgd to industrial/commercial customers.

2019 DATA

Table 6 shows the county-level water use by industry group type and by groundwater and surface water. The table's groups were updated with the 2018 report to represent more industries. Each use group is discussed below:

Landscape Irrigation: Approximately 0.2 mgd of the total was used for landscape irrigation by self-supplied industrial/commercial businesses. These are typically small allocations calculated as a portion of a well use, as larger allocations would have designated irrigation wells and be tallied in the landscape/recreation category.

Power Generation: The water used by 18 permitted power facilities from natural resources totaled 15.5 mgd. Power Generation uses may include water used for steam cooling, once-through cooling flows, emission control, boiler feed and makeup water, personal sanitary

needs for visitors and employees, and other small uses related to power plants. Some recently permitted power generation WUPs are for solar facilities that have relatively small allocations for maintenance and sanitary uses. Seawater used for power generation cooling is not included, as it is not regulated by the District.

Food Processing and Packing: Food processing and packing uses totaled 4.0 mgd. Most of this use was for citrus processing facilities in DeSoto and Polk counties.

Beverage Processing: Beverage processing includes water for content or dilution in beverage products. The quantity used was 1.2 mgd, including 0.6 mgd by bottled water permittees.

Phosphate Processing: When phosphate minerals are transported from the mine site where it was extracted to a separate processing facility, it's classified as an industrial/commercial water use. Off-site phosphate processing totaled 20.9 mgd in 2019, with most of the use in Polk County.

Cement & Lime Processing: This group includes water used for cement manufacturing, concrete batch plants, products made from cement or concrete, and lime processing for food, fertilizer, or water treatment. Water use for this category was 0.7 mgd.

Manufacturing & Chemical Processing: This group includes water used for numerous industries including asphalt manufacturing, biofuel generation, chemical manufacturing, and other general product manufacturing. The quantities may include both product content and manufacturing use such as cooling and cleaning. Water use for this category was 6.5 mgd.

General/Specialty: The general/specialty group includes various commercial businesses not specific to other groups such as car washes, laundries, water well contracting, and temporary water supplies for construction projects. The group also includes generalized commercial uses including water for air conditioners and boilers, personal sanitary use, cleaning, maintenance, emission control, refrigeration, product dilution, and equipment cooling. It also includes environmental augmentation related to industrial/commercial uses. Most of these uses are relatively small, but cumulatively they totaled 6.2 mgd in 2019.

2019 ESTIMATED WATER USE REPORT

Figure 13 shows the percentage of industrial/commercial use for each county. Over half of the industrial/commercial water use in the District occurred in Polk County. There are several large industrial/commercial permittees in Polk County including a phosphate processing plant, a regional power plant, chemical factories, and multiple food packing and distribution facilities.

Figure 14 shows monthly water use for the industrial/commercial category by surface water and groundwater sources and comparative rainfall. Since irrigation accounts for a small fraction of this category, rainfall has a minimal influence on the groundwater use. Surface water use notably increased when it became available in the rainy June-August period, primarily from withdrawals for cooling water at a power plant in Manatee County. The standard deviation of the monthly water use was 10.1 mgd.

Appendices

Appendix A, Table A-11 provides WUP-specific information from the metered permittees. It gives the water source, the total permitted

quantity for each WUP, and how much of the permitted quantity is allocated for the industrial/commercial category. Table A-12 provides the average monthly withdrawals by county and water source and is the data source for Figure 14.

Appendix B provides groundwater and surface water use quantities in 2019 by groundwater and surface water, by county, and by the WUCAs.

Appendix C provides the quantities permitted in 2019 by county, by groundwater and surface water, and by the WUCAs. The Districtwide total permitted allocation for industrial/commercial uses was 141.5 mgd, and just 39 percent of the allocation was used in 2019.

The permit allocation for the Mosaic Integrated WUP #11400 is 69.6 mgd, of which 25.0 mgd is allocated for industrial/commercial uses. In the Appendix C tables, this permit allocation is assigned solely to Polk County, the home county of the permittee. In 2019, the WUP's industrial/commercial withdrawals were mostly in Polk County.

2019 ESTIMATED WATER USE REPORT

Table 6. Industrial/Commercial Withdrawals (mgd) by County & Use Type, 2019

County	I/C Landscape Irrigation	Power Generation	Food Processing & Packing	Beverage Processing	Phosphate Processing	Cement & Lime Processing	Manufacturing & Chemical Processing	General/Specialty ¹	Total	Total Ground-water	Total Surface Water
*Charlotte	0	0	0.001	0	0	0.021	0	0.001	0.023	0.022	0.001
Citrus	0	1.585	0	0.043	0	0	0.008	0.136	1.772	1.772	0
Desoto	0	0.080	0.265	0	0	0	0	0.393	0.738	0.738	0
Hardee	0	0.019	0.037	0	0.012	0	0.017	1.745	1.830	1.830	0
Hernando	0	4.245	0	0.005	0	0.288	0.014	0.003	4.555	4.555	0
*Highlands	0.002	0	0.018	0	0	0	0.021	0.056	0.097	0.097	0
Hillsborough	0.006	0	0.348	0.002	2.149	0.068	4.772	2.039	9.384	6.633	2.751
*Lake	0	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0.010	0.01	0.010	0
Manatee	0.001	4.482	0.009	0	0	0.053	0.010	0.289	4.844	0.362	4.482
*Marion	0	0	0.004	0	0	0	0	0.006	0.010	0.010	0
Pasco	0.014	0.178	0	0.586	0	0.001	0	0.295	1.074	0.488	0.586
Pinellas	0.003	0	0	0	0	0	0	0.143	0.146	0.146	0
*Polk	0.090	4.937	3.129	0.531	18.744	0.112	1.629	0.644	29.816	29.652	0.164
Sarasota	0.037	0	0	0	0	0.057	0.003	0.017	0.114	0.110	0.004
Sumter	0.001	0	0.140	0.027	0	0.135	0.053	0.394	0.750	0.728	0.022
District Total	0.154	15.526	3.951	1.194	20.905	0.735	6.527	6.171	55.163	47.153	8.010
% of Total	0.3%	28%	7%	2%	38%	1%	12%	11%	100%	85%	15%
Groundwater Use	0.150	11.045	3.932	0.608	20.904	0.719	3.793	6.002		47.153	
Surface Water Use	0.004	4.481	0.019	0.586	0.001	0.016	2.734	0.169			8.010

Data source: Estimated Water Use Tables derived from the WMIS database.

* Data is only for the portion of the county within the District.

¹ General/Specialty includes specialty commercial uses not specific to other groups such as car washes, laundries, water well contracting, and temporary supply for construction purposes. The group also includes general industry uses including water for air conditioners and chillers, personal sanitary use, boiler feed and makeup water (non-power plant), cleaning and maintenance, emission control, refrigeration, product dilution, equipment cooling, augmentation related to industrial/commercial, and other uses.

2019 ESTIMATED WATER USE REPORT

Percent of Industrial/Commercial Use by County

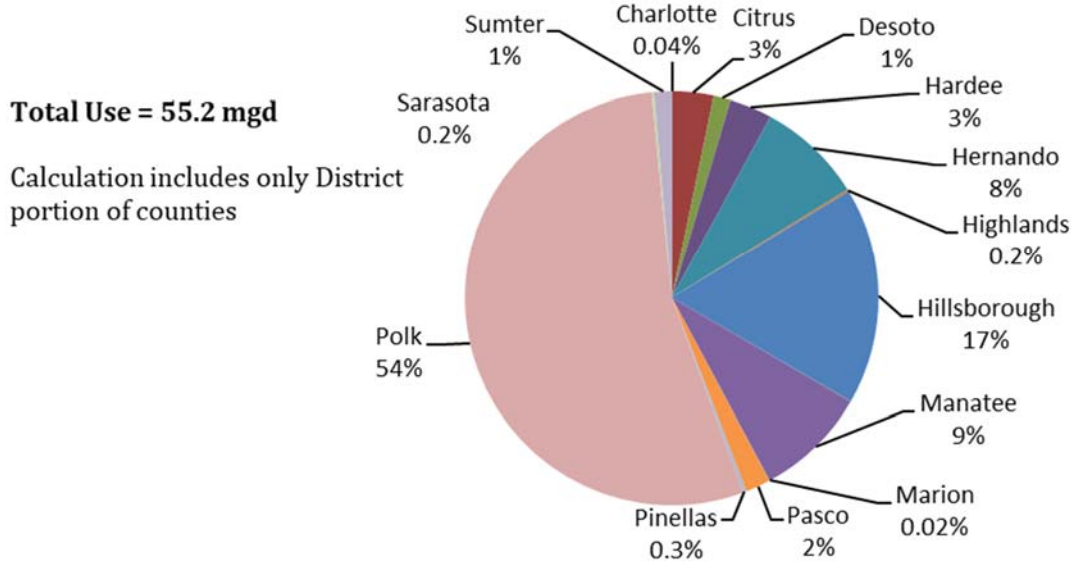


Figure 13. Percentage of Industrial/Commercial Water Use by County, 2019
(Data source: Table 6)

Industrial/Commercial Monthly Withdrawals and Rainfall

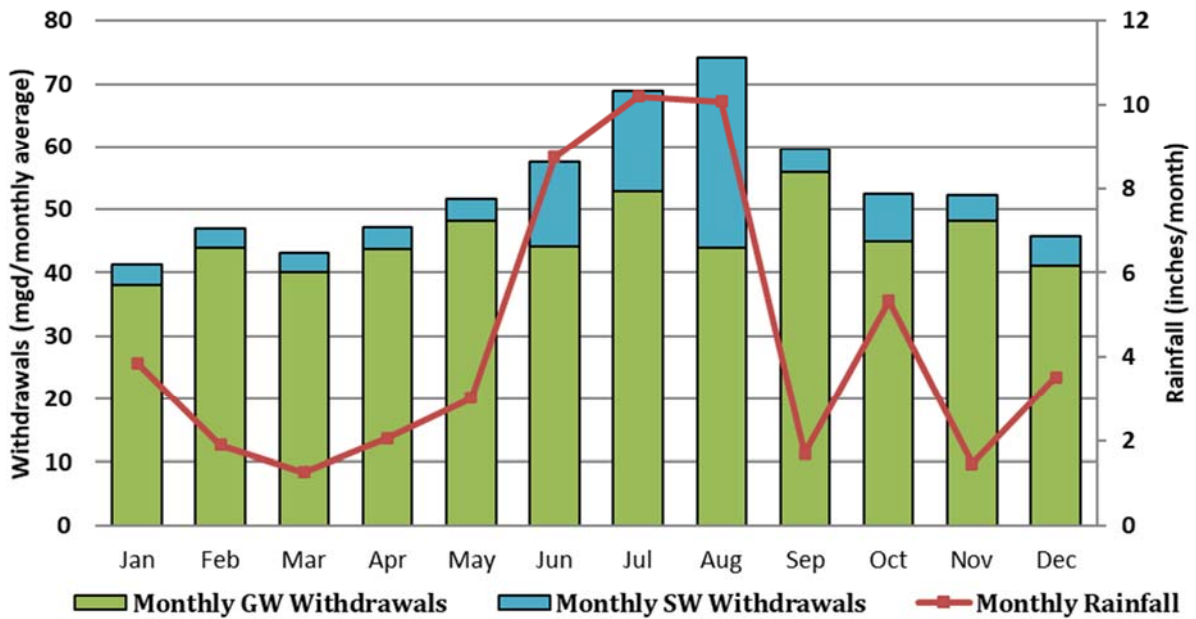


Figure 14. Industrial/Commercial Monthly Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2019

(Data sources: Appendix A, Table A-12 and District rainfall data)

2019 ESTIMATED WATER USE REPORT

INSTITUTIONAL AND “OTHER” WITHDRAWAL/USE = 0.6 MGD

Approximately 0.6 mgd were withdrawn for institutional and “other” water uses in the District in 2019. This was a decrease from 0.7 mgd withdrawn in 2018.

In 2014, the institutional use and “other” use categories were formally adopted into Chapter 40D-2.501 Florida Administrative Code, which specifies the predominant water use categories for District permitting. The categories were added as part of a statewide consumptive use permitting consistency (aka CUPcon) effort among the five water management districts. Other districts group institutional use with industrial/commercial uses, and this EWU Report may follow in the future as permitting rules are updated.

By the end of 2019, there were 25 WUPs that utilized the institutional water use category and 10 WUPs using the “other” use category. The numbers will continue to grow as WUPs with uses that fit these categories are renewed and issued.

INSTITUTIONAL USE

The institutional use category includes WUPs permitted to self-supplied hospitals, penitentiaries, universities, or other institutional facilities. Many institutions were traditionally permitted in other categories such as industrial/commercial or public supply. Some of the permittees are municipalities, but unlike the public supply category, the permitted use does not have an associated population (e.g., fire hydrants, dust control, street washing, maintenance).

The institutional uses include personal sanitary use, air conditioning supply, and landscape irrigation at schools, colleges, hospitals, and penitentiaries. They may also include fire-fighting supply, sports playing fields, fire systems, etc. The institutional use total was 0.4 mgd.

“OTHER” USE

The “other” use category may include WUPs for environmental augmentation, water for aquatic habitats, and other specific uses yet to be

defined. Traditionally, environmental augmentation was categorized under the predominant use of the permittee that was causing the environmental impacts.

Eight of the 10 “other” WUPs active in 2019 were for environmental augmentation. The withdrawals are available to maintain minimum lake levels near regional wellfields in Pasco and Hillsborough counties, and minimum flows on the Hillsborough River. The augmentation withdrawals are operated in support of environmental management plans to maintain surface water levels when they fall below specific trigger levels. Typically, augmentation is needed during drought conditions. Districtwide average rainfall in 2019 was 53.2 inches, which was slightly above the historic average of 52.8 inches. At least an inch fell through the dry months, so demands for environmental augmentation were very low. Only 2 percent of the permitted augmentation quantities were used 2019.

One of the additional permittees in the “other” category is a turtle breeding/research center in Polk County that uses water for aquatic habitats. The other is a small withdrawal on a conservation easement in Polk County that’s managed as a sand skink habitat.

2019 DATA

Table 7 provides the combined water use under the institutional or “other” categories. Figure 16 displays the monthly surface water and groundwater use in comparison to monthly rainfall.

Appendix A, Table A-13 provides the specific uses and quantities for WUPs in this category. Both metered and estimated WUPs are included since the list of WUPs is relatively small. Table A-14 provides the monthly use quantities by county. Appendix B provides groundwater and surface water use quantities in 2019 by county and by WUCA. Appendix C provides the quantities permitted in 2019 by county, by groundwater and surface water, and by WUCA. The Districtwide total permitted allocation for institutional and “other” uses was 13.3 mgd.

2019 ESTIMATED WATER USE REPORT

Table 7. Institutional and “Other” Withdrawals (mgd) by County & Use Type, 2019

County	Institutional, Air Conditioning	Institutional, Fire Systems	Institutional, Landscape	Institutional, Personal/ Sanitary	Institutional, Sports Fields	"Other" Augmen- tation	"Other" Aquatic Habitat	Total	Ground- water	Surface Water
*Charlotte	0	0	0	0	0.009	0	0	0.009	0.009	0
Citrus	0	0.001	0.004	0	0	0	0	0.005	0.005	0
Desoto	0	0	0	0	0	0	0	0	0	0
Hardee	0	0	0.001	0	0	0	0	0.001	0.001	0
Hernando	0	0	0	0	0	0	0	0	0	0
*Highlands	0	0	0.009	0	0.003	0	0	0.012	0.012	0
Hillsborough	0	0	0.001	0.011	0	0.005	0	0.017	0.012	0.005
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0	0	0
Manatee	0	0	0	0	0	0	0	0	0	0
*Marion	0	0	0	0	0	0	0	0	0	0
Pasco	0	0	0	0.206	0.004	0.184	0	0.394	0.333	0.061
Pinellas	0.001	0	0	0	0	0	0	0.001	0.001	0
*Polk	0	0.001	0	0.149	0	0	0.005	0.155	0.155	0
Sarasota	0	0	0	0	0.016	0	0	0.016	0.016	0
Sumter	0	0	0	0	0	0	0	0	0	0
District Total	0.001	0.002	0.015	0.366	0.032	0.189	0.005	0.610	0.544	0.066
% of Total	0%	0%	2%	60%	5%	31%	1%	100%	89%	11%
Groundwater	0.001	0.002	0.015	0.366	0.032	0.123	0.005	0.544	0.544	
Surface Water	0	0	0	0	0	0.066	0	0.066		0.066

Data source: Estimated Water Use Tables derived from the WMIS database.

* Data is only for the portion of the county within the District.

2019 ESTIMATED WATER USE REPORT

Percent of Institutional/Other Use by County

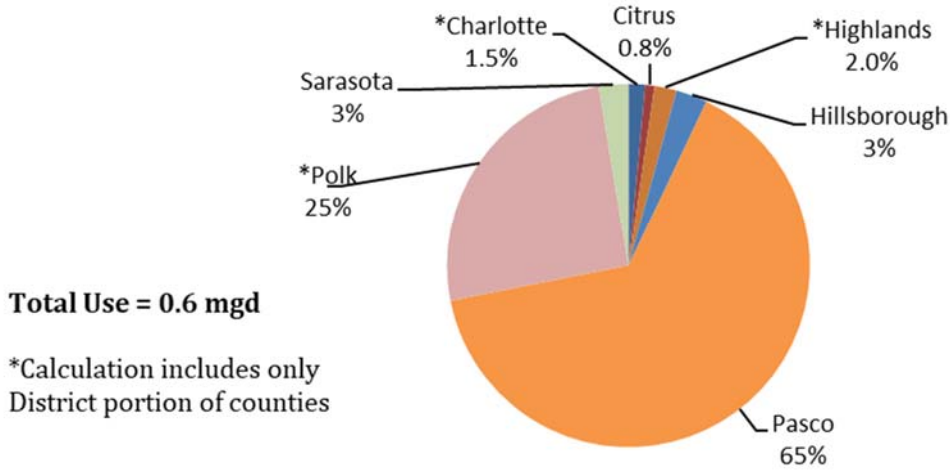


Figure 15. Percentage of Institutional and "Other" Water Use by County, 2019
(Data source: Table 6)

Institutional & "Other" Monthly Withdrawals and Rainfall

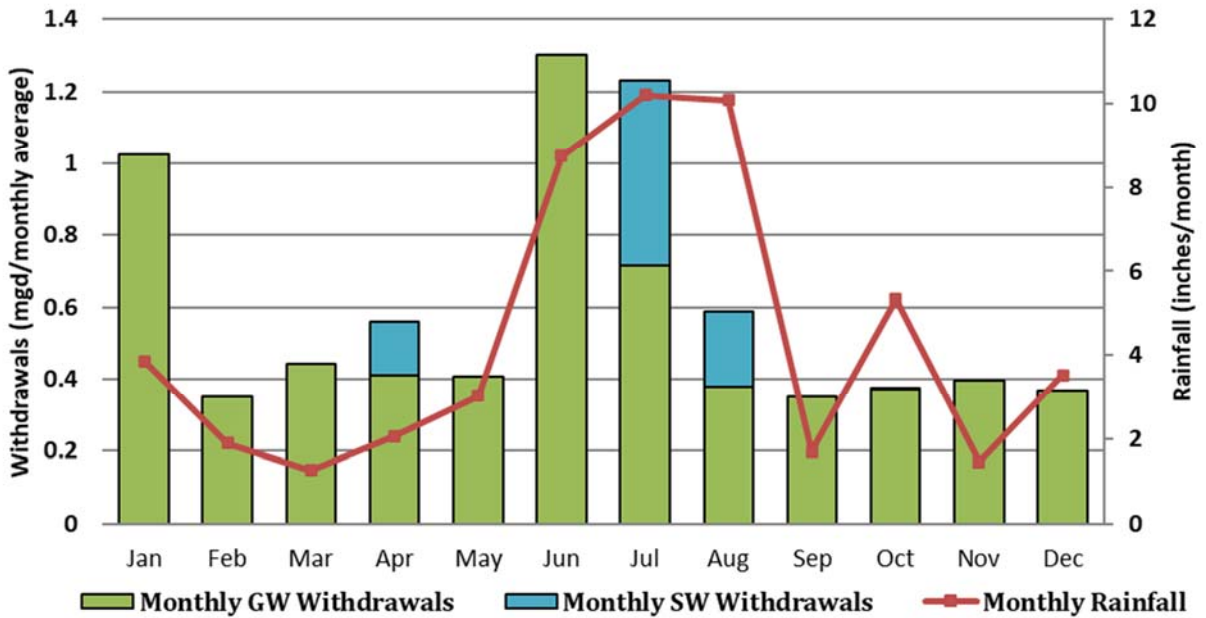


Figure 16. Institutional and "Other" Monthly Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2019.

(Data sources: Appendix A, Table A-14 and District rainfall data)

2019 ESTIMATED WATER USE REPORT

This page is intentionally blank.

2019 ESTIMATED WATER USE REPORT

DISRICTWIDE TOTALS

WITHDRAWALS = 1,072.8 MGD

USE = 1,041.8 MGD

The total amount of water *withdrawn* from water resources in the District was calculated as 1,072.8 mgd. The total *withdrawals* are down from 1,084.0 mgd in 2018 and are below a ten-year average of 1,092.6 mgd. Across the predominant use categories, withdrawals increased from 2018 in the public supply, landscape/recreation, and domestic self-supply use sectors and decreased in the agriculture, mining/dewatering, industrial/commercial, and institutional/"other" categories.

This report quantifies public supply *withdrawals* and *uses* separately. After factoring public supply difference into the District total, the total water *used* in the District was calculated as 1,041.8 mgd.

2019 DATA

The 2019 data was based on 6,985 active WUPs with a combined 16,823 resource withdrawal points (groundwater wells or surface water intakes), plus reported seawater desalination production and demographic estimates for domestic self-supply use. Only 30 percent of the active WUPs are required to report metered water use to the district on a monthly or daily schedule. However, the metered WUPs may have water allocations that are orders-of-magnitude greater than unmetered WUPs. Therefore, the metered WUPs comprise 89 percent of the total allocation *permitted* by the District. Tables 8a and 8b show the historical metered quantities and the count and quantities permitted to metered and unmetered WUPs.

Table 9 provides the totals of water *withdrawn* and water *used* in the District in 2019 by use type and county, as summarized from the prior chapters. The quantities *withdrawn* and *used* are assumed to be the same for all use categories except public supply. The public supply *use* accounts for imports, exports, treatment losses, and net storage changes in ASR or off-stream reservoirs and can vary

greatly by county from *withdrawn* quantities. Figure 17 provides a pie-chart comparison of quantities *withdrawn* and *used* by county.

Table 10 provides a comparison of *permitted* quantities to *withdrawn* quantities under the authority of District WUPs. The total quantity *permitted* for resource withdrawals on an annual average basis was 1,898.3 mgd. To directly compare *withdrawal* quantities to *permitted* quantities, the District excludes the domestic self-supply estimate (34.8 mgd) and seawater desalination (6.5 mgd) to calculate 1,031.5 mgd of WUP-authorized withdrawals. The comparison shows 54 percent of the total *permitted* quantities were *withdrawn*. A substantial unused quantity is expected because permit allocations provide for demands during drought periods and for the future projected needs during the duration of the permit.

Tables 11 and 12 provide a similar comparison of permitted and withdrawn quantities, respectively for metered and estimated WUPs only.

As noted in prior chapters, a few large WUPs with multi-county withdrawals have their permitted allocation assigned solely to their home county, but their *withdrawals* are sorted among the counties where they occurred.

Figure 18 compares the amount of groundwater and surface water withdrawn in each county in 2019. The figure illustrates that Hillsborough County had the greatest amount of water *withdrawals* (273.4 mgd); however, 53 percent of the county's withdrawals were from surface water sources. Polk County had more groundwater *withdrawals* (191.8 mgd) than Hillsborough County. Appendix B, Table B-1 contains the data presented in this graph.

Figure 19 compares the monthly groundwater and surface water *withdrawals* to Districtwide average monthly rainfall. The figure demonstrates a general trend that monthly groundwater *withdrawals* are inversely proportionate to the amount of monthly rainfall since irrigation demands are a significant portion of water use. Districtwide

2019 ESTIMATED WATER USE REPORT

average rainfall in 2019 was 53.2 inches, which was slightly more than the historic average on 52.8 inches (beginning 1915). The month of September had abnormally low rainfall at 1.7 inches; however, the surrounding months in the June-October provided an effective wet season. Every month in 2019 brought at least one inch of rainfall Districtwide.

Figure 20 illustrates the Districtwide groundwater and surface water withdrawals by predominant use category. This figure demonstrates that public supply is the largest use category, but more than a third of the demand was met by surface water resources. Groundwater withdrawals were similar for public supply and agriculture.

APPENDICES

Appendix A, Tables A-1, A-2, and A-3 provide WUP-specific public supply water use data including the withdrawals and use, water transfers among utilities, per capita ratios, and specific uses within the public supply category. These tables summarize the data reported by utilities and water supply authorities in their PSARs, along with metered and estimated data for the remaining WUPs that aren't required to submit a PSAR. There are some utility-specific differences between PSAR-reported uses and the total public supply estimates which are footnoted.

Appendix A, Tables A-5, A-7, A-9, A-11, and A-13 provide detailed listings of the quantities permitted and withdrawn for each metered WUP in the landscape/recreation, agriculture, mining/dewatering, industrial/commercial, institutional, and "other" use categories, respectively. WUPs issued for more than one predominant use type will appear in more than one table.

Appendix A, Tables A-4, A-6, A-8, A-10, A-12, and A-14 show the monthly average withdrawals by county for the predominant water use categories. The quantities are based on monthly or daily metered data recorded in

WMIS. Estimated shares are included in the totals and are based on monthly usage trends. Appendix B tables show the total annual average quantities *withdrawn* specifically by groundwater and surface water sources for each county, regulated water use category, and within each WUCA. Seawater and domestic self-supply estimates are excluded from these tables because these sources are not regulated by the District. Table B-1 provides the source data for Figure 18 and Figure 20. New for 2019 are Tables B-6 and B-7, which quantify water use within the FARMS priority watersheds of Upper Myakka and Shell Creek, respectively.

Appendix C identifies the total *permitted* annual average quantities from surface water and groundwater by county for the District and the WUCAs. Appendix C also contains freeze protection quantities *permitted* for agricultural use in the DPC WUCA (Tables C-6 and C-7).

Appendix D gives a ten-year history of the per capita use for public supply WUPs *permitted* for 100,000 gpd or more on an annual average basis. Table D-1 provides gross per capita values, and Table D-2 provides compliance per capita.

Appendix E shows the calculations for the DEP uniform per capita rates (gross and residential). The DEP has specified a consistent methodology to compare water efficiency across the five water management districts for state-wide analysis.

Appendix F provides technical details on the methodology used to make the EWU report, along with some history of changes to the reports. Some refinements may occur each year. Quality controls, data point error corrections, and reasonability assumptions are also discussed. It is recommended to consider the methodology used for this report before comparing its information to data from prior EWU reports or other sources.

2019 ESTIMATED WATER USE REPORT

Table 8a. Summary of 10 Years Metered Water Use Data, 2010 - 2019

Pumpage from Metered Withdrawal Points, 2010 to 2019, mgd/year											
Use type	Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Public Supply		454.4	514.4	502.1	494.9	525.2	520.0	532.4	553.4	542.8	554.4
Landscape/Recreation		48.0	49.7	54.7	42.7	42.7	39.2	48.1	50.6	47.0	47.4
Agricultural		303.7	271.6	299.2	263.8	227.3	220.6	228.0	274.0	258.2	246.3
Mining/Dewatering		26.9	20.7	23.1	25.6	17.7	26.3	21.8	21.7	19.0	18.3
Industrial/Commercial		50.5	52.5	62.6	60.2	54.1	54.8	49.5	56.5	62.7	53.4
Institutional/Other Uses		NA	NA	NA	NA	0.6	0.2	1.1	0.6	0.5	0.5
District Total ¹		883.4	908.9	941.6	887.3	867.7	861.1	880.9	956.7	930.2	920.4
Number of Metered Water Use Permits, 2010 to 2019											
Use type	Year	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Public Supply		220	205	200	195	191	186	181	176	175	177
Landscape/Recreation		305	299	305	299	312	310	330	331	333	328
Agricultural		1,180	1,182	1,200	1,210	1,367	1,461	1,500	1,556	1,576	1,550
Mining/Dewatering		19	17	14	11	14	16	16	13	15	16
Industrial/Commercial		77	80	87	85	88	91	89	90	91	90
Institutional/Other Uses		NA	NA	NA	NA	2	4	6	6	8	12
District Total ²		1,801	1,783	1,806	1,800	1,974	2,068	2,122	2,172	2,198	2,173

¹Nominal rounding discrepancies may occur. See Table 11 for values to 3rd decimal.

²The number of permits in this table reflects 106 duplicate counts for permits that have more than one predominant use type. In 2019, there were 2,067 unique metered permits.

Table 8b. Annual Average Permitted Quantities, Metered and Unmetered WUPs, 2019

Use Type	Total Quantities Permitted	Total Number of WUPs	Total Quantities Permitted to Metered WUPs	Total Number of Metered WUPs	Total Quantities Permitted to Non-Metered WUPs	Total Number of Non-Metered WUPs
	(mgd)		(mgd)		(mgd)	
Public Supply	820.417	349	813.372	175	7.045	174
Landscape/Recreation	121.633	1,050	96.974	333	24.659	717
Agricultural	746.157	5,418	577.100	1,576	169.057	3,842
Mining/Dewatering	55.380	74	52.258	15	3.122	59
Industrial/Commercial	141.457	301	134.112	91	7.345	210
Institutional and Other Uses	13.251	35	12.796	8	0.455	27
District Total ¹	1,898.295	7,227	1,686.612	2,198	211.683	5,029

Data Source: District Water Use Permit Database, Calendar Year.

¹ The number of permits in this table reflects 106 duplicate counts of permits that have more than one use. The distinct count of WUPs evaluated for this report was 6,985 total; 2,067 metered; and 4,918 estimated.

2019 ESTIMATED WATER USE REPORT

Table 9. Total Metered + Estimated Water Withdrawal and Use (mgd) Quantities by Predominant Use Category, 2019

County	Public Supply Withdrawal	Domestic Self-Supply Withdrawal & Use	Landscape/ Recreation Withdrawal & Use	Agriculture Withdrawal & Use	Mining/ Dewatering Withdrawal & Use	Industrial/ Commercial Withdrawal & Use	Institutional & "Other" Withdrawal & Use	Total Withdrawal Quantity ¹	Public Supply Use Quantity ²	Total Use Quantity ³
*Charlotte	7.578	0.381	1.850	10.013	0.138	0.023	0.009	19.992	16.714	29.128
Citrus	14.350	3.916	2.989	1.660	0.043	1.772	0.005	24.735	14.110	24.495
DeSoto	32.394	1.057	0.126	54.862	0.006	0.738	0	89.183	1.660	58.449
Hardee ⁴	1.376	0.587	0.142	36.762	1.263	1.830	0.001	41.961	1.343	41.928
Hernando	20.358	3.157	3.052	1.720	0.016	4.555	0	32.858	20.004	32.504
Highlands	8.545	0.839	1.953	39.950	0.009	0.097	0.012	51.405	8.353	51.213
Hillsborough ^{4,5,6}	218.828	8.021	8.698	40.195	2.760	9.384	0.017	287.903	151.013	220.088
*Lake	0	0.097	0	0.843	0	0	0	0.940	0	0.940
*Levy	0.767	0.821	0.133	8.483	0	0.010	0	10.214	0.690	10.137
Manatee ⁴	47.915	0.563	9.951	53.125	3.927	4.844	0	120.325	42.342	114.752
*Marion	11.111	3.917	2.600	3.879	0.019	0.010	0	21.536	11.036	21.461
Pasco ⁵	58.554	5.517	3.221	5.221	0.055	1.074	0.394	74.036	46.727	62.209
Pinellas ⁵	26.071	0.287	3.265	0.002	0	0.146	0.001	29.772	89.070	92.771
*Polk ⁴	71.628	1.907	9.334	73.779	10.457	29.816	0.155	197.076	72.711	198.159
Sarasota	21.548	1.763	8.366	2.627	0.003	0.114	0.016	34.437	34.502	47.391
Sumter	23.683	2.009	3.045	6.791	0.166	0.750	0	36.444	23.438	36.199
Totals-	564.706	34.839	58.725	339.912	18.862	55.163	0.61	1072.817	533.713	1041.824
% of Withdrawal	53%	3%	5%	32%	2%	5%	0%	100%		
% of Use		3%	6%	33%	2%	5%	0%		51%	100.0%

* Data is for only the portion of the county located within the District boundaries.

¹ Total Withdrawal - Represents the sum of the preceding seven columns and represents total water withdrawal by county for all categories.

² Public Supply Use - Represents total consumptive use of public supply water within a county. The difference from public supply withdrawals is the accounting of imports or exports of publicly supplied water from one county to another, treatment losses, and net change of storage in off-stream reservoirs or ASR systems.

³ Total Use = The sum of "Total (Withdrawal)" minus "Public Supply (Withdrawal)" and including "Public Supply (Use)."

⁴ Mosaic Consolidated Permit (#11400) withdrawals are shown in the county in which they occurred (Hardee, Hillsborough, Manatee, and Polk counties).

⁵ Tampa Bay Water Consolidated Permit (#11771) withdrawals are shown in the county in which they occurred (Hillsborough, Pasco, and Pinellas counties).

⁶ Hillsborough County Public Supply Withdrawal/Use Quantities include 6.500 mgd of Tampa Bay Water's seawater desalination effluent. Seawater is not regulated by the District, and the quantity is not included in Table 10 and some other tables representing only permitted water resources.

2019 ESTIMATED WATER USE REPORT

Table 10. 2019 Total (metered + estimated) Permitted and Withdrawn Annual Average Quantities (mgd) for Regulated Water Resources

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Institutional	Total
Permitted Quantities							
*Charlotte	27.170	0.084	0.581	13.581	4.493	0.027	45.936
Citrus	3.161	6.470	0.169	18.267	4.761	0.015	32.843
Desoto	110.404	1.371	0.029	81.111	1.119	0	194.034
Hardee	76.697	4.697	6.392	2.458	0.211	0.002	90.457
Hernando	3.565	8.221	0.307	25.869	6.262	0	44.224
*Highlands	58.125	0.371	0.029	11.393	2.758	0.039	72.715
Hillsborough	102.512	22.044	0.407	343.919	20.670	9.685	499.237
*Lake	1.709	0	0	0	0	0	1.709
*Levy	22.507	1.643	0.123	1.077	0.264	0	25.614
Manatee	155.796	9.378	0.240	63.792	24.874	0	254.080
*Marion	13.889	0.025	0.126	12.406	5.051	0	31.497
Pasco	17.115	5.750	0.245	20.790	8.641	2.890	55.431
Pinellas	0.199	0.361	0	27.472	6.303	0.025	34.360
*Polk	118.311	77.613	46.094	116.148	13.525	0.517	372.208
Sarasota	18.453	0.262	0.010	52.807	14.132	0.051	85.715
Sumter	16.544	3.167	0.628	29.327	8.569	0	58.235
District	746.157	141.457	55.380	820.417	121.633	13.251	1,898.295
Withdrawn Quantities (from permitted sources)							
*Charlotte	10.013	0.023	0.138	7.578	1.850	0.009	19.611
Citrus	1.660	1.772	0.043	14.350	2.989	0.005	20.819
Desoto	54.862	0.738	0.006	32.394	0.126	0	88.126
Hardee	36.762	1.830	1.263	1.376	0.142	0.001	41.374
Hernando	1.720	4.555	0.016	20.358	3.052	0	29.701
*Highlands	39.950	0.097	0.009	8.545	1.953	0.012	50.566
Hillsborough	40.195	9.384	2.760	212.328	8.698	0.017	273.382
*Lake	0.843	0	0	0	0	0	0.843
*Levy	8.483	0.010	0	0.767	0.133	0	9.393
Manatee	53.125	4.844	3.927	47.915	9.951	0	119.762
*Marion	3.879	0.010	0.019	11.111	2.600	0	17.619
Pasco	5.221	1.074	0.055	58.554	3.221	0.394	68.519
Pinellas	0.002	0.146	0	26.071	3.265	0.001	29.485
*Polk	73.779	29.816	10.457	71.628	9.334	0.155	195.169
Sarasota	2.627	0.114	0.003	21.548	8.366	0.016	32.674
Sumter	6.791	0.750	0.166	23.683	3.045	0	34.435
District	339.912	55.163	18.862	558.206	58.725	0.609	1,031.477
% Withdrawn	46%	39%	34%	68%	48%	5%	54%

* Data is for only the portion of the county located within the District boundaries.

Rounding errors of less than 0.1 percent may exist when comparing to other tables.

Tampa Bay Water Consolidated WUP (#11771) permitted allocation (90 mgd) is assigned to Hillsborough County, but withdrawals are counted in the county where they occurred (Hillsborough, Pasco, and Pinellas counties).

This table excludes domestic self-supply (34,839 mgd) and seawater desalination (6,500 mgd) withdrawals, which are unregulated sources; therefore, totals differ from Table 9.

Mosaic WUP (#11400) permit allocations for Mining (44.6 mgd) and Industrial/Commercial (25.0 mgd) are assigned to Polk County, but withdrawals are counted in the county in which they occurred.

Data source: Estimated Water Use Tables derived from the WMIS database, and 2019 PSARs.

2019 ESTIMATED WATER USE REPORT

Table 11. 2019 Permitted and Withdrawn Annual Average Quantities (mgd), Metered WUPs Only, for Regulated Water Resources

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Institutional	Total
Permitted Quantities, Metered WUPs Only							
*Charlotte	25.610	0.023	0.084	13.510	3.056	0	42.283
Citrus	0.497	6.008	0	17.813	3.868	0	28.186
Desoto	100.308	1.222	0	81.094	0.330	0	182.954
Hardee	52.634	4.547	6.392	2.391	0.009	0	65.973
Hernando	0	8.126	0	25.747	3.457	0	37.330
*Highlands	45.522	0	0	11.172	2.236	0	58.930
Hillsborough	87.313	20.953	0.192	343.137	16.420	9.647	477.662
*Lake	0.686	0	0	0	0	0	0.686
*Levy	13.922	0	0	1.077	0.012	0	15.011
Manatee	144.718	9.138	0.069	63.786	21.838	0	239.549
*Marion	4.684	0	0	12.050	3.689	0	20.423
Pasco	9.728	5.506	0.004	19.356	7.286	2.877	44.757
Pinellas	0.194	0.267	0	27.389	4.681	0.019	32.550
*Polk	67.890	76.129	45.418	113.047	9.839	0.253	312.576
Sarasota	17.502	0	0	52.680	11.974	0	82.156
Sumter	5.892	2.193	0.099	29.123	8.279	0	45.586
District	577.100	134.112	52.258	813.372	96.974	12.796	1,686.612
Withdrawn Quantities, Metered WUPs Only							
*Charlotte	9.358	0.001	0.001	7.546	1.381	0	18.287
Citrus	0.302	1.695	0	14.017	2.518	0	18.532
Desoto	48.755	0.657	0	32.386	0.061	0	81.859
Hardee	21.960	1.773	1.263	1.317	0	0	26.313
Hernando	0	4.521	0	20.260	2.061	0	26.842
*Highlands	32.008	0	0	8.437	1.600	0	42.045
Hillsborough	33.253	9.099	2.742	211.769	6.979	0.007	263.849
*Lake	0.289	0	0	0	0	0	0.289
*Levy	4.958	0	0	0.767	0	0	5.725
Manatee	48.951	4.755	3.926	47.910	8.417	0	113.959
*Marion	0.295	0	0	10.876	1.871	0	13.042
Pasco	0.671	1.040	0	57.463	2.502	0.390	62.066
Pinellas	0	0.110	0	26.009	2.369	0.001	28.489
*Polk	40.886	29.297	10.362	70.610	7.529	0.137	158.821
Sarasota	2.142	0	0	21.458	7.261	0	30.861
Sumter	2.455	0.478	0.021	23.572	2.885	0	29.411
District	246.283	53.426	18.315	554.397	47.434	0.535	920.390

* Data is for only the portion of the county located within the District boundaries.

Rounding errors of less than 0.1 percent may exist when comparing to other tables.

Tampa Bay Water Consolidated WUP (#11771) Public Supply Permitted allocation (90 mgd) is assigned to Hillsborough County, but withdrawals are counted in the county where they occurred (Hillsborough, Pasco, and Pinellas counties).

Mosaic WUP (#11400) permit allocations for Mining (44.6 mgd) and Industrial/Commercial (25.0 mgd) are assigned to Polk County, but withdrawals are counted in the county in which they occurred.

Data source: Estimated Water Use Tables derived from the WMIS database, and 2019 PSARs.

2019 ESTIMATED WATER USE REPORT

**Table 12. 2019 Permitted and Estimated Withdrawn Annual Average Quantities (mgd),
Non-Metered (Estimated) WUPs only, for Regulated Water Resources**

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Institutional	Total
Permitted Quantities, Non-Metered WUPs							
*Charlotte	1.560	0.061	0.497	0.071	1.437	0.027	3.653
Citrus	2.664	0.462	0.169	0.454	0.893	0.015	4.657
Desoto	10.096	0.149	0.029	0.017	0.789	0	11.080
Hardee	24.063	0.150	0	0.067	0.202	0.002	24.484
Hernando	3.565	0.095	0.307	0.122	2.805	0	6.894
*Highlands	12.603	0.371	0.029	0.221	0.522	0.039	13.785
Hillsborough	15.199	1.091	0.215	0.782	4.250	0.038	21.575
*Lake	1.023	0	0	0	0	0	1.023
*Levy	8.585	1.643	0.123	0	0.252	0	10.603
Manatee	11.078	0.240	0.171	0.006	3.036	0	14.531
*Marion	9.205	0.025	0.126	0.356	1.362	0	11.074
Pasco	7.387	0.244	0.241	1.434	1.355	0.013	10.674
Pinellas	0.005	0.094	0	0.083	1.622	0.006	1.810
*Polk	50.421	1.484	0.676	3.101	3.686	0.264	59.632
Sarasota	0.951	0.262	0.010	0.127	2.158	0.051	3.559
Sumter	10.652	0.974	0.529	0.204	0.290	0	12.649
District	169.057	7.345	3.122	7.045	24.659	0.455	211.683
Withdrawn Quantities, Non-Metered WUPs							
*Charlotte	0.655	0.023	0.137	0.032	0.469	0.009	1.325
Citrus	1.358	0.077	0.043	0.333	0.471	0.005	2.287
Desoto	6.107	0.081	0.006	0.008	0.065	0	6.267
Hardee	14.802	0.057	0	0.059	0.142	0.001	15.061
Hernando	1.720	0.034	0.016	0.098	0.991	0	2.859
*Highlands	7.942	0.097	0.009	0.108	0.353	0.012	8.521
Hillsborough	6.942	0.285	0.018	0.559	1.719	0.010	9.533
*Lake	0.554	0	0	0	0	0	0.554
*Levy	3.525	0.010	0	0	0.133	0	3.668
Manatee	4.174	0.089	0.001	0.005	1.534	0	5.803
*Marion	3.584	0.010	0.019	0.235	0.729	0	4.577
Pasco	4.550	0.034	0.055	1.091	0.719	0.004	6.453
Pinellas	0.002	0.036	0	0.062	0.896	0	0.996
*Polk	32.893	0.519	0.095	1.018	1.805	0.018	36.348
Sarasota	0.485	0.114	0.003	0.090	1.105	0.016	1.813
Sumter	4.336	0.272	0.145	0.111	0.160	0	5.024
District	93.629	1.738	0.547	3.809	11.291	0.075	111.089

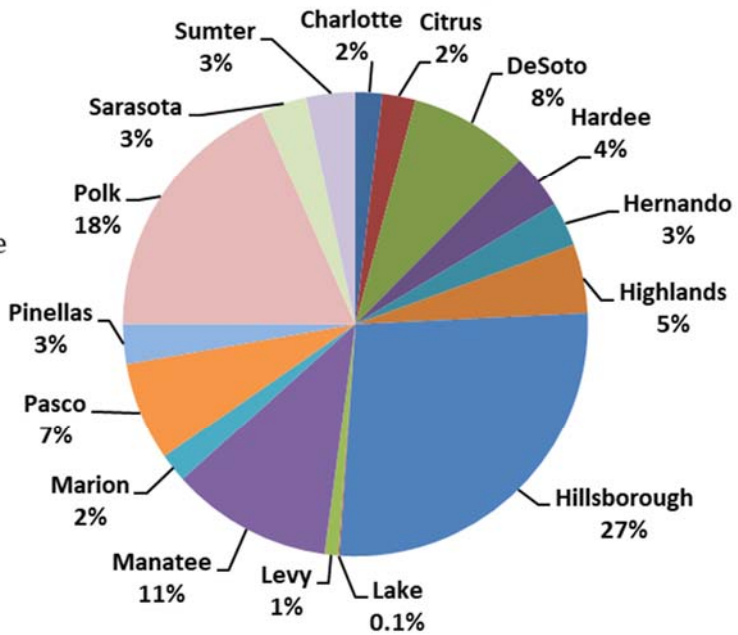
* Data is for only the portion of the county located within the District boundaries.
Rounding errors of less than 0.1 percent may exist when comparing to other tables.
Data source: Estimated Water Use Tables derived from the WMIS database.

2019 ESTIMATED WATER USE REPORT

Percentage Total Water Withdrawn by County

Total Withdrawals = 1,073 mgd

Data only for the portion of the counties within the District.



Percentage Total Water Used by County

Total Use = 1,042 mgd

Data only for the portion of the counties within the District.

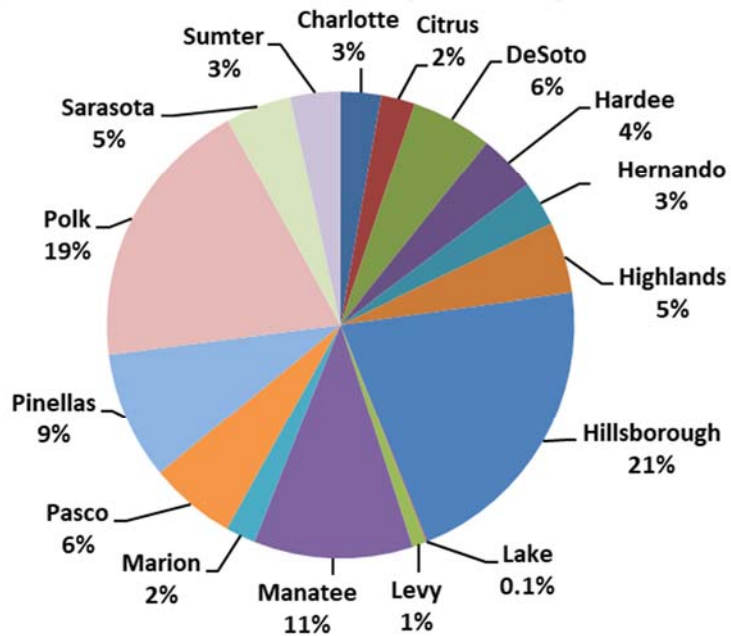


Figure 17. Percentages of Total Withdrawals and Total Use by County, 2019

(Data Source: Table 9)

2019 ESTIMATED WATER USE REPORT

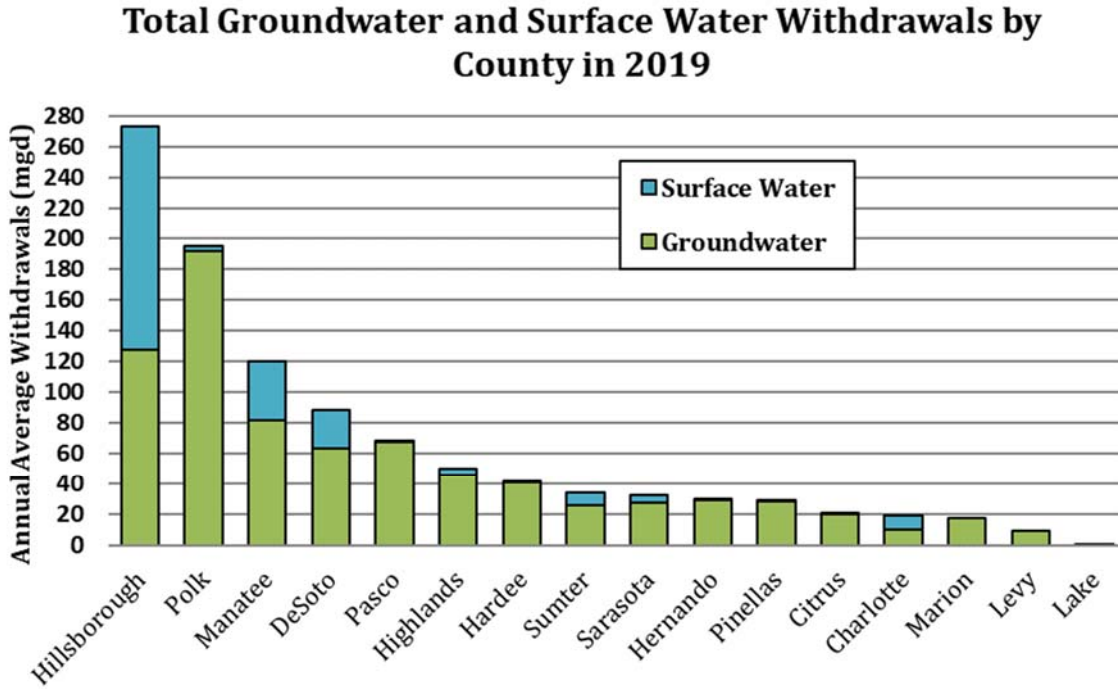


Figure 18. Total Groundwater and Surface Water Withdrawals by County, 2019
 (Data Source: Appendix B, Table B-1. The domestic self-supply category is excluded.)

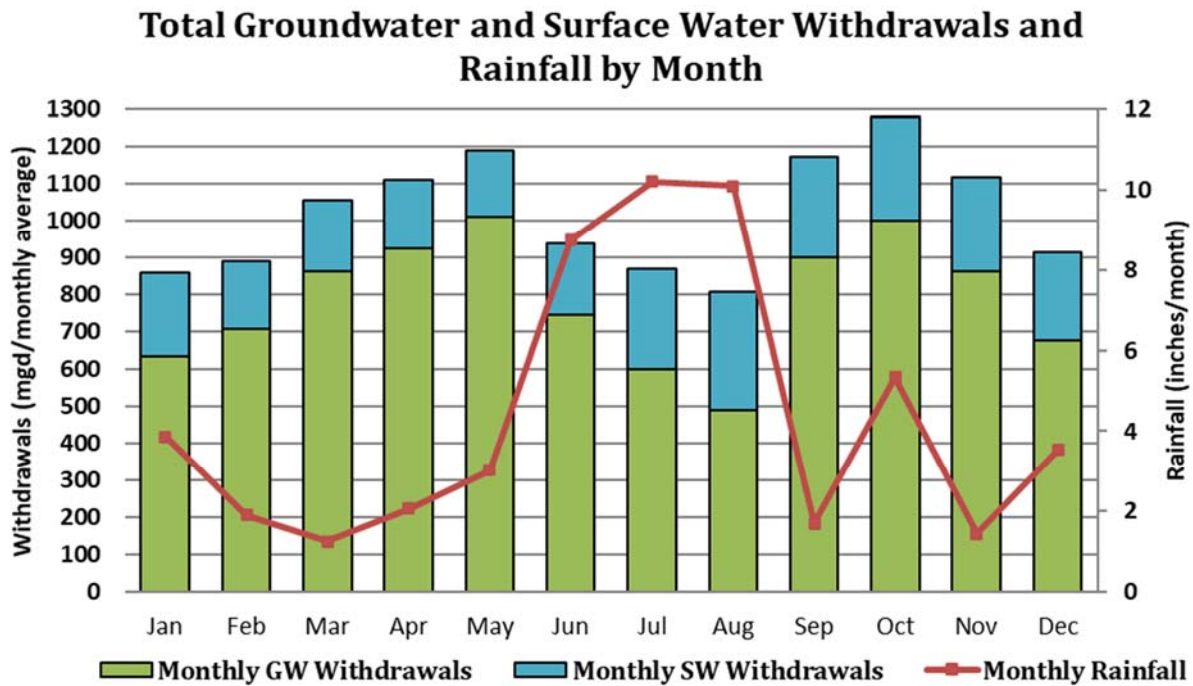


Figure 19. Total Groundwater and Surface Water Withdrawals by Month and Total Monthly Rainfall, 2019

(Data sources: Sum of quantities provided in Appendix A, Tables A-4, A-6, A-8, A-10, and A-12; and District rainfall data. The domestic self-supply category is excluded.)

2019 ESTIMATED WATER USE REPORT

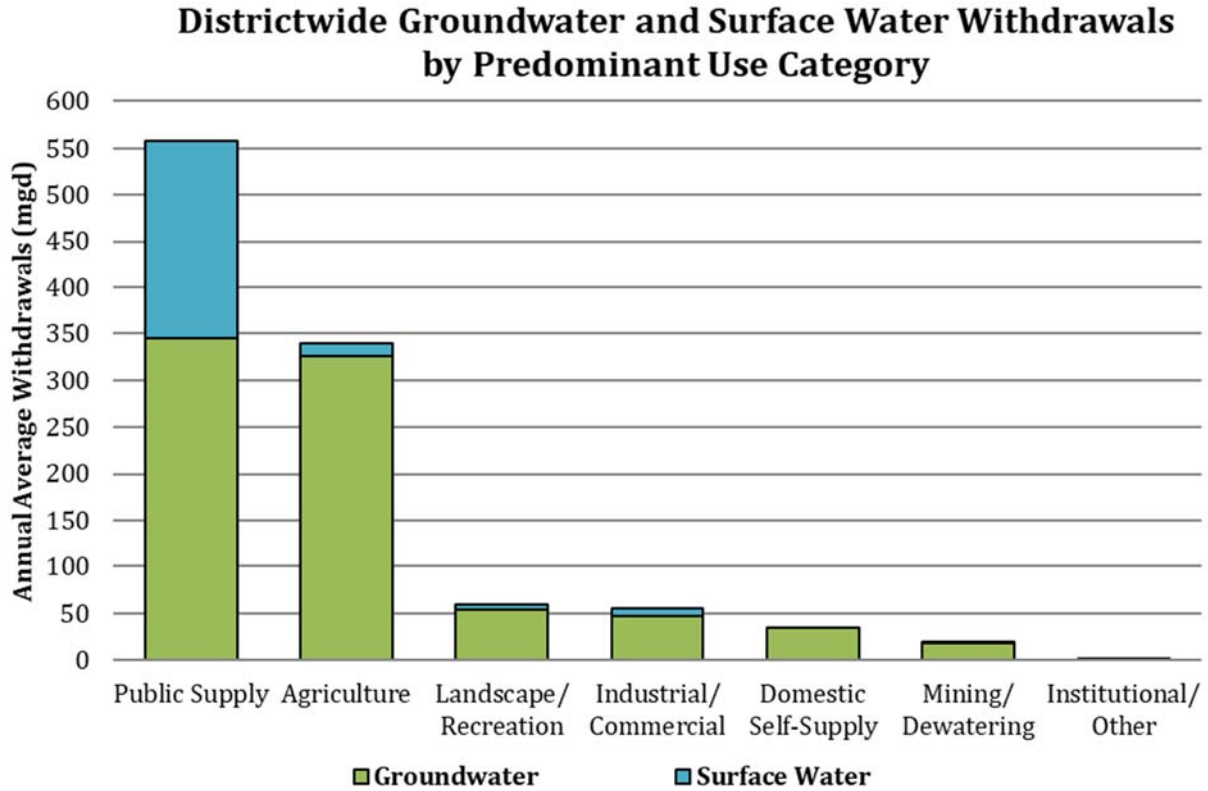


Figure 20. Total Groundwater and Surface Water Withdrawals by Predominant Use Category, 2019

(Data source: Table 9, Table B-1)

2019 ESTIMATED WATER USE REPORT

APPENDIX A

SUMMARIES OF METERED WITHDRAWALS

PER USE CATEGORY

BY WATER USE PERMIT

2019 ESTIMATED WATER USE REPORT

IMPORTANT INFORMATION REGARDING TABLE A-1

Table A-1, Part 1 lists in detail the primary information from Public Supply Annual Reports (PSARs) reported by the permittees of the major public supply water use permits (WUPs) throughout the District. A permittee having a public supply WUP issued for 100,000 gpd or more is required under Chapter 40D-2 Water Use Permits, F.A.C., to submit a completed PSAR by April 1st of each year. If a PSAR was not received from a utility, the data may be estimated using metered pumpage that was reported monthly or daily through the year and the BEBR-based population estimates.

Both the PSAR annual average withdrawal information and the reported metered pumpage records were analyzed for this report. The PSAR withdrawals were used for calculation in most cases. Where discrepancies existed, the file of record was extensively reviewed to support the withdrawal quantity used. The pumpage records in the District's WUP database are subject to updates post publication of this report and require the permittee's written approval.

The PSAR water use information that is presented in Table A-1, Part 1 includes:

- Permitted quantity
- Total withdrawals and use
- Water source type
- Imports from any source, such a water supply authority or neighboring utility
- Exports to any receiver, such as another public supply permittee
- Treatment plant losses
- Significant uses, typically large customers with no associated population
- Environmental mitigation
- Golf course irrigation use
- Service population estimates
- Stormwater uses that are eligible for compliance deductions
- Reclaimed water exports to other users, which are eligible for compliance deductions
- Per capita water use calculations

Per Capita Rates:

The water use per capita is a widely used ratio measurement of water use/population. Three types of per capita are provided in Table A-1: "unadjusted gross," "adjusted gross," and "compliance" per capita. A "residential" per capita use is also calculated and shown in Table A-2. Each of the per capita measures are described on pages 19-20 of the EWU Report. Additional information can be found in of the WUP Applicant's Handbook, Part B: <https://www.swfwmd.state.fl.us/media/document/3166>

The EWU report does not result in compliance or enforcement activity from the District's Regulation Bureau. Such activity is conducted independently. Some differences may occur between PSAR forms submitted by permittees and the published data due to the author's intent to provide accuracy and consistency for water use estimates in all predominant use categories.

2019 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2019 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2019 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Charlotte County																		
718	Gasparilla Island	1.538	1.405	Y	GW/RO	0.006	0	0.328	1.083	6,143	176	0	0	0	176	0	0.185	146
871	City of Punta Gorda	8.088	5.135	Y	SW/RO	0.517	0.315	0.350	4.988	39,177	127	0	0	0	127	0	0	127
1512	Charlotte Harbor Water	0.712	0.453	Y	GW/RO	0	0	0.114	0.338	4,559	74	0	0	0	74	0	0	74
3522	Charlotte Co BOCC	3.172	0.553	Y	GW/RO	0	0	0.124	0.430	7,186	60	0	0	0	60	0	0	60
7104	Charlotte Co BOCC	Wholesale	0	Y	GW/SW	10.460	0.517	0.099	9.844	134,412	73	0	0	0	73	0	0	73
Charlotte County Totals			7.546			10.984	0.832	1.016	16.682	191,477	87	0	0	0	87	0	0.185	86
Citrus County																		
207	City of Crystal River	0.919	0.730	Y	GW	0.016	0.001	0.027	0.718	5,781	124	0	0	0	124	0	0	124
419	City of Inverness ¹⁸	1.535	1.007	Y	GW	0	0	0.011	0.996	10,491	95	0	0	0	95	0	0	95
1118	Floral City Water Assoc	0.395	0.360	Y	GW	0	0	0.011	0.349	5,085	69	0	0	0	69	0	0	69
2842	Citrus County	4.780	2.476	Y	GW	0	0	0.025	2.451	18,762	131	0	0	0	131	0	0	131
4153	Rolling Oaks Utilities Inc	1.573	1.613	Y	GW	0	0	0.035	1.578	11,510	137	0	0	0	137	0	0	137
4406	Homosassa Water Dist.	0.960	0.853	Y	GW	0	0.039	0.005	0.809	5,778	140	0	0	0	140	0	0	140
6691	Gulf Highway Land Corp	0.288	0.055	Y	GW	0	0	0	0.055	579	96	0	0	0	96	0	0	96
7121	Citrus County & WRWSA	4.597	4.678	Y	GW	0	0.417	0.047	4.214	25,232	167	0	0	0	167	0	0.496	147
9791	Citrus County	2.435	1.978	Y	GW	0	0	0.020	1.959	12,434	158	0	0	0	158	0	0	158
11839	GCP Walden Woods	0.188	0.157	Y	GW	0	0	0.002	0.155	1,021	152	0	0	0	152	0	0	152
20230	Ozello Water Assoc	Wholesale	0	Y	GW	0.389	0	0.005	0.383	4,764	80	0	0	0	80	0	0	80
Citrus County Totals			13.908			0.405	0.458	0.187	13.668	101,437	135	0	0	0	135	0	0.496	130
Desoto County																		
4725	City of Arcadia	1.093	0.948	Y	GW	0.171	0	0.064	1.054	10,844	97	0	0	0	97	0	0	97
10420	PRMRWSA ¹⁹	80.000	31.438	Y	SW/GW	0	29.458	1.782	0.198	NA	NA	0	0	0	NA	0	0	NA
20457	DeSoto County Utilities	Wholesale	0	Y	SW/GW	0.548	0.140	0.008	0.399	5,392	74	0	0	0	74	0	0	74
Desoto County Totals			32.386			0.718	29.598	1.854	1.652	16,236	102	0	0	0	102	0	0	102
Hardee County																		
30	City of Bowling Green	0.287	0.203	Y	GW	0	0	0.007	0.197	4,355	45	0	0	0	45	0	0	45
4461	City of Wauchula	0.782	0.643	Y	GW	0	0	0.013	0.630	6,378	99	0	0	0	99	0	0	99
7658	Town of Zolfo Springs	0.175	0.140	Y	GW	0	0	0.010	0.130	2,499	52	0	0	0	52	0	0	52

2019 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2019 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2019 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
13026	Hardee County BOCC	0.439	0.132	Y	GW	0	0	0.003	0.129	2,898	45	0	0	0	45	0	0	45
Hardee County Totals			1.118			0	0	0.033	1.086	16,130	67	0	0	0	67	0	0	67
Hernando County																		
5789	Hernando Co Utilities	23.299	18.762	Y	GW	0	0	0.344	18.417	146,374	126	0	0	0	126	0	0	126
7627	City of Brooksville	2.448	1.498	Y	GW	0	0	0.010	1.488	19,876	75	0	0	0	75	0	0	75
Hernando County Totals			20.260			0	0	0.354	19.905	166,250	120	0	0	0	120	0	0	120
Highlands County																		
4167	HC Waterworks	0.255	0.115	Y	GW	0	0	0.001	0.114	1,407	81	0	0	0	81	0	0	81
4492	City of Sebring	5.811	4.153	Y	GW	0	0	0.042	4.111	36,857	112	0	0	0	112	0	0	112
4980	Lake Placid Holding	0.406	0.312	Y	GW	0	0	0.019	0.292	4,460	66	0	0	0	66	0	0	66
5270	Town of Lake Placid	0.807	0.662	Y	GW	0	0	0.007	0.655	7,315	90	0	0	0	90	0	0	90
6029	City of Avon Park	2.372	2.212	Y	GW	0	0	0.099	2.113	22,457	94	0	0	0	94	0	0	94
7139	Buttonwood Bay Util	0.203	0.233	Y	GW	0	0	0.008	0.225	1,664	135	0	0	0	135	0	0	135
13099	Sun N Lake of Sebring	1.104	0.655	Y	GW	0	0	0.016	0.639	7,542	85	0	0	0	85	0	0	85
Highlands County Totals			8.342			0	0	0.192	8.150	81,702	100	0	0	0	100	0	0	100
Hillsborough County																		
450	City of Temple Terrace	5.150	4.050	Y	GW	0	0	0.405	3.645	31,738	115	0	0	0	115	0	0	115
1776	City of Plant City	9.852	6.120	Y	GW	0.014	0.066	0.069	6.000	40,248	149	1.154	0	0	120	0	0.158	116
2062	City of Tampa ²⁰	82.000	80.565	Y	SW/GW	0.002	1.814	7.705	71.048	716,564	99	0	0	0	99	0	2.513	96
2285	Davpam Mobile Home	0.154	0.141	Y	GW	0	0	0	0.141	1,252	113	0	0	0	113	0	0	113
4352	TBW SC Hillsborough Wellfield ¹⁸	24.100	22.864	NA	GW	0	22.864	0	0	NA	NA	0	0	0	NA	0	0	NA
6879	The Meadows	0.236	0.192	Y	GW	0	0	0	0.192	2,416	80	0	0	0	80	0	0	80
7637	Riverside Golf Course ¹⁸	0.514	0.482	Y	GW	0	0	0.005	0.477	1,264	378	0	0.206	0	215	0	0	215
7790	Paradise Village MHC	0.128	0.091	Y	GW	0	0	0.001	0.090	1,481	61	0	0	0	61	0	0	61
10443	Windemere Utility Co	0.317	0.252	Y	GW	0	0	0.002	0.250	2,755	91	0	0	0	91	0	0	91
11732	TBW Brandon Urban Wellfield ¹⁷	6.000	5.841	NA	GW	0	5.841	0	0	NA	NA	0	0	0	NA	0	0	NA
11771	TBW Consol. Wellfield (Hillsborough Portion) ¹⁹	90.000	31.256	Y	SW/GW	0	31.256	0	0	NA	NA	0	0	0	NA	0	0	NA
11794	TBW Alafia River Withdrawal ¹⁹	18.700	19.666	NA	SW/GW	0	19.666	0	0	NA	NA	0	0	0	NA	0	0	NA

2019 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2019 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2019 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
11796	TBW Bypass Canal Withdrawal ¹⁹	85.000	38.164	Y	SW/GW	0	38.164	0	0	NA	NA	0	0	0	NA	0	0	NA
NA	TBW Seawater Desal ²¹	NA	6.500	NA	SEA	0	6.500	0	0	NA	NA	0	0	0	NA	0	0	NA
20141	Hillsborough County	Wholesale	0	Y	SW/GW	67.198	0	0.672	66.526	652,107	102	0	0	0	102	0	0	102
Hillsborough County Totals			216.185			67.214	126.171	8.858	148.370	1,449,825	102	1.154	0.206	0	101	0	2.671	100
Lake County																		
There were no Public Supply Permittees in the SWFWMD Portion of Lake County																		
Levy County																		
5640	City of Williston	0.827	0.487	Y	GW	0	0	0.024	0.463	3,275	141	0	0	0	141	0	0	141
8953	Town of Inglis	0.151	0.153	Y	GW	0	0.001	0.052	0.100	1,659	60	0	0	0	60	0	0	60
Levy County Totals			0.640			0	0.001	0.076	0.563	4,934	114	0	0	0	114	0	0	114
Manatee County																		
6392	City of Bradenton	6.950	6.556	Y	SW	0.206	0.010	0.663	6.089	70,311	87	0	0	0	87	0	0	87
10963	Town of Longboat Key	Wholesale	0	Y	SW	1.961	0	0.066	1.895	18,778	101	0	0	0	101	0	0	101
12443	City of Palmetto	Wholesale	0	Y	SW/GW	1.490	0.009	0.015	1.466	18,471	79	0	0	0	79	0	0	79
13343, 7345	Manatee Co Utilities ¹⁹	54.836, 1.96	41.341	Y	SW/GW	1.331	8.344	1.454	32.874	368,670	89	2.411	0	0	83	0	2.500	76
Manatee County Totals			47.897			4.988	8.363	2.198	42.324	476,230	89	2.411	0	0	84	0	2.500	79
Marion County																		
1156	Bay Laurel CDD	2.555	3.374	Y	GW	0	0	0.029	3.345	13,884	241	0	0	0	241	0	0.192	227
2999	Marion Utilities Inc	0.126	0.090	Y	GW	0	0	0.001	0.089	1,125	79	0	0	0	79	0	0	79
5643	Utilities Inc of Florida	0.188	0.148	Y	GW	0	0	0.001	0.148	1,000	148	0	0	0	148	0	0	148
6151	Marion County Utilities	6.661	5.134	Y	GW	0	0	0.043	5.091	40,147	127	0	0	0	127	0	0	127
7849	Marion Utilities Inc	0.149	0.119	Y	GW	0	0	0.001	0.119	1,075	111	0	0	0	111	0	0	111
8020	Marion Landing	0.179	0.129	Y	GW	0	0	0	0.129	1,127	114	0	0	0	114	0	0	114
8339	City of Dunnellon	1.117	0.998	Y	GW	0	0	0	0.998	6,355	157	0	0	0	157	0	0	157
8481	Spruce Creek Dev	0.834	0.690	Y	GW	0	0	0.002	0.688	6,600	104	0	0	0	104	0	0	104
Marion County Totals			10.682			0	0	0.075	10.606	71,313	149	0	0	0	149	0	0.192	146
Pasco County																		
279	Aqua Utilities Fl Inc	0.319	0.256	Y	GW	0	0	0.003	0.254	3,553	71	0	0	0	71	0	0	71
590	FGUA SC Pasco	1.000	0.910	Y	GW	0	0	0.002	0.908	9,060	100	0	0	0	100	0	0	100

2019 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2019 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2019 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
964	C S Water Co Inc	0.136	0.079	Y	GW	0	0	0	0.079	939	84	0	0	0	84	0	0	84
1631	City of Dade City	1.971	1.359	Y	GW	0	0	0.014	1.346	12,611	107	0	0	0	107	0	0	107
2978	Fl. Gov. Utility Authority	0.870	0.644	Y	GW	0.025	0	0.003	0.666	5,410	123	0	0	0	123	0	0	123
3182	FGUA Seven Springs	2.289	2.284	Y	GW	0.227	0	0.077	2.435	30,872	79	0	0	0	79	0	0	79
3590	Utilities Inc of FL	0.260	0.209	Y	GW	0	0	0.002	0.207	3,758	55	0	0	0	55	0	0	55
3692	City of Port Richey	1.050	0.695	Y	GW	0.010	0	0.032	0.673	7,739	87	0	0	0	87	0	0	87
4550	City of San Antonio	0.207	0.134	Y	GW	0	0	0.001	0.133	2,421	55	0	0	0	55	0	0	55
4669	Hudson Water Works	0.691	0.633	Y	GW	0	0	0.006	0.626	7,047	89	0	0	0	89	0	0	89
4734	City of New Port Richey	0.490	0.445	Y	GW	5.010	2.021	0.055	3.380	35,476	95	0	0	0	95	0	0	95
6040	City of Zephyrhills	2.900	2.345	Y	GW	0	0.019	0.031	2.294	27,824	82	0	0	0	82	0	0	82
7999	FGUA Angus Valley	0.145	0.137	Y	GW	0	0	0.001	0.136	2,007	68	0	0	0	68	0	0	68
8417	FGUA Aloha Gardens	0.123	0.105	Y	GW	0.291	0	0.003	0.393	7,959	49	0	0	0	49	0	0	49
11771	TBW Consolidated Wellfield (Pasco Portion) ¹⁹	See Hills.	43.980	NA	GW	0	43.980	0	0	NA	NA	0	0	0	NA	0	0	NA
11863	Pasco Co Utilities	6.286	3.023	Y	GW	29.663	0.771	0.032	31.882	297,290	107	0	0	0	107	0	1.111	104
Pasco County Totals			57.238			35.226	46.791	0.262	45.411	453,966	100	0	0	0	100	0	1.111	98
Pinellas County																		
742	City of Tarpon Springs	4.200	3.449	Y	GW/RO	0.006	0.071	0.899	2.483	28,875	86	0	0	0	86	0	0	86
2980	City of Dunedin	5.243	4.634	Y	GW/RO	0	0	1.186	3.449	45,754	75	0	0	0	75	0	0	75
2981	City of Clearwater	14.300	7.658	Y	GW/RO	4.160	0	1.133	10.684	145,889	73	0	0	0	73	0	0	73
7692	Town of Belleair	0.886	0.811	Y	GW	0.003	0	0.016	0.798	5,977	133	0	0	0	133	0	0.156	107
10795	City of Gulfport	Wholesale	0	Y	GW	0.898	0	0	0.898	14,817	61	0	0	0	61	0	0	61
11218	City of Oldsmar	2.606	1.899	Y	GW/RO	0.004	0	0.466	1.437	17,397	83	0	0	0	83	0	0	83
11245	City of Safety Harbor	Wholesale	0	Y	GW	1.302	0	0	1.302	15,183	86	0	0	0	86	0	0	86
11771	TBW Consolidated Wellfield (Pinellas Portion) ¹⁹	See Hills.	7.518	NA	SW/GW	0	7.518	0	0	NA	NA	0	0	0	NA	0	0	NA
12351	City of Pinellas Park	Wholesale	0	Y	GW	4.743	0	0	4.743	69,665	68	0	0	0	68	0	0	68
20142	Pinellas County	Wholesale	0	Y	GW	48.626	10.251	1.068	37.306	506,300	74	0	0	0	74	0	0	74
20143	City of St Petersburg	Wholesale	0	Y	GW	27.444	1.077	0.500	25.867	351,801	74	0	0	0	74	0	0	74
Pinellas County Totals			25.968			87.185	18.918	5.268	88.968	1,201,658	74	0	0	0	74	0	0.156	74

This row is intentionally blank

2019 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2019 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2019 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Polk County																		
341	City of Bartow	7.900	3.188	Y	GW	0	0	0.288	2.900	25,751	113	0	0	0	113	0	1.213	66
645	City of Fort Meade	0.760	0.572	Y	GW	0	0	0	0.572	5,720	100	0	0	0	100	0	0.530	7
1625	Four Lakes Golf Club ¹⁸	0.406	0.422	Y	GW	0	0	0.004	0.418	1,448	288	0	0.147	0	187	0.009	0	180
2332	Town of Lake Hamilton	0.381	0.302	Y	GW	0	0	0.003	0.299	1,997	150	0.019	0	0	140	0	0	140
3415	Orchid Springs Dev Corp	0.095	0.062	Y	GW	0.005	0	0	0.067	1,005	67	0	0	0	67	0	0	67
4005	Crooked Lake Park	0.302	0.242	Y	GW	0	0	0.018	0.224	2,598	86	0	0	0	86	0	0	86
4607	City of Winter Haven	14.060	9.903	Y	GW	0	0	0.099	9.804	84,440	116	0	0	0	116	0	0	116
4658	City of Lake Wales	3.903	2.629	Y	GW	0.004	0.001	0.026	2.606	22,414	116	0	0	0	116	0	0	116
4912	City of Lakeland	35.030	21.946	Y	GW	0	0.277	0.137	21.531	183,547	117	0	0.026	0	117	0	4.556	92
5251	Grenelefe Resort LLC ¹⁸	0.963	1.092	Y	GW	0	0	0.002	1.090	2,712	402	0	0.263	0	305	0	0	305
5750	City of Davenport	1.002	1.457	Y	GW	0	0	0	1.457	10,276	142	0	0	0	142	0	0	142
5868	Rainbow Resort	0.137	0.125	Y	GW	0	0	0	0.125	989	126	0	0	0	126	0	0	126
5870	City of Frostproof	0.870	0.359	Y	GW	0	0	0.004	0.355	3,616	98	0.054	0	0	83	0	0	83
5893	Town of Dundee	0.918	0.650	Y	GW	0	0	0	0.650	6,029	108	0	0	0	108	0	0	108
6124	City of Mulberry	0.807	0.392	Y	GW	0	0	0.002	0.389	4,769	82	0	0	0	82	0	0	82
6174	Saddlebag Lake	0.117	0.081	Y	GW	0	0	0	0.081	1,332	60	0	0	0	60	0	0	60
6505	Polk Co BOCC NWRUSA	5.700	2.640	Y	GW	0.151	0	0.027	2.764	32,710	85	0	0	0	85	0	0	85
6506	Polk Co BOCC SWRUSA	7.000	3.302	Y	GW	0.051	0.051	0.041	3.262	43,965	74	0	0	0	74	0	0	74
6507	Polk Co BOCC CRUSA	2.003	1.107	Y	GW	0	0	0.016	1.090	14,660	74	0	0	0	74	0	0	74
6508	Polk Co BOCC SERUSA	1.367	0.650	Y	GW	0	0	0.010	0.640	5,357	120	0	0	0	120	0	0	120
6509	Polk Co BOCC NERUSA	10.919	5.858	Y	GW	2.201	0.155	0.006	7.898	85,100	93	0	0	0	93	0	0	93
6624	City of Lake Alfred	1.303	0.955	Y	GW	0	0	0	0.955	8,460	113	0	0	0	113	0	0	113
6920	City of Eagle Lake	0.662	0.352	Y	GW	0	0	0.021	0.331	4,106	81	0	0	0	81	0	0	81
7119	City of Auburndale	7.036	5.508	Y	GW	0	0	0	5.508	30,458	181	1.134	0	0	144	0	0.010	143
7187	CHC Century Realty ¹⁸	0.429	0.262	Y	GW	0	0	0.003	0.259	1,482	175	0	0.108	0	102	0	0	102
7328	Carefree RV W. Haven ¹⁸	0.131	0.108	Y	GW	0	0	0	0.108	979	110	0	0.042	0	67	0	0	67
7878	Aqua Utilities Fl Inc	0.243	0.136	Y	GW	0	0	0.001	0.136	2,253	60	0	0	0	60	0	0	60
8054	Polk Co BOCC ERUSA	1.373	0.478	Y	GW	0	0.008	0.008	0.463	6,627	70	0	0	0	70	0	0	70

2019 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2019 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2019 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
8344	S V Utilities Ltd	0.212	0.146	Y	GW	0	0	0.001	0.144	1,379	105	0	0	0	105	0	0	105
8468	City of Polk City	0.761	0.370	Y	GW	0	0	0.024	0.346	7,450	46	0	0	0	46	0	0	46
8522	City of Haines City	5.921	5.057	Y	GW	0	0	0.211	4.846	37,417	130	0.246	0	0	123	0	0.311	115
8967	Sweetwater Community ¹⁸	0.141	0.121	Y	GW	0	0	0	0.121	698	173	0	0.038	0	118	0	0	118
10141	Polk Co Utilities Ovation	0.257	0	Y	GW	0.013	0	0	0.013	0	NA	0	0	0	NA	0	0	NA
12800	Polk Co Jordan's Grove	0.158	0.142	Y	GW	0.106	0	0	0.248	1,040	238	0	0	0	238	0	0	238
13043	Cypress Lakes Utilities	0.294	0.229	Y	GW	0	0	0.004	0.225	2,990	75	0	0	0	75	0	0.002	75
Polk County Totals			70.842			2.531	0.492	0.956	71.925	645,774	111	1.453	0.626	0	108	0.009	6.621	98
Sarasota County																		
2923	City of North Port	7.100	1.598	Y	SW/RO	2.024	0.013	0.253	3.355	56,756	59	0	0	0	59	0	0	59
4318, 10224, 10225	City of Sarasota	6.000, 6.000, 0.043	7.986	Y	GW	0	0.006	1.715	6.264	84,549	74	0	0	0	74	0	0	74
4866	Englewood Water Dist.	5.360	4.192	Y	GW/RO	0	0.127	1.219	2.847	37,540	76	0	0	0	76	0	0	76
5393	City of Venice	6.864	4.608	Y	GW/RO	0	0	2.230	2.378	36,589	65	0	0	0	65	0	0	65
5807	Camelot Communities ¹⁸	0.362	0.359	Y	GW/RO	0	0	0	0.358	1,829	196	0	0	0	196	0.211	0	81
7448	Sun-N-Fun RV Resort	0.186	0.143	Y	GW/RO	0	0	0.011	0.132	1,339	98	0	0	0	98	0	0	98
8836	Sarasota County BOCC	13.737	2.772	Y	GW/RO	17.929	0.805	0.619	19.278	241,131	80	0	0	0	80	0	0	80
Sarasota County Total			21.658			19.953	0.951	6.048	34.612	459,733	75	0	0	0	75	0.211	0	75
Sumter County																		
1368	Lake Panasoffkee Assoc	0.410	0.266	Y	GW	0	0	0	0.266	4,053	66	0	0	0	66	0	0	66
6519	City of Bushnell	1.367	0.466	Y	GW	0	0	0	0.466	3,869	121	0	0	0	121	0	0	121
7185	City of Webster	0.103	0.086	Y	GW	0	0	0.001	0.085	856	99	0	0	0	99	0	0	99
8135	City of Wildwood	6.445	2.392	Y	GW	0	0	0.024	2.368	20,012	118	0	0	0	118	0	0.159	110
8193	City of Center Hill	0.171	0.065	Y	GW	0	0	0	0.065	1,170	56	0	0	0	56	0	0	56
12584	Orange Blossom Utilities	0.136	0.019	Y	GW	0	0	0	0.019	0	NA	0	0	0	NA	0	0	NA
13005	The Villages CDD ^{18, 22}	19.346	20.549	Y	GW/SW	0	0	0.196	20.353	89,679	227	0.239	0.924	0	214	8.591	2.357	92
20597	City of Wildwood - CCC	0.238	0.129	Y	GW	0	0	0	0.129	1,598	81	0	0	0	81	0	0	81
20721	South Sumter Utility Co.	2.100	0.208	Y	GW	0.059	0.080	0.002	0.186	1,835	101	0	0	0	101	0	0	101
Sumter County Total			24.181			0.059	0.080	0.224	23.937	123,071	194	0.239	0.924	0	185	8.591	2.516	95

2019 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2019 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2019 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Northern Planning Region			69.670			0.464	0.539	0.916	68.679	467,005	147	0.239	0.924	0	145	8.591	3.204	119
Tampa Bay Planning Region			299.391			189.625	191.880	14.388	282.748	3,105,449	91	1.154	0.206	0	91	0	3.938	89
Southern Planning Region			109.487			36.644	39.744	11.116	95.270	1,143,676	83	2.411	0	0	81	0.211	2.685	79
Heartland Planning Region			80.303			2.531	0.492	1.181	81.161	743,606	109	1.453	0.626	0	106	0.009	6.621	97
District Totals ²⁰			558.851			229.264	232.655	27.601	527.858	5,459,736	97	5.258	1.756	0	95	8.812	16.448	91

Record of Public Supply Annual Reports Received and Number of WUPs in compliance with the 150 gpcd compliance per capita requirement.

	No. WUPs	No. WUPs	No. WUPs	No WUPs			
PSAR Received	133	Unadjusted Gross PC ≤ 150:	111	Adjusted Gross PC ≤ 150:	114	Compliance PC ≤ 150:	118
PSAR Not Received	0	Unadjusted Gross PC > 150:	15	Adjusted Gross PC > 150:	12	Compliance PC > 150:	8
PSAR Not Applicable	6	Total	126	Total	126	Total	126
Wholesale WUPS with PSAR	11						

Notes:

Calculations from raw data may create minor rounding discrepancies in summations.

gpcd: gallons per capita day (gallons per day per person)

mgd: million gallons per day

- 1 The permitted quantity that the WUP is allowed to withdraw on an annual average basis.
- 2 The annual average withdrawals reported by utility or water supply authority.
- 3 Signifies if a PSAR was received by the District. If a PSAR was not received, the District's pumpage and demographics data were used.
- 4 GW = Groundwater, SW = Surface Water, RO = Brackish groundwater treated by desalination, SEA = Seawater treated by desalination
- 5 IMPORT = Water purchased or transferred in bulk from another utility or water supply authority.
- 6 EXPORT = Water sold or transferred in bulk to another utility or water supply authority.
- 7 TREATMENT LOSS = Annual average gallons per day which are lost in routine treatment for potability. This includes, but is not limited to, desalination reject water, sand filtration backwash, and quantities used to maintain appropriate water quality in pipelines or tanks. Treatment losses are calculated as raw water into the plant minus treated water out of the plant. This should not include more than 1 percent of treated water volume delivered to the distribution system for flushing distribution lines for potability.
- 8 GROSS USE = (Withdrawal + Import) - (Export + Treatment Loss) +/- (storage in ASR or off-stream reservoirs [may not be quantified]). The Gross Use is the water distributed to utility customers.
- 9 POPULATION SERVED = permanent population + adjusted seasonal population + tourists (optional) + net commuters (optional). Information on functional population methodology is available in the District's Water Use Permit Information Manual, Part D: <https://www.swfwmd.state.fl.us/media/3168>
- 10 UNADJUSTED GROSS PER CAPITA = (Gross Use) ÷ (Functional Population). Population-related withdrawals associated with residential, business, institutional, industrial, miscellaneous metered, and unaccounted water uses are applicable to all public supply benefits.
- 11 SIGNIFICANT USE DEDUCTION = A Significant Use is a substantial amount of water provided for industrial/commercial (I/C) use and that is not related to population. Permittees are allowed to deduct significant use under five options: A: Single significant Use; B: Districtwide percent I/C use; C: Combined regional government and higher education facilities; D: Individual regional health facilities; E: Individual I/C facilities where water is the primary ingredient or the final product. Definitions and exclusions of each type are given in the Basis of Review for Water Use Permit Applications, Chapter 3, Section 3.6.

2019 ESTIMATED WATER USE REPORT

- 12 GOLF COURSE DEDUCTION = Separately metered golf course irrigation quantities from ground water, surface water, reclaimed water, or storm water provided to golf courses inside the service area. The permitted quantities for the service area are reported as withdrawals (WD) in the Annual Report. The golf course deduction quantities shall not exceed the actual quantities provided, or those that would be permitted for use by the District, whichever is less. Quantities provided may be deducted only if they are included in the permit.
- 13 ENVIRONMENTAL MITIGATION = Annual average quantities used by a utility to mitigate withdrawal-related stress to a specified environmental feature as required by the utility's WUP.
- 14 ADJUSTED GROSS PER CAPITA = ((Gross Use) - (Significant Uses + Golf Course Deduction + Environmental Mitigation) ÷ Functional Population).
- 15 STORMWATER DEDUCTION = Separately metered and reported stormwater quantities captured by the permittee that are included in the utility's permitted quantities for uses inside the service area and for uses other than for golf course irrigation (GC). The stormwater withdrawal quantities deducted shall not exceed the quantities actually provided, or those that would be permitted for the use by the District, whichever is less. The surface withdrawal points from the stormwater catchments shall be permitted on the provider's water use permit and must be reported as withdrawals in the PSAR to be deducted. The stormwater deduction is not taken where the quality of the groundwater source is lower but still suitable for the intended use, unless the stormwater use reduces adverse impacts to the water resources.
- 16 RECLAIMED WATER DEDUCTION = A deduction from the gross per capita that is applicable if the utility provides reclaimed water for beneficial use to an area as set forth in the Basis of Review for Water Use Permit Applications, Chapter 3, Section 3.1.
- 17 COMPLIANCE PER CAPITA = ((gross use) - (significant use + golf course deduction + environmental mitigation + stormwater deduction + reclaimed water deduction)) / (Functional Population). This is a rate that is calculated for compliance with the 150 gpd per person limit.

The following footnotes pertain to specified utilities and District total

- 18 The PSAR-reported withdrawal totals at noted golf resorts have mixed-use permit quantities, and the quantity claimed for "golf course deduction" was also counted in the landscape/recreation category of the EWU Report. To avoid double-counting, deductions to public supply withdrawals were made in Table 1 and Table 9. The county-total deductions are -0.006 mgd in Citrus, -0.159 in Hillsborough, -0.845 mgd in Polk, -0.200 mgd in Sarasota, and -0.772 mgd in Sumter counties.
- 19 Regional Water Supply Supplier. For Tampa Bay Water consolidated wellfield WUP No. 11771, the total withdrawn quantity (82.754 mgd) is divided among the three counties from which the withdrawals occurred (Hillsborough, Pasco, and Pinellas counties).
- 20 The City of Tampa and City of Lakeland reported "water year" (Oct-Sept) withdrawal data on their PSARs instead of calendar year (Jan-Dec) annual average withdrawals and use. The EWU Report Table 1 and Table 9 are adjusted to use consistent calendar year annual averages. The differences are below:
- City of Tampa water year withdrawal data 80.565 mgd, calendar year average 79.982 mgd.
 - City of Lakeland water year withdrawal data 21.946 mgd, calendar year average 22.178 mgd
- 21 The quantity for the Tampa Bay Water Seawater Desalination Facility is the finished water exported to the regional distribution system for use. While on standby, the seawater facility may also send an unknown quantity of partially treated effluent to the Bill Young reservoir. Since seawater is unique, the quantity is omitted from other tables that specify permitted groundwater or fresh surface water withdrawals from natural resources.
- 22 The Villages use large quantities of surface water withdrawn from lined stormwater ponds, an alternative supply which is reported in their PSAR, to balance their gross use and water losses. The permitted quantity shown (19.346 mgd) is their groundwater allocation, and their groundwater withdrawals were within their permitted quantity at 10.316 mgd.

Please note that data in these tables may not exactly match what was reported in official PSAR submittals due to rule requirements [40D-2.091(1)(a)], supporting documentation conditions, and staff quality evaluation. In addition, the data from the Water Management Information System (WMIS) is subject to updates.

2019 ESTIMATED WATER USE REPORT

Table A-1, Part 2. Metered Withdrawals for Public Supply WUPs that aren't required to submit a PSAR, Permitted Quantities (mgd), and Countywide Estimates for Non-Metered WUPs, 2019

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Charlotte	10726	JDI Farms	P100	G	0	0.402	0.001
Charlotte County Totals					0	Metered, Non-PSAR, mgd	
					0.032	Estimated, mgd, 2 WUPs	
					0.032	Total, mgd	
Citrus	729	Citrus County Water Resources	P130	G	0.061	0.088	0.088
Citrus	1345	Royal Oaks of Citrus HOA Inc	P130	G	0.054	0.085	0.085
Citrus County Totals					0.115	Metered, Non-PSAR, mgd	
					0.333	Estimated, mgd, 13 WUPs	
					0.448	Total, mgd	
DeSoto	8935	V C Hollingsworth Sr. Estate	P100	G	0	0.131	0.001
DeSoto County Totals					0	Metered, Non-PSAR, mgd	
					0.008	Estimated, mgd, 3 WUPs	
					0.008	Total, mgd	
Hardee	1912	V & W Farms Inc of Delray Beach	P135	G	0	1.298	0.002
Hardee	9550	Hardee Correctional Institution	P100	G	0.187	0.301	0.285
Hardee	11858	FINR II, Inc.	P040	G	0.012	0.431	0.421
Hardee County Totals					0.199	Metered, Non-PSAR, mgd	
					0.059	Estimated, mgd, 4 WUPs	
					0.258	Total, mgd	
Hernando County Totals					0	Metered, Non-PSAR, mgd	
There were no Non-PSAR Metered WUPS in Hernando County					0.098	Estimated, mgd, 5 WUPs	
					0.098	Total, mgd	
Highlands	9490	LP Waterworks, Inc	P130	G	0.065	0.096	0.096
Highlands	12846	Tropical Harbor Mobile Home Estates	P131	G	0.030	0.119	0.119
Highlands	12846	Tropical Harbor Mobile Home Estates	P131	S	0	0.119	0.119
Highlands County Totals					0.095	Metered, Non-PSAR, mgd	
					0.108	Estimated, mgd, 9 WUPs	
					0.203	Total, mgd	

2019 ESTIMATED WATER USE REPORT

Table A-1, Part 2. Metered Withdrawals for Public Supply WUPs that aren't required to submit a PSAR, Permitted Quantities (mgd), and Countywide Estimates for Non-Metered WUPs, 2019

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Hillsborough	689	School Board of Hillsborough Co	P100	G	0.047	0.150	0.083
Hillsborough	4421	Jack P, Meribeth Sizemore	P100	G	0.001	0.613	0.002
Hillsborough	4757	Wilder Corporation	P131	G	0.054	0.065	0.065
Hillsborough	5886	Tampa Bay Water	P105	G	0.004	0.820	0.820
Hillsborough	6480	Betty Astin	P135	G	0.005	0.164	0.008
Hillsborough	6675	Tampa Bay Water	P105	S	2.549	20.000	20.000
Hillsborough	7002	MHC FR Utility Systems	P130	G	0.150	0.097	0.097
Hillsborough	7405	Mathis Land Group	P100	G	0	0.056	0.003
Hillsborough	7405	Mathis Land Group	P100	S	0	0.056	0.003
Hillsborough	8342	Loop Farms, LLC	P100	G	0.005	0.498	0.009
Hillsborough	8342	Loop Farms, LLC	P100	S	0	0.498	0.009
Hillsborough	8563	T.G. and Laverne Robinson Family Partner	P130	G	0	0.087	0.040
Hillsborough	9658	Keel Farms, Inc	P100	G	0	0.069	0.001
Hillsborough	10066	Florida Acecapaders, Inc	P070	G	0	0.029	0.022
Hillsborough	12957	NHC-FL 8-LP	P131	G	0.011	0.321	0.060
Hillsborough County Totals					2.826	Metered, Non-PSAR, mgd	
					0.559	Estimated, mgd, 34 WUPs	
					3.385	Total, mgd	
Lake County Totals					0	Metered, Non-PSAR, mgd	
There were no Public Supply WUPS in Lake County					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
Levy	7755	Town of Yankeetown	P130	G	0.127	0.099	0.099
Levy County Totals					0.127	Metered, Non-PSAR, mgd	
					0	Estimated, mgd, 0 WUPs	
					0.127	Total, mgd	
Manatee	503	J.T. Reeder Partners	P131	G	0	0.875	0.004
Manatee	4467	John Falkner, LLC	P131	G	0.002	9.778	0.006

2019 ESTIMATED WATER USE REPORT

Table A-1, Part 2. Metered Withdrawals for Public Supply WUPs that aren't required to submit a PSAR, Permitted Quantities (mgd), and Countywide Estimates for Non-Metered WUPs, 2019

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Manatee	9089	FFD Land Co Inc	P135	G	0.003	2.791	0.012
Manatee	11105	WFA Land Company, Inc	P100	G	0.008	3.011	0.019
Manatee County Totals					0.013	Metered, Non-PSAR, mgd	
					0.005	Estimated, mgd, 2 WUPs	
					0.018	Total, mgd	
Marion	5731	MHC Foxwood Farms, LLC	P131	G	0.064	0.085	0.085
Marion	6792	Sun Communities Operating LP	P131	G	0.079	0.083	0.083
Marion	8005	GCP Fairfield Village, LLC	P131	G	0.051	0.072	0.072
Marion County Totals					0.194	Metered, Non-PSAR, mgd	
					0.235	Estimated, mgd, 14 WUPs	
					0.429	Total, mgd	
Pasco	540	Holiday Gardens Utilities, LLC	P130	G	0.056	0.100	0.100
Pasco	543	Crestridge Utilities, LLC	P130	G	0.067	0.100	0.100
Pasco	2043	Orangewood Lakes MHC Inc	P130	G	0.016	0.083	0.083
Pasco	9666	Alfred Heiler	P131	G	0.052	0.053	0.053
Pasco	11131	Tampa Bay Water (Triangle Lake Augmentation)	P020	G	0	0.084	0.084
Pasco	11132	Tampa Bay Water (Monsees Pond Augmentation)	P020	G	0.034	0.200	0.200
Pasco County Totals					0.225	Metered, Non-PSAR, mgd	
					1.091	Estimated, mgd, 29 WUPs	
					1.316	Total, mgd	
Pinellas	10350	Utilities Inc, Lake Tarpon	P130	G	0.041	0.084	0.084
Pinellas	12905	City of St. Petersburg	P080	G	0	0.070	0.070
Pinellas County Totals					0.041	Metered, Non-PSAR, mgd	
					0.062	Estimated, mgd, 2 WUPs	
					0.103	Total, mgd	
Polk	143	Mountain Lake Corp	P130	G	0.110	3.380	0.092

2019 ESTIMATED WATER USE REPORT

Table A-1, Part 2. Metered Withdrawals for Public Supply WUPs that aren't required to submit a PSAR, Permitted Quantities (mgd), and Countywide Estimates for Non-Metered WUPs, 2019

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Polk	1616	Lake Region Mobile Home Owners, Inc	P131	G	0.113	0.090	0.090
Polk	6314	Twin Fountains Club Inc	P130	G	0.041	0.063	0.063
Polk	8536	Woodland Lakes MHC	P130	G	0.019	0.050	0.050
Polk	8753	GCP Plantation Landings, LLC	P130	G	0.049	0.070	0.057
Polk	10575	Surterra Lakeland, LLC	P050	G	0.001	0.070	0.013
Polk	12217	Winter Haven Associates	P131	G	0.048	0.050	0.050
Polk County Totals					0.381	Metered, Non-PSAR, mgd	
					1.018	Estimated, mgd, 47 WUPs	
					1.399	Total, mgd	
Sarasota	12926	PRMRWSA Operational Flexibility	P105	G	0	7.251	7.251
Sarasota	12926	PRMRWSA Operational Flexibility	P105	S	0	7.251	7.251
Sarasota County Totals					0	Metered, Non-PSAR, mgd	
					0.090	Estimated, mgd, 2 WUPs	
					0.090	Total, mgd	
Sumter	6793	Rainforest RV, Inc	P130	G	0.020	0.224	0.032
Sumter	11778	Village Center CDD	P130	G	0.104	0.076	0.076
Sumter	13123	Loan Portfolio Solutions, LLC	P131	G	0.039	0.114	0.061
Sumter County Totals					0.163	Metered, Non-PSAR, mgd	
					0.111	Estimated, mgd, 5 WUPs	
					0.274	Total, mgd	
District Totals					4.379	Metered, Non-PSAR, mgd	
					3.809	Estimated, mgd, 171 WUPs	
					8.188	Public Supply Total (mgd) for non-PSAR WUPs	

Data source: Estimated Water Use Tables derived from the WMIS WUP database.

Notes:

¹ Use Code: Alpha-numeric code to identify largest specific use attributed to the permit. The first letter indicates the "predominant use" (P = Public Supply). Each WUP may have multiple use codes, but the largest specific use within the category is shown. Descriptions of the use codes are provided below.

2019 ESTIMATED WATER USE REPORT

² Source: G = Groundwater; S = Surface Water

³ The annual average withdrawals by each permittee under the public supply use category, in million gallons per day. The totals show the sum of metered withdrawals, an additional amount estimated for the non-metered permittees, and the combined total for the county and District.

⁴ The Public Supply portion of the total permitted quantity. If the number is less than the total permitted quantity, there are uses other than Public Supply on the WUP.

The public supply use codes that are used in WMIS are provided below. There are more use codes listed, for reference, than appear in Table A-1, Part 2. Codes in italics are discontinued but may still appear in WMIS until WUPs are renewed.

P020	Augmentation for Environmental	P082	General Landscape Recreation	P130	Residential Single Family
P025	Aquifer Depletion Mitigation	P083	Golf Course Irrigation by Public Supply	P131	Residential Mobile Home
P040	Commercial/Industrial	<i>P090</i>	<i>Other Uses (Unmetered)</i>	P135	Temporary Employee Housing
P050	Desalination Reject	P100	Personal Sanitary Use	P140	Treatment Losses (Back-flushing)
P060	Fire Fighting/Testing	P105	Regional Public Supply System	P150	Unaccounted Use
P070	Lawn & Landscape Irrigation	P110*	Quantities Supplied by External Source	P160	Water Utility Use (Maintenance, Flushing, etc.)
P075	Common Area Irrigation	P112	Quantities Sold or Provided to Another Utility	P170*	Reuse Water to Customers in Service Area
P080	Other Metered Uses	P115	Residential (Provided by Non-Utility)	P175*	Reuse Water Supplied within Service Area
P081	Cooling	P120	Residential Multi-Family	P180*	Reuse Water to Customers outside Service Area
				P181	Line Flushing

* The uses P110, P170, P175, and P180 are excluded from the estimated water use query.

2019 ESTIMATED WATER USE REPORT

TABLE A-2. This table presents information provided by permittees on Part B of the PSAR form to show customer uses by specific use categories. The gross use is the same amount shown in Table A-1. The residential use is the sum of water supplied to single family and multifamily dwellings, mobile homes, and RV parks. The other specific use categories provided are industrial/commercial (I/C), agriculture (AG), landscape/recreation use excluding golf courses, (L/R), golf course irrigation (GC), the portion used for fire systems and other quantified ancillary water needs (F&O). Any discrepancies between the amount of water leaving the treatment plant and the amount recorded at the customer meters are non-quantified water losses (WL). Water losses may result from a variety of issues including pipeline leaks and breaks, users tapping into supply lines illegally, or under-registering the customer meters.

The residential use quantities are divided by the functional population to generate a residential per capita rate. The countywide residential per capita rates are used to estimate the domestic self-supply quantities in the EWU Report.

Table A-2. 2019 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Charlotte	718	Gasparilla Island	Y	1.083	80.6	13.6	0.0	0.0	0.0	0.3	5.5	0.872	6,143	142	0.148	0	0	0	0.003	0.059
Charlotte	871	City of Punta Gorda	Y	4.988	73.5	12.8	0.0	5.7	0.0	2.4	5.6	3.667	39,177	94	0.638	0	0.285	0	0.120	0.278
Charlotte	1512	Charlotte Harbor	Y	0.338	69.9	18.8	0.0	0.0	0.0	0.0	11.2	0.237	4,559	52	0.064	0	0	0	0	0.038
Charlotte	3522	Charlotte Co Utilities	Y	0.430	68.8	8.2	0.0	0.2	0.0	5.7	17.0	0.296	7,186	41	0.035	0	0.001	0	0.025	0.073
Charlotte	7104	Charlotte Co Utilities	Y	9.844	73.1	15.2	0.0	1.4	0.0	1.6	8.7	7.194	134,412	54	1.495	0	0.140	0	0.159	0.855
Charlotte County Totals				16.682	73.5	14.3	0.0	2.6	0.0	1.8	7.8	12.266	191,477	64	2.380	0	0.426	0	0.307	1.304
Citrus	207	City of Crystal River	Y	0.718	34.6	31.8	0.0	0.0	0.0	0.0	33.6	0.248	5,781	43	0.228	0	0	0	0	0.241
Citrus	419	City of Inverness	Y	0.996	51.7	41.5	0.0	0.0	0.0	0.0	6.7	0.516	10,491	49	0.414	0	0	0	0	0.067
Citrus	1118	Floral City Water	Y	0.349	72.2	5.6	0.0	1.4	0.0	4.1	16.8	0.252	5,085	50	0.019	0	0.005	0	0.014	0.058
Citrus	2842	Citrus County	Y	2.451	74.7	1.6	0.0	0.0	0.0	10.7	13.0	1.831	18,762	98	0.039	0	0	0	0.262	0.318
Citrus	4153	Rolling Oaks Utilities	Y	1.578	63.8	6.2	0.0	0.0	0.0	15.9	14.1	1.006	11,510	87	0.098	0	0	0	0.250	0.223
Citrus	4406	Homosassa Water Dist	Y	0.809	47.0	33.5	0.0	0.0	0.0	0.7	18.8	0.381	5,778	66	0.271	0	0	0	0.006	0.152
Citrus	6691	Gulf Highway Land Corp	Y	0.055	92.9	0.0	0.0	0.0	0.0	0.0	7.1	0.052	579	89	0	0	0	0	0	0.004
Citrus	7121	Citrus Co & WRWSA	Y	4.214	61.3	25.9	0.0	0.7	0.0	4.9	7.1	2.584	25,232	102	1.093	0	0.030	0	0.208	0.299
Citrus	9791	Citrus County	Y	1.959	66.9	3.7	0.0	0.0	0.0	11.9	17.4	1.311	12,434	105	0.073	0	0	0	0.234	0.341
Citrus	11839	GCP Walden Woods	Y	0.155	98.9	0.0	0.0	1.1	0.0	0.0	0.0	0.153	1,021	150	0	0	0.002	0	0	0
Citrus	20230	Ozello Water Assoc	Y	0.383	52.9	29.3	7.7	0.0	0.0	1.4	8.7	0.203	4,764	43	0.112	0.030	0	0	0.005	0.033
Citrus County Totals				13.668	62.5	17.2	0.2	0.3	0.0	7.2	12.7	8.537	101,437	84	2.347	0.030	0.037	0	0.981	1.737

2019 ESTIMATED WATER USE REPORT

Table A-2. 2019 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Desoto	4725	City of Arcadia	Y	1.054	72.2	12.5	0.0	0.0	0.0	1.1	14.3	0.761	10,844	70	0.132	0	0	0	0.011	0.151
Desoto	20457	DeSoto County Util	Y	0.399	40.6	20.8	0.0	0.0	0.0	0.0	38.6	0.162	5,392	30.07	0.083	0	0	0	0	0.154
Desoto County Totals				1.454	63.5	14.8	0.0	0.0	0.0	0.8	21.0	0.923	16,236	57	0.215	0	0	0	0.011	0.305
Hardee	30	City of Bowling Green	Y	0.197	81.4	16.4	0.0	1.1	0.0	0.9	0.2	0.160	4,355	37	0.032	0	0.002	0	0.002	0
Hardee	4461	City of Wauchula	Y	0.630	52.2	33.4	0.0	2.3	0.0	6.5	5.6	0.329	6,378	52	0.211	0	0.014	0	0.041	0.035
Hardee	7658	Town of Zolfo Springs	Y	0.130	88.3	8.5	0.0	0.0	0.0	2.0	1.3	0.115	2,499	46	0.011	0	0	0	0.003	0.002
Hardee	13026	Hardee County Util	Y	0.129	71.4	18.4	0.0	4.9	0.0	0.6	4.7	0.092	2,898	32	0.024	0	0.006	0	0.001	0.006
Hardee County Totals				1.086	64.1	25.6	0.0	2.1	0.0	4.3	4.0	0.696	16,130	43	0.278	0	0.023	0	0.046	0.043
Hernando	5789	Hernando Co Utilities	Y	18.417	74.0	9.0	0.0	1.8	0.0	5.2	9.9	13.630	146,374	93	1.667	0	0.334	0	0.960	1.826
Hernando	7627	City of Brooksville	Y	1.488	48.9	41.4	0.0	0.0	0.0	1.5	8.2	0.727	19,876	37	0.616	0	0	0	0.023	0.122
Hernando County Totals				19.905	72.1	11.5	0.0	1.7	0.0	4.9	9.8	14.358	166,250	86	2.283	0	0.334	0	0.983	1.948
Highlands	4167	HC Waterworks	Y	0.114	62.6	5.9	0.0	0.0	0.0	6.9	24.6	0.072	1,407	51	0.007	0	0	0	0.008	0.028
Highlands	4492	City of Sebring	Y	4.111	65.4	25.1	0.0	0.0	0.0	1.5	8.0	2.689	36,857	73	1.033	0	0	0	0.062	0.327
Highlands	4980	Lake Placid Hold Co	Y	0.292	78.8	3.1	0.0	0.0	0.0	9.9	8.2	0.230	4,460	52	0.009	0	0	0	0.029	0.024
Highlands	5270	Town of Lake Placid	Y	0.655	61.2	22.3	0.0	1.5	0.0	7.1	7.9	0.401	7,315	55	0.146	0	0.010	0	0.047	0.052
Highlands	6029	City of Avon Park	Y	2.113	70.0	18.0	0.0	0.0	0.0	5.2	6.9	1.478	22,457	66	0.380	0	0	0	0.109	0.145
Highlands	7139	Buttonwood Bay Util	Y	0.225	64.1	0.0	0.0	11.5	0.0	0.0	24.4	0.144	1,664	87	0	0	0.026	0	0	0.055
Highlands	13099	Sun N Lake of Sebring	Y	0.639	58.5	35.1	0.0	3.0	0.0	1.9	1.6	0.373	7,542	50	0.224	0	0.019	0	0.012	0.010
Highlands County Totals				8.150	66.1	22.1	0.0	0.7	0.0	3.3	7.9	5.388	81,702	66	1.799	0	0.055	0	0.267	0.642
Hillsborough	450	City of Temple Terrace	Y	3.645	62.8	21.3	0.0	0.0	0.0	0.2	15.7	2.291	31,738	72	0.775	0	0	0	0.009	0.570
Hillsborough	1776	City of Plant City	Y	6.000	45.9	40.3	0.0	0.8	0.0	5.8	7.2	2.756	40,248	68	2.419	0	0.047	0	0.346	0.431
Hillsborough	2062	City of Tampa	Y	71.048	58.9	31.2	0.0	1.2	0.0	0.3	8.4	41.870	716,564	58	22.149	0	0.872	0.002	0.187	5.970
Hillsborough	2285	Davpam MHC	Y	0.141	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.141	1,252	113	0	0	0	0	0	0
Hillsborough	6879	The Meadows MHC	Y	0.192	99.0	0.0	0.0	0.0	0.0	0.5	0.5	0.190	2,416	79	0	0	0	0	0.001	0.001
Hillsborough	7637	Riverside Golf Course	Y	0.477	57.9	0.0	0.0	0.0	43.1	0.0	-1.0	0.277	1,264	219	0	0	0	0.206	0	-0.005
Hillsborough	7790	Paradise Village MHC	Y	0.090	92.6	0.0	0.0	0.0	0.0	0.0	7.4	0.084	1,481	57	0	0	0	0	0	0.007
Hillsborough	10443	Windemere Utility	Y	0.250	100.0	0.0	0.0	0.0	0.0	0.9	-0.9	0.250	2,755	91	0	0	0	0	0.002	-0.002

2019 ESTIMATED WATER USE REPORT

Table A-2. 2019 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Hillsborough	20141	Hillsborough County	Y	66.526	79.8	11.1	0.0	0.0	0.0	0.0	9.1	53.085	652,107	81	7.379	0	0	0	0	6.062
Hillsborough County Totals				148.370	68.0	22.1	0.0	0.6	0.1	0.4	8.8	100.943	1,449,825	70	32.721	0	0.919	0.208	0.545	13.034
There was no significant public supply use in the SWFWMD portion of Lake County																				
Levy	5640	City of Williston	Y	0.463	43.7	35.9	0.0	0.0	0.0	4.7	15.7	0.202	3,275	62	0.166	0	0	0	0.022	0.073
Levy	8953	Town of Inglis	Y	0.100	71.8	17.9	0.0	0.0	0.0	0.9	9.5	0.072	1,659	43	0.018	0	0	0	0.001	0.009
Levy County Totals				0.563	48.7	32.7	0.0	0.0	0.0	4.0	14.6	0.274	4,934	56	0.184	0	0	0	0.023	0.082
Manatee	6392	City of Bradenton	Y	6.089	68.0	21.3	0.0	0.0	0.0	3.5	7.2	4.142	70,311	59	1.296	0	0	0	0.214	0.437
Manatee	10963	Town of Longboat Key	Y	1.895	82.5	5.0	0.0	0.0	0.0	1.4	11.1	1.563	18,778	83	0.095	0	0	0	0.027	0.210
Manatee	12443	City of Palmetto	Y	1.466	56.7	19.5	0.0	1.7	0.0	0.1	22.0	0.831	18,471	45	0.286	0	0.024	0	0.002	0.323
Manatee	13343	Manatee County Util	Y	32.874	69.5	22.2	0.0	0.0	0.0	1.0	7.3	22.847	368,670	62	7.285	0	0	0	0.329	2.414
Manatee County Totals				42.324	69.4	21.2	0.0	0.1	0.0	1.3	8.0	29.383	476,230	62	8.962	0	0.024	0	0.571	3.384
Marion	1156	Bay Laurel CDD	Y	3.345	84.9	4.3	0.0	2.3	0.0	1.3	7.1	2.841	13,884	205	0.145	0	0.078	0	0.045	0.236
Marion	2999	Marion Utilities Inc	Y	0.089	77.9	4.4	0.0	0.0	0.0	3.4	14.3	0.069	1,125	62	0.004	0	0	0	0.003	0.013
Marion	5643	Utilities Inc of FL	Y	0.148	73.8	4.3	0.0	0.0	0.0	1.5	20.4	0.109	1,000	109	0.006	0	0	0	0.002	0.030
Marion	6151	Marion Co Utilities	Y	5.091	72.0	13.6	0.0	0.0	0.0	0.5	14.0	3.665	40,147	91	0.690	0	0	0	0.024	0.713
Marion	7849	Marion Utilities Inc	Y	0.119	89.7	2.4	0.0	0.0	0.0	2.1	5.8	0.107	1,075	99	0.003	0	0	0	0.002	0.007
Marion	8020	Marion Landing	Y	0.129	79.5	0.0	0.0	5.6	0.0	6.3	8.6	0.102	1,127	91	0	0	0.007	0	0.008	0.011
Marion	8339	City of Dunnellon	Y	0.998	33.7	7.3	0.0	2.4	0.0	6.4	50.2	0.337	6,355	53	0.073	0	0.024	0	0.064	0.500
Marion	8481	Spruce Creek Dev	Y	0.688	90.4	0.3	0.0	0.0	0.0	0.7	8.6	0.622	6,600	94	0.002	0	0	0	0.005	0.060
Marion County Totals				10.606	74.0	8.7	0.0	1.0	0.0	1.4	14.8	7.852	71,313	110	0.923	0	0.109	0	0.153	1.570
Pasco	279	Aqua Utilities FL Inc	Y	0.254	73.5	12.7	0.0	0.0	0.0	4.0	9.9	0.186	3,553	52	0.032	0	0	0	0.010	0.025
Pasco	590	FGUA SC Pasco	Y	0.908	73.1	20.3	0.0	0.0	0.0	0.4	6.1	0.664	9,060	73	0.185	0	0	0	0.004	0.056
Pasco	964	C S Water Co Inc	Y	0.079	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.079	939	84	0	0	0	0	0	0
Pasco	1631	City of Dade City	Y	1.346	63.0	18.8	0.0	0.0	0.0	0.0	18.3	0.847	12,611	67	0.252	0	0	0	0	0.246
Pasco	2978	FGUA Gulf Harbor	Y	0.666	73.1	17.4	0.0	0.0	0.0	0.4	9.1	0.487	5,410	90	0.116	0	0	0	0.002	0.061
Pasco	3182	FGUA Seven Springs	Y	2.435	76.9	12.6	0.0	0.0	0.0	0.5	9.9	1.873	30,872	61	0.306	0	0	0	0.013	0.242
Pasco	3590	Utilities Inc of FL	Y	0.207	94.8	0.0	0.0	0.0	0.0	0.0	5.2	0.196	3,758	52	0	0	0	0	0	0.011

2019 ESTIMATED WATER USE REPORT

Table A-2. 2019 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Pasco	3692	City of Port Richey	Y	0.673	46.2	22.6	0.0	0.0	0.0	1.2	30.0	0.310	7,739	40	0.152	0	0	0	0.008	0.202
Pasco	4550	City of San Antonio	Y	0.133	76.9	15.7	0.0	0.9	0.0	0.0	6.5	0.102	2,421	42	0.021	0	0.001	0	0	0.009
Pasco	4669	Hudson Water Works	Y	0.626	65.4	14.7	0.0	0.0	0.0	12.8	7.1	0.410	7,047	58	0.092	0	0	0	0.080	0.045
Pasco	4734	City of New Port Richey	Y	3.380	54.2	13.9	0.0	0.0	0.0	1.0	30.9	1.833	35,476	52	0.468	0	0	0	0.032	1.046
Pasco	6040	City of Zephyrhills	Y	2.294	56.4	33.0	0.0	6.9	0.0	1.6	2.2	1.294	27,824	46	0.756	0	0.158	0	0.038	0.050
Pasco	7999	FGUA Angus Valley	Y	0.136	89.5	0.2	0.0	0.0	0.0	0.4	9.9	0.122	2,007	61	0	0	0	0	0.001	0.013
Pasco	8417	FGUA Aloha Gardens	Y	0.393	77.1	13.0	0.0	0.0	0.0	0.2	9.7	0.303	7,959	38	0.051	0	0	0	0.001	0.038
Pasco	11863	Pasco Co Utilities	Y	31.882	70.4	11.6	0.0	3.6	0.0	1.1	13.3	22.436	297,290	75	3.695	0	1.148	0	0.351	4.251
Pasco County Totals				45.411	68.6	13.5	0.0	2.9	0.0	1.2	13.9	31.142	453,966	69	6.127	0	1.307	0	0.540	6.294
Pinellas	742	City of Tarpon Springs	Y	2.483	66.6	24.8	0.0	4.4	0.0	0.0	4.2	1.654	28,875	57	0.615	0	0.110	0	0.001	0.103
Pinellas	2980	City of Dunedin	Y	3.449	69.5	19.5	0.0	1.0	0.0	0.0	10.0	2.398	45,754	52	0.671	0	0.034	0	0.001	0.344
Pinellas	2981	City of Clearwater	Y	10.684	62.3	29.4	0.0	0.0	0.0	0.5	7.8	6.661	145,889	46	3.138	0	0	0	0.051	0.834
Pinellas	7692	Town of Belleair	Y	0.798	80.5	8.7	0.0	2.7	0.0	0.5	7.6	0.642	5,977	107	0.070	0	0.022	0	0.004	0.060
Pinellas	10795	City of Gulfport	Y	0.898	80.3	11.9	0.0	0.0	0.0	1.2	6.6	0.721	14,817	49	0.107	0	0	0	0.011	0.059
Pinellas	11218	City of Oldsmar	Y	1.437	62.2	26.7	0.0	0.0	0.0	3.6	7.5	0.894	17,397	51	0.384	0	0	0	0.052	0.108
Pinellas	11245	City of Safety Harbor	Y	1.302	100	0	0	0	0	0	0	1.302	15,183	86	0	0	0	0	0	0
Pinellas	12351	City of Pinellas Park	Y	4.743	69.6	25.2	0.0	0.0	0.0	0.8	4.4	3.303	69,665	47	1.194	0	0	0	0.039	0.207
Pinellas	20142	Pinellas County	Y	37.306	71.8	19.0	0.0	0.0	0.0	0.6	8.6	26.773	506,300	53	7.104	0	0	0	0.218	3.212
Pinellas	20143	City of St Petersburg	Y	25.867	62.5	24.3	0.0	0.4	0.0	0.0	12.8	16.169	351,801	46	6.292	0	0.096	0	0	3.309
Pinellas County Totals				88.968	68.0	22.0	0.0	0.3	0.0	0.4	9.3	60.518	1,201,658	50	19.575	0	0.262	0	0.375	8.237
Polk	341	City of Bartow	Y	2.900	58.7	26.6	0.0	5.0	0.0	0.3	9.5	1.701	25,751	66	0.772	0	0.145	0	0.008	0.274
Polk	645	City of Fort Meade	Y	0.572	62.7	23.2	0.0	0.0	0.0	0.2	14.0	0.359	5,720	63	0.132	0	0	0	0.001	0.080
Polk	1625	Four Lakes Golf Club	Y	0.418	42.4	0.0	0.0	2.2	55.4	0.9	-0.9	0.177	1,448	122	0	0	0.009	0.231	0.004	-0.004
Polk	2332	Town of Lake Hamilton	Y	0.299	48.3	21.8	0.0	0.0	0.0	0.5	29.5	0.144	1,997	72	0.065	0	0	0	0.001	0.088
Polk	3415	Orchid Springs Dev	Y	0.067	92.6	1.4	0.0	0.0	0.0	0.9	5.1	0.062	1,005	62	0.001	0	0	0	0.001	0.003
Polk	4005	Crooked Lake Park	Y	0.224	73.2	23.3	0.0	0.0	0.0	2.9	0.6	0.164	2,598	63	0.052	0	0	0	0.007	0.001
Polk	4607	City of Winter Haven	Y	9.804	63.2	29.0	0.0	0.8	0.0	1.1	5.9	6.199	84,440	73	2.846	0	0.077	0	0.109	0.574

2019 ESTIMATED WATER USE REPORT

Table A-2. 2019 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Polk	4658	City of Lake Wales	Y	2.606	62.7	13.8	0.0	21.3	0.0	0.0	2.2	1.634	22,414	73	0.360	0	0.554	0	0	0.058
Polk	4912	City of Lakeland	Y	21.531	62.1	26.8	0.0	2.0	0.1	0.1	8.8	13.372	183,547	73	5.780	0	0.439	0.026	0.018	1.896
Polk	5251	Grenelefe Resort	Y	1.090	40.8	0.4	0.0	0.1	43.3	0.9	14.6	0.445	2,712	164	0.005	0	0.001	0.472	0.010	0.159
Polk	5750	City of Davenport	Y	1.457	91.2	1.6	0.0	0.3	0.0	3.4	3.6	1.328	10,276	129	0.023	0	0.004	0	0.049	0.052
Polk	5868	Rainbow Resort	Y	0.125	86.6	12.1	0.0	0.0	0.0	1.3	0.0	0.108	989	109	0.015	0	0	0	0.002	0
Polk	5870	City of Frostproof	Y	0.355	47.6	31.6	0.5	5.1	0.0	3.7	11.6	0.169	3,616	47	0.112	0.002	0.018	0	0.013	0.041
Polk	5893	Town of Dundee	Y	0.650	75.3	11.8	0.0	1.5	0.0	2.1	9.3	0.489	6,029	81	0.077	0	0.010	0	0.013	0.061
Polk	6124	City of Mulberry	Y	0.389	56.3	34.1	0.0	0.0	0.0	2.2	7.5	0.219	4,769	46	0.133	0	0	0	0.008	0.029
Polk	6174	Saddlebag Lake	Y	0.081	110.0	0.0	0.0	0.0	0.0	0.0	-10.0	0.089	1,332	67	0	0	0	0	0	-0.008
Polk	6505	PCU - NWRUSA	Y	2.764	84.6	4.5	0.0	0.4	0.0	0.2	10.3	2.337	32,710	71	0.124	0	0.011	0	0.006	0.285
Polk	6506	PCU - SWRUSA	Y	3.262	88.8	3.3	0.0	0.5	0.0	0.8	6.7	2.896	43,965	66	0.106	0	0.015	0	0.025	0.220
Polk	6507	PCU - CRUSA	Y	1.090	80.3	8.3	0.0	1.0	0.0	0.8	9.6	0.875	14,660	60	0.091	0	0.011	0	0.009	0.105
Polk	6508	PCU - SERUSA	Y	0.640	35.3	50.7	0.0	0.4	0.0	0.5	13.0	0.226	5,357	42	0.325	0	0.003	0	0.003	0.083
Polk	6509	PCU - NERUSA	Y	7.898	82.9	7.6	0.0	0.4	0.0	5.5	3.6	6.545	85,100	77	0.602	0	0.029	0	0.437	0.286
Polk	6624	City of Lake Alfred	Y	0.955	82.1	10.9	0.0	1.8	0.0	0.0	5.2	0.784	8,460	93	0.104	0	0.018	0	0	0.049
Polk	6920	City of Eagle Lake	Y	0.331	77.9	10.0	0.0	2.2	0.0	0.8	9.1	0.258	4,106	63	0.033	0	0.007	0	0.003	0.030
Polk	7119	City of Auburndale	Y	5.508	49.6	34.1	0.0	10.5	0.0	0.3	5.5	2.734	30,458	90	1.880	0	0.578	0	0.014	0.302
Polk	7187	CHC Century Realty	Y	0.259	45.3	0.0	0.0	2.2	41.8	4.0	6.7	0.117	1,482	79	0	0	0.006	0.108	0.010	0.017
Polk	7328	Carefree RV	Y	0.108	60.7	0.0	0.0	0.0	39.3	0.0	0.0	0.066	979	67	0	0	0	0.042	0	0
Polk	7878	FGUA Aqua Utilities	Y	0.136	84.1	4.3	0.0	0.0	0.0	2.2	9.4	0.114	2,253	51	0.006	0	0	0	0.003	0.013
Polk	8054	Polk County Utilities	Y	0.463	69.2	2.1	0.0	0.0	0.0	21.3	7.4	0.320	6,627	48	0.010	0	0	0	0.099	0.034
Polk	8344	S V Utilities Ltd	Y	0.144	65.2	0.0	0.0	10.4	0.0	18.3	6.1	0.094	1,379	68	0	0	0.015	0	0.026	0.009
Polk	8468	City of Polk City	Y	0.346	66.6	7.4	0.0	0.0	0.0	0.3	25.6	0.231	7,450	31	0.026	0	0	0	0.001	0.089
Polk	8522	City of Haines City	Y	4.846	70.6	24.1	0.0	0.0	0.0	0.2	5.1	3.423	37,417	91	1.166	0	0	0	0.009	0.248
Polk	8967	Sweetwater Com	Y	0.121	52.6	0.0	0.0	0.0	47.4	0.0	0.0	0.064	698	91	0	0	0	0.057	0	0
Polk	10141	PCU - Ovation Facility		0.013	0.0	100	0.0	0.0	0.0	0.0	0.0	0	0	NA	0.013	0	0	0	0	0
Polk	12800	PCU - Jordan's Grove	Y	0.248	70.7	13.6	0.0	0.0	0.0	0.0	15.8	0.175	1,040	168	0.034	0	0	0	0	0.039
Polk	13043	Cypress Lakes Util.	Y	0.225	77.9	0.0	0.0	0.1	0.0	0.3	21.8	0.175	2,990	59	0	0	0	0	0.001	0.049

2019 ESTIMATED WATER USE REPORT

Table A-2. 2019 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Polk County Totals				71.925	66.9	20.7	0.0	2.7	1.3	1.2	7.2	48.092	645,774	74	14.892	0.002	1.949	0.937	0.889	5.164
Sarasota	2923	City of North Port	Y	3.355	61.8	11.1	0.0	0.0	0.0	1.8	25.3	2.075	56,756	37	0.373	0	0	0	0.060	0.847
Sarasota	4318, 10224, 10225	City of Sarasota	Y	6.264	60.5	34.6	0.0	0.2	0.0	0.8	6.6	3.792	84,549	45	2.167	0	0.012	0	0.051	0.416
Sarasota	4866	Englewood W. Dist.	Y	2.847	69.5	12.9	0.0	0.5	0.0	0.3	16.8	1.979	37,540	53	0.367	0	0.013	0	0.009	0.478
Sarasota	5393	City of Venice	Y	2.378	62.0	24.0	0.0	0.0	0.0	2.4	11.6	1.475	36,589	40	0.570	0	0	0	0.057	0.276
Sarasota	5807	Camelot Communities	Y	0.358	99.1	0.0	0.0	0.0	0.0	0.0	0.9	0.355	1,829	194	0	0	0	0	0	0.003
Sarasota	7448	Sun-N-Fun RV Resort	Y	0.132	89.0	0.0	0.0	11.0	0.0	0.0	0.0	0.117	1,339	87	0	0	0.014	0	0	0
Sarasota	8836	Sarasota County	Y	19.278	72.2	18.1	0.0	0.0	0.0	0.0	9.7	13.918	241,131	58	3.490	0	0	0	0	1.870
Sarasota County Totals				34.612	68.5	20.1	0.0	0.1	0.0	0.5	11.2	23.712	459,733	52	6.966	0	0.039	0	0.176	3.890
Sumter	1368	Lake Panasoffkee Water Assoc Inc	Y	0.266	79.4	19.0	0.0	0.0	0.0	0.0	1.6	0.211	4,053	52	0.051	0	0	0	0	0.004
Sumter	6519	City of Bushnell	Y	0.466	23.4	68.9	0.0	0.0	0.0	0.4	7.3	0.109	3,869	28	0.321	0	0	0	0.002	0.034
Sumter	7185	City of Webster	Y	0.085	43.3	29.8	0.0	0.0	0.0	0.0	26.8	0.037	856	43	0.025	0	0	0	0	0.023
Sumter	8135	City of Wildwood	Y	2.368	45.2	44.8	0.0	0.0	0.0	2.3	7.7	1.071	20,012	53	1.061	0	0	0	0.054	0.182
Sumter	8193	City of Center Hill	Y	0.065	81.0	5.6	0.0	0.0	0.0	4.5	8.9	0.053	1,170	45	0.004	0	0	0	0.003	0.006
Sumter	12584	Orange Blossom Utilities	Y	0.019	0.0	51.2	0.0	12.9	0.0	27.0	8.9	0	0	na	0.010	0	0.002	0	0.005	0.002
Sumter	13005	Village Center CDD	Y	20.353	80.2	3.8	0.0	11.7	0.0	1.1	3.2	16.333	89,679	182	0.772	0	2.375	0	0.219	0.655
Sumter	20597	Wildwood CCC	Y	0.129	87.1	0.0	0.0	0.0	0.0	3.9	9.4	0.112	1,598	70	0	0	0	0	0.005	0.012
Sumter	20721	South Sumter Utility	Y	0.186	26.6	7.7	0.0	0.0	0.0	64.0	1.8	0.049	1,835	27	0.014	0	0	0	0.119	0.003
Sumter County totals				23.937	75.1	9.4	0.0	9.9	0.0	1.7	3.8	17.975	123,071	146	2.257	0	2.377	0	0.407	0.921
Northern Planning Region				68.679	71.3	11.6	0.0	4.2	0.0	3.7	9.1	48.995	467,005	105	7.995	0.030	2.856	0	2.546	6.258
Tampa Bay Planning Region				282.748	68.1	20.7	0.0	0.9	0.1	0.5	9.7	192.604	3,105,449	62	58.424	0	2.488	0.208	1.461	27.564
Southern Planning Region				95.072	69.7	19.5	0.0	0.5	0.0	1.1	9.3	66.284	1,143,676	58	18.522	0	0.490	0	1.066	8.883
Heartland Planning Region				81.161	66.8	20.9	0.0	2.5	1.2	1.5	7.2	54.176	743,606	73	16.968	0.002	2.026	0.937	1.202	5.849
District Totals & Averages				527.660	68.6	19.3	0.0	1.5	0.2	1.2	9.2	362.059	5,459,736	66	101.909	0.032	7.860	1.145	6.274	48.555

2019 ESTIMATED WATER USE REPORT

Table A-2 NOTES:

The totals for Gross Use, Population Served, and Gross Per Capita listed in Table A-2 may not match those listed in Table A-1 because not all the same permittees are listed in Table A-2. Table A-2 excludes water supply authorities that only export water wholesale to other public supply utilities and may exclude new inactive permittees that have never submitted Part B of the PSAR form.

- 1 Gross Use is taken directly from Table A-1 and represents the total amount of water withdrawn plus imports minus exports and treatment loss.
- 2 Percent of water supplied that is used for residential purposes.
- 3 Percent of water supplied that is used by industrial/commercial customers.
- 4 Percent of water supplied that is used by agricultural customers.
- 5 Percent of water supplied that is used by landscape/recreation customers.
- 6 Percent of water supplied that is used by golf course irrigation customers.
- 7 Percent of water supplied that is used for firefighting, line flushing, and other accountable (F&O) purposes only.
- 8 Percent of water supplied that is considered lost or unaccounted for due to system leaks, illegal connections, etc.
- 9 Residential Use = (Gross Use) X (% Residential). This number represents the total amount of water that is used for residential purposes only.
- 10 Population Served is taken directly from Table A-1, column 11, and represents the served population for the permittee listed.
- 11 Residential per capita = (Residential Use) / (Population Served). Quantity represents the average quantity of water used per person per day for residential use.
- 12 I/C Use = The quantity of Public Supply Gross Use that was delivered to Industrial/Commercial customers.
- 13 AG Use = The quantity of Public Supply Gross Use that was delivered to Agricultural customers.
- 14 L/R Use = The quantity of Public Supply Gross Use that was delivered to Landscape/Recreation customers.
- 15 GC Use = The quantity of Public Supply Gross Use that was used for Golf Course irrigation.
- 16 F & O Use = The quantity of Public Supply Water that is used for Fire Supply and Other purposes.
- 17 WL (Water Loss) = (Gross Use) X (% WL). This number represents the amount of water that is lost or unaccounted for each day by the permittee listed.

2019 ESTIMATED WATER USE REPORT

Table A-3. This table shows the transfers of water between public supply permittees in the District, as well as to some communities outside of the District. The chart is sorted by the importing county and WUP (left side). Regional withdrawals by Tampa Bay Water are shown as imports to the authority's consolidated regional system.

Table A-3. 2019 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Charlotte	718	Gasparilla Island	0.006	Charlotte	7104	Charlotte County Utilities	0.006
Charlotte	871	City of Punta Gorda	0.517	DeSoto	10420	PRMRWSA	0.202
Charlotte	7104	Charlotte County Utilities	0	Sarasota	2923	City of North Port	0.013
Charlotte	7104	Charlotte County Utilities	10.460	DeSoto	10420	PRMRWSA	10.460
Charlotte	99913	El Jobean Water Association	0.067	Charlotte	7104	Charlotte County Utilities	0.067
Charlotte	99916	Riverwood Development, Inc.	0.261	Charlotte	7104	Charlotte County Utilities	0.261
Charlotte	NA	Little Gasparilla Water Utilities Inc	0.037	Charlotte	7104	Charlotte County Utilities	0.037
Charlotte	NA	Encore Super Park	0.038	Charlotte	7104	Charlotte County Utilities	0.038
Total Charlotte County Imports:			11.388	Total Exports to/within Charlotte County			11.086
Citrus	7121	Citrus County	0	Citrus	4406	Homosassa Special Water District	0.039
Citrus	207	City of Crystal River	0.016	Citrus	7121	Citrus County, Charles A Black Wellfield	0.015
Citrus	20230	Ozello Water Association, Inc.	0	Citrus	207	City of Crystal River	0.001
Citrus	NA	Forest Hills	0.016	Citrus	7121	Citrus County, Charles A Black Wellfield	0.016
Citrus	20230	Ozello Water Association, Inc.	0.389	Citrus	7121	Citrus County, Charles A Black Wellfield	0.382
Total Citrus County Imports:			0.421	Total Exports within Citrus County			0.454
DeSoto	10420	PRMRWSA	0	Charlotte	871	City of Punta Gorda	0.315
DeSoto	20457	DeSoto County Utilities	0.548	DeSoto	10420	PRMRWSA	0.548
DeSoto	4725	City of Arcadia	0.171	DeSoto	20457	DeSoto County Utilities	0.135
Total Desoto County Imports:			0.718	Total Exports to/within Desoto County			0.997
Hillsborough	1776	City of Plant City	0.014	Polk	4912	City of Lakeland	0.005
Hillsborough	20141	Hillsborough County Wholesale	0.066	Hillsborough	1776	City of Plant City	0.068
Hillsborough	20141	Hillsborough County Wholesale	1.357	Hillsborough	2062	City of Tampa	1.769
Hillsborough	20141	Hillsborough County Wholesale	65.763	Hillsborough	Multiple	Tampa Bay Water	65.763
Hillsborough	20141	Hillsborough County Wholesale	0.012	Hillsborough	450	City of Temple Terrace	0

2019 ESTIMATED WATER USE REPORT

Table A-3. 2019 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Hillsborough	2062	City of Tampa	0.002	Hillsborough	Multiple	Tampa Bay Water	0.002
Hillsborough	Multiple	Tampa Bay Water	0.045	Hillsborough	2062	City of Tampa	0.045
Total Hillsborough County Imports:			67.259	Total Exports to/within Hillsborough County			67.652
Levy	7755	Town of Yankeetown	0.001	Levy	8953	Town of Inglis	0.001
Total Levy County Imports:			5.042	Total Exports within Levy County			5.046
Manatee	6392	City of Bradenton	0.206	Manatee	13343	Manatee County Utilities	0.196
Manatee	10963	Town of Longboat Key	1.961	Manatee	13343	Manatee County Utilities	1.955
Manatee	12443	City of Palmetto	1.490	Manatee	13343	Manatee County Utilities	1.481
Manatee	13343	Manatee County Utilities	1.331	Manatee	7345	Mosaic LLC & Manatee County Utilities	1.331
Total Manatee County Imports:			4.988	Total Exports within Manatee County			4.963
Pasco	2978	FGUA Gulf Harbor (Lindrick)	0.025	Pasco	4734	City of New Port Richey (to Lindrick)	0.030
Pasco	3182	FGUA Seven Springs	0.227	Pasco	11863	Pasco County Utilities	0.227
Pasco	3677	FGUA Colonial Manor	0.086	Pasco	11863	Pasco County Utilities	0.086
Pasco	3692	City of Port Richey	0.010	Pasco	4734	City of New Port Richey	0.011
Pasco	4734	City of New Port Richey	4.940	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	4.940
Pasco	4734	City of New Port Richey	0.070	Pasco	TBW	Tampa Bay Water	0.070
Pasco	6223	Paradise Lakes Utilities	0.006	Pasco	11863	Pasco County Utilities	0.006
Pasco	7745	FGUA-Virginia City	0.001	Pasco	11863	Pasco County Utilities	0.001
Pasco	8417	FGUA Aloha Gardens	0.291	Pasco	11863	Pasco County Utilities	0.247
Pasco	11082	FGUA- American Condominium	0.0001	Pasco	11863	Pasco County Utilities	0.0001
Pasco	11473	Aripeka West Utility	0.008	Pasco	11863	Pasco County Utilities	0.008
Pasco	11863	Pasco County Utilities	29.646	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	29.646
Pasco	11863	Pasco County Utilities	0.017	Pasco	6040	City of Zephyrhills	0.019
Pasco	99906	Arbor Oaks	0.010	Pasco	11863	Pasco County Utilities	0.010
Pasco	999915	Orchid Lake Utility	0.032	Pasco	11863	Pasco County Utilities	0.032
Pasco	NA	FGUA- Palm Terrace	0.155	Pasco	11863	Pasco County Utilities	0.155

2019 ESTIMATED WATER USE REPORT

Table A-3. 2019 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Pasco	TBW	Tampa Bay Water	1.980	Pasco	4734	City of New Port Richey	1.980
Total Pasco County Imports:			37.503	Total Exports to/within Pasco County			37.467
Pinellas	742	City of Tarpon Springs	0.006	Pinellas	20142	Pinellas County Utilities	0.006
Pinellas	2981	City of Clearwater	4.160	Pinellas	20142	Pinellas County Utilities	4.172
Pinellas	7692	Town of Belleair	0.003	Pinellas	20142	Pinellas County Utilities	0.003
Pinellas	10795	City of Gulfport	0.898	Pinellas	20143	City of St. Petersburg	1.077
Pinellas	11218	City of Oldsmar	0.004	Pinellas	20142	Pinellas County Utilities	0.004
Pinellas	11245	City of Safety Harbor	1.302	Pinellas	20142	Pinellas County Utilities	1.279
Pinellas	12351	City of Pinellas Park	4.743	Pinellas	20142	Pinellas County Utilities	4.788
Pinellas	20142	Pinellas County Utilities	48.626	Pasco, Hillsborough, Pinellas	Consolidated	Tampa Bay Water	48.626
Pinellas	20143	City of St. Petersburg	27.444	Pasco, Hillsborough, Pinellas	Consolidated	Tampa Bay Water	27.444
Pinellas	NA	FGUA	0.071	Pinellas	742	City of Tarpon Springs	0.071
Total Pinellas County Imports:			87.256	Total Exports to/within Pinellas County			87.470
Polk	3415	Orchid Springs Development Corp.	0.005	Polk	4607	City of Winter Haven	0.0001
Polk	4658	City of Lake Wales	0.0003	Polk	4607	City of Winter Haven	0.0001
Polk	4658	City of Lake Wales	0.003	Polk	6508	Polk County	0
Polk	3324	City of Lake Alfred	0	Polk	4607	City of Winter Haven	0.0001
Polk	6505	Polk County Utilities	0.151	Polk	4912	City of Lakeland	0.151
Polk	6506	Polk County Utilities	0.051	Polk	4912	City of Lakeland	0.056
Polk	6509	Polk County Utilities-NERUSA	0.001	Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.001
Polk	6509	Polk County Utilities-NERUSA	2.200	Polk	53-00126-W	Polk County Utilities (SFWMD)	2.200
Polk	10141	Ovation Utility Service Area	0.013	Polk	6509	Polk County Utilities-NERUSA	0.013
Polk	12800	Jordan's Grove Development	0.106	Polk	6509	Polk County Utilities-NERUSA	0.142
Osceola	49-00103-W	Toho Water Authority (SFWMD)	0	Polk	6509	Polk County Utilities-NERUSA	0.00003
Polk	7878	FGUA - Village Water Industrial Park	0	Polk	4912	City of Lakeland	0.065

2019 ESTIMATED WATER USE REPORT

Table A-3. 2019 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Polk	4658	City of Lake Wales	0.003	Polk	8054/6508	Polk Co Bocc	0.008
Polk	3508	Polk County	0.001	Polk	4658	City of Lake Wales	0.001
Total Polk County Imports:			2.535	Total Exports to/within Polk County			2.638
Sarasota	2923	City of North Port	2.002	DeSoto	10420	PRMRWSA	1.928
Sarasota	2923	City of North Port	0.022	Sarasota	8836/12926	Sarasota County Utilities	0.020
Sarasota	99914	Pluris/Southgate Utilities	0.805	Sarasota	8836/12926	Sarasota County Utilities	0.805
Sarasota	8836/12926	Sarasota County Utilities	4.712	Manatee	13343/7345	Manatee County Utilities	4.712
Sarasota	8836/12926	Sarasota County Utilities	13.237	DeSoto	10420	PRMRWSA	13.237
Sarasota	PWS-6084079	Bocilla Utilities	0.127	Sarasota	4866	Englewood Water District	0.127
Total Sarasota County Imports:			20.905	Total Exports to/within Sarasota County			20.829
Total District Imports:			233.034	Total District Exports:			233.637

Data Source: Public Supply Annual Reports.

Notes: Some discrepancies occur between imports and exports reported by separate utilities. Discrepancies can be caused by transfer water losses, comparative meter accuracy, unresolved reporting errors, only one permittee reporting the transfer, or other reasons. Quantities exported by regional water supply authorities may be blended from multiple sources, so their withdrawals were considered imports to a generalized regional system, and exports from the regional system. Some discrepancies also occur in summations due to rounding of raw data.

2019 ESTIMATED WATER USE REPORT

Table A-4. 2019 Metered + Estimated Public Supply Monthly Average Withdrawals (mgd/month) by County

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	7.420	6.175	5.919	7.080	8.130	7.229	7.192	8.235	8.526	8.502	2.762	13.637
Citrus	12.657	13.298	15.503	15.685	17.196	14.625	13.163	13.331	16.091	15.073	13.954	12.869
Desoto	32.489	1.874	0.865	1.990	0.923	0.877	44.721	52.318	43.289	38.674	47.116	33.134
Hardee	1.207	1.509	1.471	1.451	1.466	1.331	1.304	1.326	1.347	1.397	1.371	1.378
Hernando	17.074	17.787	19.422	19.395	21.176	19.093	17.553	17.308	20.470	19.378	17.624	16.830
*Highlands	9.040	8.753	8.542	8.398	9.085	8.471	8.042	7.824	8.420	8.566	8.821	8.366
Hillsborough	194.810	198.086	206.862	196.267	191.434	198.896	231.873	244.603	237.859	225.583	218.136	200.889
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.696	0.718	0.727	0.733	0.793	0.791	0.685	0.882	1.015	0.758	0.729	0.684
Manatee	48.878	50.876	52.253	51.097	51.381	49.773	45.706	44.110	48.364	50.041	49.560	49.117
*Marion	8.736	9.709	11.702	11.624	14.235	11.941	10.577	10.333	12.787	11.732	10.569	9.426
Pasco	53.003	55.293	54.125	55.670	64.820	65.568	58.982	58.707	56.434	62.013	62.069	54.470
Pinellas	22.846	22.511	26.589	25.197	31.202	29.043	28.314	25.509	27.016	25.897	26.394	25.562
*Polk	66.124	66.972	71.693	73.838	82.019	74.574	69.841	63.110	75.255	74.888	73.304	67.452
Sarasota	23.820	24.707	22.446	24.399	23.324	25.308	22.095	19.062	20.036	35.700	22.439	22.513
Sumter	11.413	12.017	15.385	14.525	20.990	17.372	11.744	10.462	13.131	14.118	13.963	12.956
District Total	510.213	490.286	513.504	507.348	538.174	524.892	571.792	577.120	590.040	592.320	568.811	529.283
Groundwater	309.630	325.340	342.520	348.738	383.103	363.714	328.086	312.648	346.377	347.210	337.955	310.519
Surface Water	200.583	164.946	170.984	158.610	155.071	161.178	243.706	264.472	243.663	245.110	230.856	218.764

* Data is only from the portion of the county within the District.

Data source: Estimated Water Use Tables derived from the WMIS database.

The average of monthly withdrawal totals may vary from PSAR-based withdrawal estimates that are reported annually. The WMIS records for TBW Consolidated Wellfield (WUP 11771) were manually adjusted so specific well withdrawals are represented in the county where they occurred. Seawater desalination and stormwater uses were excluded.

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Charlotte	2588	Kelly Family Holdings LLC	R320	G	0.227	1.044	0.178
Charlotte	3523	Twin Isles Country Club	R250	G	0	0.256	0.256
Charlotte	6709	Port Charlotte Golf Course, LLC	R250	S	0	0.060	0.060
Charlotte	7602	St. Andrews South Golf Club, Inc	R250	G	0.055	0.144	0.144
Charlotte	7815	Deep Creek Golf, Inc	R250	G	0.012	0.195	0.195
Charlotte	9223	Kingsgate Associates II, Ltd	R250	G	0.039	0.145	0.145
Charlotte	9335	Rotonda Golf Partners II LLC	R250	S	0.019	0.190	0.190
Charlotte	9798	Rotonda Golf Partners, LLC	R250	S	0	0.028	0.028
Charlotte	10006	Seminole Lakes Inc	R250	G	0.081	0.142	0.142
Charlotte	10169	CH3-Riverwood Golf Club LLC	R250	S	0.222	0.247	0.247
Charlotte	10932	Rotonda Golf Partners II LLC	R250	S	0.030	0.237	0.237
Charlotte	10959	Philip von Kahle, Curator	R240	G	0	0.203	0.068
Charlotte	11687	Rotonda Golf Partners II LLC	R250	S	0.115	0.078	0.078
Charlotte	11688	Rotonda Golf Partners II LLC	R250	S	0.091	0.210	0.210
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	G	0.020	0.080	0.080
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	S	0.006	0.080	0.080
Charlotte	11997	Ccc Dr LLC	R250	S	0.013	0.184	0.184
Charlotte	12309	Charlotte County Community Services Department	R245	G	0.002	0.029	0.029
Charlotte	12335	Rotonda Golf Partners II LLC	R250	S	0.225	0.229	0.229
Charlotte	12543	Charlotte Co BOCC	R245	G	0.012	0.090	0.090
Charlotte	12907	River Club of Port Charlotte HOA	R240	G	0.134	0.114	0.114
Charlotte	20378	Waterford Est. Community Association, Inc	R240	G	0.050	0.098	0.098
Charlotte	20378	Waterford Est. Community Association, Inc	R240	S	0.027	0.098	0.098
Charlotte	20694	Lennar Homes, LLC	R240	G	0.003	0.057	0.057
Charlotte County Totals					1.381	Metered, mgd	
					0.469	Estimated, mgd, 21 WUPs	
					1.850	Total, mgd	

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Citrus	419	City of Inverness	R245	G	0.016	1.535	0.025
Citrus	2851	7 Rivers, LLC	R250	G	0.006	0.214	0.214
Citrus	2851	7 Rivers, LLC	R250	S	0	0.214	0.214
Citrus	3228	Citrus Hills Investment Prop LLC	R250	G	0.354	0.610	0.610
Citrus	3673	Suntacc and Company, Inc.	R250	G	0.211	0.065	0.065
Citrus	7805	Hampton Hills, LLC	R250	G	0.775	1.148	1.148
Citrus	8785	Escalanta-Black Diamond Golf Club LLC	R250	G	0.345	0.557	0.557
Citrus	8785	Escalanta-Black Diamond Golf Club LLC	R250	S	0	0.557	0.557
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	G	0.012	0.273	0.273
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	S	0.132	0.273	0.273
Citrus	8997	Inverness Golf & Country Club	R250	G	0.061	0.066	0.066
Citrus	9964	Pine Ridge Golf Club, LLC	R250	G	0.275	0.224	0.224
Citrus	10260	Brassboys Enterprises Inc	R250	G	0.101	0.207	0.207
Citrus	10404	Flovicc & Company, Inc.	R250	G	0.230	0.262	0.262
Citrus	13103	Deltona Corporation	R250	G	0	0.218	0.218
Citrus County Totals					2.518	Metered, mgd	
					0.471	Estimated, mgd, 18 WUPs	
					2.989	Total, mgd	
DeSoto	2746	Sunnybreeze Palms Golf Course, Inc	R250	G	0.012	0.199	0.199
DeSoto	6697	Point Charlotte, LLC	R250	G	0	0.046	0.046
DeSoto	11261	Peace River Development Corp	R406	G	0	0.665	0.020
DeSoto	20747	City of Arcadia	R250	G	0.048	0.065	0.065
DeSoto County Totals					0.061	Metered, mgd	
					0.065	Estimated, mgd, 7 WUPs	
					0.126	Total, mgd	

This space is intentionally blank.

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Hardee	11858	FINR II, Inc	R240	G	0	0.431	0.009
Hardee County Totals					0	Metered, mgd	
					0.142	Estimated, mgd, 11 WUPs	
					0.142	Total, mgd	
Hernando	368	7406 St. Andrews Blvd, LLC	R250	G	0.048	0.060	0.060
Hernando	2982	Brookridge Country Club Assoc, Inc	R250	G	0.232	0.273	0.273
Hernando	3726	High Point Golf Club, Inc	R250	G	0.078	0.149	0.149
Hernando	4893	FDEP and SWFWMD	R310	G	0.013	0.136	0.136
Hernando	6873	BCC, LLC	R250	G	0.125	0.207	0.207
Hernando	8124	Oak Hills Golf Club, LLC	R250	G	0.078	0.300	0.300
Hernando	8639	Timber Pines Community Assoc, Inc	R250	G	0.030	0.059	0.059
Hernando	8833	New Seville 2011 Dev LLC	R250	G	0	0.338	0.338
Hernando	9344	Glen Lakes Partnership Ltd	R250	G	0.221	0.204	0.204
Hernando	10199	Triple Eagle Group Inc	R250	G	0.169	0.305	0.305
Hernando	10760	Rivard Golf Club, LLC	R250	G	0.022	0.194	0.194
Hernando	11059	Glen Lakes Partnership Ltd	R240	G	0.323	0.401	0.401
Hernando	12545	Southern Hills Irrigation Services LLC	R250	G	0	0.098	0.098
Hernando	13279	World Woods Corp	R250	G	0.721	0.735	0.735
Hernando County Totals					2.061	Metered, mgd	
					0.991	Estimated, mgd, 26 WUPs	
					3.052	Total, mgd	
Highlands	4637	Harder Hall Golf Club, LLC	R250	G	0.107	0.153	0.153
Highlands	4708	Sun'N Lake of Sebring Improvement District	R250	G	0.516	0.584	0.584
Highlands	5107	City of Sebring	R250	G	0.088	0.130	0.130
Highlands	5646	Pincrest On Lotela Inc	R250	G	0.209	0.200	0.200
Highlands	5907	Lake Rachard, LLC	R240	G	0	0.054	0.054
Highlands	6498	River Greens South Golf Course, Inc	R250	G	0.169	0.196	0.196

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Highlands	7811	Mink Associates I LLC	R250	G	0.129	0.142	0.142
Highlands	8327	Laman Land Development LLC	R250	G	0.127	0.225	0.225
Highlands	9626	J & P Golf Properties LLC	R250	G	0.069	0.329	0.329
Highlands	12265	CCS Golf Club Inc	R250	G	0.186	0.224	0.224
Highlands County Totals					1.600	Metered, mgd	
					0.353	Estimated, mgd, 32 WUPs	
					1.953	Total, mgd	
Hillsborough	192	Gracepoint Plant City	R240	G	0	0.018	0.003
Hillsborough	254	301 Cypress Creek LLC	R240	G	0.040	0.120	0.120
Hillsborough	620	Nittany Trails LLC	R250	G	0.122	0.287	0.287
Hillsborough	689	Hillsborough County School Board	R245	G	0.036	0.150	0.064
Hillsborough	707	Clublink US Corporation	R250	G	0	0.119	0.119
Hillsborough	985	Diehl Family LP	R240	G	0	2.725	0.001
Hillsborough	1098	Garden of Memories, Inc	R230	G	0.418	0.506	0.506
Hillsborough	1532	Mosaic Fertilizer, LLC	R310	G	0	5.985	0.015
Hillsborough	1532	Mosaic Fertilizer, LLC	R310	S	0.007	5.985	0.015
Hillsborough	1640	Bahia Lakes CDD	R240	G	0.020	0.025	0.025
Hillsborough	1854	Panther Trails CDD	R240	G	0.010	0.005	0.005
Hillsborough	1857	Hillsborough County School Board	R240	G	0.005	0.082	0.082
Hillsborough	1946	Hillsborough County Associates II LLLP	R240	G	0.044	0.472	0.472
Hillsborough	1946	Hillsborough County Associates II LLLP	R240	S	0	0.472	0.472
Hillsborough	1960	University of South Florida	R245	G	0.734	2.364	0.934
Hillsborough	1960	University of South Florida	R245	S	0.005	2.364	0.934
Hillsborough	2320	SeaWorld Parks & Ent LLC	R300	G	1.326	1.810	1.810
Hillsborough	2639	Concert Carrollwood LLC	R250	G	0	0.089	0.089
Hillsborough	3024	Martin and Marilyn Bearss	R220	G	0	0.426	0.426
Hillsborough	3582	City of Temple Terrace	R250	G	0.195	0.256	0.256

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Hillsborough	3745	NNP IV-Lake Hutto, LLC	R240	G	0.109	0.120	0.120
Hillsborough	4526	Hillsborough County Aviation Authority	R240	G	0.002	0.050	0.050
Hillsborough	4549	Lake Charles Improvement Association	R220	G	0	0.290	0.290
Hillsborough	4874	Avila Golf and Country Club	R250	G	0.074	0.346	0.346
Hillsborough	6091	Caloosa Golf & Country Club Inc	R250	G	0.023	0.332	0.332
Hillsborough	6092	Clublink US Corporation	R250	G	0.890	1.240	1.240
Hillsborough	6092	Clublink US Corporation	R250	S	0	1.240	1.240
Hillsborough	6100	City Of Tampa	R250	G	0.077	0.181	0.179
Hillsborough	6101	Tampa Sports Authority & City of Tampa	R250	G	0.051	0.152	0.152
Hillsborough	6217	Palma Ceia Golf & Country Club, Inc	R250	G	0.224	0.211	0.211
Hillsborough	7586	Dover RE Holdings, LLC	R415	G	0	0.106	0.035
Hillsborough	7637	Riverside Golf Course Community LLC	R250	G	0.159	0.514	0.223
Hillsborough	7774	Lake Carlton Arms Partnership	R244	G	0.126	0.270	0.270
Hillsborough	7883	Tampa Palms Community Dev Dist	R244	G	0.116	0.313	0.313
Hillsborough	8126	Brighton Golf Partners, LLC	R250	G	0.012	0.211	0.211
Hillsborough	8641	Old Memorial Club, Inc	R250	G	0.062	0.083	0.083
Hillsborough	8673	Belmont Real Estate LLC	R240	G	0.073	0.133	0.133
Hillsborough	8710	Hillsborough County School Board	R245	G	0.333	0.039	0.032
Hillsborough	8931	TC Venture 1, LLC	R240	G	0.068	0.314	0.314
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	R240	G	0	0.027	0.001
Hillsborough	9042	Arbor Greene Community Development District	R240	G	0.008	0.066	0.066
Hillsborough	9137	River Hills Golf, LLC	R244	G	0.002	0.200	0.200
Hillsborough	9260	Northdale Golf, LLC	R250	G	0.002	0.064	0.064
Hillsborough	9487	Tampa Palms Club, Inc	R250	G	0.045	0.100	0.100
Hillsborough	9527	Cheval Golf Club LLC	R250	G	0.021	0.082	0.082
Hillsborough	9875	Grace Community Church of Brandon, Inc	R240	G	0	0.047	0.006
Hillsborough	10161	Lowry Park Zoological Society of Tampa, Inc.	R407	G	0.099	0.301	0.301

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Hillsborough	10398	Rivercrest Community Development District	R240	G	0.082	0.115	0.115
Hillsborough	10516	Hillsborough County BOCC	R290	G	0	0.103	0.103
Hillsborough	10724	DF Cypress Creek Properties LLC	R250	G	0	0.257	0.257
Hillsborough	10819	Arc Sun City Golf Course Inc	R250	G	0	0.079	0.079
Hillsborough	10819	Arc Sun City Golf Course Inc	R250	S	0	0.079	0.079
Hillsborough	11086	Robyn Smith	R220	G	0	0.060	0.060
Hillsborough	11157	Harbor Bay Community Development District	R240	G	0.093	0.090	0.090
Hillsborough	11194	Heritage Golf Tampa Bay LLC	R250	G	0.124	0.323	0.323
Hillsborough	11425	Round Lake Association Inc and John and Christine Romer	R220	G	0.005	0.215	0.215
Hillsborough	11428	Hunters Green Acquisition Corp	R250	G	0.045	0.324	0.324
Hillsborough	11429	Hunter's Green Community Association Inc	R240	G	0.004	0.274	0.274
Hillsborough	11540	Heritage Isles CDD	R250	G	0.099	0.253	0.253
Hillsborough	11830	Tampa Bay Downs, Inc	R300	G	0.034	0.156	0.156
Hillsborough	12024	City of Tampa	R250	G	0.022	0.323	0.323
Hillsborough	12957	NHC-FL8 LP	R250	G	0.048	0.321	0.261
Hillsborough	12967	Southshore Falls HOA, Inc	R240	G	0.093	0.172	0.172
Hillsborough	13356	South Shore Corporate Park Industrial CDD	R240	G	0	0.110	0.110
Hillsborough	13356	South Shore Corporate Park Industrial CDD	R240	S	0.028	0.110	0.110
Hillsborough	20382	City of Tampa	R220	S	0.008	1.743	1.743
Hillsborough	20660	Sun City Center Community Association, Inc.	R244	G	0	0.022	0.022
Hillsborough	20662	Lennar Homes, LLC	R240	G	0.035	0.108	0.108
Hillsborough	20663	Sun City Center West Master Assoc., Inc.	R240	G	0.419	0.573	0.573
Hillsborough	20701	Hillsborough County Associates IV, LLLP	R240	G	0.187	0.183	0.183
Hillsborough	20705	Panther Trace I CDD	R240	G	0.062	0.056	0.056
Hillsborough	20706	Panther Trace II CDD	R240	G	0.051	0.056	0.056

This space is intentionally blank.

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Hillsborough County Totals					6.979	Metered, mgd	
					1.719	Estimated, mgd, 124 WUPs	
					8.698	Total, mgd	
Lake County Totals		There were no landscape/recreation permittees in Lake County					
Levy	6586	B&G Family Partnership LLLP	R406	G	0	0.654	0.012
Levy County Totals					0	Metered, mgd	
					0.133	Estimated, mgd, 5 WUPs	
					0.133	Total, mgd	
Manatee	503	J.T. Reeder Partners, LLLP	R240	G	0	0.875	0.004
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	R240	G	0.165	0.459	0.216
Manatee	3824	Willow Lane Holdings, LLC	R240	G	0.044	0.293	0.293
Manatee	4443	Aquaterra Utilities, Inc	R240	G	0.586	0.600	0.600
Manatee	4507	Greenfield Golf LLC	R250	G	0.209	0.311	0.311
Manatee	4645	Harrison Ranch CDD	R240	G	0	0.051	0.051
Manatee	4729	School Board of Manatee County	R240	G	0	0.092	0.089
Manatee	5444	Manatee County School District	R245	G	0.016	0.271	0.027
Manatee	5592	River Plantation HOA, Inc	R240	G	0.107	0.122	0.122
Manatee	5617	Medallion Homes	R240	G	0	0.332	0.216
Manatee	5656	Waterlefe CDD	R250	G	0.156	0.262	0.262
Manatee	6293	Palm Aire Country Club	R250	G	0.345	0.399	0.399
Manatee	6590	Copperstone Townhome HOA, Inc	R240	G	0.037	0.071	0.071
Manatee	7235	Gamble Creek LC & Manatee Co & Twin Rivers II LC	R240	G	0	0.231	0.231
Manatee	7632	Cascades at Sarasota Res Assoc, Inc	R240	G	0.125	0.157	0.157
Manatee	7651	City of Bradenton	R250	G	0	0.192	0.192
Manatee	7846	Schroeder-Manatee Ranch Inc (Multi-County w Sarasota)	R240	G	4.430	18.238	14.868
Manatee	7846	Schroeder-Manatee Ranch Inc (Multi-County w Sarasota)	R240	S	0	18.238	14.868
Manatee	8012	Sara Bay Country Club, Inc	R250	G	0.005	0.152	0.152

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Manatee	8012	Sara Bay Country Club, Inc	R250	S	0.251	0.152	0.152
Manatee	8508	Peridia Property Owners Assoc Inc	R250	G	0.095	0.118	0.118
Manatee	8965	River Club Golf, LLC	R250	G	0.150	0.200	0.200
Manatee	9379	Tara Golf & Country Club	R250	G	0.148	0.262	0.262
Manatee	9808	Woolridge Investment, LLC	R250	G	0.322	0.484	0.484
Manatee	10033	MML LI, LLC	R250	G	0	0.186	0.186
Manatee	10033	MML LI, LLC	R250	S	0	0.186	0.186
Manatee	10257	Trevesta Irrigation, LLC	R240	S	0.095	0.204	0.204
Manatee	10450	The River Wilderness Club, Inc	R250	G	0.061	0.330	0.330
Manatee	11881	Preserve Golf LLC	R250	G	0.194	0.258	0.258
Manatee	12290	Lakeridge Falls Community Association, Inc	R240	G	0.159	0.133	0.133
Manatee	12613	Lakewood Ranch Country Club-West Community Assoc, Inc	R240	G	0.157	0.174	0.174
Manatee	12630	The Concession Golf Club, LLC	R250	G	0.161	0.230	0.230
Manatee	12632	WR-I Associates, Ltd	R240	S	0.025	0.086	0.086
Manatee	12900	Minto Bradenton, LLC	R240	G	0.159	0.131	0.131
Manatee	13035	Oakleaf Hammock HOA, Inc	R240	G	0.182	0.204	0.204
Manatee	20088	IMG Academy, LLC	R245	G	0	0.291	0.291
Manatee	20269	Upper Manatee 288, LLC	R240	G	0	0.195	0.195
Manatee	20498	The Concession Community Association, Inc	R244	G	0.026	0.093	0.093
Manatee County Totals					8.417	Metered, mgd	
					1.534	Estimated, mgd, 120 WUPs	
					9.951	Total, mgd	
Marion	2697	Charlotte Weber	R240	G	0.011	1.028	0.180
Marion	5642	Four Seasons Golf, LLC	R250	G	0.155	0.271	0.271
Marion	6674	RLR Investments, LLC	R250	G	0.139	0.265	0.265
Marion	7178	Development & Construction Corp Of America	R250	G	0.049	0.614	0.614
Marion	10266	Pulte Home Company, LLC	R250	G	0.216	0.382	0.382

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Marion	10266	Pulte Home Company, LLC	R250	S	0	0.382	0.382
Marion	11475	Arbor Springs Development, LLC	R240	G	0.012	0.106	0.033
Marion	12843	Vikings, LLC	R250	G	0.256	0.304	0.304
Marion	12911	The Club at Ocala Preserve LLC	R250	G	0.152	0.223	0.150
Marion	12966	Stone Creek Community Assoc	R240	G	0.125	0.313	0.313
Marion	12993	Summerglen Owners' Assoc, Inc	R250	G	0.336	0.354	0.354
Marion	20120	Rainbow Springs Club, LLC	R250	G	0	0.192	0.192
Marion	20121	Rainbow's End Golf Club, Inc	R250	G	0.092	0.108	0.108
Marion	20173	Sidney Colen and Associates LTD	R250	G	0.329	0.522	0.522
Marion County Totals					1.871	Metered, mgd	
					0.729	Estimated, mgd, 31 WUPs	
					2.600	Total, mgd	
Pasco	347	Pasco Investment Land, LLC	R240	G	0.042	0.419	0.419
Pasco	2479	Wiregrass Ranch Inc	R240	G	0	0.535	0.535
Pasco	3389	Ace Cheval, Inc	R250	G	0.023	0.077	0.077
Pasco	3389	Ace Cheval, Inc	R250	S	0	0.077	0.077
Pasco	4649	Pinellas County Utilities Dept.	R220	G	0.153	0.800	0.800
Pasco	6113	Saddlebrook Resorts, Inc	R250	G	0.144	0.613	0.613
Pasco	6113	Saddlebrook Resorts, Inc	R250	S	0.052	0.613	0.613
Pasco	6129	Florida Fish & Wildlife Conservation Commission	R407	G	0	0.269	0.269
Pasco	7672	Pasco Golf Associates, Inc	R250	G	0.155	0.215	0.215
Pasco	7733	The Links Of Lake Bernadette, Inc	R250	G	0.083	0.201	0.201
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	G	0.128	0.219	0.219
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	S	0.165	0.219	0.219
Pasco	8892	Sun TRS Southport Springs LLC	R250	G	0.171	0.180	0.180
Pasco	9525	Lowman Links Inc	R250	G	0	0.047	0.047
Pasco	9967	Pasco Office Park LLC	R250	G	0	0.352	0.352

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Pasco	10039	Fox Hollow Golf, LLC	R250	G	0.075	0.175	0.175
Pasco	10366	Seven Springs Golf & Country Club, Inc	R250	G	0.003	0.133	0.133
Pasco	10870	Betmar Acres Club, Inc.	R250	G	0.127	0.155	0.155
Pasco	11558	Pinellas County Utilities Dept.	R220	G	0.680	1.343	1.343
Pasco	11589	Lex-Oaks Golf 54 LLC	R250	G	0	0.183	0.183
Pasco	11650	Heritage Pines Community Assoc Inc	R250	G	0.004	0.067	0.067
Pasco	11773	Little Everglades Ranch Inc	R245	G	0.026	0.257	0.153
Pasco	11773	Little Everglades Ranch Inc	R245	S	0	0.257	0.153
Pasco	11774	Sunden Tampa, LLC	R250	G	0.389	0.640	0.640
Pasco	11898	Pasco County School Board	R240	G	0.043	0.094	0.094
Pasco	11913	Heritage Springs Comm Assoc, Inc	R250	G	0.003	0.429	0.368
Pasco	12044	The Groves CDD	R250	G	0	0.184	0.184
Pasco	12346	La Hacienda Del Cielo LLC	R240	G	0	0.164	0.010
Pasco	12784	Order of Saint Benedict of Florida	R250	G	0.036	0.143	0.131
Pasco	13247	Hometown Highlands Florida LLC	R250	G	0.001	0.260	0.260
Pasco County Totals					2.502	Metered, mgd	
					0.719	Estimated, mgd, 38 WUPs	
					3.221	Total, mgd	
Pinellas	288	Countryside Country Club, Inc	R250	G	0	0.075	0.075
Pinellas	334	Pelican Golf, LLC	R250	G	0	0.262	0.262
Pinellas	339	City of Clearwater	R250	G	0	0.035	0.035
Pinellas	708	Belleview Biltmore Country Club	R250	G	0.026	0.100	0.100
Pinellas	1155	Salamander Innisbrook LLC	R240	G	0.006	0.174	0.174
Pinellas	2731	City of Largo, Largo Golf Course	R250	G	0.027	0.045	0.045
Pinellas	3707	Bayou Golf, LLC	R250	G	0.583	0.512	0.512
Pinellas	5236	Florin Golf Investors, LLC	R250	S	0	0.038	0.038
Pinellas	6701	Cypress Run of Florida LLC	R250	G	0.135	0.215	0.215

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	G	0	0.192	0.129
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	S	0	0.192	0.129
Pinellas	7437	Clubcorp Golf Of Florida LLC	R250	G	0.020	1.300	1.300
Pinellas	7437	Clubcorp Golf Of Florida LLC	R250	S	0.670	1.300	1.300
Pinellas	8142	Sylvan Abbey Memorial Park	R230	G	0.170	0.157	0.157
Pinellas	8959	Homeowners Assoc of Highland Lakes, Inc	R250	G	0	0.081	0.081
Pinellas	9065	Lansbrook Master Assoc, Inc	R240	G	0.002	0.268	0.268
Pinellas	9065	Lansbrook Master Assoc, Inc	R240	S	0.179	0.268	0.268
Pinellas	9551	Ace Wentworth, Inc.	R250	G	0.058	0.191	0.191
Pinellas	9670	Ace Crescent Oaks, Inc	R250	G	0.294	0.286	0.286
Pinellas	10318	Homeowners of Palm Hill Inc.	R244	G	0.096	0.149	0.149
Pinellas	10646	Olympia Invest. Group LLC and SHS Resort LLC	R412	G	0.005	0.040	0.004
Pinellas	10694	TTGC, LLC	R250	G	0	0.153	0.153
Pinellas	10732	Lansbrook Golf, LLC	R250	G	0.004	0.323	0.323
Pinellas	10882	Pinellas County	R245	S	0.003	0.034	0.034
Pinellas	11816	Clearwater Golf Assoc Inc	R250	G	0.090	0.152	0.152
Pinellas County Totals					2.369	Metered, mgd	
					0.896	Estimated, mgd, 35 WUPs	
					3.265	Total, mgd	
Polk	143	Mountain Lake Corp	R220	G	3.107	3.294	2.565
Polk	1247	D Course Development, LLC	R250	G	0.334	0.255	0.255
Polk	1625	Four Lakes Golf Club Ltd	R250	G	0.132	0.406	0.160
Polk	3150	Kc Industries LLC & Kc Industries Properties LLC	R290	G	0	0.192	0.050
Polk	4403	Huntington Hills Golf & Country Club, Inc	R250	G	0.169	0.267	0.267
Polk	4658	City of Lake Wales	R245	G	0.012	3.903	0.018
Polk	4698	Bok Tower Gardens Foundation Inc	R260	G	0.262	0.204	0.204
Polk	5251	Grenelefe Resort Utility, Inc	R250	G	0.537	0.963	0.486

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Polk	5524	Highland Florida Golf Resort Land Trust	R250	G	0.145	0.135	0.135
Polk	5868	Sun Rainbow RV, LLC	R411	G	0	0.137	0
Polk	6128	Country Club of Lake Wales, Inc	R250	G	0.161	0.313	0.307
Polk	6155	4 Seasons Golf Resort, LLC	R250	G	0	0.166	0.166
Polk	6155	4 Seasons Golf Resort, LLC	R250	S	0	0.166	0.166
Polk	7187	CHC VII LTD Century Realty Fund	R250	G	0.100	0.429	0.173
Polk	7328	Carefree Rv Country Club Of Winter Haven Inc	R250	G	0.043	0.131	0.052
Polk	7489	Merlin Entertainment Group Florida LLC	R240	G	0.051	0.254	0.254
Polk	7489	Merlin Entertainment Group Florida LLC	R240	S	0	0.254	0.254
Polk	8464	Deer Creek RV Golf & Country Club, Inc	R250	G	0.179	0.192	0.192
Polk	8466	Floral Lakes Homeowners Association, Inc	R210	G	0	0.041	0.041
Polk	8467	City of Lakeland	R250	G	0.149	0.227	0.227
Polk	8472	Cypress Lakes Associates LTD	R250	G	0.031	0.152	0.152
Polk	8553	John G. Wood & Associates Inc	R250	G	0.116	0.269	0.269
Polk	8565	Imperial Lakes Land Corp	R250	G	0.002	0.337	0.337
Polk	8967	Sweetwater Community Inc	R250	G	0.033	0.141	0.038
Polk	9007	Osprey Links Golf Course, LLC & Osprey Links, LLC	R250	G	0.073	0.131	0.131
Polk	9123	Carlton Arms Of Lakeland	R240	G	0.001	0.019	0.019
Polk	9234	City Of Bartow	R250	G	0.185	0.155	0.155
Polk	9961	Grasslands Golf & Country Club, Inc	R250	G	0.072	0.285	0.285
Polk	9961	Grasslands Golf & Country Club, Inc	R250	S	0.063	0.285	0.285
Polk	9985	ABT Holdings, LLC	R250	G	0.116	0.284	0.284
Polk	10392	Milmack, Inc	R250	G	0.329	0.266	0.266
Polk	10559	Polk Co BOCC	R245	G	0.112	0.118	0.118
Polk	10656	Stephen J. Fox, LLC	R240	G	0.001	0.120	0.004
Polk	10826	Publix Super Markets Inc	R250	G	0.003	0.251	0.251
Polk	10826	Publix Super Markets Inc	R250	S	0.061	0.251	0.251

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Polk	11693	City of Lakeland Parks and Recreation Dept	R230	G	0.096	0.176	0.159
Polk	12172	Lake Ashton Golf Club LTD	R250	G	0.157	0.248	0.248
Polk	12446	C. C. Calhoun, Inc	R240	G	0.009	0.161	0.016
Polk	12636	The Country Club of Winter Haven, Inc	R250	G	0.124	0.122	0.122
Polk	12652	Highlands Reserve LLC	R250	G	0.013	0.050	0.050
Polk	12689	Southern Dunes Golf & Country Club Inc	R250	G	0.145	0.117	0.117
Polk	12832	Lake Ashton Development Golf Club II, LTD	R250	G	0.111	0.186	0.186
Polk	13330	City Of Winter Haven/Willowbrook	R250	G	0.016	0.021	0.021
Polk	20745	Stillwater Preserve Development, LLC	R250	G	0.281	1.063	1.063
Polk County Totals					7.529	Metered, mgd	
					1.805	Estimated, mgd, 150 WUPs	
					9.334	Total, mgd	
Sarasota	3872	The Ranch Land Operations, LLLP	R240	G	0	2.314	2.314
Sarasota	3897	D. R. Horton, Inc	R240	G	0.001	0.099	0.099
Sarasota	3941	Mission Valley Golf & Country Club, Inc	R250	G	0.119	0.246	0.246
Sarasota	5385	Merriwater Golf, LLC	R250	G	0.118	0.196	0.196
Sarasota	5517	Capri Isles Golf Inc	R250	G	0.009	0.019	0.019
Sarasota	5648	Gator Creek Golf Club Inc	R250	G	0.001	0.104	0.104
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	G	0.081	0.362	0.202
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	S	0.119	0.362	0.202
Sarasota	6364	The Plantation Management Association, Inc	R250	G	0.160	1.214	1.214
Sarasota	6364	The Plantation Management Association, Inc	R250	S	0.349	1.214	1.214
Sarasota	6770	Oaks Bayside HOA, Inc	R240	G	0	0.166	0.166
Sarasota	6863	L B 500, LLC, dba Longboat Key Club	R250	G	0.154	0.289	0.289
Sarasota	6954	The Oaks Club Corp	R250	G	0.124	0.475	0.475
Sarasota	7448	SNF Property LLC	R411	G	0.014	0.186	0.021
Sarasota	7846	Schroeder-Manatee Ranch Inc (Multi-County w Manatee)	R240	G	0.697	18.238	14.868

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Sarasota	7873	Myakka Pines Golf Club of Englewood Inc	R250	G	0	0.212	0.212
Sarasota	7873	Myakka Pines Golf Club of Englewood Inc	R250	S	0	0.212	0.212
Sarasota	7893	Heritage Golf Prestancia LLC	R250	G	0.018	0.249	0.249
Sarasota	8109	The Preserve at Misty Creek HOA, Inc	R250	G	0	0.125	0.125
Sarasota	8398	Grosvenor Square Capital LLC	R250	G	0.139	0.178	0.178
Sarasota	8782	Tatum Ridge Golf Links, Inc	R250	G	0.142	0.183	0.183
Sarasota	8819	Boca Royale Golf & Country Club, Inc	R250	G	0.090	0.099	0.099
Sarasota	8900	Meadows Country Club Inc	R250	G	0.125	0.144	0.144
Sarasota	9114	Sorrento Valley Golf Inc	R250	G	0.171	0.230	0.230
Sarasota	9517	Laurel Oak Country Club	R250	G	0.152	0.132	0.132
Sarasota	9667	Lex Pelican LP	R250	G	0.163	0.264	0.264
Sarasota	9839	Venice Golf & Country Club Ltd	R250	G	0.021	0.254	0.254
Sarasota	10407	Serenoa Holdings, LLC	R250	G	0.230	0.275	0.275
Sarasota	10606	LB 500, LLC, dba Longboat Key Club	R250	G	0.280	0.427	0.427
Sarasota	10823	Calusa Lakes Community Assoc Inc	R240	G	0.425	0.387	0.387
Sarasota	10877	Stoneybrook Golf & Country Club of Sarasota, Inc	R250	G	0.203	0.245	0.245
Sarasota	10880	Southbay Yacht & Racquet Club Owner's Assoc, Inc	R240	G	0.147	0.201	0.201
Sarasota	11417	Heritage Oaks Golf & Country Club Inc	R250	G	0	0.098	0.098
Sarasota	11438	Capri Isle Golf Inc	R250	G	0.109	0.293	0.293
Sarasota	11638	Marsh Creek Holdings, LTD	R250	G	0	0.451	0.451
Sarasota	11699	Cloud Ten! Marketing Group, LLC	R250	G	0.174	0.276	0.276
Sarasota	11871	City Of Venice	R250	G	0.111	0.160	0.160
Sarasota	12075	WCI Communities, Inc	R240	G	0.456	0.408	0.408
Sarasota	12145	Village Walk of Sarasota HOA, Inc	R240	G	0	0.184	0.184
Sarasota	12177	Boca Royale Golf, Inc	R240	G	0.256	0.213	0.213
Sarasota	12275	Mote Marine Laboratory, Inc	R406	G	0	0.155	0.001
Sarasota	12275	Mote Marine Laboratory, Inc	R406	S	0	0.155	0.001

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Sarasota	12555	LALP Lots I, LLC	R240	S	0.169	0.235	0.235
Sarasota	12590	Aquaterra Utilities Inc	R240	G	0.090	0.255	0.255
Sarasota	12634	Venetian Falls HOA Inc	R240	G	0.100	0.157	0.157
Sarasota	12645	Resource Conservation of Sarasota, LLC	R240	G	0.079	0.519	0.519
Sarasota	12750	Ventura Village HOA Inc	R240	G	0.031	0.087	0.087
Sarasota	12759	Panacea Gulf Coast Investments, LLC	R240	G	0.364	0.476	0.476
Sarasota	12772	Divosta Homes LP	R240	S	0.634	0.700	0.700
Sarasota	12796	Isles of Sarasota HOA Inc	R240	G	0	0.042	0.042
Sarasota	13347	Dept Of Veterans Affairs	R230	G	0.255	0.343	0.343
Sarasota	20403	Sandhill Preserve Property Owners' Assoc, Inc	R240	G	0.002	0.050	0.050
Sarasota	20546	Neal Communities of Southwest Florida, LLC	R240	G	0.060	0.206	0.206
Sarasota	20591	DiVosta Homes LP	R240	G	0.085	0.128	0.128
Sarasota	20643	Taylor Morrison of Florida, Inc	R240	G	0.037	0.060	0.060
Sarasota County Totals					7.261	Metered, mgd	
					1.105	Estimated, mgd, 99 WUPs	
					8.366	Total, mgd	
Sumter	2622	Continental Country Club R.O. Inc	R250	G	0.151	0.213	0.213
Sumter	3206	Villages Operating Company	R250	G	0.429	0.616	0.616
Sumter	6793	Rainforest Rv Inc	R250	G	0.120	0.224	0.193
Sumter	8675	Dept Of Veterans Affairs	R240	G	0.004	0.756	0.756
Sumter	10923	Spruce Creek Golf LLC	R250	G	0.622	0.164	0.164
Sumter	11566	The Villages of Lake-Sumter Inc	R245	G	0.039	0.093	0.093
Sumter	11624	Village CDD 2	R240	G	0.043	0.077	0.077
Sumter	11778	Village Center CDD	R250	G	0.003	0.040	0.040
Sumter	11856	Brassboys Enterprises Inc	R250	G	0	0.023	0.023
Sumter	13005	Village Center CDD	R250	G	0.772	19.346	1.347
Sumter	13123	Loan Portfolio Solutions, LLC	R244	G	0.034	0.114	0.054

2019 ESTIMATED WATER USE REPORT

Table A-5. 2019 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Sumter	20687	Southeast Wildwood Water Conservation Authority	R240	G	0.668	4.706	4.706
Sumter County Totals					2.885	Metered, mgd	
					0.160	Estimated, mgd, 8 WUPs	
					3.045	Total, mgd	
District Totals					47.434	Metered, mgd	
					11.291	Estimated, mgd	
					58.725	Total, mgd	

Information is given only for the portion of the county within the District.

Source: WMIS Database. Calculations from raw data create some minor rounding discrepancies in summations.

- ¹ Use Code: Alpha-numeric code to identify largest specific use attributed to the permit. The first letter indicates the "predominant use" (R = Landscape/Recreation). The WUP may have multiple use codes, but largest specific use within the category is shown. Descriptions of the use codes are provided below.
- ² Source = G for groundwater; S for surface water
- ³ The metered annual average amount withdrawn by the permittee during the calendar year, in million gallons per day. The county totals show the sum of metered withdrawals, an additional amount estimated for the non-metered permittees, and the combined total for the county.
- ⁴ The share of Permitted Quantity allocated for the subject Predominant Use. If the value is less than the total permitted quantity, there is another predominant use allocated to the WUP. There may be additional withdrawals by the permittee for the other use on another table.

2019 ESTIMATED WATER USE REPORT

Descriptions for the Landscape/Recreation use codes used in WMIS. There are more codes listed, for reference, than are shown in Table A-5.

R200	Aesthetic Use (not augmentation)	R300	Recreational Animal Watering Use	R410	Flume
R210	Augmentation for Aesthetic	R301	Water for Aquatic Habitats	R411	Pool/Pond Fill
R220	Augmentation for Environmental	R310	Personal Sanitary Use	R412	Pool/Pond Makeup
R230	Cemetery/Parks/Playgrounds	R320	Water-Based Recreation	R413	Rides
R240	Lawn & Landscape Irrigation	R321	Water Parks	R414	Food preparation and associated water needs
R244	Irrigation of Common Areas	R400*	Reuse Water Received from a Utility	R415	Office / Staff Facilities
R245	Sports Playing Fields	R401*	Reuse Water Generated on Site	R420	Public drinking fountains/ Restrooms
R250	Golf Course	R405*	Closed Loop Heating and Cooling	R425	Hotel/Motel
R260	Botanical Specimen Irrigation	R406	Animal Watering	R430	Fountains
R261	Botanical Specimen (wo eff. Rainfall)	R407	Aquatic habitat fill	R435	Decorative Water Features
R270	Fire Fighting/Testing	R408	Aquatic habitat water change	R440	Cleaning and Maintenance
R280	Maintenance & Cooling	R409	Aquatic habitat water replacement	R445	Air Conditioning/Cooling
R290	Other Uses				

* Uses R400, R401, and R405 are excluded from the estimated water use query.

2019 ESTIMATED WATER USE REPORT

Table A-6. 2019 Metered + Estimated Landscape/Recreation Monthly Average Withdrawals (mgd/month) by County

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	1.821	1.079	1.631	2.006	2.589	1.977	1.085	0.889	2.068	2.949	2.379	1.743
Citrus	1.617	2.308	3.266	3.648	4.736	3.366	2.513	2.850	3.732	3.785	2.513	1.540
Desoto	0.036	0.072	0.160	0.210	0.226	0.138	0.089	0.047	0.113	0.140	0.140	0.122
Hardee	0.097	0.117	0.148	0.188	0.186	0.146	0.102	0.066	0.146	0.191	0.160	0.162
Hernando	1.796	2.604	3.802	3.897	4.613	3.271	1.895	1.900	3.882	3.494	3.200	2.272
*Highlands	1.307	1.498	1.842	2.583	2.892	2.383	1.405	0.916	1.929	2.383	2.370	1.925
Hillsborough	5.332	7.595	8.000	12.245	12.035	10.312	6.094	4.808	12.007	8.582	9.798	7.572
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.057	0.088	0.147	0.190	0.226	0.154	0.077	0.049	0.172	0.170	0.159	0.114
Manatee	8.017	8.528	11.176	12.767	15.258	10.734	5.494	3.417	10.227	13.287	11.446	9.384
*Marion	1.134	1.533	3.083	2.704	4.129	3.195	2.390	1.830	3.436	3.147	2.905	1.731
Pasco	1.036	1.751	3.052	3.944	4.605	3.679	2.608	2.465	3.947	4.612	3.971	2.983
Pinellas	1.991	2.936	3.139	4.075	4.626	3.302	2.431	2.000	4.062	3.385	3.452	3.773
*Polk	6.549	6.904	34.339	9.024	9.659	7.342	5.337	4.540	7.947	7.877	6.700	5.786
Sarasota	4.789	6.213	6.719	9.668	11.948	9.348	4.883	3.893	7.689	9.535	10.561	6.771
Sumter	1.941	2.149	4.581	5.085	4.465	3.020	1.944	1.619	3.142	3.523	2.988	2.091
District Total	37.520	45.375	85.085	72.234	82.193	62.367	38.347	31.289	64.499	67.060	62.742	47.969
Groundwater	34.115	41.651	80.629	66.766	75.753	57.409	34.814	28.246	58.640	61.407	57.767	43.868
Surface Water	3.405	3.724	4.456	5.468	6.440	4.958	3.533	3.043	5.859	5.653	4.975	4.101

* Data is only from the portion of the county within the District.

Source: Estimated Water Use Tables derived from the WMIS database.

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Charlotte	608	Bryan Paul, Inc	A415	G	0	0.115	0.115
Charlotte	608	Bryan Paul, Inc	A415	S	0	0.115	0.115
Charlotte	1019	Ryals Citrus & Cattle Co	A470	G	0	0.386	0.386
Charlotte	1117	James Bickett	A415	G	0.425	2.316	2.316
Charlotte	1117	James Bickett	A415	S	0.111	2.316	2.316
Charlotte	1759	Probitas Enterprises LLC	A57F	G	0	2.461	2.461
Charlotte	1759	Probitas Enterprises LLC	A57F	S	0.553	2.461	2.461
Charlotte	2588	Kelly Family Holdings LLC	A451	G	1.109	1.044	0.866
Charlotte	2593	Charlotte 650 LLC	A415	G	0	0.524	0.524
Charlotte	2593	Charlotte 650 LLC	A415	S	0	0.524	0.524
Charlotte	2689	East Charlotte Drainage District	A415	G	1.186	2.748	2.748
Charlotte	2689	East Charlotte Drainage District	A415	S	0.393	2.748	2.748
Charlotte	3275	Chapman Family Partnership LLLP (Multi County w DeSoto)	A415	G	0.793	1.102	1.102
Charlotte	4217	The Five Cross Land Trust	A490	G	0	0.199	0.199
Charlotte	4589	Hudson Land & Cattle, LLC	A470	G	0	0.648	0.648
Charlotte	5936	Schwartz Charlotte Grove Properties, LLC	A495	G	0.539	1.001	1.001
Charlotte	6569	Kent C. Connell	A525	G	0	0.136	0.136
Charlotte	7240	Iowa International Inv Inc	L600	G	0.007	0.002	0.002
Charlotte	8224	Spanish Trail Land & Cattle Company LLC	A56S	G	0.277	2.534	2.534
Charlotte	8388	George M. Davis, Jr. and Christina Davis	A415	G	0	0.170	0.170
Charlotte	9052	Ben Hill Griffin, Inc	A415	G	0	1.523	1.523
Charlotte	9052	Ben Hill Griffin, Inc	A415	S	0	1.523	1.523
Charlotte	9398	734 LMC Groves, LLC	A415	G	0.239	1.258	1.258
Charlotte	9417	Kye & Deborah Bishop	A415	G	0.001	0.171	0.171
Charlotte	9476	Citrus Creek Grove LLC	A415	G	0.302	0.679	0.679
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	G	0.475	1.465	1.465
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	S	1.732	1.465	1.465
Charlotte	9687	Williams Farms Partnership	A57F	G	0	1.858	1.823

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Charlotte	9687	Williams Farms Partnership	A57F	S	0	1.858	1.823
Charlotte	9727	Friedrich Schiller	A415	G	0.054	0.492	0.492
Charlotte	9926	R and D Cattle Ranch LLC	A415	G	0	0.665	0.615
Charlotte	9926	R and D Cattle Ranch LLC	A415	S	0	0.665	0.615
Charlotte	10726	JDI Farms Inc	A56F	G	0	0.402	0.402
Charlotte	10726	JDI Farms Inc	A56F	S	0	0.402	0.402
Charlotte	10874	Charlotte Florida Partnership	A415	G	0.095	0.221	0.221
Charlotte	10959	Philip von Kahle, Curator	A470	G	0	0.203	0.113
Charlotte	11715	Coral Creek Burnt Store, LLC	A490	G	0	0.240	0.240
Charlotte	11982	Bethel Farms LLLP	A525	G	0.593	0.715	0.715
Charlotte	12541	Battista Farms SR 31 Real Property, LLC	A525	G	0	0.433	0.433
Charlotte	12541	Battista Farms SR 31 Real Property, LLC	A525	S	0.055	0.433	0.433
Charlotte	13096	Chastain Family, LLC	A415	G	0	0.493	0.493
Charlotte	13349	Ryals Citrus & Cattle, LLC	A525	G	0.411	0.499	0.499
Charlotte	20053	Hudson Hammocks, LLC and JMH Trust	A470	G	0.009	0.363	0.363
Charlotte County Totals					9.358	Metered, mgd	
					0.655	Estimated, mgd, 21 WUPs	
					10.013	Total, mgd	
Citrus	12288	M & B Products Inc	A455	G	0.302	0.497	0.497
Citrus County Totals					0.302	Metered, mgd	
					1.358	Estimated, mgd, 40 WUPs	
					1.660	Total, mgd	
DeSoto	164	Citrus Pride Inc	A415	G	0.020	0.179	0.179
DeSoto	481	Cynthia G. Dees and William T. Trawick	A415	G	0.001	0.096	0.096
DeSoto	572	Sorrells Groves, Inc	A415	G	0.010	0.261	0.261
DeSoto	897	Sorrells Groves, Inc	A415	G	0.151	0.448	0.448
DeSoto	940	James Bickett	A415	G	0.130	0.330	0.330
DeSoto	1018	TLand, LLC	A415	G	0	0.074	0.074

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	1020	Ryals Citrus and Cattle Co. and Ann Ryals	A470	G	0.088	0.330	0.330
DeSoto	1048	A & A Blueberry, LLC	A410	G	0.044	0.204	0.204
DeSoto	1176	Constructora Limonar, LLC	A415	G	0.142	0.102	0.102
DeSoto	1240	QC Desoto Grove Ventures, LLC	A415	G	0.079	0.075	0.075
DeSoto	1379	Robert Brewer, Lenora Brewer, James Brewer	A415	G	0.023	0.099	0.099
DeSoto	1381	Sorrells Of Manatee Inc	A415	G	0.050	0.163	0.163
DeSoto	1384	Sorrells Groves, Inc	A415	G	0.038	0.107	0.107
DeSoto	1389	Sorrells Groves, Inc	A415	G	0.006	0.147	0.147
DeSoto	1391	Down South Blues Corp	A410	G	0.087	0.118	0.118
DeSoto	1568	Turner Land & Cattle, LLP	A415	G	0.190	0.186	0.186
DeSoto	1635	Bethel Farms, LLLP	A525	G	2.064	2.966	2.966
DeSoto	1687	Cary Mike Mercer & Eugene H Jr & Jane Turner	A415	G	0	0.089	0.089
DeSoto	1711	Sunny South Packing Company	A415	G	0.102	0.239	0.239
DeSoto	1719	Sunny South Packing Company	A415	G	0.099	0.174	0.174
DeSoto	1722	Sunny South Packing Company	A415	G	0.080	0.079	0.079
DeSoto	1723	Sunny South Packing Company	A415	G	0.117	0.369	0.369
DeSoto	1754	L.I. Buddy Smith	A415	G	0	0.114	0.114
DeSoto	1755	V C Hollingsworth Sr Estate	A415	G	0.151	0.174	0.174
DeSoto	1766	Hollingsworth Grove Properties LLC	A415	G	0.019	0.059	0.059
DeSoto	1771	Diner Citrus and Cattle Company	A415	G	0.011	0.143	0.143
DeSoto	1774	Sunny South Packing Company	A415	G	0.062	0.080	0.080
DeSoto	2125	Carlton Horse Creek Partners LLC	A470	G	0.068	0.629	0.629
DeSoto	2193	Phillip W Turner Family Partnership LTD	A490	G	0.624	3.802	3.802
DeSoto	2240	Eugene H Turner Family Partnership, LTD	A415	G	0.115	0.239	0.239
DeSoto	2240	Eugene H Turner Family Partnership, LTD	A415	S	0	0.239	0.239
DeSoto	2386	Joshua Water Control District	A415	G	12.018	14.167	14.167
DeSoto	2390	Alfred G & Mary J Parker	A490	G	0.061	0.265	0.265
DeSoto	2418	Island Grove, LLC	A410	G	0.001	0.091	0.091

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	2665	M and V, LLC	A415	G	0.019	0.677	0.677
DeSoto	2703	VCH Citrus, LLC	A415	G	0.344	0.473	0.473
DeSoto	2740	Eugene H. Turner as the Trustee	A415	G	0.341	0.538	0.538
DeSoto	2790	VCH Citrus, LLC	A415	G	0.146	0.136	0.136
DeSoto	2906	Eugene H Turner Family Partnership, LTD	A416	G	0.087	0.119	0.119
DeSoto	3069	DeSoto Land Investment, LLC	A415	G	0.068	0.498	0.498
DeSoto	3216	T & T Environmental, LLC	A415	G	0.093	0.285	0.285
DeSoto	3275	Chapman Family Partnership LLLP (Multi County w Charlotte)	A415	G	0.258	1.102	1.102
DeSoto	3275	Chapman Family Partnership LLLP (Multi County w Charlotte)	A415	S	0.317	1.102	1.102
DeSoto	3320	Bickett Holdings, LLC	A415	G	0.018	0.018	0.018
DeSoto	3322	Sorrells Groves, Inc	A415	G	0.012	0.081	0.081
DeSoto	3474	John Parker, Jr	A415	G	0.016	0.092	0.092
DeSoto	4396	Sorrells Groves, Inc	A415	G	0.180	0.154	0.154
DeSoto	4606	Spanish Trail Land & Cattle Company LLC	A525	G	0.060	3.280	3.280
DeSoto	4606	Spanish Trail Land & Cattle Company LLC	A525	S	0	3.280	3.280
DeSoto	4641	Roper Growers Cooperative	A415	G	0.112	1.167	1.167
DeSoto	4726	Ridgeback Grove LLC	A415	G	0.057	0.171	0.171
DeSoto	4806	Sorrells Groves, Inc	A415	G	0.059	0.248	0.248
DeSoto	4899	Spanish Trail Land & Cattle Company, LLC	L632	G	0.169	0.352	0.352
DeSoto	5060	Charlee LLC	A470	G	0.497	2.203	2.203
DeSoto	5305	Mercer's Mens & Western Store, Inc	A415	G	0.150	0.206	0.206
DeSoto	5875	James Bickett	A415	G	0.445	0.773	0.773
DeSoto	5951	Dan Shelfer and Carolyn Shelfer Trust	A415	G	0.072	0.134	0.134
DeSoto	6064	James D. Brewer, James R. Brewer & Robert C. Brewer	A415	G	0.024	0.129	0.129
DeSoto	6122	VCH Holdings, LLC	A415	G	0.151	0.247	0.247
DeSoto	6134	Robert M & Barbara G Tiffany	A415	G	0.069	0.128	0.128
DeSoto	6274	West Vero Farms, LLC	A415	G	0	0.523	0.523
DeSoto	6274	West Vero Farms, LLC	A415	S	0	0.523	0.523

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	6275	West Vero Farms, LLC	A415	G	0	0.876	0.876
DeSoto	6275	West Vero Farms, LLC	A415	S	0	0.876	0.876
DeSoto	6410	Charles Harrison	A415	G	0.108	0.110	0.110
DeSoto	6411	Justin Blomberg, Trustee of the DeSoto 293 Land Trust	A415	G	0.330	0.227	0.227
DeSoto	6669	QC Desoto Grove Ventures, LLC	A415	G	1.158	1.655	1.655
DeSoto	6669	QC Desoto Grove Ventures, LLC	A415	S	0.259	1.655	1.655
DeSoto	6765	QC Hancock Grove, LLC	A415	G	0.169	1.647	1.647
DeSoto	6765	QC Hancock Grove, LLC	A415	S	0	1.647	1.647
DeSoto	6871	Davis Enterprises, Inc	A415	G	0.284	0.428	0.428
DeSoto	6872	Tippen Bay Properties, LLLP	A415	G	0.406	1.585	1.585
DeSoto	6872	Tippen Bay Properties, LLLP	A415	S	0	1.585	1.585
DeSoto	6915	James D. Brewer & Robert C. Brewer ((multi county w Manatee)	A495	G	0.060	1.228	1.228
DeSoto	6968	James D & Robert C Brewer	A495	G	0	1.099	1.099
DeSoto	7047	E & D Ranch LLP	A495	G	0.010	0.107	0.107
DeSoto	7236	John K Johnson & H L Johnson Family Limited Partnership	A525	G	0.006	0.443	0.443
DeSoto	7262	Sorrells Groves, Inc	A415	G	0.032	0.088	0.088
DeSoto	7269	Michael Boran	A525	G	0	0.931	0.931
DeSoto	7290	James D. Brewer & E. Coleman Brewer	A415	G	0.059	0.307	0.307
DeSoto	7291	VCH Citrus LLC and VC Hollingsworth Sr	A415	G	0.128	0.117	0.117
DeSoto	7292	Charles Harrison	A415	G	0.027	0.080	0.080
DeSoto	7331	Justin Blomberg, Trustee	A525	G	0.348	0.718	0.718
DeSoto	7331	Justin Blomberg, Trustee	A525	S	0	0.718	0.718
DeSoto	7462	Michael A. & Julie M. Walton	A525	G	0.150	1.246	1.246
DeSoto	7462	Michael A. & Julie M. Walton	A525	S	0	1.246	1.246
DeSoto	7535	Bickett Farms	A415	G	0.785	1.055	1.055
DeSoto	7748	4 F, LLC	L632	G	0.136	0.479	0.479
DeSoto	7748	4 F, LLC	L632	S	0	0.479	0.479
DeSoto	7775	Sorrells Groves, Inc	A415	G	0.041	0.132	0.132

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	7783	Southeast Groves, LLC	A415	G	0.047	0.456	0.456
DeSoto	7783	Southeast Groves, LLC	A415	S	0.156	0.456	0.456
DeSoto	7854	Sunny Future, LLC	A415	G	0.124	0.137	0.137
DeSoto	7870	Sorrells Groves, Inc	A415	G	0.285	0.197	0.197
DeSoto	7957	Turner Groves Citrus Limited Partnership	A415	G	2.765	3.170	3.170
DeSoto	8154	Emerald Packing Company Inc	A415	G	0.031	0.071	0.071
DeSoto	8155	7 Mile Marine Center, Inc	A58S	G	0	0.149	0.149
DeSoto	8159	Sue G Parker, Trustee	A415	G	0.008	0.180	0.180
DeSoto	8287	QC Desoto Grove Ventures, LLC	A415	G	0.127	0.180	0.180
DeSoto	8348	William Head	A470	G	0.067	0.470	0.470
DeSoto	8436	RCB Desoto, LLC	A415	G	0.018	0.090	0.090
DeSoto	8480	QC Desoto Grove Ventures, LLC	A415	G	1.897	1.267	1.267
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	G	2.244	4.356	4.356
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	S	0	4.356	4.356
DeSoto	8660	Desoto 451 Land Trust	A415	G	0.468	0.354	0.354
DeSoto	8670	Citrus Pride, Inc	A415	G	0.027	0.241	0.241
DeSoto	8757	Southeast Groves, LLC	A415	G	0.237	0.464	0.464
DeSoto	8773	Charlotte Harbor Landing LLC	A50F	G	0	0.150	0.150
DeSoto	8801	Robert C and Lenora P Brewer	A415	G	0.004	0.103	0.103
DeSoto	8860	VCH Holdings, LLC	A415	G	0.448	0.504	0.504
DeSoto	8935	VCH Holdings, LLC	A415	G	0.053	0.131	0.130
DeSoto	8985	Southeast Groves, LLC	A415	G	1.535	3.109	3.109
DeSoto	9031	Sorrells Groves Inc	A415	G	0.044	0.118	0.118
DeSoto	9073	Diaz Family Properties, LLC	L661	G	0.189	0.325	0.325
DeSoto	9127	Sunriver Citrus Florida LLC	A415	G	0.191	0.350	0.350
DeSoto	9154	QC Desoto Grove Ventures, LLC	A415	G	0.333	0.453	0.453
DeSoto	9185	QC Desoto Grove Ventures, LLC	A415	G	0.360	0.382	0.382
DeSoto	9226	PH Citrus, LLC	A535	G	0.357	2.013	2.013

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	9279	Sorrells Groves, Inc	A415	G	0.036	0.084	0.084
DeSoto	9373	QC Far Lo Grove, LLC	A415	G	0.048	0.123	0.123
DeSoto	9441	L.I. Buddy Smith	A415	G	0	0.035	0.035
DeSoto	9469	Sorrells Groves, Inc	A415	G	0	0.259	0.259
DeSoto	9478	Michael Boran	A525	G	0	0.954	0.954
DeSoto	9492	West Vero Farms, LLC	A415	G	0.061	0.253	0.253
DeSoto	9492	West Vero Farms, LLC	A415	S	0.134	0.253	0.253
DeSoto	9567	L.I. Smith	A415	G	0.556	0.291	0.291
DeSoto	9571	Robert H Barben, Robert J Barben	A415	G	0.184	0.160	0.160
DeSoto	9715	James D and Robert C Brewer	A415	G	0.007	0.166	0.166
DeSoto	9716	Island Grove LLC	A410	G	0.059	0.122	0.122
DeSoto	9716	Island Grove LLC	A410	S	0	0.122	0.122
DeSoto	9732	The Garrett Ranch Partnership LLLP	A490	G	0.056	0.147	0.147
DeSoto	9734	Ryals Citrus & Cattle, LLC	A470	G	0	0.348	0.348
DeSoto	9741	Mosaic Fertilizer LLC and CMI (Multi County w Manatee)	A470	G	0.927	1.831	1.831
DeSoto	9782	Peace Valley Groves, Inc	A415	G	0.325	0.648	0.648
DeSoto	9789	Kristie and Daniel Via	A415	G	0.005	0.079	0.079
DeSoto	9933	J.W. Crews, Jr., JDM Partnership	A415	G	0.028	0.074	0.074
DeSoto	10067	Ed Watson	A415	G	0.109	0.117	0.117
DeSoto	10233	Charles T. and Gina M. Adams, Co-Trustees of Adams Family Trust	A490	G	0	0.117	0.117
DeSoto	10251	Robert T. & Barbara G. Tiffany	A415	G	0.077	0.085	0.085
DeSoto	10379	M & R Groves Inc	A410	G	0.035	0.380	0.380
DeSoto	10553	James D & E Coleman Brewer	A415	G	0.079	0.128	0.128
DeSoto	10719	Phillip W Turner Family Partnership LTD	A416	G	0.216	0.281	0.281
DeSoto	10722	Alico, Inc	A415	G	5.144	5.147	5.147
DeSoto	10892	L.I. Buddy Smith	A470	G	0	0.189	0.189
DeSoto	10968	C Dennis Carlton	A470	G	0	0.318	0.318
DeSoto	10971	W M and Linda Sue Marsh	A415	G	0.141	0.201	0.201

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	11017	QC Desoto Grove Ventures, LLC	A415	G	0.234	0.123	0.123
DeSoto	11124	Dimare Ruskin #2 LLC	A56F	G	1.232	2.259	2.259
DeSoto	11201	Sorrells Groves, Inc	A415	G	0.058	0.184	0.184
DeSoto	11202	Sorrells Groves, Inc	A415	G	0.044	0.112	0.112
DeSoto	11256	Esther Fuhrer	A470	G	0	0.231	0.231
DeSoto	11261	Peace River Development Corp	A56S	G	0	0.665	0.646
DeSoto	11604	Isaac F Albritton Groves Ltd	A470	G	0	0.413	0.413
DeSoto	11665	4 N 1 Grove LLC	A415	G	0.146	0.271	0.271
DeSoto	11718	Bermont Properties LLC	A415	G	0.110	0.151	0.151
DeSoto	12004	Department of Corrections	A58H	G	0.138	0.252	0.252
DeSoto	12195	CB Landholdings II LLC	A415	G	0.058	0.287	0.287
DeSoto	12253	Citrus Grove Inc	A415	G	0.076	0.155	0.155
DeSoto	12391	James Bickett	A490	G	0.361	0.803	0.803
DeSoto	12503	VCH Citrus, LLC	A525	G	0	0.497	0.497
DeSoto	12562	James and Judy Albritton	A415	G	0.003	0.131	0.131
DeSoto	12814	Llano Partners, Ltd	A470	G	0	1.749	1.749
DeSoto	12818	Island Grove LLC	A410	G	0.076	0.194	0.194
DeSoto	12866	VCH Citrus LLC	A415	G	0.244	0.199	0.199
DeSoto	12875	QC Desoto Grove Ventures, LLC	A415	G	0.365	0.207	0.207
DeSoto	13002	Wheeler Farms, Inc	A416	G	0	0.076	0.076
DeSoto	13370	Jack Paul Properties Inc	A415	G	0	1.478	1.478
DeSoto	13370	Jack Paul Properties Inc	A415	S	0	1.478	1.478
DeSoto	20285	RCB DESOTO, LLC	A415	G	0.022	0.149	0.149
DeSoto	20554	French Golden Gate, LLC	A58S	G	0.007	2.320	2.320
DeSoto	20664	North Joshua Grove, LLC	A415	G	0	0.861	0.861
DeSoto	20703	Optimum Ranch Florida, LLC	A58S	G	0.315	0.770	0.770
DeSoto	20794	Deer Creek Ranch, LLC	A470	G	0.151	0.172	0.172

This space is intentionally blank.

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto County Totals					48.755	Metered, mgd	
					6.107	Estimated, mgd, 277 WUPs	
					54.862	Total, mgd	
Hardee	51	Altos Rock, LLC	A410	G	0.107	0.217	0.217
Hardee	52	H. Shawn and Zenybie Pollard	A410	G	0.388	0.215	0.215
Hardee	56	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.040	0.097	0.097
Hardee	131	Ballantyne Groves, Inc	A415	G	0.026	0.091	0.091
Hardee	455	L & J Citrus and Cattle, LLC	A415	G	0.013	0.069	0.069
Hardee	456	Barlow Family Partnership	A415	G	0	0.115	0.115
Hardee	480	Johnson-Hardee Holdings, LLC	A415	G	0.053	0.131	0.131
Hardee	527	Stephen M & Jennifer S Palmer	A415	G	0.069	0.259	0.259
Hardee	558	Chapman Family Partnership, LLLP	A415	G	0.061	0.102	0.102
Hardee	560	Pam Groves, LLC	A415	G	0	0.085	0.085
Hardee	614	Picnic Block Holdings, Inc	A415	G	0.094	0.143	0.143
Hardee	690	Gerald J McLean, Trustee	A415	G	0	0.194	0.194
Hardee	775	SLB&B of Wauchula, LLC	A415	G	0.060	0.088	0.088
Hardee	784	Mosaic Fertilizer, LLC	A415	G	0.083	0.339	0.339
Hardee	785	Mosaic Fertilizer, LLC	A415	G	0.435	1.185	1.185
Hardee	834	Lanier Ranch & Grove, Inc	A56S	G	0.001	0.192	0.192
Hardee	1088	John and Josephine Beck	A415	G	0.024	0.086	0.086
Hardee	1102	Peace River Investments Of Wauchula, LLC	A415	G	0.018	0.114	0.114
Hardee	1103	Burton-Bostick Groves, Inc	A415	G	0.036	0.144	0.144
Hardee	1148	Paul Mislevy Living Trust	A415	G	0.091	0.189	0.189
Hardee	1242	Barben Group	A415	G	0.270	0.244	0.244
Hardee	1257	C. Dennis Carlton Family LLLP	A56S	G	0	0.300	0.300
Hardee	1259	QC Desoto Grove Ventures, LLC	A415	G	0.158	0.162	0.162
Hardee	1283	J W Crews Jr	A415	G	0.045	0.112	0.112
Hardee	1324	Mosaic Fertilizer, LLC	A416	G	0.036	0.061	0.061

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	1339	Ronald F. and Sharon D. Moye	A415	G	0	0.086	0.086
Hardee	1454	Crewsville Groves LLC	A415	G	1.055	0.955	0.955
Hardee	1472	Margaret Henderson	A415	G	0.039	0.152	0.152
Hardee	1576	W & S Duncan Limited Partnership	A415	G	0.077	0.131	0.131
Hardee	1655	T & C Investments, Inc	A415	G	0.043	0.269	0.269
Hardee	1672	Chapman Family Partnership, LLLP	A415	G	0.081	0.269	0.269
Hardee	1709	Sunny South Packing Company	A415	G	0.049	0.079	0.079
Hardee	1746	Morgan Grove, LLC	A415	G	0.290	0.533	0.533
Hardee	1906	Calyx Investments, LLC	A415	G	0.176	0.200	0.200
Hardee	1912	V & W Farms Inc of Delray Beach	A495	G	0.122	1.298	1.295
Hardee	2158	C.R. Melear Corp	L700	G	0.290	0.749	0.749
Hardee	2164	Debra and Thomas S. Watkins	A415	G	0.193	0.403	0.403
Hardee	2270	Three B Grove and Ranch, LLP, et. Al.	A415	G	0.108	0.114	0.114
Hardee	2358	Rocking Cross Ranch Inc	A415	G	0	0.120	0.120
Hardee	2362	Johnson Wauchula 1033 Farm, LLC	A535	G	0.051	0.113	0.113
Hardee	2382	D H Ranch Inc	A490	G	0	0.099	0.099
Hardee	2383	Smoak Groves, Inc	A415	G	0.052	0.043	0.043
Hardee	2467	Ben Hill Griffin, Inc	A455	G	0.145	1.271	1.271
Hardee	2584	John L. & Jeri A. Matz	A415	G	0	0.078	0.078
Hardee	2614	Hollingsworth Grove Properties LLC	A415	G	0.097	0.166	0.166
Hardee	2626	734 LMC Groves, LLC	A415	G	0.440	0.354	0.354
Hardee	2645	Willard K Durrance, Jr, Elizabeth A. Durrance	A415	G	0.093	0.107	0.107
Hardee	2647	Willard Kelly Durrance, Jr	A490	G	0.026	0.183	0.183
Hardee	2648	W.K. Durrance, LLC	A455	G	0.091	0.438	0.438
Hardee	2715	Mosaic Fertilizer LLC (Multi County w Polk)	A525	G	0.400	3.950	3.950
Hardee	2727	Useppa Citrus, LLC	A415	G	0.077	0.157	0.157
Hardee	2774	Farr Groves LLC	A415	G	0.046	0.104	0.104
Hardee	2871	Tamiami Citrus, LLC	A415	G	0.645	1.357	1.357

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	2871	Tamiami Citrus, LLC	A415	S	0	1.357	1.357
Hardee	2927	Carl M & Betty A Wilburn Co-Tst Lvg Trstt 6/6/01	A415	G	0.098	0.338	0.338
Hardee	2930	McCarlton Partners Ltd	A415	G	0.105	0.171	0.171
Hardee	2932	McCarlton Partners Ltd	A470	G	0	0.423	0.423
Hardee	3076	The Mosaic Co	A415	G	0	0.250	0.250
Hardee	3096	QC Desoto Grove Ventures, LLC	A415	G	0.186	0.200	0.200
Hardee	3119	Smoak Groves, Inc	A415	G	0.085	0.123	0.123
Hardee	3134	Crews Groves, Inc	A415	G	0.244	0.246	0.246
Hardee	3135	Crews Groves, Inc	A415	G	0.309	0.483	0.483
Hardee	3154	The Durrance Groves Limited Partnership	A415	G	0.032	0.104	0.104
Hardee	3207	Crews Groves, Inc	A415	G	0.103	0.093	0.093
Hardee	3235	T.C. Prescott, LLC	A415	G	0.016	0.084	0.084
Hardee	3258	South Fort Meade Partnership, LP & Parker Farms, Inc	A402	G	0	1.171	1.171
Hardee	3321	Mosaic Fertilizer LLC	A415	G	0.105	0.173	0.173
Hardee	3338	Mosaic Fertilizer, LLC	A415	G	0.001	0.030	0.030
Hardee	3341	George D N Beck & Glenn Elliott Beck	A415	G	0.060	0.123	0.123
Hardee	3478	Jed Groves Inc	A415	G	0.020	0.077	0.077
Hardee	3508	Mosaic Fertilizer, LLC	A646	G	0	0.306	0.306
Hardee	3592	Square D Ranch Ltd LLP	A490	G	0	0.335	0.335
Hardee	3599	Crewsville Dairy Inc	A495	G	0.061	0.496	0.496
Hardee	3612	William K. and Elizabeth A. Durrance	A415	G	0.102	0.112	0.112
Hardee	3626	South Property Holdings, LLC	A415	G	0.025	0.221	0.221
Hardee	3695	3-C Ranch Ltd	A56S	G	0.288	0.825	0.825
Hardee	4041	Ninfa C Davis Family LLC	A415	G	0.093	0.142	0.142
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	G	1.997	1.587	1.587
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	S	0.041	1.587	1.587
Hardee	4197	Krause Groves, LLC	A415	G	0.060	0.114	0.114
Hardee	4229	Peace Valley Groves, Inc	A415	G	0.094	0.120	0.120

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	4487	QC Hardee Grove Ventures LLC	A415	G	0.368	0.321	0.321
Hardee	4525	Wauchula Farms, LLC	A480	G	0.096	0.111	0.111
Hardee	4554	QC Desoto Grove Ventures, LLC	A415	G	0.088	0.130	0.130
Hardee	4600	Sweetwater Preserve, LLC	A655	G	0.076	1.943	1.943
Hardee	4600	Sweetwater Preserve, LLC	A655	S	0	1.943	1.943
Hardee	4660	Rolfe G Thompson Indiv & Trstee Thompson Family Trust	A56S	G	0	0.391	0.391
Hardee	4719	Lamb Groves, Inc	A415	G	0.064	0.142	0.142
Hardee	4769	Himrod Groves Limited Partnership	A415	G	0.073	0.201	0.201
Hardee	4817	Twenty Twenty Groves, Inc	A415	G	1.087	1.780	1.780
Hardee	4817	Twenty Twenty Groves, Inc	A415	S	0	1.780	1.780
Hardee	4994	Maggie Simmons Messana	A525	G	0.070	0.211	0.211
Hardee	5024	Mary Jane and Charles Matheny	A490	G	0.021	0.130	0.130
Hardee	5912	Ninfa C Davis Family LLC	A415	G	0.047	0.108	0.108
Hardee	5918	Crews Groves, Inc	A490	G	0.098	0.370	0.370
Hardee	6368	Donnis A. and Kathleen A. Barber	A480	G	0.150	0.188	0.188
Hardee	6393	Theo, Christina, Austin, and Henry Bryant	A480	G	0.058	0.107	0.107
Hardee	6550	Zolfo Springs Grove, LLC	A415	G	0.096	0.114	0.114
Hardee	6579	John Clay Henderson Trust	A415	G	0.070	0.090	0.090
Hardee	6925	Farr Groves LLC	A415	G	0.045	0.097	0.097
Hardee	7025	Team Pentecost, LLC	A525	G	0.055	1.301	1.301
Hardee	7099	J. R. Paul, Jr. Family Limited Partnership	A415	G	0.133	0.143	0.143
Hardee	7332	Mosaic Fertilizer, LLC	A415	G	0	0.123	0.123
Hardee	7341	QC Desoto Grove Ventures, LLC	A415	G	0.159	0.154	0.154
Hardee	7376	Sorrells Groves, Inc	A415	G	0.023	0.135	0.135
Hardee	7408	J.A.M. Farms Corp	A415	G	0.051	0.107	0.107
Hardee	7447	Robert C & Robin E Abbott	A415	G	0.010	0.126	0.126
Hardee	7483	Carlton Melear and Son Dairy, Inc	L615	G	0.018	0.375	0.375
Hardee	7505	Kahn Grove Service Co	A415	G	0.175	0.133	0.133

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	7743	Pavilo Land Holdings, LLC	A480	G	0.122	0.235	0.235
Hardee	7759	Edgar Davis	A415	G	0.031	0.074	0.074
Hardee	7778	Kenneth DeVane Groves, Inc	A415	G	0.026	0.137	0.137
Hardee	7785	The Durrance Groves Limited Partnership	A415	G	0	0.075	0.075
Hardee	7831	Kyland, LLC	A470	G	0	0.176	0.176
Hardee	7998	QC Desoto Grove Ventures, LLC (Multi County w Manatee)	A415	G	0.082	0.465	0.465
Hardee	8007	Daniel W. & Karen Dodrill	A415	G	0.057	0.102	0.102
Hardee	8057	Charles Bass	A535	G	0.028	0.461	0.461
Hardee	8057	Charles Bass	A535	S	0	0.461	0.461
Hardee	8204	Blue Fields USA, LLC	A410	G	0.065	0.208	0.208
Hardee	8234	Royce & Martha Tyson	A415	G	0.085	0.103	0.103
Hardee	8372	Daniel H. & Linda M. Smith	A415	G	0.025	0.157	0.157
Hardee	8695	Peter Goldstein	A415	G	0.096	0.131	0.131
Hardee	8696	Dole Berry Company	A410	G	0.050	0.326	0.326
Hardee	8734	Mosaic Fertilizer LLC	A470	G	0	0.343	0.343
Hardee	8752	South Ft. Meade Land Management, Inc	A655	G	0	0.171	0.171
Hardee	8839	Edward M Schweighofer, Trs.	A415	G	0.001	0.094	0.094
Hardee	8845	C. Elton Crews Family LP, LLLP	A415	G	0.152	0.134	0.134
Hardee	8895	VCH Holdings, LLC	A415	G	0.217	0.476	0.476
Hardee	8907	Davis Enterprises, Inc	A415	G	0.122	0.169	0.169
Hardee	8917	VCH Holdings, LLC	A415	G	0.151	0.244	0.244
Hardee	8963	C&T Citrus , LLC	A415	G	0.148	0.206	0.206
Hardee	8969	South Ft. Meade Land Management, Inc	A415	G	0.087	0.372	0.372
Hardee	8973	Mosaic Fertilizer, LLC	A56S	G	0	0.168	0.168
Hardee	8975	Prewitt Enterprises, LLC	A415	G	0.138	0.224	0.224
Hardee	9027	Davis Enterprises Inc / Davis Citrus Mgmt Inc / Joe L Davis, Jr	A415	G	0.188	0.355	0.355
Hardee	9038	William Harrison	A490	G	0.047	0.144	0.144
Hardee	9061	Francisco Lucatero & Isaura Lucatero Zamora	A480	G	0	0.108	0.108

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	9171	Stevens Land & Cattle LLC	A490	G	0.146	0.440	0.440
Hardee	9390	Windmill Farms Nurseries, Inc	A480	G	0.105	0.238	0.238
Hardee	9390	Windmill Farms Nurseries, Inc	A480	S	0	0.238	0.238
Hardee	9460	Stuart Groves, Inc	A415	G	0.058	0.187	0.187
Hardee	9486	South Ft Meade Land Management, Inc	A655	G	0.035	0.935	0.935
Hardee	9550	Hardee Correctional Institution	A58S	G	0.011	0.301	0.016
Hardee	9673	Debra, Thomas S., Thomas C, & Kara Watkins	A415	G	0.262	0.725	0.725
Hardee	9683	Thelma C. Raley, Inc	A415	G	0.290	0.304	0.304
Hardee	9689	Lake Sawyer Properties, Inc	A415	G	0.082	0.138	0.138
Hardee	9691	The Groves of Peace River, Inc	A415	G	0.150	0.117	0.117
Hardee	9809	Charles J Abbott, Trustee of Charles J Abbott Revocable Trust	A415	G	0.051	0.076	0.076
Hardee	9847	Lynchburg Groves General Partnership	A415	G	0.296	0.157	0.157
Hardee	9850	Bentley Snyder	A415	G	0.133	0.074	0.074
Hardee	9901	Smoak Groves, Inc	A415	G	0.486	0.497	0.497
Hardee	9901	Smoak Groves, Inc	A415	S	0.010	0.497	0.497
Hardee	9987	Redding Farms, LLC	A480	G	0	0.062	0.062
Hardee	10009	E L Davis Jr	A495	G	0.014	0.223	0.223
Hardee	10052	Limestone Ranch LLC	A470	G	0	0.181	0.181
Hardee	10309	F.L. Revell	A480	G	0	0.089	0.089
Hardee	10671	Mosaic Fertilizer LLC	A415	G	0.708	2.294	2.294
Hardee	10771	Carl Wilburn	A415	G	0.080	0.132	0.132
Hardee	11032	Donnis A. and Kathleen A. Barber	A495	G	0	0.089	0.089
Hardee	11083	Patricia Grimsley Trust & Grimsley Groves Inc	A415	G	0.038	0.084	0.084
Hardee	11147	D-3 Farms, LLC and Elizabeth & W. Kelly Durrance Jr	A470	G	0	0.208	0.208
Hardee	11189	Harvill Groves Ltd	A415	G	0.128	0.284	0.284
Hardee	11240	Story Groves, Inc	A415	G	0.270	0.352	0.352
Hardee	11244	Dixie Belle Groves Partnership	A415	G	0.129	0.090	0.090
Hardee	11380	HE & JM McClelland, Trstees of Harold E McClelland Living Trust	A415	G	0.071	0.075	0.075

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	11395	Mosaic Fertilizer LLC	A51S	G	0.086	0.441	0.441
Hardee	11412	Mosaic Fertilizer, LLC	A646	G	0	0.306	0.306
Hardee	11639	Buckhorn Nursery, Ltd	A480	G	0.258	0.442	0.442
Hardee	11840	Glen Elliot Beck, as successor Trustee	A415	G	0.007	0.092	0.092
Hardee	11993	Roberto, Salvador, and Aniceto Estrada	A56S	G	0	0.290	0.290
Hardee	12199	Ida Mae Kipp / Triangle K Ranch, Inc	A410	G	0	0.131	0.131
Hardee	12331	Classic Caladiums Inc & Smoak Groves Inc	A486	G	0.335	0.929	0.843
Hardee	12643	James Bickett	A416	G	0.190	0.414	0.414
Hardee	12646	Donnis Barber	A470	G	0	0.493	0.493
Hardee	12757	New Port Groves Partnership	A415	G	0.135	0.124	0.124
Hardee	12881	Stephen A. Herring Revocable Trust	A535	G	0	0.490	0.490
Hardee	12882	Arthur S. Womack Family, LLC	A415	G	0.077	0.082	0.082
Hardee	13145	Blue Fields USA LLC	A410	G	0.112	0.223	0.223
Hardee	13145	Blue Fields USA LLC	A410	S	0	0.223	0.223
Hardee	13184	Mosaic Fertilizer, LLC	A470	G	0	0.295	0.295
Hardee	13188	Germantown Citrus Partnership	A415	G	0.107	0.125	0.125
Hardee	13248	The Groves of Peace River, Inc	A415	G	0.420	0.402	0.402
Hardee	20376	Pebbledale Farms, Inc	A410	G	0.275	1.027	1.027
Hardee	20376	Pebbledale Farms, Inc	A410	S	0	1.027	1.027
Hardee	20449	Twenty Twenty Groves, Inc	A415	G	0.279	0.532	0.532
Hardee	20483	Charles J & Josephine Abbott Trustees	A415	G	0.090	0.158	0.158
Hardee	20760	Charles and Jane Stevens	A415	G	0.012	0.041	0.041
Hardee	20806	VC Hollingsworth, III, L. Mills, B. Thornton, & L. Hoopingarner	A415	G	0.058	0.091	0.091
Hardee County Totals					21.960	Metered, mgd	
					14.802	Estimated, mgd, 623 WUPs	
					36.762	Total, mgd	

This space is intentionally blank.

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hernando	There were no metered agricultural WUPs in Hernando County (permit metering threshold >= 0.500 mgd)						
Hernando County Totals					0	Metered, mgd	
					1.720	Estimated, mgd, 63 WUPs	
					1.720	Total, mgd	
Highlands	3736	Avon Park Holdings, LLC	A415	G	0.114	0.234	0.234
Highlands	4075	Ward Family Ltd Partnership	A415	G	0.402	0.307	0.307
Highlands	4077	Martin J and Karen McKenna	A415	G	0.098	0.111	0.111
Highlands	4162	Macbeth Associates, Ltd	A415	G	0.046	0.129	0.129
Highlands	4219	S.Y. Hartt & Son, Inc	A415	G	1.057	1.340	1.340
Highlands	4230	Peace Valley Groves, Inc	A415	G	0.059	0.098	0.098
Highlands	4251	Gapway Grove Corp	A415	G	0.040	0.180	0.180
Highlands	4253	Gapway Grove Corp	A415	G	0.043	0.227	0.227
Highlands	4284	A.R. Chapman and Stephens Groves, Inc	A415	G	0.129	0.212	0.212
Highlands	4288	C. Elton Crews Family LP, LLLP	A415	G	0.098	0.092	0.092
Highlands	4300	Mark D. Beck Family Trust	A415	G	0.014	0.107	0.107
Highlands	4393	Phoenix Groves, LLC	A415	G	0.246	0.289	0.289
Highlands	4527	John L. Beck Living Trust	A415	G	0.057	0.143	0.143
Highlands	4557	Saxon Groves Inc	A415	G	0.060	0.179	0.179
Highlands	4557	Saxon Groves Inc	A415	S	0.113	0.179	0.179
Highlands	4604	Avon Park Lake Estates, LLC	A415	G	0.173	0.148	0.148
Highlands	4677	Ben Hill Griffin, Inc	A415	G	0.082	0.100	0.100
Highlands	4678	Ben Hill Griffin, Inc	A415	G	0.116	0.119	0.119
Highlands	4679	Ben Hill Griffin, Inc	A415	G	1.300	1.593	1.593
Highlands	4680	Ben Hill Griffin, Inc	A415	G	1.033	1.596	1.596
Highlands	4681	Ben Hill Griffin, Inc	A415	G	0.100	0.104	0.104
Highlands	4685	Ben Hill Griffin, Inc	A415	G	0.280	0.425	0.425
Highlands	4896	734 BLP Groves, LLC	A415	G	0.509	0.833	0.833
Highlands	4922	Crutchfield Groves, Inc	A415	G	0.054	0.110	0.110

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	4941	Charles L. and Anne D. Reynolds, Jr	A415	S	0.026	0.073	0.073
Highlands	5009	Smoak Groves, Inc	A415	G	0	0.028	0.028
Highlands	5073	Henry Crutchfield Inc	A415	G	0.210	0.219	0.219
Highlands	5178	Lost Lake Groves, Inc	A415	S	0.191	0.464	0.464
Highlands	5182	Charles Reynolds	A415	G	0.121	0.214	0.214
Highlands	5232	Crews Groves, Inc & C. Elton Crews Family, LLLP	A415	G	0.122	0.107	0.107
Highlands	5290	OC Farms, Inc	A415	G	0	0.196	0.196
Highlands	5291	Davis Enterprises, Inc	A415	G	0.233	0.285	0.285
Highlands	5292	Crutchfield Groves, Inc	A415	G	0.038	0.143	0.143
Highlands	5293	Perry Cattle, LLC	A415	G	0.176	0.381	0.381
Highlands	5293	Perry Cattle, LLC	A415	S	0.048	0.381	0.381
Highlands	5322	Harshman Holdings, Inc	A415	G	0.021	0.153	0.153
Highlands	5330	Stephen D. Seims & Joan P. Seims	A490	G	0.001	0.185	0.185
Highlands	5337	Crutchfield Groves, Inc	A415	G	0.085	0.140	0.140
Highlands	5342	Henry Crutchfield Inc	A415	G	0.086	0.100	0.100
Highlands	5346	Lo Brothers Enterprises Inc	A415	G	0.017	0.012	0.012
Highlands	5354	Crutchfield Groves, Inc	A415	G	0.055	0.090	0.090
Highlands	5445	Joe L. Davis, Jr. Trust	A415	G	0.091	0.094	0.094
Highlands	5464	C Elton Crews Family LP LLLP	A415	G	0.150	0.147	0.147
Highlands	5504	C & L Land Co., LLLP	A415	G	0.110	0.139	0.139
Highlands	5516	Wabasso Road Dairy, Inc	A486	G	0.383	1.585	1.585
Highlands	5522	Crews Groves Inc & C Elton Crews Family Limited Partnership LLLP	A415	G	0.253	0.224	0.224
Highlands	5537	Joseph Macbeth	A415	G	0.353	0.386	0.386
Highlands	5563	Karen McKenna, Alton Rogers & JW Crews Jr	A415	G	0.499	0.196	0.196
Highlands	5566	Crews Groves, Inc	A415	G	0.174	0.139	0.139
Highlands	5574	Joe L Davis Family Citrus, LLC	A415	G	0.103	0.100	0.100
Highlands	5583	Robert Crews	A415	G	0.250	0.247	0.247
Highlands	5621	Cow Slough Inc	A415	G	0.016	0.013	0.013

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	5626	Robert J. Barben, Inc	A415	G	0.461	0.610	0.610
Highlands	5627	Robert H Barben, Robert J Barben Inc	A415	G	0.313	0.468	0.468
Highlands	5628	Running W Citrus Limited Partnership	A415	G	0.085	0.100	0.100
Highlands	5630	Macbeth Associates, Ltd	A415	G	0.063	0.107	0.107
Highlands	5638	Running W Citrus Limited Partnership	A415	G	1.442	1.716	1.716
Highlands	5639	734 LMC Groves, LLC	A415	G	0.663	0.731	0.731
Highlands	5676	7l Lake Placid LLC	A415	G	0.769	2.483	2.483
Highlands	5719	Ward's Groves, LLC	A415	G	0.370	0.341	0.341
Highlands	5720	Emmett & Arost Groves, LLC	A415	G	0.092	0.105	0.105
Highlands	5878	Charles L. and Anne D. Reynolds	A415	S	0.069	0.107	0.107
Highlands	5905	Perry Brothers	A415	G	0.137	0.174	0.174
Highlands	5920	Pioneer Grove, Inc	A415	G	0.337	0.292	0.292
Highlands	5999	Watters Groves, Inc	A415	G	0.060	0.100	0.100
Highlands	5999	Watters Groves, Inc	A415	S	0.015	0.100	0.100
Highlands	6031	PAI Lake Placid Groves LLC	A415	G	2.383	1.830	1.830
Highlands	6146	Anne D. Reynolds Trust	A415	G	0	0.093	0.093
Highlands	6146	Anne D. Reynolds Trust	A415	S	0.067	0.093	0.093
Highlands	6147	Sree Govardhan LLC	A415	G	0.085	0.240	0.240
Highlands	6154	Buck Lake Citrus, Inc	A415	G	0.175	0.183	0.183
Highlands	6160	LDS Land Trust	A415	G	0	0.099	0.099
Highlands	6162	Cow Slough, Inc	A415	G	0.124	0.464	0.464
Highlands	6165	Trigen Investments, LLC	A415	G	0.726	0.759	0.759
Highlands	6166	Smoak Groves, Inc	A415	G	0.198	0.217	0.217
Highlands	6167	Edward L. Smoak, Trstee of the Edward L. Smoak Revocable Trust	A415	G	0.111	0.166	0.166
Highlands	6172	Bear's Den Groves, Inc	A415	G	0.001	0.078	0.078
Highlands	6172	Bear's Den Groves, Inc	A415	S	0	0.078	0.078
Highlands	6173	Thelma C. Raley, Inc	A415	G	0.001	0.106	0.106
Highlands	6173	Thelma C. Raley, Inc	A415	S	0.012	0.106	0.106

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	6176	Cow Slough, Inc	A415	G	0.653	0.620	0.620
Highlands	6176	Cow Slough, Inc	A415	S	0.044	0.620	0.620
Highlands	6179	Smoak Groves Inc	A415	G	0.289	0.255	0.255
Highlands	6179	Smoak Groves Inc	A415	S	0	0.255	0.255
Highlands	6189	T/K Reynolds; C/A Reynold S/B Bullard	A415	G	0.074	0.117	0.117
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	G	0.305	5.191	5.191
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	S	3.466	5.191	5.191
Highlands	6211	Ben Hill Griffin, Inc	A415	G	0.196	0.275	0.275
Highlands	6234	Smoak Groves, Inc	A415	G	0.089	0.095	0.095
Highlands	6320	Davis Enterprises, Inc	A415	G	0.275	0.277	0.277
Highlands	6409	Perry Cattle, LLC	A415	G	0.165	0.223	0.223
Highlands	6432	Heartland Park LLC	A415	G	0	0.120	0.120
Highlands	6516	Carl Wilburn	A415	G	0.107	0.154	0.154
Highlands	6827	PAI Lake Placid Groves LLC	A415	G	0.259	0.235	0.235
Highlands	6957	Scarborough Investments, Inc	A415	G	0.027	0.414	0.414
Highlands	7111	Griffin Family Limited Partnership	A415	G	0.145	0.173	0.173
Highlands	7112	Emmett & Arost Groves, LLC	A415	G	0.090	0.101	0.101
Highlands	7515	South Florida Sod, Inc	A525	G	0	0.319	0.319
Highlands	7580	CLP Citrus Inc & Sebring Citrus Ranch LLC	A415	G	0.110	0.469	0.469
Highlands	7615	Boston Mining Company	A415	G	0.086	0.089	0.089
Highlands	7682	Perry Mason Groves, Inc	A415	G	0.093	0.139	0.139
Highlands	7693	Lo Brothers Enterprises Inc	A415	G	0.050	0.063	0.063
Highlands	7874	JJW Inc	A415	G	0.139	0.093	0.093
Highlands	8136	Crutchfield Groves, Inc	A415	G	0.189	0.231	0.231
Highlands	8268	Crutchfield Groves, Inc	A415	G	0.095	0.130	0.130
Highlands	8298	James Dubose	A460	G	0	0.037	0.037
Highlands	8394	Glenn O Murphy Partnership Ltd	A415	G	0.037	0.173	0.173
Highlands	8442	Lettuce Creek Cattle Co.& Ridgeland Ag Corp	A415	S	0.044	0.395	0.395

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	8787	Stephens Groves, Inc	A415	G	0.169	0.269	0.269
Highlands	8868	Rafter T. Realty Inc	A525	G	0	0.269	0.269
Highlands	8930	Hart Pasture, LLC	A490	G	0	0.390	0.390
Highlands	8957	Dressel Groves	A415	G	0.111	0.201	0.201
Highlands	9124	Pyrus Agricultural LLC	A470	G	0.100	0.355	0.355
Highlands	9167	Bob Paul, Inc	A415	G	0.174	0.193	0.193
Highlands	9174	Davis Enterprises, Inc	A415	G	0.260	0.177	0.177
Highlands	9211	Russell Grove North, Inc	A415	G	0.137	0.128	0.128
Highlands	9302	PAI Lake Placid Groves LLC	A415	G	1.358	2.006	2.006
Highlands	9380	J W Yonce & Sons Farms Inc	A415	G	0.056	0.102	0.102
Highlands	9627	Hauptmann & Thompson Company Inc	A415	G	0.114	0.171	0.171
Highlands	9710	Thelma C. Raley, Inc	A415	G	0.160	0.188	0.188
Highlands	9814	Lake Placid Holding Co	A415	G	0.077	0.120	0.120
Highlands	10027	Quality Turf LC	A525	G	0.599	0.409	0.409
Highlands	10078	The Machado Family Limited Partnership No. 1	A415	G	0.061	0.315	0.315
Highlands	10645	Perry Cattle, LLC	A415	G	0.107	0.174	0.174
Highlands	10676	Craig J. Griffith Rev. Living Trust	A415	G	0.140	0.103	0.103
Highlands	11077	Edsall Groves, Inc	A415	G	0.118	0.120	0.120
Highlands	11089	DP Partners Ltd & PGP Partners Ltd	A415	G	0.127	0.186	0.186
Highlands	11142	Perry Brothers	A415	G	0.059	0.115	0.115
Highlands	11379	J. Ned & Tammy J. Hancock	A415	G	0.107	0.118	0.118
Highlands	11461	Barbara and Stephen Bullard	A415	G	0.132	0.189	0.189
Highlands	11724	Smoak Groves Inc	A415	G	0.265	0.227	0.227
Highlands	11766	Michael Brown	A490	G	0	0.243	0.243
Highlands	12022	Goodfellas Land & Citrus, LLC	A415	G	0.114	0.135	0.135
Highlands	12025	Peter Goldstein	A415	G	0.115	0.101	0.101
Highlands	12996	Jack Paul Properties, Inc	A415	G	0.219	0.285	0.285
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.083	0.240	0.240

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	S	0.077	0.240	0.240
Highlands	13258	Smoak Groves, Inc	A415	G	0.348	0.425	0.425
Highlands	20054	Black Bear Citrus, LLC	A415	G	0.160	0.205	0.205
Highlands	20097	Robert Barben	A410	G	0.145	0.201	0.201
Highlands	20265	Germantown Citrus Partnership	A415	G	0.451	0.405	0.405
Highlands	20608	G & M Groves, Inc	A415	G	0.033	0.035	0.035
Highlands	20726	Southeast AG Management, LLC	A415	G	0.014	0.031	0.031
Highlands County Totals					32.008	Metered, mgd	
					7.942	Estimated, mgd, 336 WUPs	
					39.950	Total, mgd	
Hillsborough	71	Charlie Grimes Farms, LLC	A410	G	0.014	0.020	0.020
Hillsborough	74	SWF1, LLC	A535	G	0.042	0.181	0.181
Hillsborough	74	SWF1, LLC	A535	S	0	0.181	0.181
Hillsborough	75	Glenn Williamson	A56S	G	0.035	0.118	0.118
Hillsborough	85	J.C.Strickland Kocsis	A415	G	0.003	0.032	0.032
Hillsborough	105	Lance H. Ham & Norma G. Ham Revocable Living Trust	A56F	G	0.030	0.067	0.067
Hillsborough	119	Alvin C. and Clinton H. Beauchamp, and Betty J. Felty	A44S	G	0.007	0.040	0.040
Hillsborough	119	Alvin C. and Clinton H. Beauchamp, and Betty J. Felty	A44S	S	0.003	0.040	0.040
Hillsborough	120	Sunripe Growers Corp	A635	G	0.064	0.074	0.074
Hillsborough	147	James R. and Jennie May Harwell	A58S	G	0.036	0.048	0.048
Hillsborough	162	Loop Farms, LLC	A56S	G	0.341	0.455	0.455
Hillsborough	179	E.W. Simmons, III and Carol Simmons	A535	G	0.131	0.188	0.188
Hillsborough	181	Helen Geraldine Mitchell	A535	G	0.031	0.071	0.071
Hillsborough	182	E. W. Simmons Farms, Inc	A58S	G	0.108	0.179	0.179
Hillsborough	192	Gracepoint Plant City	A410	G	0	0.018	0.015
Hillsborough	200	Penny Fuller	A415	G	0	0.053	0.053
Hillsborough	201	Trapnell Road Plant City, LLC	A535	G	0.027	0.105	0.105
Hillsborough	263	Carlton Family 2012 Irrevocable Trust	A535	G	0.165	0.164	0.164

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	274	John D Lawrence Trustee	A535	G	0.059	0.110	0.110
Hillsborough	274	John D Lawrence Trustee	A535	S	0	0.110	0.110
Hillsborough	277	Gary R & Terri L Parke	A56S	G	0.003	0.080	0.080
Hillsborough	286	Kenneth Alred	A44S	G	0.056	0.123	0.123
Hillsborough	287	John Holland	A415	G	0	0.008	0.008
Hillsborough	289	Michael Shaw	A480	G	0.020	0.041	0.041
Hillsborough	297	Astin Strawberry Property Management LLC	A535	G	0	0.146	0.146
Hillsborough	297	Astin Strawberry Property Management LLC	A535	S	0	0.146	0.146
Hillsborough	360	Astin Strawberry Property Management LLC	A470	G	0.912	2.271	2.271
Hillsborough	360	Astin Strawberry Property Management LLC	A470	S	0	2.271	2.271
Hillsborough	362	Ruby Jean Redman	A535	G	0.021	0.063	0.063
Hillsborough	362	Ruby Jean Redman	A535	S	0	0.063	0.063
Hillsborough	366	Wilbur A. Smith and Nelda B. Smith, Trustees	A535	G	0.016	0.028	0.028
Hillsborough	381	G & G Farms, LLC	A535	G	0.063	0.107	0.107
Hillsborough	390	Sweet Life Farms, LLC	A535	G	0.268	0.382	0.382
Hillsborough	390	Sweet Life Farms, LLC	A535	S	0.003	0.382	0.382
Hillsborough	411	Hillsborough County Real Estate Dept	A495	G	0	0.277	0.277
Hillsborough	417	Benson & Debbie Dukes	A535	G	0.022	0.048	0.048
Hillsborough	495	Bonnie Faye Wetherington Trust	A535	G	0.035	0.159	0.159
Hillsborough	500	Lacey Blue Farms, LLC	A535	G	0.021	0.050	0.050
Hillsborough	522	Wm K Keene Rev. Trust	A535	G	0.019	0.078	0.078
Hillsborough	526	R G Moll & Family Inc	A535	G	0.064	0.338	0.338
Hillsborough	530	Kip & Stephanie Keene	A535	G	0.020	0.070	0.070
Hillsborough	534	Farkas Groves, Inc	A415	G	0	0.031	0.031
Hillsborough	535	Farkas Groves, Inc	A410	G	0.044	0.083	0.083
Hillsborough	565	Medley Groves, Inc	A415	G	0	0.047	0.047
Hillsborough	566	Robert Marvin Dykes and Linda Medley Dykes	A415	G	0	0.015	0.015
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	G	0.011	0.039	0.039

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	S	0.048	0.039	0.039
Hillsborough	605	Virginia A & Edward Zagar	A415	G	0	0.016	0.016
Hillsborough	650	Gladys Brown Stanaland	A535	G	0.004	0.024	0.024
Hillsborough	654	Council Bay Farms LTD	A56S	G	0.052	0.299	0.299
Hillsborough	655	Farmland Reserve Inc	A56S	G	0.037	0.693	0.693
Hillsborough	656	Suburban Land Preserve Inc	A56S	G	0.326	0.940	0.940
Hillsborough	659	Farmland Reserve, Inc	A465	G	1.836	1.940	1.940
Hillsborough	659	Farmland Reserve, Inc	A465	S	0	1.940	1.940
Hillsborough	660	Farmland Reserve, Inc	A56S	G	0.074	0.498	0.495
Hillsborough	660	Farmland Reserve Inc	A56S	S	0	0.498	0.495
Hillsborough	662	Donald & Mary Shuman Inc	A415	G	0	0.206	0.206
Hillsborough	689	Hillsborough County School Board	A535	G	0.002	0.150	0.004
Hillsborough	739	Three Star Farms Inc	A535	G	0.198	0.368	0.368
Hillsborough	739	Three Star Farms Inc	A535	S	0.011	0.368	0.368
Hillsborough	760	Wilbur Brantley as Trustee of the W & E Groves Land Trust	A655	G	0.009	0.223	0.223
Hillsborough	770	Franklin Properties of Hillsborough County, LLC	A655	G	0.061	0.183	0.183
Hillsborough	786	Kareyann Ellison	A655	G	0.007	0.039	0.039
Hillsborough	786	Kareyann Ellison	A655	S	0	0.039	0.039
Hillsborough	788	Hinton Enterprises of Sydney Inc	A535	G	0	0.076	0.076
Hillsborough	788	Hinton Enterprises of Sydney Inc	A535	S	0.054	0.076	0.076
Hillsborough	836	Elias & Lorena Gutierrez	A535	G	0	0.071	0.071
Hillsborough	836	Elias & Lorena Gutierrez	A535	S	0.006	0.071	0.071
Hillsborough	840	Corrie L. Lariscy	A535	G	0.030	0.035	0.035
Hillsborough	857	Fl Strawberry Res & Ed Foundation Inc	A535	G	0.031	0.042	0.042
Hillsborough	865	Marcus Glenn and Sarah Francis Williamson	A56S	G	0.095	0.187	0.187
Hillsborough	870	Blanche S Oswald Revocable Trust	A535	G	0.044	0.053	0.053
Hillsborough	873	Stephen Lindsey	A655	G	0	0.090	0.090
Hillsborough	880	Sultenfuss Ltd	A415	G	0	0.312	0.312

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	891	Sam Astin III & Buffy S Astin	A535	G	0.093	0.163	0.163
Hillsborough	906	Edison S. Terry	A535	G	0.042	0.042	0.042
Hillsborough	953	Cameron Citrus Corp	A415	G	0.007	0.084	0.084
Hillsborough	953	Cameron Citrus Corp	A415	S	0.002	0.084	0.084
Hillsborough	969	Uy Q Tran, Tris D. Tran, and Hang Ngo	A470	G	0.023	0.121	0.121
Hillsborough	979	D & L Land Partners Inc	A415	G	0	0.037	0.037
Hillsborough	985	Diehl Family LP	A56S	G	1.200	2.725	2.724
Hillsborough	992	Hoang Le	A58H	G	0.018	0.025	0.025
Hillsborough	1057	Dot Walden Farms, Inc	A495	G	0.103	0.153	0.153
Hillsborough	1063	Sultenfuss, Ltd	A415	G	0	0.056	0.056
Hillsborough	1120	Shell Point Ruskin LLC	A495	G	0	0.116	0.116
Hillsborough	1124	Artesian Farms Inc	A56S	G	0	0.785	0.785
Hillsborough	1130	Astin Strawberry Property Management LLC	A535	G	0.093	0.106	0.106
Hillsborough	1137	Richard A. & Peggy F. Hall	A415	G	0	0.012	0.012
Hillsborough	1217	GloFish, LLC c/o Spectrum Brands, Inc	L661	G	0.174	0.195	0.195
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	G	0.117	0.235	0.235
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	S	0.043	0.235	0.235
Hillsborough	1367	Hickory Hills Land Company	A490	G	0	0.392	0.392
Hillsborough	1432	Three Star Farms Inc	A51S	G	0.023	0.074	0.074
Hillsborough	1432	Three Star Farms Inc	A51S	S	0.007	0.074	0.074
Hillsborough	1444	G & G Farms, LLC	A535	G	0.115	0.245	0.245
Hillsborough	1444	G & G Farms, LLC	A535	S	0.022	0.245	0.245
Hillsborough	1445	Rocking V Ranch, LLC	A535	G	0.037	0.075	0.075
Hillsborough	1446	Patoo Enterprises Inc	A58S	G	0	0.030	0.030
Hillsborough	1451	L & J Citrus and Cattle LLC	A415	G	0.001	0.087	0.087
Hillsborough	1464	Farkas Citrus Nursery, Inc	A480	G	0	0.036	0.036
Hillsborough	1489	Flat Land, Inc	A535	G	0.025	0.033	0.033
Hillsborough	1504	Freda Dukes Schofield As Trustee	A470	G	0.012	0.104	0.104

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	1544	Double Screen Associates, LLLP	A415	G	0	0.147	0.147
Hillsborough	1575	Albert Quagliani Life Estate	A535	G	0.044	0.073	0.073
Hillsborough	1577	Shade Tree Investment Properties, LLC	A535	G	0.028	0.094	0.094
Hillsborough	1577	Shade Tree Investment Properties, LLC	A535	S	0.016	0.094	0.094
Hillsborough	1626	Albert M. Quagliani Trust Agreement	A535	G	0.018	0.140	0.140
Hillsborough	1628	Ray K. Drawdy Revocable Living Trust	A58S	G	0	0.105	0.105
Hillsborough	1629	Ruis Drawdy	A58S	G	0.042	0.065	0.065
Hillsborough	1629	Ruis Drawdy	A58S	S	0	0.065	0.065
Hillsborough	1650	G & G Farms, LLC	A535	G	0.059	0.088	0.088
Hillsborough	1780	Hillsborough County BOCC	A56F	G	0	0.559	0.559
Hillsborough	1836	Rood Family Limited Partnership	A56S	G	0.275	1.873	1.873
Hillsborough	1839	Frank Diehl	A410	G	0.065	0.112	0.112
Hillsborough	1840	Berry Bay Farm @ Jaymar, Inc	A535	G	0.059	0.364	0.364
Hillsborough	1840	Berry Bay Farm @ Jaymar, Inc	A535	S	0.003	0.364	0.364
Hillsborough	1869	Circle S Farms Ltd	A535	G	0.081	0.179	0.179
Hillsborough	1877	William A. & Amelia R. Mixon Revocable Living Trust	A535	G	0	0.176	0.176
Hillsborough	1885	Winfred & Sue Harrell Investments, LLLP	A480	G	0.048	0.156	0.156
Hillsborough	1956	Conrad H., Sherry, Scott M. and Kay D. Varnum	A535	G	0.077	0.179	0.179
Hillsborough	1960	University of South Florida	A485	G	0.021	2.364	0.027
Hillsborough	1960	University of South Florida	A485	S	0	2.364	0.027
Hillsborough	1995	Victoria Goodson	A535	G	0.119	0.080	0.080
Hillsborough	2045	Midway Investment Company, Inc	A535	G	0.058	0.306	0.305
Hillsborough	2045	Midway Investment Company, Inc	A535	S	0	0.306	0.305
Hillsborough	2133	A.H. and Patricia Varnum LTD Partnership	A535	G	0.157	0.202	0.202
Hillsborough	2189	HHR Development Corp	A535	G	0	0.065	0.065
Hillsborough	2197	Young Farms/Yu An Farms, Co	A56F	G	0	0.353	0.353
Hillsborough	2205	Mathis Land Group, LLC	A410	G	0.032	0.016	0.016
Hillsborough	2206	The Double E Corp	A415	G	0	0.080	0.080

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	2273	Lucille E. Reese Trustee, Rex Reese, and Rand Reese	A415	G	0.011	0.072	0.072
Hillsborough	2291	Mattie Williams 2001 Trust, Susan & W. Keith Williams Trustees	A51S	G	0.019	0.066	0.066
Hillsborough	2292	Mattie Williams 2001 Trust, Susan & W. Keith Williams Trustees	A53S	G	0.066	0.111	0.111
Hillsborough	2293	Mattie Williams 2001 Trust, Susan & W. Keith Williams Trustees	A51S	G	0.070	0.136	0.136
Hillsborough	2321	Griffin Investment Properties, Ltd	A53S	G	0.094	0.135	0.135
Hillsborough	2322	Griffin Investment Properties, Ltd	A53S	G	0.018	0.035	0.035
Hillsborough	2391	The Bailey Family Foundation of Tampa Inc	A53S	G	0.018	0.051	0.051
Hillsborough	2395	George Kunchandy	A53S	G	0.044	0.091	0.091
Hillsborough	2486	Circle G Farm & Ranch, LLC	A53S	G	0.318	0.910	0.910
Hillsborough	2486	Circle G Farm & Ranch, LLC	A53S	S	0.138	0.910	0.910
Hillsborough	2516	Astin Strawberry Property Management, LLC	A655	G	0.066	0.236	0.236
Hillsborough	2541	Marlene Mathews, Trustee	A53S	G	0.039	0.121	0.121
Hillsborough	2558	Magnolia Hills Properties, LLC	A415	G	0	0.009	0.009
Hillsborough	2563	Randall Paul Bennett and Norma Gayle Bennett	A53S	G	0.010	0.041	0.041
Hillsborough	2564	MadMac Property Holdings	A58S	G	0	0.214	0.214
Hillsborough	2566	Hakeem Investments Florida, LLLP	A445	G	0	0.077	0.077
Hillsborough	2576	Holly Lane Tree Farm, LLC	A53S	G	0.033	0.080	0.080
Hillsborough	2581	Wayne G. Moss	A53S	G	0.181	0.304	0.304
Hillsborough	2581	Wayne G. Moss	A53S	S	0	0.304	0.304
Hillsborough	2654	Astin Strawberry Property Management, LLC	A53S	G	0.158	0.306	0.306
Hillsborough	2654	Astin Strawberry Property Management, LLC	A53S	S	0	0.306	0.306
Hillsborough	2670	Donald M & Deborah L Balaban	A53S	G	0.191	0.305	0.305
Hillsborough	2670	Donald M & Deborah L Balaban	A53S	S	0	0.305	0.305
Hillsborough	2714	Hillsborough County BOCC	A525	G	0.198	1.897	1.897
Hillsborough	2714	Hillsborough County BOCC	A525	S	0.223	1.897	1.897
Hillsborough	2719	Larry & Judith Ennis	A53S	G	0	0.031	0.031
Hillsborough	2719	Larry & Judith Ennis	A53S	S	0.020	0.031	0.031
Hillsborough	2739	Hinton Enterprises of Sydney, Inc	A56S	G	0.034	0.092	0.092

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	2768	Grimes Holdings, LLC	A535	G	0.039	0.079	0.079
Hillsborough	2944	Velma Newsome Groves, Inc	A535	G	0.028	0.036	0.036
Hillsborough	2945	Raymond Clint Stephens	A480	G	0.002	0.006	0.006
Hillsborough	2951	Lawrence Collins	A535	G	0.016	0.036	0.036
Hillsborough	2963	Trapnell Road Plant City, LLC	A535	G	0.051	0.081	0.081
Hillsborough	2963	Trapnell Road Plant City, LLC	A535	S	0.023	0.081	0.081
Hillsborough	3011	Mark Baker	A535	G	0.001	0.047	0.047
Hillsborough	3055	Speedling, Inc	A487	G	0.051	0.302	0.296
Hillsborough	3057	Ocean Breeze Properties LLC	A470	G	0.128	0.280	0.280
Hillsborough	3060	The Kim Family Living Trust Fund, UTD	A480	G	0.110	0.146	0.146
Hillsborough	3100	L & J Citrus and Cattle LLC	A415	G	0	0.085	0.085
Hillsborough	3107	Sweet Life Farms, LLC	A535	G	0.150	0.096	0.096
Hillsborough	3108	The Bryant Family Trust	A470	G	0.020	0.035	0.035
Hillsborough	3120	James Newsome, Trustee	A535	G	0	0.146	0.146
Hillsborough	3123	G & G Farms, LLC	A535	G	0.082	0.223	0.223
Hillsborough	3217	Strawberry Red Ranch LLC	A535	G	0.132	0.304	0.304
Hillsborough	3217	Strawberry Red Ranch LLC	A535	S	0	0.304	0.304
Hillsborough	3251	Glenn & Frances Williamson	A535	G	0.202	0.597	0.597
Hillsborough	3251	Glenn & Frances Williamson	A535	S	0.100	0.597	0.597
Hillsborough	3262	Paul Tindle	A415	G	0	0.013	0.013
Hillsborough	3262	Paul Tindle	A415	S	0	0.013	0.013
Hillsborough	3313	Porter and Sara Hare	A535	G	0.048	0.094	0.094
Hillsborough	3317	Andrew B & Marcella J Scott	A415	G	0	0.044	0.044
Hillsborough	3330	5-D Tropical Inc	A485	G	0	0.054	0.054
Hillsborough	3355	Paula Fritz	A535	G	0.012	0.082	0.082
Hillsborough	3386	Tampa Electric Company	A535	G	0	0.090	0.090
Hillsborough	3417	Ag-Mart Produce, Inc	A56S	G	0.523	1.477	1.477
Hillsborough	3417	Ag-Mart Produce, Inc	A56S	S	0.061	1.477	1.477

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	3430	Yu An Farms, Co	A56F	G	0	0.146	0.146
Hillsborough	3453	George and Patricia Sprouse	A535	G	0	0.032	0.032
Hillsborough	3453	George and Patricia Sprouse	A535	S	0	0.032	0.032
Hillsborough	3485	Ralph Randall Jr	A535	G	1.045	0.087	0.087
Hillsborough	3578	Jean Fulford	A480	G	0.025	0.150	0.150
Hillsborough	3596	Sweet Life Farms, LLC	A44S	G	0.034	0.074	0.074
Hillsborough	3615	Astin Strawberry Property Management LLC	A535	G	0.001	0.070	0.070
Hillsborough	3652	George H. & Patricia A. Sprouse	A535	G	0	0.084	0.084
Hillsborough	3686	Eleanor C Poppell Rev Living Trust	L600	G	0	0.001	0.001
Hillsborough	3700	John & Evanett Griffin	A535	G	0.008	0.007	0.007
Hillsborough	3712	Sam Astin III & Buffy S Astin	A635	G	0.142	0.374	0.374
Hillsborough	3716	Donn W & Janet L Goodson	A535	G	0.082	0.122	0.122
Hillsborough	3725	Ferris S. and Peggy A. Waller	A535	G	0.049	0.092	0.092
Hillsborough	3741	The Montesco Group LLC	A535	G	0.021	0.106	0.106
Hillsborough	3892	Pate Family Partnership	A470	G	0.049	0.065	0.065
Hillsborough	3997	Marvin G. & Linda S. Brown, Trustees	A470	G	0.082	0.123	0.123
Hillsborough	4004	MG & SF Williamson Family, LLC	A56S	G	0.059	0.114	0.114
Hillsborough	4261	Loop Farms, LLC	A535	G	0.159	0.386	0.386
Hillsborough	4261	Loop Farms, LLC	A535	S	0	0.386	0.386
Hillsborough	4363	Teddy Lincks Investments, LLC	A535	G	0.015	0.024	0.024
Hillsborough	4421	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.176	0.613	0.611
Hillsborough	4459	Willie W & Lavone W Wingate	A535	G	0.010	0.039	0.039
Hillsborough	4483	Russell and Jamie Goodson	A470	G	0.044	0.118	0.118
Hillsborough	4485	Michael Perry	A415	G	0	0.014	0.014
Hillsborough	4512	Calla Hudas	A415	G	0.001	0.006	0.006
Hillsborough	4522	G & D Farms, Inc	A535	G	0.014	0.038	0.038
Hillsborough	4536	Dover Land, LLC	A535	G	0.124	0.216	0.216
Hillsborough	4622	Borchard Brothers, LLC	A535	G	0.006	0.032	0.032

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	4640	Sam Astin, III	A535	G	0.034	0.062	0.062
Hillsborough	4689	Council Growers Inc	A525	G	0.086	0.312	0.312
Hillsborough	4714	Tampa Electric Company	A535	G	0	0.429	0.429
Hillsborough	4716	Hawk Produce, Inc	A635	G	0.001	0.085	0.085
Hillsborough	4723	Berkshire Investments	A651	G	0.088	0.390	0.390
Hillsborough	4748	William K. Keene And Mary Laverne Lett Keene	A535	G	0.098	0.135	0.135
Hillsborough	4758	SWF2, LLC	A535	G	0.026	0.079	0.079
Hillsborough	4778	Mark Wesley Shelton et al	A535	G	0	0.068	0.068
Hillsborough	4821	Sydney Farms, Inc	A470	G	0.185	0.418	0.418
Hillsborough	4821	Sydney Farms, Inc	A470	S	0.015	0.418	0.418
Hillsborough	4829	Alafia Berry Farms, LLC	A535	G	0.025	0.100	0.100
Hillsborough	4829	Alafia Berry Farms, LLC	A535	S	0.031	0.100	0.100
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	G	0.061	0.179	0.179
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	S	0.012	0.179	0.179
Hillsborough	4878	Larry & Judith Ennis	A535	G	0.032	0.065	0.065
Hillsborough	4961	Harvey Carr	A651	G	0.009	0.082	0.082
Hillsborough	4961	Harvey Carr	A651	S	0.003	0.082	0.082
Hillsborough	4996	Wayne Moss	A470	G	0	0.328	0.328
Hillsborough	4996	Wayne Moss	A470	S	0	0.328	0.328
Hillsborough	5156	Wylie L. and Carol A. Hinton	A535	G	0.040	0.411	0.411
Hillsborough	5156	Wylie L. and Carol A. Hinton	A535	S	0.026	0.411	0.411
Hillsborough	5204	Glenn & Frances Williamson	A535	G	0.071	0.123	0.123
Hillsborough	5237	Fidel & Hilda Castillo	A470	G	0.049	0.179	0.179
Hillsborough	5248	Stine Family Partnership, Ltd	A535	G	0.019	0.063	0.063
Hillsborough	5250	Charles G. Grimes Revocable Trust	A535	G	0.019	0.086	0.086
Hillsborough	5250	Charles G. Grimes Revocable Trust	A535	S	0	0.086	0.086
Hillsborough	5258	Samuel D Williamson and Anne M Williamson	A655	G	0.052	0.152	0.152
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	G	0.146	0.219	0.219

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	S	0.059	0.219	0.219
Hillsborough	5386	Samuel D Williamson and Anne M Williamson	A535	G	0.070	0.233	0.233
Hillsborough	5386	Samuel D Williamson and Anne M Williamson	A535	S	0.021	0.233	0.233
Hillsborough	5397	McIntosh Road Dover, LLC	A58S	G	0.032	0.195	0.195
Hillsborough	5429	Lee Gillman Jr. and Dixie Varnum Gillman	A535	G	0.042	0.102	0.102
Hillsborough	5429	Lee Gillman Jr. and Dixie Varnum Gillman	A535	S	0.024	0.102	0.102
Hillsborough	5800	Balm Grove, LLC	A525	G	0	0.418	0.418
Hillsborough	5859	MacDonald Training Center Properties, Inc	A480	G	0	0.025	0.025
Hillsborough	5944	Pinai & Chuenkamol Nomchaury	A485	G	0	0.015	0.015
Hillsborough	6007	Felton C Walker Jr	A56F	G	0.245	0.354	0.354
Hillsborough	6043	Sassy Fruit Company	A415	G	0.051	0.062	0.062
Hillsborough	6095	Frances M. White	A535	G	0.073	0.253	0.253
Hillsborough	6100	City of Tampa	L715	G	0.001	0.181	0.003
Hillsborough	6130	SWF4&6, LLC	A535	G	0.037	0.098	0.098
Hillsborough	6138	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.035	0.051	0.051
Hillsborough	6203	Cypress Ridge Ranch, LLLP	A56S	G	0	0.839	0.839
Hillsborough	6209	Homer Wall	A535	G	0.011	0.034	0.034
Hillsborough	6238	Trapnell Road Plant City, LLC	A56S	G	0.071	0.174	0.174
Hillsborough	6252	Dumke, Chad C. and Angela D.	A410	G	0.056	0.057	0.057
Hillsborough	6266	S.A.C.K. Farm Inc	A535	G	0.034	0.112	0.112
Hillsborough	6266	S.A.C.K. Farm Inc	A535	S	0.014	0.112	0.112
Hillsborough	6313	BBS Farms, Inc	A470	G	0	0.262	0.262
Hillsborough	6313	BBS Farms, Inc	A470	S	0.075	0.262	0.262
Hillsborough	6323	Terry Neal & Colleen Gail Fulton	A57F	G	0.028	0.054	0.054
Hillsborough	6324	Robert H. & Peggy E. Parke	A535	G	0.007	0.029	0.029
Hillsborough	6337	G. Marvin Brown Revocable Trust	A535	G	0.034	0.249	0.249
Hillsborough	6337	G. Marvin Brown Revocable Trust	A535	S	0.050	0.249	0.249
Hillsborough	6341	Johnny Bryant	A535	G	0.004	0.038	0.038

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	6348	Dwight and Mary Aman	A535	G	0	0.101	0.101
Hillsborough	6360	Huntley Properties, LLC	A56S	G	0	0.104	0.104
Hillsborough	6375	John R. Griffin	A535	G	0.010	0.036	0.036
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	G	0.067	0.170	0.170
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	S	0.008	0.170	0.170
Hillsborough	6421	Jamie and Amanda Bell	A535	G	0.012	0.033	0.033
Hillsborough	6427	Jeanette Bennett Trustee	A415	G	0.003	0.028	0.028
Hillsborough	6428	Astin Strawberry Property Management, LLC	A535	G	0.042	0.089	0.089
Hillsborough	6428	Astin Strawberry Property Management, LLC	A535	S	0	0.089	0.089
Hillsborough	6443	Robert L. & Gloria J. Platt	A480	G	0.125	0.211	0.211
Hillsborough	6443	Robert L. & Gloria J. Platt	A480	S	0.010	0.211	0.211
Hillsborough	6449	Lowell Kinard	A535	G	0.008	0.082	0.082
Hillsborough	6470	Donald & Katherine Soddors	A535	G	0.008	0.027	0.027
Hillsborough	6479	Betty Astin	A535	G	0.025	0.053	0.053
Hillsborough	6479	Betty Astin	A535	S	0.041	0.053	0.053
Hillsborough	6480	Betty Astin, Trustee	A535	G	0.071	0.164	0.156
Hillsborough	6480	Betty Astin, Trustee	A535	S	0.019	0.164	0.156
Hillsborough	6500	R L and Evelyn Cain	A480	G	0.019	0.033	0.033
Hillsborough	6523	Loop Farms, LLC	A470	G	0.085	0.169	0.169
Hillsborough	6525	Gary and Vera Stallings	A58H	G	0.039	0.052	0.052
Hillsborough	6534	Simmons Properties, LLC	A415	G	0	0.025	0.025
Hillsborough	6541	Jeffrey S. Wacaser and Alica J. Wacaser	A655	G	0.020	0.064	0.064
Hillsborough	6563	Scott And Susan Dumke	A410	G	0.434	0.047	0.047
Hillsborough	6563	Scott And Susan Dumke	A410	S	0.002	0.047	0.047
Hillsborough	6622	Marcus G & Sarah F Williamson	A535	G	0	0.161	0.161
Hillsborough	6627	George J. Peterson	A535	G	0.049	0.050	0.050
Hillsborough	6678	Farmland Reserve, Inc	A655	G	0.449	0.382	0.382
Hillsborough	6694	Sarah Alice H Hall and Joy L Ford, Trustees	A535	G	0	0.025	0.025

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	6708	Strawberry Red Ranch LLC	A535	G	0.006	0.164	0.164
Hillsborough	6708	Strawberry Red Ranch LLC	A535	S	0	0.164	0.164
Hillsborough	6743	Jimmy Garrison	A410	G	0.030	0.035	0.035
Hillsborough	6748	Mary M Eppard	A535	G	0.013	0.022	0.022
Hillsborough	6767	Grady & Marie B. Harrell	A470	G	0.014	0.082	0.082
Hillsborough	6767	Grady & Marie B. Harrell	A470	S	0.128	0.082	0.082
Hillsborough	6768	Mary L Keene Trustee	A535	G	0.013	0.077	0.077
Hillsborough	6779	Elmer S Rogers and Margaret G Rogers	A58S	G	0.017	0.052	0.052
Hillsborough	6781	Mathis Land Group, LLC	A535	G	0.031	0.071	0.071
Hillsborough	6807	Charlie Grimes Farms, LLC	A535	G	0	0.049	0.049
Hillsborough	6809	Sam Astin III and Buffy Astin	A470	G	0.020	0.106	0.106
Hillsborough	6809	Sam Astin III and Buffy Astin	A470	S	0	0.106	0.106
Hillsborough	6817	Vivian C Patisaul, Trustee The Patisaul Family Trust	A58S	G	0.056	0.065	0.065
Hillsborough	6825	Darryl F. Williams, and William K. Williams and Laural Williams	A535	G	0.019	0.035	0.035
Hillsborough	6831	Astin Strawberry Property Management, LLC	A535	G	0.030	0.061	0.061
Hillsborough	6849	Harold and Martha Fisher Rev Trust	A535	G	0.006	0.036	0.036
Hillsborough	6851	Robert M & Mary Jane Rogers	A480	G	0.188	0.276	0.276
Hillsborough	6855	Gary E. and Presley A. Glover	A415	G	0	0.016	0.016
Hillsborough	6860	Corrie Leroy Lariscy	A535	G	0.031	0.058	0.058
Hillsborough	6860	Corrie Leroy Lariscy	A535	S	0	0.058	0.058
Hillsborough	6892	Andrew Dew Leung, Yeeho Chu & Choo Kok Yeng	A56S	G	0.085	0.532	0.532
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	G	0.023	0.059	0.059
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	S	0.010	0.059	0.059
Hillsborough	7007	Astin Strawberry Property Management, LLC	A535	G	0	0.022	0.022
Hillsborough	7032	Stephen Schmidt	A535	G	0.027	0.092	0.092
Hillsborough	7032	Stephen Schmidt	A535	S	0	0.092	0.092
Hillsborough	7035	BBS Farms, Inc	A470	G	0.052	0.216	0.216
Hillsborough	7049	G & G Farms, LLC	A535	G	0.036	0.120	0.120

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	7055	Willis S. Kirkland, Jr. & Barbara J.-Life Estate	A415	G	0	0.019	0.019
Hillsborough	7058	Gerald Davis, Inc	A480	G	0.054	0.125	0.125
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	G	0.065	0.130	0.130
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	S	0.067	0.130	0.130
Hillsborough	7060	Charlie Grimes Farms, LLC	A535	G	0.008	0.015	0.015
Hillsborough	7082	Robert L and Barbara A Carter, Trustees	A535	G	0.122	0.139	0.139
Hillsborough	7082	Robert L and Barbara A Carter, Trustees	A535	S	0.011	0.139	0.139
Hillsborough	7083	Astin Strawberry Property Management, LLC	A655	G	0.005	0.032	0.032
Hillsborough	7084	Wish Farms Land Holdings, LLC	A535	G	0.022	0.037	0.037
Hillsborough	7102	Robert E & Helen A Parke	A535	G	0.001	0.200	0.200
Hillsborough	7117	Pacific Agricultural Research Corp	A58S	G	0.068	0.139	0.139
Hillsborough	7118	Charlie Grimes Farms, LLC	A535	G	0.045	0.076	0.076
Hillsborough	7135	Brian Haftel, Trustee of the Brian Haftel 2017 Irrevocable Trust	A535	G	0	0.218	0.218
Hillsborough	7150	Cedar Haven Inc	A415	G	0.007	0.014	0.014
Hillsborough	7183	I-4 Ventures, LLC	A490	G	0.086	0.092	0.092
Hillsborough	7184	Manit and Nussara Piluek	A445	G	0	0.014	0.014
Hillsborough	7190	Dennis & Linda L Spivey	A535	G	0.152	0.171	0.171
Hillsborough	7232	Frances White	A535	G	0.156	0.307	0.307
Hillsborough	7232	Frances White	A535	S	0	0.307	0.307
Hillsborough	7239	Riverview Flower Farm Partnershp	A480	G	0.018	0.107	0.107
Hillsborough	7260	Tampa Electric Company	A56S	G	0	0.243	0.243
Hillsborough	7286	Lithia Road Plant City, LLC	A535	G	0.097	0.138	0.138
Hillsborough	7322	William Stanford Fortner	A535	G	0	0.026	0.026
Hillsborough	7374	Edna Sue Willaford Trustee	A415	G	0	0.011	0.011
Hillsborough	7405	Mathis Land Group, LLC	A535	G	0.007	0.056	0.053
Hillsborough	7405	Mathis Land Group, LLC	A535	S	0.005	0.056	0.053
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	G	0.249	0.259	0.259
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	S	0	0.259	0.259

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	7422	David & Joyce Stanaland Family Trust	A410	G	0	0.015	0.015
Hillsborough	7458	Thomas L. and Barbara J. Fulford Trust	A415	G	0	0.012	0.012
Hillsborough	7466	W. A. and Lillie M. Greene	A535	G	0	0.034	0.034
Hillsborough	7467	Arthur Earl Staggs	A535	G	0.059	0.044	0.044
Hillsborough	7486	C.W. Dukes	A535	G	0.009	0.017	0.017
Hillsborough	7511	Elmer & Lorene Lawson	A56S	G	0	0.038	0.038
Hillsborough	7512	Patricia Elliott	A535	G	0	0.097	0.097
Hillsborough	7512	Patricia Elliott	A535	S	0	0.097	0.097
Hillsborough	7516	Fidel & Hilda Castillo	A535	G	0.010	0.032	0.032
Hillsborough	7579	Moss, LLC	A535	G	0.164	0.230	0.230
Hillsborough	7640	Robert H. & Peggy E. Parke	A535	G	0.152	0.275	0.275
Hillsborough	7640	Robert H. & Peggy E. Parke	A535	S	0	0.275	0.275
Hillsborough	7642	Velma Ruth Johnson	A51S	G	0	0.106	0.106
Hillsborough	7642	Velma Ruth Johnson	A51S	S	0.043	0.106	0.106
Hillsborough	7715	Cameron Citrus Corp	A415	G	0	0.023	0.023
Hillsborough	7741	William Perry Stokes	A470	G	0.014	0.041	0.041
Hillsborough	7765	William E. and Judith C. Meek	A655	G	0.035	0.100	0.100
Hillsborough	7765	William E. and Judith C. Meek	A655	S	0	0.100	0.100
Hillsborough	7770	Fidel & Hilda Castillo	A535	G	0.207	0.222	0.222
Hillsborough	7770	Fidel & Hilda Castillo	A535	S	0	0.222	0.222
Hillsborough	7782	The Closshey South 39 Farm, LLC	A535	G	0.055	0.081	0.081
Hillsborough	7782	The Closshey South 39 Farm, LLC	A535	S	0	0.081	0.081
Hillsborough	7820	Pam Dapson	A410	G	0	0.007	0.007
Hillsborough	7842	Theron Bostick and Carolyn Bostick	A535	G	0.005	0.020	0.020
Hillsborough	7880	Samuel D. Williamson and Anna M. Williamson	A51S	G	0.031	0.123	0.123
Hillsborough	7895	GDK Land Trust	A480	G	0.145	0.347	0.347
Hillsborough	7922	Robert R & Janet B Swilley	A410	G	0	0.027	0.027
Hillsborough	7978	Joseph R Goodson & Donna Jo Goodson	A535	G	0.010	0.027	0.027

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	7984	Richard and Stacy DelCastillo	A535	G	0.008	0.016	0.016
Hillsborough	7993	Winfred & Sue Harrell Investments, LLLP	A480	G	0.030	0.020	0.020
Hillsborough	8015	George and Patricia Sprouse	A535	G	0	0.029	0.029
Hillsborough	8016	Dooley Groves	A415	G	0.015	0.126	0.126
Hillsborough	8036	C. Dennis Carlton	A51S	G	0	0.440	0.440
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	G	0.042	0.207	0.207
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	S	0.043	0.207	0.207
Hillsborough	8110	Karon Corner, Successor Trustee of Jo Alice McDonald Rev Trust	A535	G	0.011	0.038	0.038
Hillsborough	8121	William Bailey	A410	G	0	0.009	0.009
Hillsborough	8138	OJ Family Farms, LLC	A535	G	0.057	0.062	0.062
Hillsborough	8161	Gregory & Jennifer Shiver	A480	G	0.011	0.026	0.026
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	G	0.050	0.065	0.065
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	S	0	0.065	0.065
Hillsborough	8173	Astin Strawberry Property Management, LLC	A535	G	0.115	0.228	0.228
Hillsborough	8195	Marilyn and Melissa 2009 Trust	A535	G	0	0.312	0.312
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	G	0.036	0.144	0.144
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	S	0.057	0.144	0.144
Hillsborough	8227	Farkas Investments Inc	A415	G	0	0.017	0.017
Hillsborough	8342	Loop Farms, LLC	A535	G	0.255	0.498	0.489
Hillsborough	8342	Loop Farms, LLC	A535	S	0	0.498	0.489
Hillsborough	8373	Haggard Living Trust	A480	G	0.032	0.055	0.055
Hillsborough	8373	Haggard Living Trust	A480	S	0.046	0.055	0.055
Hillsborough	8410	41 Ruskin, LLC	A487	G	0.013	0.156	0.156
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	G	0.015	0.118	0.118
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	S	0	0.118	0.118
Hillsborough	8445	Tampa Electric Company	A535	G	0	0.371	0.371
Hillsborough	8450	Farmland Reserve, Inc	A58S	G	1.063	3.546	3.546
Hillsborough	8490	Astin Strawberry Property Management	A535	G	0.034	0.058	0.058

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	8492	Ruis L, Linda J, David L, and Marcie K Drawdy	L660	G	0.105	0.254	0.254
Hillsborough	8497	Eljay Properties, LLP	L660	G	0.266	0.475	0.475
Hillsborough	8563	The T.G. and Laverne Robinson Family Partnership, LTD	A415	G	0	0.087	0.047
Hillsborough	8574	Pleasant/Wimauma Groves Ltd	A415	G	0	0.058	0.058
Hillsborough	8575	Edith S Knox, Trustees of Knox Living Trust	A535	G	0.041	0.056	0.056
Hillsborough	8576	Hopewell Baptist Church Inc & Church Old Cemetery Inc	A415	G	0	0.020	0.020
Hillsborough	8578	Wilbur R Reschly	A415	G	0	0.017	0.017
Hillsborough	8591	Richard A & Francine J Grewe	A415	G	0.008	0.011	0.011
Hillsborough	8686	Fresh Pak Produce, Inc	A535	G	0.047	0.082	0.082
Hillsborough	8687	Mary L. Keene as Trustee of the William K. Keene Family Trust	A535	G	0.060	0.101	0.101
Hillsborough	8706	Hillsborough County School Board	A535	G	0.002	0.021	0.021
Hillsborough	8710	Hillsborough County School Board	A466	G	0.064	0.039	0.006
Hillsborough	8717	Hillsborough County School Board	A535	G	0.001	0.023	0.006
Hillsborough	8729	Farmland Reserve, Inc	A56S	G	0	1.064	1.064
Hillsborough	8748	G & D Farms, Inc	A470	G	0.023	0.245	0.245
Hillsborough	8793	Diaz Family Properties, LLC	L660	G	0.008	0.481	0.481
Hillsborough	8810	Dale S. Wright Revocable Living Trust	A495	G	0	0.249	0.249
Hillsborough	8824	William & Barbara Bridges	A535	G	0.013	0.020	0.020
Hillsborough	8842	Winfred & Sue Harrell Investments, LLLP	A480	G	0.035	0.042	0.042
Hillsborough	8842	Winfred & Sue Harrell Investments, LLLP	A480	S	0	0.042	0.042
Hillsborough	8873	Sam Jr & Betty Astin	A535	G	0.111	0.179	0.179
Hillsborough	8873	Sam Jr & Betty Astin	A535	S	0	0.179	0.179
Hillsborough	8910	M&G Berry Farms, LLC	A535	G	0.088	0.181	0.181
Hillsborough	8916	Winfred & Sue Harrell Investments, LLLP	A480	G	0.124	0.088	0.088
Hillsborough	8946	Peggy A. Waller and Ferris S. Waller	A415	G	0	0.067	0.067
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	A535	G	0	0.027	0.025
Hillsborough	8983	Ricardo Aleman and Kathryn Watterson	A415	G	0.015	0.010	0.010
Hillsborough	8999	Hull Citrus Properties, Inc	A58S	G	0.149	0.301	0.301

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	9019	Wayne Moss	A470	G	0.049	0.177	0.177
Hillsborough	9024	Travis Council	A56S	G	0.064	0.112	0.112
Hillsborough	9056	Leonard H Marks Trustee	A535	G	0.030	0.082	0.082
Hillsborough	9062	Thomas F & Ellen S Folsom	A415	G	0	0.039	0.039
Hillsborough	9102	Patty Richey	A535	G	0.011	0.054	0.054
Hillsborough	9194	R. P. Co., Inc	L660	G	0.159	0.685	0.685
Hillsborough	9224	The Charles G. Grimes, Sr. Family LTP	A535	G	0.135	0.459	0.459
Hillsborough	9238	Jose A & Teresa Chavez Hernandez	A535	G	0.016	0.052	0.052
Hillsborough	9277	Marian Jeanette Hall	A635	G	0.013	0.058	0.058
Hillsborough	9278	Elias & Lorena Gutierrez	A535	G	0.022	0.044	0.044
Hillsborough	9286	Wayne Moss	A535	G	0.009	0.014	0.014
Hillsborough	9315	Wilmer E & Joyce Woodard	A535	G	0.007	0.022	0.022
Hillsborough	9323	RJJAMS, LLC	A655	G	0.041	0.053	0.053
Hillsborough	9456	Wanda M Stewart Trustee Uad 8-08	A535	G	0.029	0.085	0.085
Hillsborough	9489	Holmberg Farms Inc	A480	G	0.278	1.059	1.059
Hillsborough	9489	Holmberg Farms Inc	A480	S	0.200	1.059	1.059
Hillsborough	9534	Robert James & Margaret Coe Wilder	A415	G	0	0.013	0.013
Hillsborough	9554	Robert W. & Bette J. Allen	A655	G	0.014	0.052	0.052
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	G	0.262	0.581	0.581
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	S	0.016	0.581	0.581
Hillsborough	9611	Valle Del Sol Properties, LLC	A535	G	0.064	0.186	0.186
Hillsborough	9625	Uleric Eugene and Martha Cowart	A415	G	0.005	0.013	0.013
Hillsborough	9633	G&D Farms, Inc	A535	G	0.202	0.336	0.336
Hillsborough	9633	G&D Farms, Inc	A535	S	0	0.336	0.336
Hillsborough	9655	Loop Farms, LLC	A480	G	0.031	0.106	0.106
Hillsborough	9658	Keel Farms, Inc	A410	G	0.023	0.069	0.063
Hillsborough	9674	Charlie Grimes Farms, LLC	A535	G	0.041	0.119	0.119
Hillsborough	9701	Branch Land Company, LLC	A415	G	0	0.030	0.030

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	9811	David R. & Joyce Stanaland Family Trust	A410	G	0	0.013	0.013
Hillsborough	9875	Grace Community Church of Brandon, Inc	A51S	G	0	0.047	0.040
Hillsborough	9888	Fidel & Hilda Castillo	A535	G	0.022	0.047	0.047
Hillsborough	9902	Casper J. And Sue Ann Brock	A415	G	0.002	0.004	0.004
Hillsborough	9908	Sarah Williamson	A410	G	0.049	0.099	0.099
Hillsborough	9915	Razorback Ranch II, LLC	A415	G	0.081	0.293	0.293
Hillsborough	9936	Wimauma Grove, LLC	A535	G	0.087	0.139	0.139
Hillsborough	9948	Loop Farms, LLC	A535	G	0.060	0.217	0.217
Hillsborough	9980	Michael & Jessica Young	A535	G	0	0.029	0.029
Hillsborough	10003	Velma Newsome Groves, Inc	A535	G	0.016	0.035	0.035
Hillsborough	10007	Sweet Life Farms, LLC	A535	G	0.045	0.310	0.310
Hillsborough	10007	Sweet Life Farms, LLC	A535	S	0.014	0.310	0.310
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	G	0.120	0.173	0.173
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	S	0	0.173	0.173
Hillsborough	10021	Eljay Properties, LLP	L661	G	0.355	0.450	0.450
Hillsborough	10038	Sunripe Growers Corp	A635	G	0.012	0.068	0.068
Hillsborough	10066	Florida Acecapaders, Inc	L630	G	0	0.029	0.007
Hillsborough	10080	Perfection Partners, Ltd	A415	G	0	0.029	0.029
Hillsborough	10117	Donald M & Deborah L Balaban	A535	G	0	0.130	0.130
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	A470	G	0.007	0.159	0.142
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	A470	S	0	0.159	0.142
Hillsborough	10155	Grimes Holdings, LLC	A535	G	0.055	0.093	0.093
Hillsborough	10165	Bruce Michael Lott	A58S	G	0.024	0.151	0.151
Hillsborough	10212	Wilbur Reschly	A415	G	0	0.017	0.017
Hillsborough	10303	Jon Berry	A415	G	0	0.013	0.013
Hillsborough	10345	S & H Mathis, LLC	A535	G	0.168	0.097	0.097
Hillsborough	10354	Midway Farms, LLC	A535	G	0.013	0.037	0.037
Hillsborough	10363	Virginia J. and Douglas J Leetun	A480	G	0	0.029	0.029

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	10402	Harold F. Dukes	A535	G	0.041	0.073	0.073
Hillsborough	10431	Ronya Properties LLC	A58S	G	0.026	0.093	0.093
Hillsborough	10431	Ronya Properties LLC	A58S	S	0.001	0.093	0.093
Hillsborough	10461	Wayne G. Moss	A535	G	0.075	0.236	0.236
Hillsborough	10466	Sun City Tree Farms, A Florida General Partnership	A480	G	0.061	0.281	0.281
Hillsborough	10467	Dennis & Linda Spivey	A535	G	0.012	0.030	0.030
Hillsborough	10486	Robert D and Gwen D Aman	A415	G	0	0.011	0.011
Hillsborough	10629	Willie W & Lavone W Wingate	A535	G	0.009	0.022	0.022
Hillsborough	10654	Ellel Ministries USA Inc	A535	G	0	0.189	0.189
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	G	0.102	0.235	0.235
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	S	0.006	0.235	0.235
Hillsborough	10738	Perfection Partners, Ltd	A415	G	0	0.016	0.016
Hillsborough	10755	Aman Enterprises LLC	A470	G	0.066	0.201	0.201
Hillsborough	10755	Aman Enterprises LLC	A470	S	0	0.201	0.201
Hillsborough	10784	William and Rebecca Wilson	A535	G	0.030	0.043	0.043
Hillsborough	10824	Keysville Road Plant City, LLC	A535	G	0.070	0.203	0.203
Hillsborough	10824	Keysville Road Plant City, LLC	A535	S	0.040	0.203	0.203
Hillsborough	10839	R and D Properties of Brandon, Inc	A535	G	0.007	0.015	0.015
Hillsborough	10876	Mac Greco, Jr	A525	G	0.023	0.040	0.040
Hillsborough	10883	Danny Loyd and Sandra McGavin	A480	G	0.005	0.071	0.071
Hillsborough	10911	Kenneth & Sarah Dance Trust Agreement	A415	G	0.025	0.031	0.031
Hillsborough	10939	Jo Alice F. McDonald	A655	G	0.011	0.047	0.047
Hillsborough	10999	Hopewell Land Partners, LLC	A415	G	0	0.147	0.147
Hillsborough	10999	Hopewell Land Partners, LLC	A415	S	0	0.147	0.147
Hillsborough	11048	Berkshire Investments, LLC	A535	G	0.025	0.029	0.029
Hillsborough	11102	Stine Family Partnership, LTD	A535	G	0.015	0.037	0.037
Hillsborough	11164	Clifford Gude, Jr	A535	G	0.060	0.134	0.134
Hillsborough	11181	Del Monte Fresh Production, Inc	A56S	G	0.011	1.591	1.587

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	11307	Charles L. and Norma G. Woodard	A420	G	0.015	0.010	0.010
Hillsborough	11390	Elias & Lorena Gutierrez	A535	G	0.087	0.237	0.237
Hillsborough	11390	Elias & Lorena Gutierrez	A535	S	0.001	0.237	0.237
Hillsborough	11457	Futch Properties Inc	A535	G	0.108	0.249	0.249
Hillsborough	11457	Futch Properties Inc	A535	S	0.013	0.249	0.249
Hillsborough	11474	Astin Strawberry Property Management, LLC	A535	G	0.112	0.273	0.273
Hillsborough	11491	Huntley Properties, LLC	A535	G	0.065	0.122	0.122
Hillsborough	11494	Winfred & Sue Harrell Investments, LLLP	A480	G	0.142	0.125	0.125
Hillsborough	11508	The Conrad Family Limited Partnership	A415	G	0.025	0.032	0.032
Hillsborough	11553	James R. & Cathy Ennis Townsend, Jr	A56S	G	0.011	0.070	0.070
Hillsborough	11661	C. Dennis Carlton Sr	A535	G	0.225	0.367	0.367
Hillsborough	11661	C. Dennis Carlton Sr	A535	S	0.008	0.367	0.367
Hillsborough	11679	James & Gina Silas	A651	G	0.027	0.028	0.028
Hillsborough	11726	Winfred & Sue Harrell Investments, LLLP	A480	G	0.194	0.273	0.273
Hillsborough	11733	John & Inell White	A535	G	0.050	0.072	0.072
Hillsborough	11738	S & H Mathis, LLC	A410	G	0	0.021	0.021
Hillsborough	11751	Meribeth Sizemore Revocable Trust	A415	G	0	0.020	0.020
Hillsborough	11810	Everett F. and Sharon S. Prevatt	A470	G	0.200	0.208	0.208
Hillsborough	11810	Everett F. and Sharon S. Prevatt	A470	S	0	0.208	0.208
Hillsborough	11916	Janet L Goodson	A44S	G	0.222	0.300	0.300
Hillsborough	11969	Charles G. Grimes Rev. Trust and Betty J. Grimes Rev. Trust	A535	G	0.043	0.092	0.092
Hillsborough	11977	Hillsborough County BOCC	A56S	G	0	0.635	0.635
Hillsborough	12030	Sizemore Farms, Inc	A470	G	0.104	0.236	0.236
Hillsborough	12077	Cherri N. Clark	A535	G	0.007	0.016	0.016
Hillsborough	12212	60 Jerry Smith, LLC	A535	G	0	0.101	0.101
Hillsborough	12287	Neville Clayton Davis, Jr.	A535	G	0.055	0.139	0.139
Hillsborough	12299	Jeremie W. & Samantha K. Hayford	A410	G	0.002	0.013	0.013
Hillsborough	12313	William Burchenal	A415	G	0.002	0.140	0.140

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	12315	Robert H Parke & Peggy E Parke	A535	S	0.024	0.134	0.134
Hillsborough	12329	Dover Real Estate Investments LLC	A480	G	0.050	0.102	0.102
Hillsborough	12329	Dover Real Estate Investments LLC	A480	S	0.022	0.102	0.102
Hillsborough	12333	Arthur Earl Staggs	A480	G	0.066	0.026	0.026
Hillsborough	12350	James Austin Borchard	A535	G	0.010	0.133	0.133
Hillsborough	12361	DiMare Ruskin LLC	A56S	G	0.130	0.604	0.604
Hillsborough	12363	Fancy Farms, Inc	A535	G	0.016	0.044	0.044
Hillsborough	12378	Roy L. Harwood	A415	G	0	0.011	0.011
Hillsborough	12437	Conrad and Neoda Dumke	A410	G	0.061	0.072	0.072
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	G	0.024	0.088	0.088
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	S	0.013	0.088	0.088
Hillsborough	12452	Goodson Family, LLLP	A655	G	0.217	0.541	0.541
Hillsborough	12480	Montesco Group, LLC	A535	G	0.070	0.125	0.125
Hillsborough	12523	UF Institute of Food and Agricultural Sciences	A520	G	0.210	0.598	0.598
Hillsborough	12538	Floyd Williams and Ann Marie Williams Rev Trust Agreements	A410	G	0.012	0.048	0.048
Hillsborough	12639	WHS Land, LLC	A480	G	0.067	0.171	0.171
Hillsborough	12787	McIntosh Road Dover, LLC	A535	G	0.115	0.163	0.163
Hillsborough	12793	S&H Mathis, LLC	A58S	G	0.019	0.071	0.071
Hillsborough	12806	Mattie Louise Williams 2001 Trust	A535	G	0.014	0.039	0.039
Hillsborough	12811	Alan E Hall, Trustee, Hall Family Irrevocable Trust	A535	G	0.002	0.029	0.029
Hillsborough	12819	Andrew E & Karen S Rogers	A535	G	0.045	0.041	0.041
Hillsborough	12821	Greg W. and Karen S. Lawson	A535	G	0.021	0.057	0.057
Hillsborough	12822	Fidel & Hilda Castillo	A51S	G	0.028	0.064	0.064
Hillsborough	12822	Fidel & Hilda Castillo	A51S	S	0.003	0.064	0.064
Hillsborough	12836	Razorback Ranch, LLC	A525	G	0	0.496	0.403
Hillsborough	12836	Razorback Ranch, LLC	A525	S	0	0.496	0.403
Hillsborough	12837	Delva W & Ruben Wallace Register	A535	G	0.039	0.062	0.062
Hillsborough	12859	The Montesco Group, LLC	A535	G	0.014	0.028	0.028

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	12883	L. O. Vickers	A655	G	0.006	0.034	0.034
Hillsborough	12935	Roger Gilford	A535	G	0.010	0.019	0.019
Hillsborough	12998	Carter Family Living Trust	A655	G	0.032	0.094	0.094
Hillsborough	13060	Gary A. Craig	A480	G	0.154	0.074	0.074
Hillsborough	13087	Bruce Rumph	A480	G	0.071	0.134	0.134
Hillsborough	13176	Mary Lett Keene, Trustee	A535	G	0.016	0.043	0.043
Hillsborough	13296	J. Aprile Properties, LLC	A535	G	0.002	0.084	0.084
Hillsborough	13296	J. Aprile Properties, LLC	A535	S	0	0.084	0.084
Hillsborough	13327	Alta Groves, Inc	A51S	G	0.012	0.061	0.061
Hillsborough	20000	GLH-SR 60 25, LLC	A535	G	0.034	0.041	0.041
Hillsborough	20010	Raeann Randall	A535	G	0.015	0.022	0.022
Hillsborough	20010	Raeann Randall	A535	S	0.011	0.022	0.022
Hillsborough	20019	Sam & Buffy Astin	A535	G	0.060	0.092	0.092
Hillsborough	20038	Carrie Lou Dorman as Trustee of the Carrie Lou Dorman Trust	A655	G	0	0.242	0.242
Hillsborough	20038	Carrie Lou Dorman as Trustee of the Carrie Lou Dorman Trust	A655	S	0.003	0.242	0.242
Hillsborough	20102	Talal Properties Ltd	A535	G	0.001	0.014	0.014
Hillsborough	20109	Sam Astin III	A470	G	0.016	0.051	0.051
Hillsborough	20109	Sam Astin III	A470	S	0	0.051	0.051
Hillsborough	20111	RJJAMS, LLC	A51S	G	0	0.152	0.152
Hillsborough	20111	RJJAMS, LLC	A51S	S	0.052	0.152	0.152
Hillsborough	20139	Rod Marvel	A470	G	0	0.045	0.045
Hillsborough	20150	Hurley Creek Townhomes, Inc	A535	G	0.001	0.151	0.151
Hillsborough	20159	Earl C. Godwin and Dorothy R. Godwin, Trustees	A535	S	0.003	0.044	0.044
Hillsborough	20160	Hilda Castillo	A535	G	0	0.031	0.031
Hillsborough	20160	Hilda Castillo	A535	S	0.017	0.031	0.031
Hillsborough	20161	Terry O. and Daphne C. Ballard, et al	A535	G	0.029	0.076	0.076
Hillsborough	20181	Oak Hammock Ranch, LLC	A410	G	0.032	0.055	0.055
Hillsborough	20187	Kelsey Court LLC	A535	G	0.157	0.061	0.061

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	20228	Aristeo and Esperanza Gutierrez and Millard C. Dubose Jr.	A535	S	0.007	0.058	0.058
Hillsborough	20229	Bobbie Ann Parrish Dec of Trust & Charles D. Parrish	A535	G	0.038	0.049	0.049
Hillsborough	20270	Charanji Duggal	A410	G	0.012	0.044	0.044
Hillsborough	20270	Charanji Duggal	A410	S	0.010	0.044	0.044
Hillsborough	20276	The Montesco Group, LLC	A470	G	0.015	0.048	0.048
Hillsborough	20277	Sizemore Properties, LLC.	A415	G	0	0.043	0.043
Hillsborough	20310	Eljay Properties, LLP	L661	G	0.152	0.211	0.211
Hillsborough	20348	North Thirty LLC	A415	G	0	0.047	0.047
Hillsborough	20461	GLH Enterprises, LLLP	A470	G	0.029	0.295	0.295
Hillsborough	20501	George and/or Marie Lipsey	A415	G	0	0.018	0.018
Hillsborough	20513	Caroline A. Perocchi Revocable Trust	A535	G	0	0.063	0.063
Hillsborough	20513	Caroline A. Perocchi Revocable Trust	A535	S	0.032	0.063	0.063
Hillsborough	20515	Mathis Land Group, LLC	A535	G	0.012	0.028	0.028
Hillsborough	20571	William G. and Lenna Fay Stone	A535	G	0.006	0.007	0.007
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	G	0.614	1.971	1.891
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	S	0	1.971	1.891
Hillsborough	20593	Richard & Peggy Peacock	A651	G	0.026	0.094	0.094
Hillsborough	20657	Harvey F. and Janice L. Dreggors, Trustees	A535	G	0.008	0.018	0.018
Hillsborough	20674	Virginia Johnson Life Estate, W. Butler, J. Register, G. Johnson	A535	G	0.023	0.028	0.028
Hillsborough	20715	Alan Register	A51S	G	0.023	0.050	0.050
Hillsborough	20725	Airport and Hillsborough, LLC	A56S	G	0.220	0.410	0.410
Hillsborough County Totals					33.253	Metered, mgd	
					6.942	Estimated, mgd, 335 WUPs	
					40.195	Total, mgd	
Lake	1347	Tom Thayer Citrus Inc	A415	G	0.261	0.545	0.545
Lake	8090	Green Swamp Ranch LLC	A410	G	0.028	0.141	0.141
Lake	8090	Green Swamp Ranch LLC	A410	S	0	0.141	0.141
This space is intentionally left blank.							

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Lake County Totals					0.289	Metered, mgd	
					0.554	Estimated, mgd, 13 WUPs	
					0.843	Total, mgd	
Levy	5095	Williston Peanuts, Inc	A52S	G	2.359	2.057	2.057
Levy	5122	Whitehurst Cattle Company	A52S	G	0.104	2.671	2.671
Levy	5160	Sandlin Farms	A52S	G	0.291	1.017	1.017
Levy	6586	B&G Family Partnership LLLP	A500	G	0.011	0.654	0.642
Levy	8219	Damon & Sharon Sandlin	A52S	G	0.163	0.813	0.813
Levy	10023	AEG Associates LLC	A52S	G	0.162	0.677	0.677
Levy	11008	Waldrep Enterprises LLLP	A495	G	0.011	0.985	0.985
Levy	11026	Brown Pelican Farms LLC	A500	G	0.207	1.485	1.485
Levy	12579	Lee A & Beverly J Thomas Co-Trustees	A450	G	0	1.140	1.140
Levy	13339	Marshall Tree Farm, Inc	A485	G	1.651	2.436	2.436
Levy County Totals					4.958	Metered, mgd	
					3.525	Estimated, mgd, 65 WUPs	
					8.483	Total, mgd	
Manatee	503	J.T. Reeder Partners, LLLP	A56F	G	0	0.875	0.867
Manatee	2821	Flint Properties II, LLC	A51S	G	0	0.309	0.309
Manatee	2933	Bruce E Leland S Gary L & Brent D Shackelford	A515	G	0.374	1.339	1.339
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	A52S	G	0.185	0.459	0.243
Manatee	3762	Pallardy LLC, Lee F. Pallardy III, & Jon Franz LLC	A415	G	0	0.080	0.080
Manatee	3794	ESDA Realty Inc	A52S	G	0	0.340	0.340
Manatee	3796	Revocable Living Trust Agreement of Ira L. Carlton	A490	G	0	0.085	0.085
Manatee	3808	ATS Ag Ventures LLC	A415	G	0.043	0.153	0.153
Manatee	3832	The Arlin Taylor Ranch Limited Partnership	A56F	G	0.397	0.598	0.598
Manatee	3838	CSPR LTD	A58S	G	0.141	0.252	0.252
Manatee	3847	L3 Partnership LLP dba L3 Farms	A56F	G	2.818	8.224	8.224
Manatee	3848	Dimare Homestead Inc	A56S	G	0.789	4.802	4.802

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	3853	Florida Triple 7 Ranch, LLC	A485	G	0	0.249	0.249
Manatee	3924	Northwest Manatee, LLC	A490	G	0	0.280	0.280
Manatee	3975	John Falkner, LLC	A56S	G	2.882	6.960	6.960
Manatee	4049	Sorrells Groves, Inc	A415	G	0.324	0.936	0.936
Manatee	4190	Myakka River Properties Inc	A56F	G	0	0.123	0.123
Manatee	4228	Peace Valley Groves, Inc	A415	G	0.177	0.281	0.281
Manatee	4309	CC Manatee Development LLC	A495	G	0.047	0.624	0.615
Manatee	4309	CC Manatee Development LLC	A495	S	0	0.624	0.615
Manatee	4378	Emil and Cheryl Carlton	A56F	G	0.103	0.319	0.319
Manatee	4412	Riverview Grove Ltd	A56S	G	0.052	3.417	3.417
Manatee	4412	Riverview Grove Ltd	A56S	S	0	3.417	3.417
Manatee	4447	Florida Power & Light Company	A56S	G	0	0.503	0.503
Manatee	4453	Mon Chou Peu Bull, LLC	A615	G	0.113	0.388	0.388
Manatee	4467	John Falkner, LLC	A56S	G	3.166	9.778	9.773
Manatee	4580	Triangle Ranch, LLC	A490	G	0	0.136	0.136
Manatee	4662	R. Thomas Chapman, Jr. Family Trust	A415	G	0.014	0.123	0.123
Manatee	4729	School Board of Manatee County	A56S	G	0	0.092	0.003
Manatee	4761	Johnson-Manatee Holdings, LLC	A415	G	0.079	0.340	0.340
Manatee	4761	Johnson-Manatee Holdings, LLC	A415	S	0.001	0.340	0.340
Manatee	4780	W. R. Family Revocable Trust	A495	G	0	0.430	0.430
Manatee	4789	Hunsader Farms, Inc	A56S	G	0.383	1.747	1.747
Manatee	5058	McCarlton Partners Ltd	A525	G	0	0.466	0.466
Manatee	5309	Cargor PartnersVI-Buckeye 928 LC	A415	G	0	0.236	0.236
Manatee	5310	Port Manatee Land, LLC	A56F	G	0.036	0.196	0.196
Manatee	5384	Myrna A Jordan Trust	A56S	G	0.181	0.375	0.375
Manatee	5423	Florida Power & Light Company	A57F	G	0.249	0.435	0.362
Manatee	5444	Manatee County School District	A56S	G	0.145	0.271	0.244
Manatee	5459	Pen Bay I, LLC	A480	G	0	0.053	0.053

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	5461	Lake Flores I, LLC	A56S	G	0.176	2.421	2.421
Manatee	5462	Manatee Fruit Company	A415	G	0	0.146	0.146
Manatee	5512	Wauchula Road Duette, LLC	A535	G	1.165	2.002	2.002
Manatee	5514	McClure Properties, LTD	A56S	G	2.220	5.985	5.985
Manatee	5599	LF LLC	A470	G	0.179	0.300	0.300
Manatee	5617	Medallion Homes	A700	G	0	0.332	0.116
Manatee	5620	Hiram C Saffold	A51S	G	0.027	0.678	0.678
Manatee	5649	Mark Holdren & Roger E. Triplett	A480	G	0.005	0.009	0.009
Manatee	5689	Farren R & Christina M Dakin	L615	G	0.231	0.412	0.412
Manatee	5693	Andy D Taylor Ranch LLC	A490	G	0.057	0.136	0.136
Manatee	6059	M Plus Ranch Inc	A56S	G	0	1.004	1.004
Manatee	6077	McClure Properties, LTD	A465	G	0.957	3.078	3.078
Manatee	6667	Heart Groves Inc	A415	G	0.138	0.814	0.814
Manatee	6668	QC Desoto Grove Ventures, LLC	A415	G	0.109	0.307	0.307
Manatee	6915	James D. Brewer & Robert C. Brewer (Multi County w DeSoto)	A495	G	0.059	1.228	1.228
Manatee	6945	Jones Potato Farm, Inc	A415	G	0.008	0.031	0.031
Manatee	6981	Jones Potato Farm, Inc	A515	G	0.086	0.367	0.367
Manatee	7031	Adamatmar, LLC	A56S	G	0	0.318	0.318
Manatee	7085	Turner Groves Citrus Limited Partnership	A50F	G	1.413	1.538	1.538
Manatee	7350	Felton C Walker Jr	A56S	G	0.839	1.383	1.383
Manatee	7502	Big Red Bull LLC	A495	G	0	0.688	0.688
Manatee	7631	McClure Properties, LTD	A56F	G	0	0.849	0.849
Manatee	7635	McClure Properties, LTD	A495	G	0	0.081	0.081
Manatee	7649	Betty Moody	A525	G	0.105	0.352	0.352
Manatee	7724	FLM, Inc	A480	G	0.059	0.927	0.927
Manatee	7846	Schroeder-Manatee Ranch, Inc (Multi-County w Sarasota)	A525	G	0.342	18.238	3.370
Manatee	7846	Schroeder-Manatee Ranch, Inc	A525	S	0	18.238	3.370
Manatee	7891	DME Holdings, LLC	A415	G	0.333	0.402	0.402

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	7998	QC Desoto Grove Ventures, LLC (multi County w Hardee)	A415	G	0.258	0.465	0.465
Manatee	8102	Jordan and Jordan Inc	A415	G	0.070	0.126	0.126
Manatee	8420	James R Grainger II	A415	G	0.016	1.266	1.266
Manatee	8421	4 Star Tomato Inc	A465	G	0.694	1.253	1.253
Manatee	8638	DEA Manatee Grove LLC, Jefferson Manatee LLC	A525	G	0.573	0.706	0.706
Manatee	8694	QC Manatee Groves LLC	A415	G	0.498	0.574	0.574
Manatee	8829	Whisenant Farms, Inc	A56S	G	0.082	1.278	1.278
Manatee	8904	Walker Pasture LLC	A525	G	0	0.516	0.516
Manatee	8912	J. Gary Russ, Cathryne Russ, & Christopher Russ	A415	G	0.020	0.168	0.168
Manatee	9014	Good Grove Investments, LLC	A415	G	1.070	1.815	1.815
Manatee	9025	John Falkner, LLC	A51S	G	0.368	1.459	1.459
Manatee	9089	FFD Land Co Inc	A56S	G	0.827	2.791	2.779
Manatee	9113	QC Desoto Grove Ventures, LLC	A415	G	0.219	0.157	0.157
Manatee	9227	Mosaic Fertilizer, LLC	A415	G	0.018	0.079	0.079
Manatee	9348	Elizabeth A Johnson Family Land Trust	A646	G	0.066	0.754	0.754
Manatee	9391	WFA Land Company, Inc	A655	G	2.741	2.779	2.779
Manatee	9400	Desoto Ranch Estates	A655	G	0	0.156	0.156
Manatee	9526	Three D Farms, LLC	A56S	G	0	0.486	0.486
Manatee	9526	Three D Farms, LLC	A56S	S	0	0.486	0.486
Manatee	9603	Chung Shuen Farm, Inc	A480	G	0.018	0.318	0.318
Manatee	9603	Chung Shuen Farm, Inc	A480	S	0	0.318	0.318
Manatee	9741	Mosaic Fertilizer LLC and CMI (Multi County w DeSoto)	A470	G	0.046	1.831	1.831
Manatee	9817	Benny Albritton, Sr	A56F	G	0.129	0.369	0.369
Manatee	9968	Whisenant Farms, Inc & Whisenant Family Limited Partnership	A485	G	0.04	0.158	0.158
Manatee	9968	Whisenant Farms, Inc & Whisenant Family Limited Partnership	A485	S	0.027	0.158	0.158
Manatee	10187	Prairie Creek Dairy, Inc	L615	G	0.470	0.306	0.306
Manatee	10329	Keystone Grove Company	A415	G	0.024	0.085	0.085
Manatee	10483	Sarah Frey-Talley	A56S	G	0.043	0.440	0.440

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	10487	Rutland Ranch Farms, LLC	A515	G	0.478	1.347	1.347
Manatee	10758	Jordan and Jordan Inc	A415	G	0.069	0.113	0.113
Manatee	10800	Florida Power & Light Company	A56F	G	0	2.388	2.388
Manatee	10978	T&T Environmental, LLC & Manatee County Grove A, LLC	A415	G	0.112	0.172	0.172
Manatee	11019	SMR Taylor Ranch, LLC	A56F	G	0.615	1.539	1.480
Manatee	11019	SMR Taylor Ranch, LLC	A56F	S	0	1.539	1.480
Manatee	11105	WFA Land Company, Inc	A56S	G	1.284	3.011	2.992
Manatee	11123	Clay Gully Ranch, LLC	A56S	G	0.269	2.186	2.186
Manatee	11125	Edward Grady Maggard, Jr. and Lorene Maggard	A56S	G	2.913	2.084	2.084
Manatee	11167	Western Farmland, LLC	A525	G	2.486	2.941	2.941
Manatee	11167	Western Farmland, LLC	A525	S	0.002	2.941	2.941
Manatee	11258	Total Construction Management, LLC	A480	G	0	0.215	0.215
Manatee	11287	John Falkner, LLC	A51S	G	1.877	5.224	5.224
Manatee	11427	Peter Old	A592	G	0.480	1.240	1.240
Manatee	11440	John Falkner, LLC	A56S	G	0.153	0.574	0.574
Manatee	11440	John Falkner, LLC	A56S	S	0	0.574	0.574
Manatee	11481	Prairie Creek Dairy, Inc	A451	G	0	0.423	0.423
Manatee	11918	Gordon Properties, LLC	A56F	G	0.169	0.316	0.316
Manatee	11921	Goodson Farms, Inc	A56S	G	0.435	0.616	0.616
Manatee	11922	Jones Potato Farm, Inc	A515	G	0.124	1.483	1.483
Manatee	11961	Pacific Land, Ltd	A56S	G	0.744	3.852	3.852
Manatee	11963	SCF Farms Inc, Handcart Citrus and Cattle, Inc and Harry Cortese	A56F	G	0.384	2.502	2.502
Manatee	12005	Elias Cura LLC	A525	G	0.002	0.488	0.488
Manatee	12018	McClure Properties, LTD	A56F	G	0	2.259	2.259
Manatee	12133	W.S. Badcock Corporation	A56S	G	0.502	1.121	1.121
Manatee	12154	H D Budd Farms, Inc	A56F	G	0.023	0.750	0.750
Manatee	12189	The Baker, Walter, Saraw Family Trust	A495	G	0	0.204	0.204
Manatee	12216	ESDA, Inc	A495	G	0.065	0.323	0.323

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	12264	John Falkner, LLC	A56F	G	1.134	1.398	1.398
Manatee	12386	Florida Power & Light Company	A56F	G	0	1.000	1.000
Manatee	12428	Western Farmland, LLC	A56S	G	0.161	0.674	0.674
Manatee	12474	Mary Forristall	A485	G	0	0.055	0.055
Manatee	12511	Jones Potato Farm, Inc	A466	G	0.165	0.811	0.811
Manatee	12971	Lyna Berry Farms, Inc	A410	G	0.010	0.322	0.322
Manatee	12991	HBT of Eagle Pointe, LLC	A56S	G	0	0.279	0.279
Manatee	13007	Lakeshore Knolls LLC	A415	G	0.196	0.258	0.258
Manatee	13008	Lakeshore Knolls LLC	A415	G	0.232	0.200	0.200
Manatee	13011	John Falkner, LLC, Rye Ranch, LLC and Rowe Ventures, LLC	A56F	G	1.384	2.524	2.524
Manatee	13281	GTIS I VGC, LP	A495	G	0	0.085	0.085
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	G	1.966	3.048	3.048
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	S	0	3.048	3.048
Manatee	20091	Ag-Mart Produce, Inc	A56S	G	0.526	2.142	2.142
Manatee	20106	Parrish Road Duette, LLC	A535	G	0.372	0.575	0.575
Manatee	20245	Timothy A. Knowles as Trustee of the Land Trust Number 32	A56S	G	0	0.154	0.154
Manatee	20268	Grainger Holdings, LLC	A56S	G	0.008	0.441	0.441
Manatee	20596	Paul's Parrish, LLC	A525	G	0.113	0.184	0.184
Manatee County Totals					48.951	Metered, mgd	
					4.174	Estimated, mgd, 161 WUPs	
					53.125	Total, mgd	
Marion	2183	Phoenix Sunrise, LLC	A52S	G	0	0.150	0.150
Marion	2697	Charlotte Weber	A455	G	0.051	1.028	0.847
Marion	11475	Arbor Springs Development, LLC	A490	G	0.027	0.106	0.074
Marion	11602	McGinley Family LP	A52S	G	0.141	2.653	2.653
Marion	12911	The Club at Ocala Preserve LLC	A460	G	0.075	0.223	0.073
Marion	20319	Sleepy Creek Lands LLC	A525	G	0	0.888	0.888
This space is intentionally blank.							

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Marion County Totals					0.295	Metered, mgd	
					3.584	Estimated, mgd, 54 WUPs	
					3.879	Total, mgd	
Pasco	1580	SRI 2, LLC	A410	G	0.035	0.095	0.095
Pasco	1580	SRI 2, LLC	A410	S	0.026	0.095	0.095
Pasco	1636	Spray Miser International Inc	A415	G	0	0.177	0.177
Pasco	1977	Herbert & Lacy Boltin Rev Living Trust	A415	G	0	0.153	0.153
Pasco	2413	Pasco Ranch, Inc	A490	G	0	0.115	0.115
Pasco	2479	Wiregrass Ranch Inc	A525	G	0	0.535	0.535
Pasco	2698	Sid Larkin & Son Inc, JSL Ranch Inc, Larkin Cattle Co Inc	A495	G	0.131	0.497	0.497
Pasco	3379	Perfection Partners, Ltd	A415	G	0	0.112	0.112
Pasco	3380	Evans Properties Inc	A50F	G	0.001	0.165	0.165
Pasco	3381	Evans Properties Inc	A415	G	0	0.138	0.138
Pasco	3388	Evans Properties Inc	A415	G	0	0.252	0.252
Pasco	3390	Evans Properties Inc	A415	G	0	0.081	0.081
Pasco	3391	Evans Properties Inc	A415	G	0	0.794	0.794
Pasco	3392	Evans Properties Inc	A495	G	0	0.155	0.155
Pasco	3468	Bexley Ranch Land Trust	A525	G	0	0.343	0.343
Pasco	4052	Evans Properties Inc	A415	G	0.004	0.102	0.102
Pasco	4540	Will Pick LLC	A425	G	0	0.025	0.025
Pasco	5897	Barthle Brothers Ranch, LLC	A58S	G	0.001	0.205	0.205
Pasco	5973	Freemarr Development, Inc & Suntech Investments, Inc	A495	G	0	0.301	0.301
Pasco	6814	Keathel and Taryn Chauncey	A635	G	0	0.108	0.108
Pasco	7021	Brightman Logan Revocable Trust	A480	G	0.003	0.155	0.155
Pasco	7326	Freemarr Development, Inc. & Sunfield Homes, Inc.	A495	G	0	0.562	0.562
Pasco	7497	Vcare Consultants, LLC	A415	G	0	0.146	0.146
Pasco	7499	Lake Placid Groves LLC	A415	G	0.003	0.187	0.187
Pasco	7576	CR Pasco Development Company, LLC	A495	G	0	0.360	0.360

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Pasco	7686	Angelo Iafrate, Sr	A415	G	0.001	0.094	0.094
Pasco	8737	Boarshead Ranch, LLC	A525	G	0.004	0.820	0.820
Pasco	8932	Jordan and Jordan Inc	A415	G	0.003	0.163	0.163
Pasco	9071	DMMD XIII, LLC	A56F	G	0	0.250	0.250
Pasco	9081	Evans Properties Inc	A495	G	0	0.094	0.094
Pasco	9150	LD Mitchell Inc	A490	G	0	0.240	0.240
Pasco	9749	Simpson Farms, Inc	A415	G	0.049	0.163	0.163
Pasco	11634	James & Dorothy Mitchell Investments, Ltd	A455	G	0	0.346	0.346
Pasco	11773	Little Everglades Ranch Inc	A525	G	0.017	0.257	0.104
Pasco	11773	Little Everglades Ranch Inc	A525	S	0	0.257	0.104
Pasco	11926	Price Realty LLC	A415	G	0	0.053	0.053
Pasco	11927	Will Pick LLC	A415	G	0	0.111	0.111
Pasco	12346	La Hacienda Del Cielo LLC	A415	G	0	0.164	0.154
Pasco	12919	EMSM Pasco, LLC	A485	G	0.108	0.161	0.161
Pasco	12934	Angeline Corp	A525	G	0	0.317	0.317
Pasco	13170	Angelo's Aggregate Materials Ltd	A525	G	0.018	0.579	0.575
Pasco	13171	Stony Pointe Limited Partnership	A415	G	0.075	0.178	0.178
Pasco	13316	The Al-Bar Family Limited Partnership	A495	G	0	0.149	0.149
Pasco	20413	Frogmore Ranch, LLC	A410	G	0.192	0.475	0.475
Pasco	20682	David & Deborah Abla	A415	G	0	0.055	0.055
Pasco County Totals					0.671	Metered, mgd	
					4.550	Estimated, mgd, 204 WUPs	
					5.221	Total, mgd	
Pinellas	7362	Pinellas Co Parks & Conservation Department	A485	G	0	0.192	0.063
Pinellas	7362	Pinellas Co Parks & Conservation Department	A485	S	0	0.192	0.063
Pinellas	12062	Pinellas County	A405	G	0	0.131	0.131

This space is intentionally blank.

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Pinellas County Totals					0	Metered, mgd	
					0.002	Estimated, mgd, 1 WUP	
					0.009	Total, mgd	
Polk	97	Gapway Grove Corp & Strang Groves, LLC	A415	G	0.244	0.889	0.889
Polk	143	Mountain Lake Corporation	A415	G	0.773	3.294	0.638
Polk	170	Smith & Sons Citrus, LLC	A415	G	0.066	0.122	0.122
Polk	222	Dundee Property Holdings, LLC	A415	G	0.046	0.079	0.079
Polk	285	Lake Garfield Grove LLC	A415	G	0.052	0.110	0.110
Polk	327	Waverly Growers Cooperative	A415	G	0.020	0.099	0.099
Polk	382	L Dicks, Inc	A415	G	0.141	0.129	0.129
Polk	384	John G Wood & Associates, Inc	A415	G	0.024	0.320	0.320
Polk	423	John Perdue, Jr	A415	G	0.034	0.100	0.100
Polk	425	Jefferson Grove, LLLP	A415	G	0.061	0.159	0.159
Polk	427	Clear Springs Land Company, LLC	A495	G	0	0.235	0.235
Polk	429	Jefferson Grove, LLLP	A415	G	0.003	0.112	0.112
Polk	430	South Property Holdings, LLC	A415	G	0.031	0.110	0.110
Polk	504	Ray-Bob Groves Inc	A415	G	0.173	0.175	0.175
Polk	551	Bryan Groves, Inc	A415	G	0.064	0.071	0.071
Polk	683	Rohlfing Groves Company	A415	G	0	0.134	0.134
Polk	683	Rohlfing Groves Company	A415	S	0	0.134	0.134
Polk	693	Putnam Groves, Inc	A415	G	0.054	0.086	0.086
Polk	696	Gardinier Florida Citrus, Inc	A415	G	0.292	0.248	0.248
Polk	758	Hook-R Groves, Inc	A415	G	0.016	0.078	0.078
Polk	772	Putnam Groves, Inc	A415	G	0.238	0.442	0.442
Polk	819	Gain Inc	A415	G	0.005	0.079	0.079
Polk	910	Jack M. Berry, Inc	A415	G	0.006	0.208	0.208
Polk	928	Manuel & Shelly Lopez and John A Jr & Allison Stephens	A415	G	0.035	0.077	0.077
Polk	949	Surveyors Lake, LLC, and Surveyors Lake Grove, LLC	A415	G	0.011	0.073	0.073

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	961	Wheeler Farms, Inc	A415	G	0	0.206	0.206
Polk	963	Gapway Grove Corporation	A415	G	0.029	0.159	0.159
Polk	1003	Bcw Groves Inc	A415	G	0.093	0.090	0.090
Polk	1005	Central Florida Blueberrys, LLC	A410	G	0.013	0.036	0.036
Polk	1109	Brent Monk	A415	G	0.074	0.140	0.140
Polk	1128	Bowlegs Creek Groves, LLC	A415	G	0	0.068	0.068
Polk	1153	Orange & Sons Inc	A415	G	0	0.110	0.110
Polk	1161	Lake Buffum Grove Ltd	A415	G	0.080	0.152	0.152
Polk	1202	H Block LLC	A415	G	0.002	0.103	0.103
Polk	1207	Gapway Grove Corporation	A415	G	0.021	0.131	0.131
Polk	1252	Tri-Ben Groves, LLC	A415	G	0	0.288	0.288
Polk	1253	Cutrale Citrus Juices USA Inc	A415	G	0.166	0.237	0.237
Polk	1300	Roger Brothers, LLLP	A415	G	0.030	0.121	0.121
Polk	1404	Ben Hill Griffin, Inc	A415	G	0.111	0.123	0.123
Polk	1420	Fetco, Inc	A415	G	0.068	0.079	0.079
Polk	1426	PH Citrus LLC	A415	G	0.140	0.150	0.150
Polk	1433	Flying V, Inc	A415	G	0.020	0.097	0.097
Polk	1455	Hutcheson Holdings, LLC	A415	G	0.059	0.122	0.122
Polk	1456	Maurice Stephens, SFLG, LLC, and the Estate of Betty Carlson	A415	G	0.041	0.143	0.143
Polk	1467	Sunshine Fort Meade Properties, Inc	A480	G	0.086	0.102	0.102
Polk	1501	J. Henry Groves, Inc	A415	G	0.028	0.080	0.080
Polk	1660	The North Forty Grove Corp., Inc	A415	G	0.030	0.079	0.079
Polk	1662	Misty Organics, LLC	A410	G	0.009	0.336	0.336
Polk	1664	Southeast Investments of Palm Beach County, Inc	A470	G	0	0.141	0.141
Polk	1667	Badillo Brothers, Inc	A415	G	0.070	0.082	0.082
Polk	1676	The Montesco Group, LLC	A415	G	0.057	0.232	0.232
Polk	1693	Clear Springs Land Company, LLC	A525	G	0	1.049	1.049
Polk	1693	Clear Springs Land Company, LLC	A525	S	0	1.049	1.049

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	1697	Dr. Linda J May	A415	S	0	0	0
Polk	1823	7 S Bar, Inc	A415	G	0.104	0.154	0.154
Polk	1845	Ben Hill Griffin, Inc	A495	G	0.177	0.324	0.324
Polk	1851	David H. Wilcox	L661	G	0.435	0.446	0.446
Polk	1883	Johnston Properties, Inc	A415	G	0.159	0.179	0.179
Polk	1884	Tampa Electric Company	A415	G	0.011	0.154	0.154
Polk	1943	Thomas Thayer, Jr	A415	G	0.210	0.131	0.131
Polk	1955	Marianne Barwick	A415	G	0.045	0.119	0.119
Polk	1978	Atlantic Funding Ltd, LLC	A415	G	0.045	0.110	0.110
Polk	2003	Fresh Florida Oranges Inc	A415	G	0.059	0.158	0.158
Polk	2006	D.C. Cattle, Inc	A490	G	0	0.405	0.405
Polk	2047	Sun Grown Citrus LLC	A415	G	0.071	0.107	0.107
Polk	2057	Gabriel Groves, Inc	A415	G	0.036	0.091	0.091
Polk	2059	CUPS Coop, Inc	A415	G	0.081	0.114	0.114
Polk	2063	Scott Stevenson	A415	G	0.230	0.215	0.215
Polk	2130	Fort Family Partneship, LTD	A415	G	0.030	0.098	0.098
Polk	2132	Flying V, Inc	A415	G	0.070	0.112	0.112
Polk	2146	Thelma C. Raley, Inc	A415	G	0.255	0.308	0.308
Polk	2147	Thelma C. Raley, Inc	A415	G	0.237	0.298	0.298
Polk	2365	South Property Holdings, LLC	A415	G	0.051	0.082	0.082
Polk	2438	Ben Hill Griffin, Inc	A415	G	0.111	0.115	0.115
Polk	2439	Lake McLeod, LLC	A495	G	0.018	0.184	0.184
Polk	2448	Ben Hill Griffin, Inc	A415	G	0.381	0.484	0.484
Polk	2466	Robert W Teston	A415	G	0.058	0.103	0.103
Polk	2470	Alico, Inc	A415	G	0.074	0.110	0.110
Polk	2501	Seibels Enterprises Inc	A415	G	0.193	0.227	0.227
Polk	2503	Estes Groves Inc	A415	G	0.222	0.180	0.180
Polk	2587	Flying V Inc	A415	G	0.138	0.216	0.216

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	G	0.064	3.950	3.950
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	S	0.297	3.950	3.950
Polk	2722	Hunt Bros., Inc	A415	G	0.085	0.092	0.092
Polk	2833	Valentin & Eduardo Eddie Badillo	A415	G	0.029	0.090	0.090
Polk	2834	Bartow Citrus Products, LLC	A485	G	0.001	0.394	0.009
Polk	2873	Cemex Construction Materials Florida, LLC	A415	G	0.246	1.073	0.990
Polk	2873	Cemex Construction Materials Florida, LLC	A415	S	0	1.073	0.990
Polk	2989	Sunshine Agriculture, Inc	A415	G	0.283	0.214	0.214
Polk	3004	Dennis Dicks	A415	G	0.060	0.093	0.093
Polk	3040	Wheeler-Waverly Grove, LLC	A415	G	0.273	0.325	0.325
Polk	3072	KLM Farms, LLC	A415	G	0.066	0.062	0.062
Polk	3072	KLM Farms, LLC	A415	S	0	0.062	0.062
Polk	3074	Suncoast Builders of Bartow, LLC	A415	G	0.067	0.136	0.136
Polk	3147	Clear Springs Enterprises LLC	A535	G	0.096	0.478	0.180
Polk	3238	Wheeler Farms, Inc	A415	G	0.057	0.111	0.111
Polk	3439	William M. Lennon Family Trust	A415	G	0.063	0.099	0.099
Polk	3439	William M. Lennon Family Trust	A415	S	0	0.099	0.099
Polk	3446	Holmes Gardens Associates Ltd	A415	G	0.060	0.068	0.068
Polk	3493	Tampa Electric Company	A415	G	0	0.230	0.230
Polk	3654	Imperial Polk Properties, Inc	A415	G	0	0.048	0.048
Polk	3675	Ow Hancock Lllp	A415	G	0.033	0.136	0.136
Polk	3731	Five Star Family Growers LLC	A480	G	0.029	0.461	0.461
Polk	3731	Five Star Family Growers LLC	A480	S	0	0.461	0.461
Polk	3734	Ben Hill Griffin, Inc	A415	G	0.143	0.168	0.168
Polk	3735	Lo Brothers Enterprises Inc	A415	G	0.205	0.325	0.325
Polk	3747	James L Schmidt Ii Trustee Of The Fbjo Land Trust	A415	G	0	0.131	0.131
Polk	3806	Emery C Jr. and Vada E Etter	A415	G	0.143	0.107	0.107
Polk	3841	Sun Grown Citrus LLC	A415	G	0.007	0.026	0.026

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	3842	Sun Grown Citrus LLC	A415	G	1.077	1.304	1.304
Polk	3867	Ben Hill Griffin, Inc	A415	G	0.130	0.128	0.128
Polk	3946	Ellingson Groves, Inc	A415	G	0.049	0.079	0.079
Polk	3948	Ellingson Groves, Inc	A415	G	0.033	0.072	0.072
Polk	3962	Kyle R. & Marissa N. Story	A415	G	0.058	0.083	0.083
Polk	3963	CBM Groves Inc and Myers Grove Inc	A415	G	0.103	0.123	0.123
Polk	3972	Victor B Story Sr	A415	G	0.092	0.097	0.097
Polk	3984	Nola Land Company, Inc	A490	G	0.010	0.049	0.049
Polk	4002	Elizabeth W. Beck Credit Shelter Trust	A415	G	0.101	0.320	0.320
Polk	4026	Clay Cut LLC	A415	G	0.026	0.174	0.174
Polk	4045	Amelia Groves, LLC	A415	G	0.009	0.120	0.120
Polk	4074	Ward's Nursery, Inc	A415	G	0.134	0.138	0.138
Polk	4093	Ben Hill Griffin, Inc	A415	G	0.120	0.122	0.122
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	G	0.342	0.254	0.254
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	S	0	0.254	0.254
Polk	4105	Wheeler Farms, Inc	A415	G	0.172	0.208	0.208
Polk	4108	PH Citrus, LLC	A415	G	0.204	0.424	0.424
Polk	4123	Wheeler Farms, Inc	A445	G	0.279	0.279	0.279
Polk	4166	SR 544, LLC	A415	G	0.275	0.315	0.315
Polk	4177	Hunt Bros, Inc	A415	G	0.004	0.010	0.010
Polk	4236	Nola Land Company Inc	A415	G	0	0.107	0.107
Polk	4242	Florida Sterling Investments, LTD	A415	G	0.003	0.091	0.091
Polk	4263	PH Citrus LLC	A415	G	0	0.276	0.276
Polk	4285	The Ridge Irrigation Cooperative	A415	G	0.128	0.054	0.054
Polk	4286	Faribault Groves Partners	A415	G	0.084	0.096	0.096
Polk	4301	Sun Grown Citrus LLC	A415	G	0.296	0.601	0.601
Polk	4328	G Stead Groves Inc	A415	G	0.089	0.128	0.128
Polk	4331	Wheeler Farms, Inc	A415	G	0.495	0.491	0.491

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	4341	Ben Hill Griffin, Inc	A415	G	0.079	0.081	0.081
Polk	4345	Dole Berry Company	A410	G	0.833	1.066	1.066
Polk	4376	Alcoma Caretaking LLC	A415	G	0.366	0.755	0.755
Polk	4377	H R Baxter & Sons Enterprises	A415	G	0.051	0.105	0.105
Polk	4424	Putnam Groves, Inc	A415	G	0.078	0.142	0.142
Polk	4432	Hunt Bros. Inc	A415	G	0.197	0.217	0.217
Polk	4497	Gapway Grove Corporation	A415	G	0.121	0.169	0.169
Polk	4516	Central Ridge Inc	A415	G	0.157	0.134	0.134
Polk	4532	Thomas A. Thayer Jr	A415	G	0.068	0.092	0.092
Polk	4551	Montanez Harvesting, Inc	A415	G	0	0.155	0.155
Polk	4551	Montanez Harvesting, Inc	A415	S	0	0.155	0.155
Polk	4558	Ben Hill Griffin, Inc	A415	G	0.229	0.357	0.357
Polk	4558	Ben Hill Griffin, Inc	A415	S	0.157	0.357	0.357
Polk	4559	Ben Hill Griffin, Inc	A415	G	0.677	0.807	0.807
Polk	4560	Ben Hill Griffin, Inc	A415	G	0.349	0.438	0.438
Polk	4563	Griffin Groves Inc	A415	G	0.141	0.148	0.148
Polk	4567	Ben Hill Griffin, Inc	A415	G	0.078	0.103	0.103
Polk	4628	Hunt Bros., Inc	A415	G	0.042	0.042	0.042
Polk	4629	Ronnie's Citrus, Inc	A415	G	0.063	0.070	0.070
Polk	4634	Hunt Bros Inc & CFM Inc & ENC Inc	A415	G	0.104	0.115	0.115
Polk	4766	Livingston Groves, LLC	A415	G	0.001	0.085	0.085
Polk	4810	Highland Sand, LLC	A415	G	0.254	0.424	0.424
Polk	4827	VLI Family Limited Partnership	A415	G	0.011	0.070	0.070
Polk	4831	Durrance and Sons LLC	A525	G	0.041	0.157	0.157
Polk	5008	Alico, Inc	A415	G	0.156	0.231	0.231
Polk	5010	Alico, Inc	A415	G	0.082	0.093	0.093
Polk	5011	Alico, Inc	A415	G	0.241	0.320	0.320
Polk	5013	Alico, Inc	A415	G	0.268	0.565	0.565

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	5013	Alico, Inc	A415	S	0.252	0.565	0.565
Polk	5014	Alico, Inc	A415	G	0.188	0.302	0.302
Polk	5014	Alico, Inc	A415	S	0.040	0.302	0.302
Polk	5015	Alico, Inc	A415	G	0.472	0.524	0.524
Polk	5016	Alico, Inc	A415	G	0.091	0.292	0.292
Polk	5016	Alico, Inc	A415	S	0.170	0.292	0.292
Polk	5019	Alico, Inc	A415	G	0.395	0.419	0.419
Polk	5062	Gardinier Florida Citrus, Inc	A415	G	0.728	0.948	0.948
Polk	5086	Vonann & Myers Groves Inc, Myers Fam Liv Trust	A415	G	0.204	0.404	0.404
Polk	5120	Emery C Jr. and Vada E Etter	A415	G	0.563	0.422	0.422
Polk	5123	Hunt Bros. Inc	A415	G	0.057	0.059	0.059
Polk	5125	Baneway Groves Inc	A415	G	0	0.081	0.081
Polk	5130	Fulton Keen, LLC	A415	G	0.076	0.147	0.147
Polk	5296	Ben Hill Griffin, Inc	A415	G	0.059	0.100	0.100
Polk	5394	Lake Sawyer Properties, Inc	A415	G	0.043	0.105	0.105
Polk	5396	Crews Groves Inc & Mallory Enterprises Inc	A415	G	0.312	0.242	0.242
Polk	5414	Emery C. & Vada E. Etter	A415	G	0.047	0.043	0.043
Polk	5416	Emery Etter, Jr	A415	G	0.033	0.035	0.035
Polk	5450	Hunt Bros, Inc	A415	G	0.066	0.062	0.062
Polk	5476	C.F.M., Inc	A415	G	0.255	0.290	0.290
Polk	5480	Hunt Bros. Inc	A415	G	0.076	0.073	0.073
Polk	5481	Hunt Bros., Inc	A415	G	0.023	0.193	0.193
Polk	5482	Hunt Bros. Inc	A415	G	0.201	0.268	0.268
Polk	5483	Hunt Bros., Inc	A415	G	0.131	0.137	0.137
Polk	5486	Hunt Bros. Inc	A415	G	0.082	0.092	0.092
Polk	5571	734 LMC Groves, LLC	A415	G	0.183	0.221	0.221
Polk	5572	734 LMC Groves, LLC	A415	G	0.153	0.143	0.143
Polk	5584	Sun Grown Citrus LLC	A415	G	0.059	0.110	0.110

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	5610	Ben Hill Griffin, Inc	A415	G	0.035	0.082	0.082
Polk	5629	Davis Enterprises, Inc	A415	G	0.171	0.142	0.142
Polk	5635	Gardinier Florida Citrus, Inc	A415	G	0.142	0.315	0.315
Polk	5636	Griffin Family Limited Partnership	A415	G	0.220	0.191	0.191
Polk	5654	Doudney Investment Co	A415	G	0.048	0.105	0.105
Polk	5669	PH Citrus LLC	A415	G	0.013	0.061	0.061
Polk	5679	South Property Holdings, LLC	A415	G	0	0.090	0.090
Polk	5711	C. C. Calhoun, Inc	A415	G	0.036	0.061	0.061
Polk	5739	PH Citrus, LLC	A415	G	0.056	0.091	0.091
Polk	5823	Putnam Groves, Inc	A415	G	0.147	0.318	0.318
Polk	5850	Hunt Bros. Inc	A415	G	0.313	0.334	0.334
Polk	6026	7L Camp Mack LLC	A415	G	0.768	1.448	1.448
Polk	6068	Rolling Meadow Ranch, Inc	A415	G	1.694	1.172	1.172
Polk	6128	Country Club of Lake Wales, Inc	A415	G	0.003	0.313	0.006
Polk	6268	Southern Citrus Nurseries, LLC	A415	G	0.218	0.148	0.148
Polk	6278	M and V, LLC	A480	G	0.048	0.124	0.124
Polk	6280	Beck Agricultural Holdings, LLLP	A415	G	0.012	0.092	0.092
Polk	6344	Kathleen Saunders	A415	G	0	0.087	0.087
Polk	6468	Robert G Stokes, Stokes Groves Inc, JK Reddler LLC	A495	G	0.266	0.340	0.340
Polk	6481	John T. Perry II	A415	G	0	0.082	0.082
Polk	6558	Thayer Farms, Inc	A415	G	0.441	0.313	0.313
Polk	6633	Christina P. Hooker	A415	G	0	0.125	0.125
Polk	6633	Christina P. Hooker	A415	S	0	0.125	0.125
Polk	6670	Mosaic Fertilizer LLC	A415	G	0.059	0.425	0.425
Polk	6755	Chris & Minnie Ingram	A410	G	0.046	0.159	0.159
Polk	6878	Wheeler Farms, Inc	A415	G	0.054	0.079	0.079
Polk	6890	Knight PC Holdings, LLC	A495	G	0	0.213	0.213
Polk	6940	6M Farms, LLC	A415	G	0.109	0.139	0.139

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	6995	Martin and Karen McKenna	A415	G	0.062	0.137	0.137
Polk	7053	Lake Hancock Partners LLLP	A415	G	0.024	0.271	0.271
Polk	7136	Davis Citrus, Inc	A415	G	0.084	0.135	0.135
Polk	7197	Douglas and Melanie Feek	A415	G	0.046	0.067	0.067
Polk	7199	South Orange Properties Llp	A415	G	0.082	0.118	0.118
Polk	7270	B & D LLC	A415	G	0.138	0.277	0.277
Polk	7375	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.147	0.116	0.116
Polk	7409	M.F.F Operations, Inc	A415	G	0.081	0.143	0.143
Polk	7517	Ben Hill Griffin, Inc	A415	G	0.089	0.102	0.102
Polk	7548	Ben Hill Griffin, Inc	A415	G	0.092	0.108	0.108
Polk	7570	Ambrose Grove LLC	A415	G	0.095	0.108	0.108
Polk	7573	Devane Citrus, Inc	A415	G	0.054	0.163	0.163
Polk	7654	Flying V, Inc	A415	G	0.099	0.130	0.130
Polk	7668	Ben Hill Griffin, Inc	A415	G	0.249	0.300	0.300
Polk	7670	734 LMC Groves, LLC	A415	G	0.744	0.906	0.906
Polk	7698	Ben Hill Griffin, Inc	A415	G	0.061	0.117	0.117
Polk	7789	Elliott Investments LLC	A490	G	0.065	0.150	0.150
Polk	7791	W. E. Green & Sons, Inc	A415	G	0	0.041	0.041
Polk	7796	Pat Wilson Inc	A490	G	0.116	0.166	0.166
Polk	7839	Griffin Family Limited Partnership	A415	G	0.113	0.103	0.103
Polk	7916	CG Citrus, LLC	A415	G	0.094	0.083	0.083
Polk	8096	Myers Groves, Inc	A415	G	0.164	0.209	0.209
Polk	8098	Myers Groves, Inc	A415	G	0.150	0.307	0.307
Polk	8119	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.034	0.170	0.170
Polk	8143	VLI Family Limited Partnership	A415	G	0.035	0.097	0.097
Polk	8206	Hazel Brannen	A415	G	0.101	0.102	0.102
Polk	8228	Ann W Jacob	A415	G	0.063	0.240	0.240
Polk	8261	734 LMC Groves, LLC	A415	S	0.050	0.059	0.059

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	8263	734 LMC Groves, LLC	A415	G	0.161	0.138	0.138
Polk	8295	Hermanns Real Estate Ventures, LLC	A410	G	0.180	0.360	0.360
Polk	8305	Ben Hill Griffin, Inc	A415	G	0.088	0.093	0.093
Polk	8357	B & B Assets, LLC	A415	G	0	0.101	0.101
Polk	8360	Lake Annie Grove LLC	A415	G	0.083	0.166	0.166
Polk	8582	Thomas A. Thayer Jr	A415	G	0.136	0.097	0.097
Polk	8620	B L Lanier & Associates	A415	G	0	0.106	0.106
Polk	8635	Alturas Properties LLC	A415	G	0.015	0.077	0.077
Polk	8645	Imperial Tropicals, Inc	L661	G	0.100	0.174	0.174
Polk	8934	Ben Hill Griffin, Inc	A415	G	0.136	0.181	0.181
Polk	8978	Story Family Limited Partnership, LLLP	A415	G	0.029	0.103	0.103
Polk	9001	New Living Stones Inc	A415	G	0	0.085	0.085
Polk	9192	Bowen Bros Inc	A415	G	0.366	0.361	0.361
Polk	9419	Alico, Inc	A415	G	0.084	0.595	0.595
Polk	9419	Alico, Inc	A415	S	0.499	0.595	0.595
Polk	9704	Lakeland Farms, Inc	A410	G	0.128	0.285	0.285
Polk	9704	Lakeland Farms, Inc	A410	S	0.227	0.285	0.285
Polk	9806	Lake Hancock Partners, LLLP	A410	G	0.048	0.126	0.126
Polk	9864	J. Everett Allen & Sons, Inc	A415	G	0.001	0.158	0.158
Polk	9887	Ida Averett, Sam Averett and Suzzane Butner	A415	G	0	0.096	0.096
Polk	10096	Twenty Twenty Groves Inc	A415	G	0.532	0.673	0.673
Polk	10096	Twenty Twenty Groves Inc	A415	S	0	0.673	0.673
Polk	10231	Morris Family Trust	A410	G	0.090	0.256	0.256
Polk	10575	Surterra Lakeland, LLC	A480	G	0.003	0.070	0.053
Polk	10598	Quality Turf LC	A525	G	0.262	0.392	0.392
Polk	10656	Stephen J. Fox, LLC	A590	G	0.036	0.120	0.116
Polk	10857	Burton Ranch, LLC	A415	G	0.038	0.053	0.053
Polk	10915	Stenger Holdings, Inc	A415	G	0.145	0.152	0.152

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	11031	Growers Investment Group, LLC	A415	G	0.193	0.166	0.166
Polk	11161	Ridge Investments, LLC	A415	G	0.059	0.091	0.091
Polk	11163	Emil Jahna	A415	G	0.083	0.100	0.100
Polk	11173	Rocker Farms Inc	A415	G	0.063	0.083	0.083
Polk	11176	Rocker Farms Inc	A415	G	0.039	0.074	0.074
Polk	11178	D&L Farms, Inc	A410	G	0.190	0.328	0.328
Polk	11209	Story Citrus, Inc	A415	G	0.129	0.182	0.182
Polk	11209	Story Citrus, Inc	A415	S	0.014	0.182	0.182
Polk	11219	Rolling Meadow Ranch Groves, LLC	A415	G	0.435	0.438	0.438
Polk	11229	Griffin Family Limited Partnership	A415	G	0.083	0.113	0.113
Polk	11297	Lake Isabell Partners	A415	G	0.194	0.169	0.169
Polk	11316	Livingston Groves, LLC	A415	G	0	0.078	0.078
Polk	11361	L & E, Inc	A415	G	0.035	0.061	0.061
Polk	11377	Norris Citrus Groves, Inc	A415	G	0.052	0.168	0.168
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	G	0.020	0.032	0.032
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	S	0	0.032	0.032
Polk	11533	Kathleen Farms, LLC	A535	G	0.065	0.147	0.147
Polk	11533	Kathleen Farms, LLC	A535	S	0	0.147	0.147
Polk	11630	Story Family Limited Partnership, LLLP	A415	G	0.128	0.144	0.144
Polk	11693	Brian S Dick	A485	G	0.010	0.176	0.017
Polk	11843	Family Acres, Inc	A415	G	0.304	0.136	0.136
Polk	11843	Family Acres, Inc	A415	S	0.062	0.136	0.136
Polk	11851	John L. Beck Living Trust	A415	G	0.052	0.143	0.143
Polk	11903	Hunt Bros. Inc	A415	G	0.007	0.008	0.008
Polk	12061	Hunt Bros. Inc	A415	G	0.123	0.112	0.112
Polk	12064	Hunt Bros. Inc	A415	G	0.046	0.037	0.037
Polk	12232	Citrosuco North America	A415	G	0.097	1.638	0.321
Polk	12392	PH Citrus LLC	A415	G	0.771	0.958	0.958

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	12446	C. C. Calhoun, Inc	A415	G	0.081	0.161	0.144
Polk	12459	Sara T. Lanier Revocable Living Trust	A415	G	0	0.140	0.140
Polk	12488	BT & JP James Land LLC	A410	G	0.198	0.305	0.305
Polk	12500	Rolling Meadow Ranch, Inc	A415	G	0.182	0.267	0.267
Polk	12510	The Parman Group, LLC	A415	G	0	0.271	0.271
Polk	12574	Family Acres, Inc	A415	G	0.025	0.091	0.091
Polk	12637	Wheeler Farms, Inc	A415	G	0.118	0.139	0.139
Polk	12782	Standard Sand & Silica Company	A415	G	0.146	0.571	0.571
Polk	12782	Standard Sand & Silica Company	A415	S	0.030	0.571	0.571
Polk	12792	Quality Turf, LC	A525	G	0.053	0.198	0.198
Polk	12867	Clear Springs Enterprises LLC	A410	G	0.826	1.299	1.299
Polk	12867	Clear Springs Enterprises LLC	A410	S	0.244	1.299	1.299
Polk	12890	Heifer Hill, Inc	A415	G	0.130	0.145	0.145
Polk	13018	Ben Hill Griffin, III Family Limited Partnership, LLLP	A470	G	0	0.243	0.243
Polk	13062	Sun Grown Citrus LLC	A415	G	0.177	0.247	0.247
Polk	13084	South Property Holdings, LLC	A490	G	0.019	0.123	0.123
Polk	13199	Imperial Polk Properties, Inc	A415	G	0.045	0.051	0.051
Polk	13201	PH Citrus LLC	A415	G	0.083	0.099	0.099
Polk	13221	Bowlegs Creek Groves, LLC	A415	G	0	0.066	0.066
Polk	13236	Nim Lithuel, LLC	A415	G	0.002	0.100	0.100
Polk	20205	David H. Grooms & Carl R. Grooms	A535	G	0.020	0.053	0.053
Polk	20205	David H. Grooms & Carl R. Grooms	A535	S	0.014	0.053	0.053
Polk	20292	Tree-O Groves, Inc	A415	G	0.083	0.098	0.098
Polk	20440	Preferred Materials, Inc	A415	G	0	0.150	0.150
Polk	20553	C.W. Deen Family Farm, LLC	A410	G	0.016	0.205	0.205
Polk	20553	C.W. Deen Family Farm, LLC	A410	S	0	0.205	0.205
Polk	20601	John Stephens, Inc	A415	G	0.059	0.082	0.082
Polk	20613	Citrus Sinensis LLC	A415	G	0.018	0.042	0.042

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) - Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	20789	Nucor Steel Florida Inc	A415	G	0.102	0.670	0.273
Polk	20833	Dundee Property Holdings, LLC	A415	G	0	0.133	0.133
Polk	20847	Wheeler Farms, Inc	A415	G	0.001	0.107	0.107
Polk County Totals					40.886	Metered, mgd	
					32.899	Estimated, 1,546 WUPs	
					73.779	Total, mgd	
Sarasota	3755	Mabry Carlton Ranch Inc	A56S	G	0.049	4.190	4.190
Sarasota	3764	Longino Ranch, Inc	A525	G	0.134	1.219	1.219
Sarasota	3854	D Bar F Ranch	A490	G	0	0.099	0.099
Sarasota	3872	The Ranch Land Operations, LLLP	L600	G	0	2.314	2.314
Sarasota	3873	Schwartz Farms Inc	A56S	G	0.693	2.181	2.181
Sarasota	3890	Ibis Road Investors, LLC	A525	G	0.078	0.592	0.592
Sarasota	4087	L T Partners LLLP	A525	G	0.099	0.818	0.818
Sarasota	4387	Hi Hat Ranch LLLP	A56S	G	0.577	2.436	2.436
Sarasota	4387	Hi Hat Ranch LLLP	A56S	S	0	2.436	2.436
Sarasota	5544	3 H Ranch LLC	A490	G	0	0.277	0.277
Sarasota	6736	Hmta Real Estate LLC	A525	G	0.005	0.301	0.301
Sarasota	7289	High Acres, LLC	A450	G	0.004	0.333	0.333
Sarasota	7846	Schroeder-Manatee Ranch, Inc (Multi-County w Manatee)	A525	G	0	18.238	3.370
Sarasota	8226	Lindvest Fruitvile, Ltd	A58H	G	0	0.370	0.370
Sarasota	8336	SMR/MYAKKA, LLC	A50F	G	0.080	0.883	0.883
Sarasota	9361	Albritton Groves Ltd	A415	G	0.159	0.177	0.177
Sarasota	9638	McCann East, LP	A495	G	0	0.149	0.149
Sarasota	10458	KH Palmer Blvd, LLC	A490	G	0	0.183	0.183
Sarasota	12275	Mote Marine Labratory, Inc	L632	G	0.003	0.155	0.154
Sarasota	12275	Mote Marine Labratory, Inc	L632	S	0	0.155	0.154
Sarasota	12516	J. Kenneth Harrison	A525	G	0.143	0.553	0.553
Sarasota	20192	SRQ Land, LLC	A525	G	0.083	0.724	0.724

2019 ESTIMATED WATER USE REPORT

Table A-7. 2019 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Sarasota	20253	Steven W. & Allison Flint	A58S	G	0	1.189	1.189
Sarasota	20818	Longino Ranch, Inc	A58H	G	0.036	0.674	0.674
Sarasota County Totals					2.142	Metered, mgd	
					0.485	Estimated, mgd, 25 WUPs	
					2.627	Total, mgd	
Sumter	2180	Sumter, LLC	A480	G	0	1.026	0.676
Sumter	3534	Florida Fish & Wildlife Conserv Commission	L632	G	1.939	1.991	1.991
Sumter	6838	Florida Department of Corrections	A57F	G	0.011	0.458	0.014
Sumter	8211	Flowerwood Nursery, Inc	A480	G	0.252	0.575	0.575
Sumter	10519	Carriage Country, Appaloosa Acres, Derby Dreams	A480	G	0.236	0.746	0.746
Sumter	20244	Barbara Lasley, et al.	A525	G	0	0.664	0.664
Sumter	20281	TDM Enterprises, LLC	A525	G	0.016	0.509	0.509
Sumter	20511	Walton Acquisitions FL, LLC	A52S	G	0	0.718	0.718
Sumter County Totals					2.455	Metered, mgd	
					4.336	Estimated, mgd, 105 WUPs	
					6.791	Total, mgd	
Sumter continued							
District Totals					246.283	Metered, mgd	
					96.629	Estimated, mgd	
					339.912	Total, mgd	

Notes:

Five Agricultural WUPs listed in Table A-7 above had a significant amount of withdrawals in multiple counties, so the withdrawals were split among county totals in the report.

- WUP 2715 was split for Citrus use in both Polk (=0.761-0.400 mgd) and Hardee (+0.400 mgd) counties.
- WUP 3275 was split for Citrus in both DeSoto (=1.328-0.793 mgd) and Charlotte (+0.793 mgd) counties.
- WUP 6915 was split for Citrus in both Manatee (=0.119-0.060 mgd) and DeSoto (+0.060 mgd) counties.
- WUP 7998 was split for Citrus both Manatee (=0.340-0.082 mgd) and Hardee (+0.082 mgd) counties.
- WUP 9741 was split for Citrus in both DeSoto (=0.973-0.046 mgd) and Manatee (+0.046 mgd) counties.

Additional WUPs exist that have minor overlaps of county borders.

Minor rounding discrepancies may also occur in some summations of raw data.

2019 ESTIMATED WATER USE REPORT

- 1 Use Code: Alpha-numeric code to identify largest specific use attributed to the permit. The first letter indicates the “predominant use” (A = Agriculture, L = Livestock). Each WUP may have multiple use codes, but largest specific use within the category is shown. Descriptions of the use codes are provided below.
- 2 Source = Groundwater (G), Surface Water (S)
- 3 The metered annual average withdrawals by each permittee under the Agricultural use category, in million gallons per day. The totals show the sum of metered withdrawals, an additional amount estimated for the non-metered permittees, and the combined total for the county and District.
- 4 The share of the permit quantity allocated for agricultural uses. If the value is less than the total permitted quantity, there is another predominant use allocated to the WUP and may be additional withdrawals listed in another table.

Descriptions of Agricultural Use Codes. This list contains more codes than are shown in Table A-7 for reference. Codes in italics have been discontinued but may still exist in the WMIS database until the permits are modified.

A400	Augmentation for Aesthetic	<i>A470</i>	<i>Melons</i>	A550	Corn, Sweet
<i>A402</i>	<i>Spray Mix for Crops</i>	A475	Nurseries	A56F	Tomatoes
A403	Biofuel Crops	A480	Nursery, Container	A56S	Tomatoes
A405	Augmentation for Environmental	A485	Nursery, Field	A610	Broccoli
A406	Packaging	<i>A486</i>	<i>Caladiums</i>	A615	Cabbage Bok Choy
A410	Blueberries	A487	Greenhouse Plants/Nursery	A620	Carrots
<i>A415</i>	<i>Citrus</i>	A490	Pasture	A625	Cauliflower
A416	Citrus, Flatwood	A491	Alfalfa	A630	Celery
A420	Container Citrus Nursery	<i>A495</i>	<i>Hay, Commercial</i>	A635	Eggplant
<i>A425</i>	<i>Field Citrus Nursery</i>	A505	Peppers	A640	Okra (Non-Cover Crop)
A430	Cover Crop	<i>A50F</i>	<i>Peppers</i>	A645	Personal Sanitary Use
A43F	Cucumbers	A515	Potatoes	A646	Onions
A43S	Cucumbers	A51S	Peppers	A647	Fire Suppression
A445	Fruit trees other than citrus	<i>A520</i>	<i>Research</i>	A650	Other (Non-Crop Miscellaneous)
<i>A44S</i>	<i>Cucumbers</i>	A525	Sod	A651	Peas, Snow Peas
A450	Corn, Feed	A52F	Peanuts	A655	Squash, Zucchini - (Non-Cover Crop)
A451	Corn, Silage	A52S	Peanuts	A700	Other Crops/Plants
A455	Grains, All	<i>A530</i>	<i>Soybeans</i>	A705*	Dewatering to On-Site for Ag
<i>A460</i>	<i>Lawn & Landscape Irrigation</i>	<i>A535</i>	<i>Strawberries</i>	A706	Dewatering to Off-Site for Ag
A465	Beans, Dry	A540	Subtropical Fruits		
<i>A466</i>	<i>Beans, Green</i>	A545	Sugarcane		

* Use A705 is excluded from the estimated water use query.
Additional Livestock Use Codes continue on next page.

2019 ESTIMATED WATER USE REPORT

Livestock Use Codes

L600	Animals	L625	Equipment and Facility Cleaning	L700	Animal Cleaning
L601	Goats	L630	Fish Farm (Edible)	L705	Cleaning / Maintenance
L602	Llama/Alpaca	L631	Catfish - Food	L707	Tank fill for fertigation/chemigation
L603	Ostrich	L632	Commercial Food	L710	Drinking
L604	Rabbits	L633	Feeder	L715	Equipment and Facility Cleaning
L605	<i>Cattle, Feedlot</i>	L635	<i>Horses</i>	L720	In-field washing and packing
L606	Sheep	L650	Poultry/Turkeys	L725	Packaging
L610	<i>Cattle, Pastured</i>	L655	Swine	L730	Product Cooling
L615	Dairy Farming	L660	Tropical Fish Farms	L735	Product Washing
L620	Product Cooling	L661	Commercial Tropical	L740	Fire Protection/Testing
				L745	Rescue Shelter Animals

2019 ESTIMATED WATER USE REPORT

TABLE A-8. 2019 METERED + ESTIMATED AGRICULTURE MONTHLY AVERAGE WITHDRAWALS (MGD/MONTH) BY COUNTY

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	11.056	4.305	4.926	12.903	8.505	8.983	2.047	12.638	8.996	12.072	12.374	11.840
Citrus	1.272	1.451	1.891	2.297	2.654	1.312	0.666	0.379	1.899	2.601	2.109	1.389
Desoto	47.500	37.480	54.926	69.937	94.709	50.153	23.337	10.806	70.874	79.231	75.784	52.946
Hardee	25.933	30.727	38.845	48.948	62.220	31.901	17.423	8.403	43.250	52.998	46.478	28.224
Hernando	1.240	1.437	2.022	2.522	2.754	1.286	0.514	0.131	2.058	2.973	2.282	1.403
*Highlands	32.389	39.052	45.331	48.678	58.822	33.357	32.793	15.887	50.967	49.929	43.416	28.784
Hillsborough	28.954	38.394	42.166	49.025	44.112	16.031	12.311	11.953	55.391	103.185	50.784	30.019
*Lake	0.486	0.641	1.149	1.657	1.116	0.641	0.220	0.121	1.107	1.274	1.237	0.463
*Levy	6.607	4.047	7.662	7.965	17.183	11.304	11.943	6.999	6.952	8.828	6.053	6.254
Manatee	26.261	41.835	84.157	93.156	68.095	39.229	14.505	10.649	65.334	100.732	66.376	36.687
*Marion	2.804	3.150	4.615	5.693	6.119	3.232	1.039	0.386	4.216	6.388	5.587	3.305
Pasco	4.626	4.636	5.849	7.289	8.100	4.340	2.065	0.752	6.221	8.520	6.259	4.009
Pinellas	0.001	0.005	0.002	0.003	0.004	0.002	0.001	0	0.003	0.004	0.002	0.002
*Polk	56.173	68.423	91.174	104.662	112.533	60.307	36.490	18.936	94.713	106.775	84.975	54.980
Sarasota	1.344	1.901	2.529	4.657	4.896	3.997	1.147	0.584	3.061	3.077	2.359	1.976
Sumter	5.557	7.162	7.763	8.350	8.398	7.115	2.984	2.947	7.732	11.308	7.250	4.922
District Total	252.203	284.646	395.008	467.742	500.220	273.187	159.484	101.572	422.775	549.896	413.326	267.203
Groundwater	238.089	273.391	381.350	449.469	484.765	262.174	152.282	85.131	405.457	529.094	399.687	258.148
Surface Water	14.114	11.255	13.658	18.273	15.455	11.013	7.202	16.441	17.318	20.802	13.639	9.055

* Data is only from the portion of the county within the District.

Source: Estimated Water Use Tables derived from the WMIS WUP database.

2019 ESTIMATED WATER USE REPORT

Table A-9. 2019 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category ⁴
Charlotte	9687	Williams Farms Partnership	M976	G	0	1.858	0.035
Charlotte	9687	Williams Farms Partnership	M976	S	0	1.858	0.035
Charlotte	9926	R and D Cattle Ranch LLC	M976	G	0	0.665	0.049
Charlotte	9926	R and D Cattle Ranch LLC	M976	S	0	0.665	0.049
Charlotte County Totals					0	Metered, mgd	
					0.137	Estimated, mgd, 17 WUPs	
					0.137	Total, mgd	
There were no metered mining/dewatering water use permits in Citrus County					0	Metered, mgd	
					0.043	Estimated, mgd, 3 WUPs	
					0.043	Total, mgd	
There were no metered mining/dewatering water use permits in DeSoto County					0	Metered, mgd	
					0.006	Estimated, mgd, 2 WUPs	
					0.006	Total, mgd	
Hardee	3669	Mosaic Fertilizer LLC	M940	G	0.001	6.392	6.392
Hardee ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	1.262	69.600	44.600
Hardee County Totals					1.263	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					1.263	Total, mgd	
There were no metered mining/dewatering water use permits in Hernando County					0	Metered, mgd	
					0.016	Estimated, mgd, 4 WUPs	
					0.016	Total, mgd	
There were no metered mining/dewatering water use permits in Highlands County					0	Metered, mgd	
					0.009	Estimated, mgd, 2 WUPs	
					0.009	Total, mgd	
Hillsborough	660	Farmland Reserve, Inc	M976	G	0	0.498	0.003
Hillsborough	660	Farmland Reserve, Inc	M976	S	0	0.498	0.003
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	M976	G	0.001	0.159	0.017

2019 ESTIMATED WATER USE REPORT

Table A-9. 2019 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category ⁴
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	M976	S	0	0.159	0.017
Hillsborough	12836	Razorback Ranch, LLC	M965	G	0	0.496	0.093
Hillsborough	12836	Razorback Ranch, LLC	M965	S	0	0.496	0.093
Hillsborough ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	2.715	69.600	44.600
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	G	0.026	1.971	0.08
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	S	0	1.971	0.08
Hillsborough County Totals					2.742	Metered, mgd	
					0.018	Estimated, mgd, 5 WUPs	
					2.760	Total, mgd	
There were no metered mining/dewatering water use permits in Lake County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
There were no metered mining/dewatering water use permits in Levy County					0	Metered, mgd	
					0	Estimated, mgd, 1 WUP	
					0	Total, mgd	
Manatee	4309	CC Manatee Development LLC	M976	G	0.001	0.624	0.009
Manatee	4309	CC Manatee Development LLC	M976	S	0	0.624	0.009
Manatee	11019	Old Florida Investments, Inc	M976	G	0.025	1.539	0.06
Manatee	11019	Old Florida Investments, Inc	M976	S	0	1.539	0.06
Manatee ⁵	11400	Mosaic Fertilizer, LLC (multi County)	M940	G	3.901	69.600	44.600
Manatee County Totals					3.926	Metered, mgd	
					0.001	Estimated, mgd, 2 WUPs	
					3.927	Total, mgd	
There were no metered mining/dewatering water use permits in Marion County					0	Metered, mgd	
					0.019	Estimated, mgd, 2 WUP	
					0.019	Total, mgd	
Pasco	13170	Angelo's Aggregate Materials Ltd.	M976	G	0	0.579	0.004
Pasco County Totals					0	Metered, mgd	

2019 ESTIMATED WATER USE REPORT

Table A-9. 2019 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category ⁴
Pasco continued					0.055	Estimated, mgd, 5 WUPs	
					0.055	Total, mgd	
There were no metered mining/dewatering water use permits in Pinellas County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
Polk	1356	Preferred Materials Inc	M960	G	0.202	0.491	0.491
Polk	2873	Cemex Const Materials Florida, LLC	M976	G	0.021	1.073	0.083
Polk	2873	Cemex Const Materials Florida, LLC	M976	S	0	1.073	0.083
Polk ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	10.068	69.600	44.600
Polk ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	S	0	69.600	44.600
Polk	12076	Cemex Const Materials Florida, LLC	M976	G	0	0.097	0.046
Polk	12076	Cemex Const Materials Florida, LLC	M976	S	0	0.097	0.046
Polk	12755	Cemex Const Materials Florida, LLC	M960	G	0.071	0.198	0.198
Polk	12755	Cemex Const Materials Florida, LLC	M960	S	0	0.198	0.198
Polk County Totals					10.362	Metered, mgd	
					0.095	Estimated, mgd, 9 WUPs	
					10.457	Total, mgd	
There were no metered mining/dewatering water use permits in Sarasota County					0	Metered, mgd	
					0.003	Estimated, mgd, 2 WUPs	
					0.003	Total, mgd	
Sumter	12885	Suwannee American Cement Company	M976	G	0.021	0.443	0.099
Sumter County Totals					0.021	Metered, mgd	
					0.145	Estimated, mgd, 4 WUPs	
					0.166	Total, mgd	
District Totals					18.315	Metered, mgd	
					0.547	Estimated, mgd	
					18.862	Total, mgd	

2019 ESTIMATED WATER USE REPORT

Source: WMIS database. Totals were calculated using raw data, which may create minor rounding discrepancies.

Notes:

- 1 Use Code: Alpha-numeric code to identify the largest specific use attributed to the permit. The first letter indicates the “predominant use” (M = mining/dewatering). Each WUP may have multiple use codes but largest specific use within the category is shown. Descriptions of the use codes are provided below.
- 2 Source = Groundwater (G) or Surface Water (S)
- 3 The metered annual average withdrawals by each permittee under the mining/dewatering use category, in million gallons per day. The totals show the sum of metered withdrawals, an additional amount estimated for the non-metered permittees, and the combined total for the county.
- 4 The share of Permitted Quantity allocated for the subject Predominant Use. If the value is less than the total permitted quantity, there is another predominant use allocated to the WUP. There may be additional withdrawals by the permittee for the other use on another table.
- 5 The Mosaic Fertilizer Integrated Water Use Permit (#11400) permitted quantity is assigned to Polk County, but the permit has withdrawal points located in Hardee, Hillsborough, Manatee, and Polk counties. The metered withdrawals are allocated to the county where they occurred.

Descriptions of mining/dewatering use codes are provided below. There are more codes listed, for reference, than are shown in Table A-9.

M905	Augmentation for Environmental	M935	Personal Sanitary Use	M975	Shell Processing
M910	Lawn & Landscape Irrigation	M940	Phosphate Ore Processing	M976	Water Entrained with Product
M911	Plant/Facilities Mining	M945	Phosphate Pit Dewatering	M980	Fire Protection/Testing
M912	Outside Use (washing/maintenance)	M950	Phosphate Water Table Dewater	M985*	Recirculated Mining Quantities
M915	Limestone Processing	M955	Reclamation Irrigation	M990	Water Discharged Off-Site
M920	Limestone Quarry Dewatering	M960	Sand & Gravel Processing	M995	Environmental Dewatering
M925	Mining Other Uses	M965	Sand & Gravel Dewatering	M996	Dewatering for construction
M930	Peat Mine Dewatering	M970	Shell Pit Dewatering	M999	Gypsum Stack Closure

*Use M985 is excluded from the estimated water use query.

2019 ESTIMATED WATER USE REPORT

Table A-10. 2019 Metered + Estimated Mining/Dewatering Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.101	0.122	0.163	0.183	0.153	0.124	0.060	0.133	0.114	0.189	0.157	0.149
Citrus	0.033	0.036	0.050	0.050	0.044	0.033	0.010	0.039	0.043	0.062	0.061	0.048
Desoto	0.004	0.005	0.007	0.009	0.007	0.006	0.004	0.006	0.003	0.007	0.004	0.006
Hardee	0.911	0.080	0.006	0.006	0.006	0.011	0.006	0.019	0.001	0.001	0	0.001
Hernando	0.011	0.015	0.019	0.025	0.022	0.016	0.011	0.013	0.013	0.024	0.014	0.015
*Highlands	0.006	0.008	0.010	0.014	0.011	0.010	0.007	0.009	0.005	0.011	0.006	0.009
Hillsborough	4.118	8.620	5.669	3.527	2.801	2.517	2.680	2.066	2.729	2.729	2.276	2.827
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0	0	0	0	0
Manatee	3.690	3.711	3.944	3.968	5.836	4.803	3.938	4.037	3.375	0.392	4.603	4.845
*Marion	0.013	0.022	0.018	0.017	0.016	0.017	0.017	0.018	0.021	0.024	0.019	0.023
Pasco	0.038	0.065	0.053	0.052	0.050	0.051	0.050	0.051	0.062	0.070	0.055	0.067
Pinellas	0	0	0	0	0	0	0	0	0	0	0	0
*Polk	6.196	7.813	6.416	6.584	6.902	7.733	22.562	13.087	26.224	12.977	10.658	10.553
Sarasota	0.002	0.003	0.004	0.005	0.004	0.003	0.002	0.003	0.002	0.004	0.002	0.003
Sumter	0.125	0.182	0.142	0.175	0.168	0.174	0.168	0.146	0.179	0.200	0.149	0.192
District Total	15.248	21.578	17.801	15.608	16.980	17.493	30.431	20.498	33.953	17.841	19.142	21.558
Groundwater	14.929	21.131	17.321	15.094	16.533	17.091	30.136	20.071	33.544	17.262	18.680	21.055
Surface Water	0.319	0.447	0.480	0.514	0.447	0.402	0.295	0.427	0.409	0.579	0.462	0.503

* Data is only from the portion of the county within the District.

Source: Estimated Water Use Tables derived from the WMIS WUP database.

Data for the Mosaic Fertilizer multi-county permit (WUP 11400) were adjusted manually per well so withdrawals are represented in the county where they occurred.

2019 ESTIMATED WATER USE REPORT

Table A-11. 2019 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Charlotte	10959	Philip von Kahle, Curator	I840	G	0	0.203	0.023
Charlotte County Totals					0	Metered, mgd	
					0.023	Estimated, mgd, 6 WUPs	
					0.023	Total, mgd	
Citrus	207	City of Crystal River	I840	G	0.004	0.919	0.005
Citrus	3672	Florida Power Corp Db a Duke Energy	I860	G	1.585	5.309	5.309
Citrus	11281	Metal Industries, Inc	I705	G	0.107	0.220	0.220
Citrus	20299	Heatherwood Investments, LLC	I735	G	0	0.077	0.077
Citrus	20362	United States Gypsum Company	I500	G	0	0.397	0.397
Citrus County Totals					1.695	Metered, mgd	
					0.077	Estimated, mgd, 10 WUPs	
					1.772	Total, mgd	
DeSoto	70	Peace River Citrus Products Inc	I765	G	0.265	0.400	0.400
DeSoto	6841	Desoto County BOCC	I840	G	0.392	0.822	0.822
DeSoto County Totals					0.657	Metered, mgd	
					0.081	Estimated, mgd, 3 WUPs	
					0.738	Total, mgd	
Hardee	9731	Hardee Power Partners	I725	G	1.709	3.800	3.800
Hardee ⁵	11400	Mosaic Fertilizer, LLC (Multi-County)	I859	G	0.012	69.600	25.000
Hardee	12048	Vandolah Power Company LLC	I425	G	0.019	0.212	0.212
Hardee	12331	Classic Caladiums Inc & Smoak Groves Inc	I805	G	0.034	0.929	0.086
Hardee	13158	Mooney Family, LLC	I735	G	0	0.449	0.449
Hardee County Totals					1.773	Metered, mgd	
					0.057	Estimated, mgd, 5 WUPs	
					1.830	Total, mgd	
Hernando	2286	Cemex Inc	I740	G	0.277	2.716	2.716
Hernando	7015	Florida Power Development, LLC	I447	G	4.245	5.410	5.410
This space is intentionally blank.							

2019 ESTIMATED WATER USE REPORT

Table A-11. 2019 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Hernando County Totals					4.521	Metered, mgd	
					0.034	Estimated, mgd, 6 WUPs	
					4.555	Total, mgd	
There were no metered Industrial/Commercial WUPS in Highlands County					0	Metered, mgd	
					0.097	Estimated, mgd, 12 WUPs	
					0.097	Total, mgd	
Hillsborough	148	Yuengling Brewing Co of Tampa Inc	I513	G	0.313	0.666	0.666
Hillsborough	229	RCCI (Red Chamber Co Inc)	I830	G	0.231	0.214	0.214
Hillsborough	405	Tampa Seaboard, LLC	I501	G	0	0.100	0.100
Hillsborough	1415	Mosaic Fertilizer, LLC	I835	G	1.394	4.240	4.240
Hillsborough	1415	Mosaic Fertilizer, LLC	I835	S	0.001	4.240	4.240
Hillsborough	1532	Mosaic Fertilizer, LLC	I755	G	0.005	5.985	5.970
Hillsborough	1532	Mosaic Fertilizer, LLC	I755	S	2.724	5.985	5.970
Hillsborough	1960	University of South Florida	I840	G	1.104	2.364	1.404
Hillsborough	1960	University of South Florida	I840	S	0.008	2.364	1.404
Hillsborough	2045	Midway Investment Company, Inc	I840	G	0	0.306	0.001
Hillsborough	2045	Midway Investment Company, Inc	I840	S	0	0.306	0.001
Hillsborough	2998	Bay Mulch Inc	I805	G	0	0.004	0.004
Hillsborough	3055	Speedling, Inc	I500	G	0.001	0.302	0.006
Hillsborough	3118	Kerry I & F Contracting Co	I800	G	1.969	3.050	3.050
Hillsborough	3742	Paradise, Inc	I511	G	0.117	0.228	0.228
Hillsborough	6233	Tampa Electric Company	I863	G	0	0.234	0.234
Hillsborough	7586	Dover RE Holdings, LLC	I519	G	0	0.106	0.072
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	I477	G	0	0.027	0.001
Hillsborough	9658	Keel Farms, Inc	I420	G	0.002	0.069	0.005
Hillsborough	11400	Mosaic Fertilizer, LLC (Multi-County)	I859	G	0.754	69.600	25.000
Hillsborough	11181	Del Monte Fresh Production, Inc	I840	G	0	1.591	0.004

2019 ESTIMATED WATER USE REPORT

Table A-11. 2019 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Hillsborough	11576	Tampa Electric Company	I472	G	0.002	0.100	0.100
Hillsborough	11986	St Joseph's Hospital, Inc	I400	G	0.112	0.192	0.192
Hillsborough	13131	St. Joseph's Health Care Center, Inc	I477	G	0.001	0.006	0.006
Hillsborough	13228	Mosaic Fertilizer, LLC	I720	G	0.166	4.250	4.250
Hillsborough	20215	Trademark Nitrogen, Corp	I805	G	0.198	0.206	0.206
Hillsborough County Totals					9.099	Metered, mgd	
					0.285	Estimated, mgd, 42 WUPs	
					9.384	Total, mgd	
There were no industrial/commercial water use permits in Lake County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
There were no metered industrial/commercial water use permits in Levy County					0	Metered, mgd	
					0.010	Estimated, mgd, 8 WUPs	
					0.004	Total, mgd	
Manatee	5302	Florida Power & Light, Manatee Plant	I861	S	4.482	8.519	8.519
Manatee	5423	Florida Power & Light Company	I770	G	0.050	0.435	0.073
Manatee ⁵	11400	Mosaic Fertilizer, LLC (Multi-County)	I859	G	0	69.600	25.000
Manatee	12413	Waste Management Inc. of Florida	I805	G	0	0.135	0.135
Manatee	12413	Waste Management Inc. of Florida	I805	S	0	0.135	0.135
Manatee	20198	Lockheed Martin Corporation	I705	G	0.224	0.411	0.411
Manatee County Totals					4.755	Metered, mgd	
					0.089	Estimated, mgd, 13 WUPs	
					4.845	Total, mgd	
There were no metered industrial/commercial water use permits in Marion County					0	Metered, mgd	
					0.010	Estimated, mgd, 2 WUPs	
					0.010	Total, mgd	
This space is intentionally blank.							

2019 ESTIMATED WATER USE REPORT

Table A-11. 2019 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Pasco	451	Tanler Water Company	1805	G	0.159	3.514	3.514
Pasco	9087	Pasco County Utilities	1780	G	0.112	0.72	0.72
Pasco	9132	Crystal Springs Preserve Inc	1735	G	0	0.757	0.757
Pasco	9132	Crystal Springs Preserve Inc	1735	S	0.586	0.757	0.757
Pasco	10772	Duke Energy Florida, LLC	1865	G	0.177	0.288	0.288
Pasco	11913	Heritage Springs Comm Assoc, Inc	1810	G	0	0.429	0.061
Pasco	12052	Shady Hills Power Company, LLC	1425	G	0.001	0.154	0.154
Pasco	12784	Order of Saint Benedict of Florida	1477	G	0.003	0.143	0.012
Pasco County Totals					1.040	Metered, mgd	
					0.034	Estimated, mgd, 11 WUPs	
					1.074	Total, mgd	
Pinellas	10646	Olympia Investment Group, SHS Resort	1405	G	0.045	0.040	0.036
Pinellas	20254	Electronic Comm Inc.	1805	G	0.066	0.230	0.230
Pinellas County Totals					0.110	Metered, mgd	
					0.036	Estimated, mgd, 5 WUPs	
					0.147	Total, mgd	
Polk	47	City of Lakeland	1435	G	0.882	2.592	2.592
Polk	47	City of Lakeland	1435	S	0	2.592	2.592
Polk	225	Interstate Commerce Park One, LLC	1502	G	0.033	0.084	0.084
Polk	260	Caribbean Distillers, LLC	1800	G	0	0.112	0.112
Polk	261	Hackl Enterprises, LLC	1429	G	0.001	0.143	0.143
Polk	295	City of Lakeland	1780	S	0.143	0.415	0.415
Polk	408	Citrus World, Inc	1765	G	1.369	2.139	2.139
Polk	438	U.S. Agri-Chemicals Corp	1835	G	5.703	6.242	6.242
Polk	440	U.S. Agri-Chemicals Corp	1859	G	0	0.063	0.063
Polk	493	Cutrale Citrus Juices USA Inc	1765	G	1.079	2.500	2.500
Polk	610	Mosaic Fertilizer, LLC	1835	G	0.460	1.665	1.665

2019 ESTIMATED WATER USE REPORT

Table A-11. 2019 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Polk	2834	Bartow Citrus Products, LLC	I765	G	0.039	0.394	0.385
Polk	3147	Clear Springs Enterprises LLC	I511	G	0.158	0.478	0.298
Polk	3150	Kc Industries LLC	I423	G	0.001	0.192	0.141
Polk	3641	AOC, LLC	I780	G	0.019	0.601	0.601
Polk	5798	Publix Super Markets Inc	I412	G	1.018	1.441	1.441
Polk	5798	Publix Super Markets Inc	I412	S	0.010	1.441	1.441
Polk	8753	GCP Plantation Landings, LLC	I478	G	0.011	0.070	0.013
Polk	10347	Caribbean Distillers, LLC	I800	G	0.207	0.300	0.300
Polk	10555	Caribbean Distillers, LLC	I780	G	0.293	0.377	0.377
Polk	10575	Surterra Lakeland, LLC	I700	G	0	0.070	0.005
Polk	10631	Wheelabrator Ridge Energy, Inc	I861	G	0.035	0.875	0.875
Polk	10700	Polk Power Partners LP	I865	G	0.317	0.761	0.761
Polk	10770	Refresco Florida, Inc	I420	G	0.480	0.900	0.900
Polk	10840	Duke Energy & U.S. Agri-Chemicals Corp	I861	G	0.585	1.700	1.700
Polk	10944	Duke Energy Florida	I861	G	0.468	17.500	17.500
Polk	10948	Orange Cogeneration Limited Partnership	I860	G	0.334	0.660	0.660
Polk ⁵	11400	Mosaic Fertilizer (Multi-County w Sarasota)	I859	G	12.600	69.600	25.000
Polk ⁵	11400	Mosaic Fertilizer (Multi-County w Sarasota)	I859	S	0	69.600	25.000
Polk	11747	Tampa Electric Company	I863	G	0.500	4.300	4.300
Polk	12054	Duke Energy - Osprey Energy Center	I861	G	1.815	2.742	2.742
Polk	12076	Cemex Construction Materials Florida, LLC	I745	G	0	0.097	0.050
Polk	12076	Cemex Construction Materials Florida, LLC	I745	S	0	0.097	0.050
Polk	12232	Citrosuco North America	I765	G	0.398	1.638	1.317
Polk	12794	Sofidel America, Inc	I800	G	0.167	0.324	0.324
Polk	12867	Clear Springs Enterprises LLC	I840	G	0	1.299	0
Polk	12867	Clear Springs Enterprises LLC	I840	S	0	1.299	0
Polk	13068	GrowHealthy Properties, LLC	I755	G	0.015	0.036	0.036

2019 ESTIMATED WATER USE REPORT

Table A-11. 2019 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Polk	13240	Mizkan America Inc	I800	G	0.025	0.049	0.049
Polk	20789	Nucor Steel Florida Inc	I429	G	0.149	0.670	0.397
Polk County Totals					29.297	Metered, mgd	
					0.519	Estimated, mgd, 64 WUPs	
					29.816	Total, mgd	
There were no metered industrial/commercial water use permits in Sarasota County					0	Metered, mgd	
					0.114	Estimated, mgd, 9 WUPs	
					0.114	Total, mgd	
Sumter	2180	Sumter, LLC	I735	G	0	1.026	0.350
Sumter	6838	Florida Department of Corrections	I840	G	0.375	0.458	0.444
Sumter	8193	City of Center Hill	I820	G	0.005	0.171	0.014
Sumter	11259	Sumter County BOCC	I805	G	0	0.049	0.049
Sumter	12885	Suwannee American Cement Company, LLC	I740	G	0.072	0.443	0.344
Sumter	13111	William Farkus Rev Living Trust	I735	G	0.027	0.496	0.496
Sumter	20576	SWR Properties, LLC	I735	G	0	0.496	0.496
Sumter County Totals					0.478	Metered, mgd	
					0.272	Estimated, mgd, 15 WUPs	
					0.750	Total, mgd	
District Totals					53.426	Metered, mgd	
					1.738	Estimated, mgd	
					55.163	Total, mgd	

Source: District WMIS database. Totals are calculated from raw data which creates some minor rounding discrepancies in summations.

- 1 Use Code: Alpha-numeric code to identify largest specific use attributed to the permit. The first letter indicates the "predominant use" on the permit. (I = Industrial/Commercial). Each WUP may have multiple use codes, but largest specific use within the category is shown. Descriptions of the use codes are provided below.
- 2 Source = Groundwater (G) or Surface Water (S)
- 3 The annual average withdrawals by each permittee under the industrial/commercial use category, in million gallons per day. The totals show the sum of metered withdrawals, an additional amount estimated for the non-metered permittees, and the combined total for the county.

2019 ESTIMATED WATER USE REPORT

- 4 The share of Permitted Quantity allocated for the subject Predominant Use. If the value is less than the total permitted quantity, there is another predominant use allocated to the WUP. There may be additional withdrawals by the permittee for the other use on another table.
- 5 The Mosaic Fertilizer Integrated Water Use Permit (#11400) permitted quantity is assigned to Polk County, but the permit has withdrawal points located in multiple counties. The metered withdrawals are allocated to the county where they occurred.

Descriptions for the Industrial/Commercial Use Codes used in WMIS. There are more codes listed, for reference, than appear in Table A-11.

I412	Cleaning and Maintenance	1701*	Closed Loop Heating and Cooling	1815	Lime Processing (Food, Fertilizer, etc.)
I423	Emission Control	1705	Aquifer Remediation	1820	Meat Packing
I425	Emission Control	1706	Water Well Contracting	1825*	Non-Power-Plant Non-Consumptive Cooling
I447	Power Plant Cooling Water Makeup	1710	Asphalt Manufacturing	1830	Perishable Food Processing
I467	Any Other Water Uses Not Listed	1720	Augmentation for Environmental	1835	Phosphate Chemical Processing
I468	Air Conditioning/Chillers	1725	Non-Power-Plant Boiler Makeup-Water	1840	Personal Sanitary Use
I469	Animals	1730	Non-Power Boiler Pollution Control	1841	Portable Use for Institutions
I470	Animal Watering	1735	Bottled Water	1845	Refrigeration
I471	Aquatic Habitat Fill	1736	Biofuels	1850	Truck Crop Packing
I472	Aquatic Habitat Water Change	1740	Cement Manufacturing	1855	Water Well Contracting
I473	Aquatic Habitat Water Replacement	1745	Cement or Cement Batch Plants	1856*	Reuse Water Quantities Received
I474	Augmentation for Aesthetic	1750	Cements or Cement Products	1857*	Reuse Water Quantities Used
I475	Fire Protection/Testing	1755	Chemical Manufacturing	1858	Water Used for Construction Purposes (Temp.)
I476	Lawn & Landscape Irrigation	1760	Citrus Packing	1859	Phosphate Gypsum Stack Closure
I477	Personal Sanitary Use	1765	Citrus Processing	1860	Power Plant Emission Control
I503	Evaporative Cooling	1770	Cleaning & Maintenance	1861	Power Plant Closed Cycle Steam Cooling
I504	Product Content	1775	Commercial Use (Car Washes, Laundry)	1862	Power Plant Once-Through Steam Cooling
I510	Product Washing	1780	Consumptive Cooling of Product	1863	Power Plant Boiler Feed and Makeup Water
I511	Product Mixing and Dilution	1785	Dilution	1864	Power Plant Personal/Sanitary
I512	Product Washing	1795	Fire Protection and Testing	1865	Power Plant Industrial-Other
I513	Process Water	1800	General Product Manufacturing	1866*	Power Plant Seawater Cooling
I519	Washing	1805	Industrial Other Uses	1867	Refrigeration
I700	Air Conditioning	1810	Lawn & Landscape Irrigation	1868	Any Other Water Uses Not Listed

*Uses I701, I825, I856, I857, and I866 are excluded from the estimated water use query.

2019 ESTIMATED WATER USE REPORT

Table A-12. 2019 Metered + Estimated Industrial/Commercial Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.022	0.024	0.023	0.022	0.020	0.019	0.023	0.023	0.025	0.022	0.021	0.027
Citrus	1.495	1.114	1.397	1.310	1.560	2.160	2.455	1.431	2.433	2.321	2.367	1.240
Desoto	0.900	0.838	0.827	0.838	0.844	0.628	0.622	0.505	0.916	0.680	0.531	0.727
Hardee	1.067	0.667	1.298	1.636	1.655	1.665	2.648	1.757	1.803	2.137	2.930	2.700
Hernando	3.506	4.763	4.358	4.322	5.092	3.944	5.061	5.086	4.612	5.236	5.510	3.185
*Highlands	0.092	0.102	0.108	0.115	0.106	0.082	0.067	0.061	0.118	0.123	0.103	0.089
Hillsborough	10.217	12.249	10.656	10.000	10.395	9.162	7.916	8.363	8.120	8.297	9.559	7.851
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.010	0.010	0.010	0.010	0.009	0.008	0.010	0.010	0.011	0.010	0.009	0.012
Manatee	0.311	0.410	0.398	0.622	0.312	10.106	12.440	26.445	0.345	4.228	0.932	1.591
*Marion	0.009	0.010	0.010	0.009	0.008	0.008	0.010	0.010	0.011	0.009	0.009	0.011
Pasco	1.115	0.998	1.058	1.124	1.127	1.168	1.141	0.997	1.151	0.887	1.021	1.093
Pinellas	0.135	0.150	0.127	0.130	0.129	0.131	0.159	0.167	0.171	0.173	0.134	0.153
*Polk	21.709	24.876	22.164	26.038	29.512	27.401	35.410	28.478	38.896	27.319	28.331	26.242
Sarasota	0.113	0.124	0.125	0.126	0.110	0.096	0.090	0.088	0.139	0.133	0.112	0.109
Sumter	0.670	0.649	0.557	0.863	0.857	0.879	0.847	0.666	0.756	0.909	0.667	0.691
District Total	41.371	46.983	43.116	47.165	51.736	57.457	68.899	74.086	59.507	52.484	52.236	45.721
Groundwater	37.960	43.971	40.116	43.663	48.129	44.159	52.784	43.850	55.839	44.944	48.126	41.101
Surface Water	3.411	3.012	3.000	3.502	3.607	13.298	16.115	30.236	3.668	7.540	4.110	4.620

* Data is only from the portion of the county within the District.

Source: Estimated Water Use Tables derived from the WMIS WUP database.

2019 ESTIMATED WATER USE REPORT

Table A-13. 2019 Permitted and Withdrawn Quantities for Institutional and "Other" WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Charlotte	11792	Charlotte County School Board	N485	G (est.)	0.009	0.027	0.027
Charlotte County Totals					0.009	Total, mgd	
Citrus	7823	College of Central Florida	N484	G (est.)	0.003	0.011	0.011
Citrus	8849	Citrus County BOCC	N490	G (est.)	0.001	0.002	0.001
Citrus	13290	Citrus County	N484	G (est.)	0.001	0.003	0.003
Citrus County Totals					0.005	Total, mgd	
There were no Institutional or "Other" WUPs in DeSoto County							
There were no Institutional or "Other" WUPs in Hardee County							
There were no Institutional or "Other" WUPs in Hernando County							
Highlands	9144	Highlands County School Board	N484	G (est.)	0.005	0.015	0.015
Highlands	9494	Highlands County School Board	N485	G (est.)	0.003	0.010	0.010
Highlands	10569	Highlands County School Board	N484	G (est.)	0.004	0.013	0.013
Highlands County Totals					0.012	Total, mgd	
Hillsborough	354	Pinellas County Utilities Dept	0508	G (metered)	0	0.325	0.325
Hillsborough	6580	Hillsborough Co BOCC Fire Rescue	N499	G (est.)	0	0.001	0.001
Hillsborough	8066	First United Methodist Church of Lutz, Inc	N484	G (est.)	0.001	0.003	0.003
Hillsborough	8717	Hillsborough Co School Board	N499	G (metered)	0.002	0.023	0.017
Hillsborough	8722	Hillsborough Co School Board	N499	G (est.)	0.008	0.027	0.024
Hillsborough	10977	Florida Dept of Juvenile Justice	N499	G (est.)	0.001	0.005	0.005
Hillsborough	11139	Richard and Karalyn Maestrelli	0508	G (metered)	0	0.134	0.134
Hillsborough	11586	Veterans Administration Hospital	N499	G (est.)	0	0.005	0.004
Hillsborough	20390	Hillsborough County Hospital Authority	N486	G (est.)	0	0.002	0.002
Hillsborough	20574	Southwest Florida Water Management District	0508	G (metered)	0	2.071	2.071
Hillsborough	20802	City of Tampa	0508	S (metered)	0.005	7.100	7.100
Hillsborough County Totals					0.017	Total, mgd	
There were no Institutional or "Other" WUPs in Lake County							
There were no Institutional or "Other" WUPs in Levy County							

2019 ESTIMATED WATER USE REPORT

Table A-13. 2019 Permitted and Withdrawn Quantities for Institutional and "Other" WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
There were no Institutional or "Other" WUPs in Manatee County							
There were no Institutional or "Other" WUPs in Marion County							
Pasco	2296	Saint Leo University, Inc	N499	G (metered)	0.206	0.243	0.243
Pasco	4986	Pasco County School Board (Pasco High School)	N485	G (est.)	0.004	0.013	0.013
Pasco	11127	Tampa Bay Water	0508	G (metered)	0.123	0.498	0.498
Pasco	11129	Tampa Bay Water	0508	G (metered)	0	0.416	0.416
Pasco	13348	Pasco County Public Works	0508	S (metered)	0.061	0.18	0.18
Pasco	20500	Barthle Brothers Ranch, LLC	0508	G (metered)	0	1.54	1.54
Pasco County Totals					0.394	Total, mgd	
Pinellas	13276	Johns Hopkins All Children's Hospital, Inc	N486	G (metered)	0.001	0.019	0.019
Pinellas	20775	Trustees of Mease Hospital, Inc	N486	G (est.)	0	0.006	0.006
Pinellas County Totals					0.001	Total, mgd	
Polk	494	Florida Dept of Corrections	N499	G (metered)	0.136	0.253	0.253
Polk	3821	U.S. Chelonian Breeding & Research Center, Inc	0509	G (est.)	0.005	0.222	0.222
Polk	6004	Bridge Cranes of America, LLC	N499	G (est.)	0	0.001	0.001
Polk	6559	Alcoma Properties Ltd	0510	G (est.)	0	0	0
Polk	6813	FL Fish & Wildlife Conservation Commission	N490	G (est.)	0.001	0.002	0.002
Polk	20753	Vanguard School of Lake Wales	N499	G (est.)	0.012	0.039	0.039
Polk County Total					0.155	Total, mgd	
Sarasota	9483	School Board of Sarasota County	N485	G (est.)	0.016	0.050	0.050
Sarasota	12842	Sarasota County Public Hospital Board	N499	G (est.)	0	0.001	0.001
Sarasota County Totals					0.046	Total, mgd	
There were no Institutional or "Other" WUPs in Sumter County							
District Totals					0.416	Institutional, mgd	
					0.194	"Other," mgd	
					0.610	Total, mgd	

2019 ESTIMATED WATER USE REPORT

Notes:

- 1 Use Code: Alpha-numeric code to identify largest specific use attributed to the permit. The first letter indicates the “predominant use” (N = Institutional, O = “Other”). Each WUP may have multiple use codes, but largest specific use within the category is shown. Descriptions of the use codes are provided below.
- 2 Source = Groundwater (G) or Surface Water (S), The column also specified if withdrawal quantity is based on metered data or estimation.
- 3 The share of Permitted Quantity allocated for the subject Predominant Use. If the value is less than the total permitted quantity, there is another predominant use allocated to the WUP. There may be additional withdrawals by the permittee for the other use on another table

Descriptions for the Institutional and “Other” Use Codes used in WMIS. There are more codes listed, for reference, than appear in Table A-13.

Institutional Use Codes:

N479	Augmentation for Aesthetic	N489	Decorative Water Features	N499	Personal Sanitary Use
N480	Golf Course	N490	Fire Fighting/Testing	N500	Power Plant Boiler Feed/Makeup Water
N481	Aesthetic use, not Augmentation	N491	Food Prep and Associated Water Needs	N501	Power Plant Closed Cycle Steam Cooling
N482	Augmentation for Aesthetic	N492	Fountains	N502	Power Plant Emission Control
N483	Augmentation for Environmental	N493	Maintenance & Cooling	N503	Power Plant Industrial-Other
N484	Lawn & Landscape Irrigation	N494	Non-PP Boiler Makeup-Water	N504	Power Plant Once-Through Steam Cleaning
N485	Sports Playing Fields	N495	Non-PP Non-Consumptive Cooling	N505	Public Drinking Fountains/Restrooms
N486	Air Conditioning/Cooling	N496	Non-PP Boiler Makeup Pollution Control	N506*	Reuse Water Generated on Site
N487	Cleaning and Maintenance	N497	Office/Staff Facilities	N507*	Reuse Water Received from a Utility
N488	Closed Loop Heating and Cooling	N498	Other "Institutional" Uses		

* Specific uses N506 and N507 are excluded from estimated water use query.

“Other” Use Codes:

O508	Augmentation for Environmental	O509	Water for Aquatic Habitats	O510	Other "Other" Uses
------	--------------------------------	------	----------------------------	------	--------------------

2019 ESTIMATED WATER USE REPORT

Table A-14. 2019 Metered + Estimated Institutional and “Other” Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.021	0.005	0.002	0.010	0.004	0.021	0.013	0.003	0.013	0.007	0.001	0.002
Citrus	0.011	0.004	0.002	0.006	0.003	0.011	0.007	0.002	0.007	0.004	0.001	0.002
Desoto	0	0	0	0	0	0	0	0	0	0	0	0
Hardee	0.002	0	0	0.001	0	0.002	0.001	0	0.001	0.001	0	0
Hernando	0	0	0	0	0	0	0	0	0	0	0	0
*Highlands	0.030	0.008	0.003	0.014	0.005	0.030	0.019	0.004	0.019	0.011	0.002	0.003
Hillsborough	0.028	0.007	0.006	0.070	0.009	0.031	0.018	0.003	0.016	0.009	0.002	0.002
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0	0	0	0	0
Manatee	0	0	0	0	0	0	0	0	0	0	0	0
*Marion	0	0	0	0	0	0	0	0	0	0	0	0
Pasco	0.761	0.206	0.255	0.238	0.223	0.951	0.871	0.423	0.103	0.245	0.275	0.181
Pinellas	0.001	0.001	0	0.001	0	0.001	0.001	0	0	0	0	0
*Polk	0.131	0.108	0.173	0.112	0.155	0.218	0.276	0.147	0.166	0.083	0.114	0.175
Sarasota	0.039	0.010	0.004	0.018	0.007	0.039	0.025	0.005	0.025	0.014	0.003	0.004
Sumter	0	0	0	0	0	0	0	0	0	0	0	0
District Total	1.024	0.349	0.445	0.470	0.406	1.304	1.231	0.587	0.350	0.374	0.398	0.369
Groundwater	1.024	0.349	0.444	0.411	0.406	1.303	0.714	0.378	0.351	0.372	0.398	0.369
Surface Water	0	0	0	0.057	0	0	0.517	0.210	0	0.001	0	0

* Data is only from the portion of the county within the District.

Source: Estimated Water Use Tables derived from the WMIS WUP database.

2019 ESTIMATED WATER USE REPORT

APPENDIX B

**2019 METERED + ESTIMATED ANNUAL AVERAGE
GROUNDWATER & SURFACE WATER WITHDRAWALS**

2019 ESTIMATED WATER USE REPORT

Table B-1. 2019 Metered + Estimated Annual Average Withdrawals (mgd) in the District by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (77%)							
*Charlotte	7.059	0.022	0.001	2.467	0.779	0.009	10.337
Citrus	1.614	1.772	0.004	14.350	2.851	0.005	20.596
Desoto	53.962	0.738	0.001	8.495	0.126	0	63.322
Hardee	36.680	1.830	1.263	1.376	0.142	0.001	41.292
Hernando	1.689	4.555	0.012	20.358	3.052	0	29.666
*Highlands	35.496	0.097	0.001	8.540	1.952	0.012	46.098
Hillsborough	37.954	6.633	2.745	72.086	8.555	0.012	127.985
*Lake	0.843	0	0	0	0	0	0.843
*Levy	8.483	0.010	0	0.767	0.133	0	9.393
Manatee	52.872	0.362	3.927	15.492	9.563	0	82.216
*Marion	3.879	0.010	0.019	11.111	2.600	0	17.619
Pasco	5.170	0.488	0.006	58.554	3.004	0.333	67.555
Pinellas	0.002	0.146	0	26.071	2.210	0.001	28.430
*Polk	70.888	29.652	10.408	71.628	9.118	0.155	191.849
Sarasota	2.512	0.110	0	18.400	6.96	0.016	27.998
Sumter	6.791	0.728	0.035	15.092	3.045	0	25.691
GW Subtotals	325.894	47.153	18.422	344.787	54.090	0.544	790.890
% of GW	41%	6%	2%	44%	7%	0%	100%
SURFACE WATER (23%)							
*Charlotte	2.954	0.001	0.137	5.111	1.071	0	9.274
Citrus	0.046	0	0.039	0	0.138	0	0.223
Desoto	0.900	0	0.005	23.899	0	0	24.804
Hardee	0.082	0	0	0	0	0	0.082
Hernando	0.031	0	0.004	0	0	0	0.035
*Highlands	4.454	0	0.008	0.005	0.001	0	4.468
Hillsborough	2.241	2.751	0.015	140.242	0.143	0.005	145.397
*Lake	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0
Manatee	0.253	4.482	0	32.423	0.388	0	37.546
*Marion	0	0	0	0	0	0	0
Pasco	0.051	0.586	0.049	0	0.217	0.061	0.964
Pinellas	0	0	0	0	1.055	0	1.055
*Polk	2.891	0.164	0.049	0	0.216	0	3.320
Sarasota	0.115	0.004	0.003	3.148	1.406	0	4.676
Sumter	0	0.022	0.131	8.591	0	0	8.744
District SW	14.018	8.010	0.440	213.419	4.635	0.066	240.588
% of SW	6%	3%	0%	89%	2%	0%	100%
District Totals	339.912	55.163	18.862	558.206	58.725	0.610	1,031.478
% of Total	33%	5%	2%	54%	6%	0%	100%

* Data is only from the portion of the county within the District.

Totals do not include Domestic Self-Supply (34.839 mgd groundwater) or Seawater Desalination (6.500 mgd).

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2019 PSARs.

2019 ESTIMATED WATER USE REPORT

Table B-2. 2019 Metered + Estimated Average Annual Withdrawal (mgd) in the Southern Water Use Caution Area (SWUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (82%)							
*Charlotte	7.059	0.022	0.001	2.467	0.779	0.009	10.337
Desoto	53.962	0.738	0.001	8.495	0.126	0	63.322
Hardee	36.680	1.830	1.263	1.376	0.142	0.001	41.292
*Highlands	35.496	0.097	0.001	8.540	1.952	0.012	46.098
*Hillsborough	20.217	1.016	2.742	23.231	2.878	0.009	50.093
Manatee	52.872	0.362	3.927	15.492	9.563	0	82.216
*Polk	64.341	29.543	10.123	62.979	7.568	0.013	174.567
Sarasota	2.512	0.110	0	18.400	6.960	0.016	27.998
SWUCA GW Subtotals	273.139	33.718	18.058	140.980	29.968	0.060	495.923
% of GW	55%	6%	4%	28%	6%	0%	100%
SURFACE WATER (18%)							
*Charlotte	2.954	0.001	0.137	5.111	1.071	0	9.274
Desoto	0.900	0	0.005	23.899	0	0	24.804
Hardee	0.082	0	0	0	0	0	0.082
*Highlands	4.454	0	0.008	0.005	0.001	0	4.468
*Hillsborough	0.920	2.730	0.012	19.678	0.043	0	23.383
Manatee	0.253	4.482	0	32.423	0.388	0	37.546
*Polk	2.686	0.164	0.034	0	0.197	0	3.081
Sarasota	0.115	0.004	0.003	3.148	1.406	0	4.676
SWUCA SW Subtotals	12.364	7.381	0.199	84.264	3.106	0	107.314
% of SW	12%	7%	0%	79%	3%	0%	100%
SWUCA Totals	285.503	41.099	18.257	225.244	33.074	0.060	603.237
% of SWUCA	47%	7%	3%	37%	5%	0%	100%
**SWUCA % of Districtwide Totals	84%	75%	97%	40%	56%	10%	58%

Source: Estimated Water Use Tables derived from the WMIS database and 2019 PSARs.

Totals do not include Domestic Self-Supply.

* Data is only from the portion of the county within the SWUCA.

** Districtwide totals, for percentages, are from Table B-1.

2019 ESTIMATED WATER USE REPORT

Table B-3. 2019 Metered + Estimated Average Annual Withdrawal (mgd) in the Most Impacted Area (MIA) of the SWUCA by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional /Other	Total Withdrawal
GROUNDWATER (67%)							
Hillsborough	13.086	0.077	0.027	0.356	2.590	0.001	16.137
Manatee	24.985	0.363	0.026	15.498	9.413	0	50.285
Sarasota	0.852	0.038	0	8.400	1.629	0	10.919
MIA GW Subtotal	38.923	0.478	0.053	24.254	13.632	0.001	77.341
% of GW	50%	1%	0.1%	31%	18%	0.001%	100%
SURFACE WATER (33%)							
Hillsborough	0.178	0.001	0.012	0.001	0.028	0	0.220
Manatee ¹	0.098	4.482	0	32.423	0.388	0	37.391
Sarasota	0.054	0	0	0	0.033	0	0.087
MIA SW Subtotals	0.330	4.483	0.012	32.424	0.449	0	37.698
% of SW	1%	12%	0.1%	86%	1%	0%	100%
MIA Total	39.253	4.961	0.065	56.678	14.081	0.001	115.039
% of MIA	34%	4%	0%	49%	12%	0.001%	100%
* % of SWUCA Total	14%	12%	0.4%	25%	43%	2%	19%
** % of Districtwide Total	12%	9%	0.3%	10%	24%	0.2%	11%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2019 PSARs.

Data is only from the portion of the county that is within the MIA. Totals do not include Domestic Self-Supply.

¹ The Manatee County public supply WUP 13343 permits surface water withdrawals that are within the MIA (Lake Manatee) and groundwater withdrawals from wells located outside of the MIA. The WUP's surface water withdrawals are included above, but the groundwater withdrawals are not. This adjustment was first applied to the 2016 EWU Report, which may result in an apparent increase of surface water from 2015 and earlier when comparing historical data.

* SWUCA Totals, for percentages on the second-to-bottom row, are from Table B-2.

** Districtwide Totals, for percentages on the bottom row, are from Table B-1.

2019 ESTIMATED WATER USE REPORT

Table B-4. 2019 Metered + Estimated Average Annual Withdrawal (mgd) in the Northern Tampa Bay Water Use Caution Area (NTB WUCA), by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (58%)							
*Hillsborough	17.737	5.617	0	48.855	5.677	0.003	77.889
Pasco	5.170	0.488	0.006	58.554	3.004	0.333	67.555
Pinellas	0.002	0.146	0	26.071	2.210	0.001	28.430
NTB WUCA GW Subtotal	22.909	6.251	0.006	133.480	10.891	0.337	173.874
% of GW	13%	4%	0%	77%	6%	0%	100%
SURFACE WATER (42%)							
*Hillsborough	1.321	0.021	0.003	120.564	0.100	0.005	122.014
Pasco	0.051	0.586	0.049	0	0.217	0.061	0.964
Pinellas	0	0	0	0	1.055	0	1.055
NTB WUCA SW Subtotal	1.372	0.607	0.052	120.564	1.372	0.066	124.033
% of SW	1%	0.5%	0%	97%	1%	0.1%	100%
NTB WUCA Total	24.281	6.858	0.058	254.044	12.263	0.403	297.907
% of NTB WUCA	8%	2%	0%	85%	4%	0%	100%
**% of District Total	7%	12%	0.3%	46%	21%	66%	29%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2019 PSARs.

* Data is only from the portion of the county that is within the NTB WUCA.

** Districtwide totals, for percentages, are from Table B-1.

Totals do not include Domestic Self-Supply or Seawater Desalination.

2019 ESTIMATED WATER USE REPORT

Table B-5. 2019 Metered + Estimated Annual Average Withdrawal (mgd) in the Dover/Plant City Water Use Caution Area (DPC WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (96%)							
Hillsborough	19.113	2.388	0	19.152	0.563	0.002	41.218
Polk	0.584	0.085	0	0.084	0.005	0	0.758
DPC WUCA GW Subtotal	19.697	2.473	0	19.236	0.568	0.002	41.976
% of GW	47%	6%	0%	46%	1%	0%	100%
SURFACE WATER (4%)							
Hillsborough	1.513	0.002	0	0.001	0	0	1.516
Polk	0.014	0	0	0	0	0	0.014
DPC WUCA SW Subtotal	1.527	0.002	0	0.001	0	0	1.530
% of SW	100%	0.1%	0%	0.1%	0%	0%	100%
DPC WUCA Total	21.224	2.475	0	19.237	0.568	0.002	43.506
% of DPC WUCA	49%	6%	0%	44%	1%	0.005%	100%
* % of District Total	6%	4%	0%	3%	1%	0.3%	4%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2019 PSARs.

Data is only for the portion of Hillsborough and Polk counties that are in the Dover/Plant City WUCA. Totals do not include Domestic Self-Supply.

The wellfields for WUPs #11400 and #4352 overlap the DPC WUCA boundary, but only withdrawals from wells within the boundary were tallied for this table.

* Districtwide totals, for percentages on the bottom row, are from Table B-1

2019 ESTIMATED WATER USE REPORT

Table B-6. 2019 Metered + Estimated Average Annual Withdrawal (mgd) in the FARMS Upper Myakka Priority Watershed by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (100%)							
Hardee	0.333	0	0	0	0	0	0.333
Manatee	17.397	0.008	1.205	0.002	0.013	0	18.625
Sarasota	1.552	0	0	2.539	0	0	4.091
GW Subtotal	19.282	0.008	1.205	2.541	0.013	0	23.049
% of GW	84%	0%	5%	11%	0%	0%	100%
SURFACE WATER (<1%)							
Hardee	0	0	0	0	0	0	0
Manatee	0.002	0	0	0	0	0	0.002
Sarasota	0.048	0	0.002	0	0	0	0.050
SW Subtotals	0.050	0	0.002	0	0	0	0.052
% of SW Subtotals	96%	0%	4%	0%	0%	0%	100%
GW+SW Total	19.332	0.008	1.207	2.541	0.013	0	23.101
% of Total	84%	0%	5%	11%	0.1%	0%	100%

Source: Estimated Water Use Tables derived from the WMIS WUP database.

The withdrawal criteria for priority watersheds is different from other tables: This table includes withdrawals by WUPs that have a controlled irrigation area within the watershed, instead of a well located within the watershed. One exception is the multi-county Mosaic WUP #11400 which had just two active wells within the watershed that are included in the Manatee M/D category; the withdrawals from those two wells is included.

2019 ESTIMATED WATER USE REPORT

Table B-7. 2019 Metered + Estimated Annual Average Withdrawal (mgd) in the FARMS Shell Creek Priority Watershed by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (46%)							
Charlotte	5.921	0	0	0.011	0.287	0	6.219
DeSoto	1.087	0	0	0	0	0	1.087
GW Subtotals	7.008	0	0	0.011	0.287	0	7.306
% of GW Subtotals	96%	0%	0%	0%	4%	0%	100%
SURFACE WATER (54%)							
Charlotte	2.845	0	0.091	5.111	0.005	0	8.052
DeSoto	0.473	0	0	0	0	0	0.473
SW Subtotals	3.318	0	0.091	5.111	0.005	0	8.525
% of SW Subtotals	39%	0%	1%	60%	0%	0%	100%
GW+SW Subtotals	10.326	0	0.091	5.122	0.292	0	15.831
% Totals	65%	0%	1%	32%	2%	0%	100%

Source: Estimated Water Use Tables derived from the WMIS WUP database.

The withdrawal criteria for priority watersheds is different from other tables: The table includes withdrawals by WUPs that have controlled area within the watershed, instead of a well located within the watershed.

2019 ESTIMATED WATER USE REPORT

APPENDIX C

2019 PERMITTED

GROUNDWATER & SURFACE WATER

ANNUAL AVERAGE QUANTITIES

2019 ESTIMATED WATER USE REPORT

Table C-1. 2019 Total Permitted Average Annual Quantities (mgd) in the District by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (78%)							
*Charlotte	22.286	0.082	0.036	9.536	2.048	0.027	34.015
Citrus	3.100	6.470	0.082	18.267	4.245	0.015	32.179
DeSoto	104.984	1.371	0.001	1.343	1.119	0	108.818
Hardee	73.679	4.697	6.392	2.458	0.211	0.002	87.439
Hernando	3.511	8.221	0.280	25.869	5.763	0	43.644
*Highlands	53.087	0.370	0.003	11.375	2.756	0.039	67.630
Hillsborough	94.889	15.956	0.140	138.212	18.136	2.585	269.918
*Lake	1.631	0	0	0	0	0	1.631
*Levy	22.507	1.606	0.001	1.077	0.264	0	25.455
Manatee	150.981	0.850	0.070	22.162	16.413	0	190.476
*Marion	13.889	0.025	0.086	12.406	4.802	0	31.208
Pasco	16.972	5.560	0.050	20.790	8.208	2.710	54.290
Pinellas	0.157	0.361	0	27.472	4.548	0.025	32.563
*Polk	113.089	76.177	45.366	116.147	13.023	0.517	364.319
Sarasota	18.220	0.233	0	45.762	12.090	0.051	76.356
Sumter	16.508	3.107	0.162	29.327	8.569	0	57.673
GW Subtotal	709.490	125.086	52.669	482.203	102.195	5.971	1,477.614
% of GW	48%	8%	4%	33%	7%	0.4%	100%
SURFACE WATER (22%)							
*Charlotte	4.884	0.002	0.546	4.046	2.444	0	11.922
Citrus	0.060	0.001	0.086	0	0.516	0	0.663
DeSoto	5.420	0	0.028	79.768	0	0	85.216
Hardee	3.019	0	0	0	0	0	3.019
Hernando	0.054	0	0.026	0	0.498	0	0.578
*Highlands	5.037	0.001	0.026	0.018	0.002	0	5.084
Hillsborough	7.623	6.088	0.267	205.707	2.533	7.100	229.318
*Lake	0.078	0	0	0	0	0	0.078
*Levy	0	0.037	0.122	0	0	0	0.159
Manatee	4.815	8.528	0.170	41.630	8.461	0	63.604
*Marion	0	0	0.040	0	0.249	0	0.289
Pasco	0.143	0.189	0.195	0	0.433	0.180	1.140
Pinellas	0.042	0	0	0	1.755	0	1.797
*Polk	5.222	1.436	0.729	0.001	0.502	0	7.890
Sarasota	0.233	0.029	0.010	7.045	2.042	0	9.359
Sumter	0.037	0.059	0.465	0	0	0	0.561
SW Subtotal	36.667	16.37	2.710	338.215	19.435	7.280	420.677
% of SW	9%	4%	1%	80%	5%	2%	100%
District Total	746.157	141.456	55.379	820.418	121.630	13.251	1,898.291
% of District Total	39%	7%	3%	43%	6%	1%	100%

Source: Estimated Water Use Tables derived from the WMIS WUP database.

* Data is only for the portion of the county within the District.

2019 ESTIMATED WATER USE REPORT

Table C-2. 2019 Total Permitted Average Annual Quantities (mgd) in the Southern Water Use Caution Area (SWUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (82%)							
*Charlotte	22.286	0.082	0.036	9.536	2.048	0.027	34.015
DeSoto	104.984	1.371	0.001	1.343	1.119	0	108.818
Hardee	73.679	4.697	6.392	2.458	0.211	0.002	87.439
*Highlands	53.087	0.370	0.003	11.375	2.756	0.039	67.630
*Hillsborough	55.092	4.809	0.131	24.608	6.610	0.029	91.279
Manatee	150.981	0.850	0.070	22.162	16.413	0	190.476
*Polk	99.119	75.142	44.607	102.066	10.676	0.042	331.652
Sarasota	18.220	0.233	0	45.762	12.090	0.051	76.356
GW Subtotal	577.448	87.554	51.240	219.310	51.923	0.190	987.665
% SWUCA GW	58%	9%	5%	22%	5%	0%	100%
SURFACE WATER (18%)							
*Charlotte	4.884	0.002	0.546	4.046	2.444	0	11.922
DeSoto	5.420	0	0.028	79.768	0	0	85.216
Hardee	3.019	0	0	0	0	0	3.019
*Highlands	5.037	0.001	0.026	0.018	0.002	0	5.084
*Hillsborough	4.501	5.970	0.254	18.705	0.627	0	30.057
Manatee	4.815	8.528	0.170	41.630	8.461	0	63.604
*Polk	4.618	1.436	0.312	0.001	0.475	0	6.842
Sarasota	0.233	0.029	0.010	7.045	2.042	0	9.359
SW Subtotal	32.527	15.966	1.346	151.213	14.051	0	215.103
% SWUCA SW	15%	7%	1%	70%	7%	0%	100%
SWUCA Total	609.975	103.52	52.586	370.523	65.974	0.190	1,202.768
% of SWUCA	51%	9%	4%	31%	5%	0%	100%
**SWUCA % of Districtwide Total	82%	73%	95%	45%	54%	1%	63%

Source: Estimated Water Use Tables derived from the WMIS WUP database.

* Data is only for the portion of the county within the SWUCA.

** Districtwide Totals, for percentages, are from Table C-1.

2019 ESTIMATED WATER USE REPORT

Table C-3. 2019 Total Permitted Average Annual Quantities (mgd) in the Most Impacted Area of the SWUCA by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (72%)							
Hillsborough	37.875	0.503	0.131	0.477	5.572	0.005	44.563
Manatee	73.735	0.724	0.067	3.966	15.741	0	94.233
Sarasota	3.723	0.101	0	19.995	2.503	0.001	26.323
GW Subtotal	115.333	1.328	0.198	24.438	23.816	0.006	165.119
% of GW	70%	1%	0%	15%	14%	0%	100%
SURFACE WATER (28%)							
Hillsborough	1.508	0.003	0.218	0.002	0.601	0	2.332
Manatee	2.133	8.519	0.002	41.850	8.444	0	60.948
Sarasota	0.071	0	0	0	0.077	0	0.148
SW Subtotal	3.712	8.522	0.220	41.852	9.122	0	63.428
% of SW	6%	13%	0%	66%	14%	0%	100%
MIA Total	119.045	9.850	0.418	66.290	32.938	0.006	228.547
% of MIA Total	52%	4%	0.2%	29%	14%	0%	100%
*MIA % of SWUCA Total	20%	10%	1%	18%	50%	3%	19%
*MIA % of Districtwide Total	16%	7%	1%	8%	27%	0%	12%

Source: Estimated Water Use Tables derived from the WMIS WUP database.

Data is only for the portion of counties that are within the MIA.

*SWUCA and Districtwide Totals, for percentages, are from Tables C-1 and C-2, respectively.

2019 ESTIMATED WATER USE REPORT

Table C-4. 2019 Total Permitted Average Annual Quantities (mgd) in the Northern Tampa Bay Water Use Caution Area (NTB WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (57%)							
*Hillsborough	39.797	11.147	0.009	113.604	11.526	2.556	178.639
Pasco	16.972	5.56	0.050	20.790	8.208	2.710	54.290
Pinellas	0.157	0.361	0	27.472	4.548	0.025	32.563
NTB WUCA GW Subtotal	56.926	17.068	0.059	161.866	24.282	5.291	265.492
% of GW	21%	6%	0.02%	61%	9%	2%	100%
SURFACE WATER (43%)							
*Hillsborough	3.122	0.118	0.013	187.002	1.906	7.100	199.261
Pasco	0.143	0.189	0.195	0	0.433	0.180	1.140
Pinellas	0.042	0	0	0	1.755	0	1.797
NTB WUCA SW Subtotal	3.307	0.307	0.208	187.002	4.094	7.280	202.198
% of SW	2%	0.2%	0.1%	92%	2%	4%	100%
NTB WUCA Total	60.233	17.375	0.267	348.868	28.376	12.571	467.690
% of NTB WUCA	13%	4%	0.1%	75%	6%	3%	100%
**NTB WUCA % of Districtwide Total	8%	12%	0.5%	43%	23%	95%	25%

Source: Estimated Water Use Tables derived from the WMIS WUP database.

* Data is only for the portion of the county that is within the NTB WUCA.

** Districtwide Totals, for percentages, are from Table C-1.

2019 ESTIMATED WATER USE REPORT

Table C-5. 2019 Total Permitted Annual Average Quantities (mgd) in the Dover/Plant City Water Use Caution Area (DPC WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (96%)							
Hillsborough¹	43.570	3.939	0	40.580	0.743	0.018	88.850
Polk²	0.763	1.419	0.001	7.088	0.014	0	9.2854
GW Subtotal	44.333	5.358	0.001	47.668	0.757	0.018	98.135
% of GW	45%	5%	0%	49%	1%	0.0%	100%
SURFACE WATER (4%)							
Hillsborough	3.669	0.005	0.036	0.003	0	0	3.713
Polk	0	0.074	0.127	0	0	0	0.201
SW Subtotal	3.669	0.079	0.163	0.003	0	0	3.914
% of SW	94%	2%	4%	0.1%	0%	0%	100%
DPC WUCA Total	48.002	5.437	0.164	47.671	0.757	0.018	102.049
% of DPC WUCA Total	47%	5%	0.2%	47%	0.7%	0%	100%
*DPC WUCA % of Districtwide Total	6%	4%	0.3%	6%	0.6%	0.1%	5%

Source: Estimated Water Use Tables derived from the WMIS WUP database.

Data is only for the portion of the county that is within the MIA.

* Districtwide Totals, for percentages on the bottom row, are from Table C-1.

¹ WUP #4352 is a Public Supply WUP in Hillsborough County for a wellfield that partially overlaps the DPC WUCA boundary. The total permitted allocation of 24.1 mgd is included in the table.

² The Mosaic Integrated WUP had two active wells within the DPCWUCA boundary, to which proxy permitted quantities of 1.242 mgd were allocated for Industrial use.

2019 ESTIMATED WATER USE REPORT

Table C-6. 2019 Total Permitted Freeze Protection Quantities (mgd) for Agricultural Use in the DPC WUCA

County/Use	Aqua-culture	Blue-berries	Citrus	Nursery, Container	Nursery, Field	Other Fruit Trees	Straw - berry	Total Permitted
GROUNDWATER (80%)								
Hillsborough	2.839	23.323	85.039	59.897	1.711	2.540	731.438	906.787
Polk	0	0.813	0.979	0	0	0	1.234	3.026
Max Day GW Quantities	2.839	24.136	86.018	59.897	1.711	2.540	732.672	909.813
% of GW	0.3%	3%	9%	7%	0.2%	0.3%	81%	100%
SURFACE WATER (20%)								
Hillsborough	0	0.314	8.940	2.358	0	0	213.680	225.292
Polk	0	0	0	0	0	0	1.859	1.859
Max Day SW Quantities	0	0.314	8.940	2.358	0	0	215.539	227.151
% of SW	0%	0.1%	4%	1%	0%	0%	95%	100%
Total Max Day Quantities	2.839	24.450	94.958	62.255	1.711	2.540	948.211	1,136.964
% of Total Max Day Quantity	0.2%	2%	8%	5%	0.2%	0.2%	83%	100%

Table C-7. 2019 Total Number of Agricultural Water Use Permits with Freeze Protection Quantities in the DPC WUCA for Agricultural Use

County/Use	Aqua-culture	Blue-berries	Citrus	Nursery, Container	Nursery, Field	Other Fruit Trees	Straw - berry	Total WUPs
Hillsborough	4	20	58	28	2	3	252	367
Polk	0	1	1	0	0	0	2	4
Total	4	21	59	28	2	3	254	371

Source for both tables: Estimated Water Use Tables derived from the WMIS WUP database. Data is only for the portion of the county within the DPC WUCA.

2019 ESTIMATED WATER USE REPORT

This page is intentionally blank.

APPENDIX D

2010 - 2019

HISTORIC PUBLIC SUPPLY PER CAPITA RATES

FROM THE

PUBLIC SUPPLY ANNUAL REPORTS

2019 ESTIMATED WATER USE REPORT

Table D-1. Ten-Year Historic Public Supply Unadjusted Gross Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year									
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Charlotte	718	Gasparilla Island Water Association	6,143	169	182	194	185	187	181	182	182	189	176
Charlotte	871	City of Punta Gorda	39,177	118	115	121	114	120	126	128	134	132	127
Charlotte	1512	Charlotte Harbor Water Association	4,559	79	80	71	79	94	92	106	82	76	74
Charlotte	3522	Charlotte County Burnt Store	7,186	60	65	57	60	58	64	59	63	61	60
Charlotte	7104	Charlotte County	134,412	76	75	77	80	81	79	79	81	74	73
Charlotte	7768	Island Harbor / Knight Island	NA	82	154	93	100	123	.	.	.	.	.
Citrus	207	City of Crystal River	5,781	108	127	135	120	137	137	148	127	135	124
Citrus	419	City of Inverness	10,491	124	47	119	118	108	109	104	106	109	95
Citrus	1118	Floral City Water Association	5,085	62	55	62	62	56	58	66	64	64	69
Citrus	2842	Citrus County WRD	18,762	158	149	136	130	124	133	142	144	131	131
Citrus	4153	Rolling Oaks Utilities, Inc.	11,510	140	153	136	136	122	119	134	132	132	137
Citrus	4406	Homosassa Special Water District	5,778	127	145	131	131	120	127	130	133	133	140
Citrus	6691	Gulf Highway Land Corporation	579	368	185	116	120	102	106	112	110	93	96
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	25,232	180	158	142	138	143	145	168	167	161	167
Citrus	7879	Fla Gov't Utility / Oak Forest	NA	69	86	.	.	.	.	.	.	.	.
Citrus	9791	Citrus County WRD / Sugarmill Woods	12,434	182	221	192	197	186	192	212	199	166	158
Citrus	11839	Walden Woods Ltd	1,021	362	147	117	161	141	134	144	137	141	152
Citrus	20230	Ozello Water Association Inc	4,764	.	117	93	84	82	81	79	82	68	80
DeSoto	4725	City of Arcadia	10,844	84	98	70	70	82	82	84	85	82	97
DeSoto	20457	DeSoto County Utilities	5,392	.	.	.	.	74	94	125	148	82	74
Hardee	30	City of Bowling Green	4,355	56	52	76	95	48	45	41	41	54	45
Hardee	4461	City of Wauchula	6,378	105	65	98	97	101	98	101	106	101	99
Hardee	7658	Town of Zolfo Springs	2,499	67	59	63	51	51	50	59	66	65	52
Hardee	13026	Hardee County BOCC	2,898	56	75	39	51	41	41	44	47	44	45
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	131	141	130	104	98	.	.	.	.	.
Hernando	2983	Hernando Co Utilities Dept / West	NA	140	145	133	125	122	.	.	.	.	.
Hernando	5789	Hernando Co Utilities Dept (Consolidated)	146,374	121	127	111	96	89	119	127	126	123	126
Hernando	7627	City of Brooksville	19,876	98	84	72	68	69	75	82	81	76	75
Hernando	12011	Hernando Co Utilities Dept	NA	140	160	143	116	153	.	.	.	.	.
Highlands	4167	Aqua Utilities, Lake Josephine	1,407	10	90	131	100	106	121	115	84	95	81

2019 ESTIMATED WATER USE REPORT

Table D-1. Ten-Year Historic Public Supply Unadjusted Gross Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year									
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Highlands	4492	City of Sebring	36,857	105	99	100	96	97	92	99	112	110	112
Highlands	4980	Lake Placid Holding Company	4,460	74	66	57	62	67	68	65	73	63	66
Highlands	5270	Town of Lake Placid	7,315	130	140	96	97	82	83	82	84	81	90
Highlands	6029	City of Avon Park	22,457	108	89	92	106	80	80	83	84	83	94
Highlands	6326	Town of Lake Placid	NA	75	68	62	64	.	.	.	.	.	.
Highlands	7139	Buttonwood Bay Utilities	1,664	94	108	110	91	92	87	85	109	104	135
Highlands	7704	Country Club Utilities, Inc.	NA	277	285	276	228	248	200	.	.	.	.
Highlands	9490	LP Utilities Inc	NA	74	67	98	83	70	68	56	.	.	.
Highlands	11609	Town of Lake Placid	NA	73	52	57	71	.	.	.	.	.	.
Highlands	13099	Sun N Lake of Sebring	7,542	86	79	81	83	86	85	83	83	81	85
Highlands	13367	Silver Lakes Utilities	NA	108	115	.	.	.	.	.	.	.	.
Hillsborough	450	City of Temple Terrace	31,738	99	108	107	101	102	103	99	115	114	115
Hillsborough	1776	City of Plant City	40,248	128	128	130	126	133	135	142	149	148	149
Hillsborough	2062	City of Tampa	716,564	106	110	116	109	110	109	112	119	111	99
Hillsborough	2285	Davpam MHP	1,252	100	101	111	90	91	97	104	116	109	113
Hillsborough	2707	Pluris Eastlake LLC	NA	68	42	37	30	36	.	.	.	.	.
Hillsborough	4757	Wilder Corporation / Hawaiian Isles	NA	60	15	.	.	.	.	.	.	.	.
Hillsborough	6879	The Meadows at Countrywood MHC	2,416	104	99	109	99	101	89	98	111	105	80
Hillsborough	7002	Hometown America / Featherock MHP	NA	.	102	.	.	.	.	.	.	.	.
Hillsborough	7637	Riverside Golf Course Com LLC	1,264	669	212	150	260	195	544	374	441	491	378
Hillsborough	7790	Paradise Village MHC	1,481	87	48	46	57	33	57	46	48	56	61
Hillsborough	10443	Windemere Utility Company	2,755	93	114	95	91	85	82	89	91	85	91
Hillsborough	12994	Pluris PCU INC	NA	.	122	116	103	92	.	.	.	.	.
Hillsborough	20141	Hillsborough County NW	652,107	92	95	94	93	94	96	96	100	98	102
Levy	5640	City of Williston	3,275	140	149	149	134	134	137	146	134	189	141
Levy	7755	Town of Yankeetown	NA	44	59	78	63	64	80	85	.	.	.
Levy	8953	Town of Inglis	1,659	87	100	76	84	73	72	69	58	56	60
Manatee	5387	Manatee County / Lake Manatee	NA	89	73	.	.	.	.	.	.	.	.
Manatee	6392	City of Bradenton	70,311	97	84	82	82	88	84	88	88	84	87
Manatee	10963	Town of Longboat Key	18,778	98	99	86	85	90	90	91	89	92	101

2019 ESTIMATED WATER USE REPORT

Table D-1. Ten-Year Historic Public Supply Unadjusted Gross Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year									
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Manatee	12443	City of Palmetto	18,471	73	74	72	80	79	78	73	81	83	79
Manatee	13343, 7345	Manatee County Utilities	368,670	73	74	91	92	91	89	92	91	87	89
Marion	377	Marion Co Utilities / S Glen & Marion Oaks	NA	132	89	.	.	.	.	.	.	.	.
Marion	1156	Bay Laurel CDD	13,884	214	309	226	218	185	222	236	248	233	241
Marion	2999	Marion Utilities Inc	1,125	120	88	92	83	81	90	94	91	86	79
Marion	4257	Rainbow Springs Utilities LC	NA	290	129	.	.	.	.	.	.	.	.
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,000	126	172	158	144	136	137	160	153	136	148
Marion	6151	Marion County Utilities	40,147	177	160	136	139	116	127	139	137	130	127
Marion	6792	Sun Communities	NA	142	150	162	150	124	132	140	160	128	.
Marion	7849	Marion Utilities Inc	1,075	159	125	188	106	95	108	123	117	109	111
Marion	8005	Century Fairfield Village LTD	NA	116	89	122	119	117	118	118	141	118	.
Marion	8020	Marion Landings Homeowners Association	1,127	133	167	155	136	116	127	137	131	113	114
Marion	8165	Marion Co Utilities /Quail Meadow	NA	133	84	.	.	.	.	.	.	.	.
Marion	8339	City of Dunnellon	6,355	53	163	121	121	120	115	147	144	154	157
Marion	8481	Marion Utilities Inc / Spruce Creek	6,600	110	117	108	88	93	103	106	105	102	104
Marion	9360	Windstream Utilities Company	NA	233	263	238	238	230	.	.	.	.	.
Marion	11752	Marion County Utilities / Golden Ocala	NA	434	479	.	.	.	.	.	.	.	.
Marion	12218	Marion County Utilities / Spruce Creek	NA	219	.	.	.	.	.	.	.	.	.
Pasco	279	Florida Gov Utility Authority	3,553	87	75	61	80	81	55	56	58	57	71
Pasco	540	Holiday Gardens Utilities Inc	NA	86	67	59	61	78	.	.	.	.	.
Pasco	543	Crestridge Utility Corp	NA	73	58	52	44	51	.	.	.	.	.
Pasco	590	Florida Gov Utility Authority	9,060	113	117	104	110	101	99	104	116	109	100
Pasco	964	C S Water Company Inc	939	98	87	87	72	72	79	84	83	85	84
Pasco	1631	City of Dade City	12,611	123	116	106	106	119	106	109	110	105	107
Pasco	2043	Orangewood Lakes Mobile Home	NA	28	46	63	66	72	79	74	.	54	.
Pasco	2978	Florida Gov Utility Authority	5,410	112	108	110	116	101	95	105	122	114	123
Pasco	3182	Florida Gov Utility Authority	30,872	113	95	98	79	83	80	84	85	79	79
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	3,758	44	59	64	53	52	57	58	59	56	55
Pasco	3668	Utilities Inc of Florida / Summertree	NA	69	53	64	99	109	62	49	.	.	.
Pasco	3677	Florida Gov Utility Authority	NA	67	55	53	54	47	59	55	54	52	.

2019 ESTIMATED WATER USE REPORT

Table D-1. Ten-Year Historic Public Supply Unadjusted Gross Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year									
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Pasco	3692	City of Port Richey	7,739	88	53	46	56	45	43	49	87	92	87
Pasco	4550	City of San Antonio	2,421	101	124	87	90	90	92	61	60	58	55
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	71	49	58	.	.	.	.	.	.	.
Pasco	4669	Hudson Water Works Inc	7,047	99	92	83	87	82	90	79	97	87	89
Pasco	4734	City of New Port Richey	35,476	88	89	86	82	90	95	96	97	93	95
Pasco	6040	City of Zephyrhills	27,824	119	112	109	109	88	74	84	88	84	82
Pasco	6867	Labrador Utilities Inc	NA	40	40	.	.	.	.	.	.	.	.
Pasco	7299	L W V Utilities Inc	NA	156	85	64	.	.	.	.	.	.	.
Pasco	7999	Florida Gov Utility Authority	2,007	64	64	62	60	56	60	55	60	64	68
Pasco	8417	Florida Gov Utility Authority	7,959	60	49	53	57	52	54	54	54	50	49
Pasco	8491	Parrish Properties V LLC	NA	64	23	.	.	.	.	.	.	.	.
Pasco	11863	Pasco County Utilities	297,290	121	129	126	124	111	90	107	113	104	107
Pinellas	742	City of Tarpon Springs	28,875	112	72	71	96	93	94	90	86	91	86
Pinellas	2980	City of Dunedin	45,754	81	83	99	78	79	77	80	79	76	75
Pinellas	2981	City of Clearwater	145,889	92	87	75	78	80	76	75	75	76	73
Pinellas	7692	City of Belleair	5,977	171	121	175	128	131	129	140	144	138	133
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	28	61	54	54	51	32	.	.	.	.
Pinellas	10795	City of Gulfport	14,817	64	68	67	67	65	79	67	67	63	61
Pinellas	11218	City of Oldsmar	17,397	91	89	88	72	74	59	74	81	80	83
Pinellas	11245	City of Safety Harbor	15,183	92	88	80	91	85	93	97	98	95	86
Pinellas	12351	City of Pinellas Park	69,665	64	57	56	50	50	55	50	51	51	68
Pinellas	20142	Pinellas County	506,300	82	81	83	77	70	82	76	77	73	74
Pinellas	20143	City of St. Petersburg	351,801	79	96	100	79	77	79	78	80	78	74
Polk	143	Mountain Lake Corp	NA	464	.	.	.	.	.	.	.	.	.
Polk	341	City of Bartow	25,751	84	109	111	101	97	99	103	109	106	113
Polk	645	City of Fort Meade	5,720	101	96	91	94	87	89	102	99	95	100
Polk	1616	Lake Region Mobile Home Owners	NA	83	143	85	82	70	74	.	.	.	.
Polk	1625	Four Lakes Golf Club Ltd	1,448	199	280	277	256	229	206	263	279	206	288
Polk	2332	Town of Lake Hamilton	1,997	123	128	144	153	132	194	154	134	135	150
Polk	3415	Orchid Springs Development Corp	1,005	59	78	77	78	80	72	69	69	62	67

2019 ESTIMATED WATER USE REPORT

Table D-1. Ten-Year Historic Public Supply Unadjusted Gross Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year									
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Polk	4005	Crooked Lake Park Water Co	2,598	89	90	37	90	89	83	84	84	85	86
Polk	4607	City of Winter Haven	84,440	127	126	138	113	118	113	114	117	115	116
Polk	4658	City of Lake Wales	22,414	128	122	119	115	115	113	113	114	116	116
Polk	4912	City of Lakeland	183,547	121	127	123	117	118	117	118	118	114	117
Polk	5251	Grenelefe Resort LLC	2,712	647	529	321	356	361	374	666	456	360	402
Polk	5750	City of Davenport	10,276	47	91	108	119	94	130	118	113	137	142
Polk	5868	Rainbow Resort	989	.	.	.	.	.	.	.	.	128	126
Polk	5870	City of Frostproof	3,616	88	110	79	95	110	113	119	124	125	98
Polk	5893	Town of Dundee	6,029	116	59	104	78	95	139	102	105	108	108
Polk	6124	City of Mulberry	4,769	89	94	87	91	98	79	83	80	84	82
Polk	6174	Saddlebag Lake Owners Assn	1,332	69	62	79	67	77	64	65	68	66	60
Polk	6505	Polk Co. / Northwest Regional Serv. Area	32,710	107	97	89	79	80	77	79	84	80	85
Polk	6506	Polk Co. / Southwest Regional Serv. Area	43,965	99	86	79	75	78	77	76	79	73	74
Polk	6507	Polk Co. / Central Regional Serv. Area	14,660	76	69	70	63	64	72	72	70	68	74
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,357	116	103	125	93	105	108	122	109	108	120
Polk	6509	Polk Co. / Northeast Regional Serv. Area	85,100	134	132	103	93	99	104	96	93	100	93
Polk	6624	City of Lake Alfred	8,460	147	144	175	129	124	131	130	127	116	113
Polk	6920	City of Eagle Lake	4,106	108	112	111	105	97	90	96	114	84	81
Polk	7119	City of Auburndale	30,458	184	171	187	158	159	165	165	173	150	181
Polk	7187	CHC VII Century Realty Fund / Lake Henry	1,482	208	228	255	273	143	137	161	140	175	175
Polk	7328	Carefree RV Country Club of Winter Haven	979	.	123	136	94	80	105	106	111	126	110
Polk	7703	Orange Ranch Acres Ranch	NA	122	.	.	.	.	.	.	.	.	.
Polk	7878	Florida Gov Utility Authority	2,253	100	76	66	64	65	67	65	66	62	60
Polk	8054	Polk Co. / East Regional Serv. Area	6,627	77	86	77	73	66	67	66	68	70	70
Polk	8344	S V Utilities LTD	1,379	139	141	140	135	119	75	103	106	101	105
Polk	8468	Town of Polk City	7,450	51	57	56	61	54	56	55	51	50	46
Polk	8522	City of Haines City	37,417	122	114	122	137	144	138	140	147	129	130
Polk	8753	Plantation Landings Ltd	NA	98	91	108	78	80	67	.	.	82	.
Polk	8967	Sweetwater Community Inc	698	150	192	180	176	190	198	172	173	154	173
Polk	12800	Polk County Utilities Jordan's Grove	1,040	.	.	.	.	.	.	.	134	303	238

2019 ESTIMATED WATER USE REPORT

Table D-1. Ten-Year Historic Public Supply Unadjusted Gross Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year									
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
Polk	13043	Cypress Lakes Utilities, Inc	2,990	46	43	51	80	82	62	62	64	59	75
Sarasota	2923	City of Northport	56,756	58	69	759	68	62	61	60	64	58	59
Sarasota	4318	City of Sarasota / Verna Wellfield	84,549	88	79	93	78	82	79	78	78	78	74
Sarasota	4866	Englewood Water District	37,540	51	77	66	65	72	61	66	71	75	76
Sarasota	5393	City of Venice	36,589	58	66	55	55	62	78	63	64	59	65
Sarasota	5807	Camelot Lakes Communities MHP	1,829	65	133	132	139	162	167	187	161	177	196
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	58	29	82	74	83	.	61	66	41	98
Sarasota	8836	Sarasota Co. / Univ. Parkway	241,131	77	79	80	75	76	79	81	81	81	80
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,053	66	65	63	64	64	58	64	68	64	66
Sumter	2622	Continental Country Club	NA	226	257	254	93	193	200	.	.	.	.
Sumter	6519	City of Bushnell	3,869	95	138	152	146	142	145	164	125	125	121
Sumter	7185	City of Webster	856	125	84	89	89	143	56	62	72	88	99
Sumter	7799	Cedar Acres, Inc	NA	.	8	.	.	.	.	.	.	.	.
Sumter	8135	City of Wildwood	20,012	130	134	137	133	106	112	104	104	98	118
Sumter	8193	City of Center Hill	1,170	.	.	45	52	59	73	64	71	56	56
Sumter	13005	The Villages of Marion & Sumter	89,679	236	184	278	281	247	264	298	247	94	227
Sumter	13123	Florida Grande Motor Coach Resort	NA	90	.	.	.	.	.	.	.	.	.
Sumter	20597	City of Wildwood - Continental Country Club	1,598	.	.	.	.	.	.	57	75	95	81
Sumter	20721	South Sumter Utility Company	1,835	.	.	.	.	.	.	.	.	.	101

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for specific year. This may occur if permit was issued less than ten years ago, or the permit no longer exists, or the PSAR was no longer required. Acronym "NA" (Not Applicable) is shown for Service Area Population where the value was not calculated because the permit was not active in 2019.

2019 ESTIMATED WATER USE REPORT

Table D-2. Ten-Year Historic Public Supply Compliance Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year										Five Year Ave.
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Charlotte	718	Gasparilla Island Water Association	6,143	141	150	163	160	158	159	162	160	167	146	159
Charlotte	871	City of Punta Gorda	39,177	118	115	121	114	120	126	128	134	132	127	129
Charlotte	1512	Charlotte Harbor Water Association	4,559	79	80	71	79	94	92	106	82	76	74	86
Charlotte	3522	Charlotte County Burnt Store	7,186	60	65	57	60	58	64	59	63	61	60	61
Charlotte	7104	Charlotte County	134,412	76	75	77	80	81	79	79	81	74	73	77
Charlotte	7768	Island Harbor / Knight Island	NA	81	154	93	100	123	.	.	.	.	.	NA
Citrus	207	City of Crystal River	5,781	109	127	135	120	137	137	148	127	80	124	123
Citrus	419	City of Inverness	10,491	110	119	105	118	108	109	104	106	109	95	105
Citrus	1118	Floral City Water Association	5,085	62	55	62	62	56	58	66	64	64	69	64
Citrus	2842	Citrus County WRD	18,762	154	154	136	130	124	133	142	144	131	131	136
Citrus	4153	Rolling Oaks Utilities, Inc.	11,510	141	153	136	136	122	119	134	132	132	137	131
Citrus	4406	Homosassa Special Water District	5,778	127	145	131	131	120	127	130	133	133	140	133
Citrus	6691	Gulf Highway Land Corporation	579	368	184	116	120	102	106	112	110	93	96	103
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	25,232	143	157	142	138	136	145	162	155	149	147	152
Citrus	7879	Fla Gov't Utility / Oak Forest	NA	69	86	.	.	.	.	.	.	.	.	NA
Citrus	9791	Citrus County WRD / Sugarmill Woods	12,434	181	202	192	197	186	192	212	199	166	158	185
Citrus	11839	Walden Woods Ltd	1,021	362	157	117	161	141	134	144	137	141	152	142
Citrus	20230	Ozello Water Association Inc	4,764	.	117	93	84	82	81	79	82	68	80	78
DeSoto	4725	City of Arcadia	10,844	84	96	70	70	82	82	84	85	82	97	86
DeSoto	20457	DeSoto County Utilities	5,392	.	.	.	.	74	94	125	148	82	74	105
Hardee	30	City of Bowling Green	4,355	48	52	76	95	48	45	41	41	54	45	45
Hardee	4461	City of Wauchula	6,378	113	111	98	97	101	98	101	106	101	99	101
Hardee	7658	Town of Zolfo Springs	2,499	56	59	63	51	51	50	59	66	65	52	58
Hardee	13026	Hardee County BOCC	2,898	56	77	39	51	41	41	44	47	44	45	44
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	139	141	130	104	98	.	.	.	.	.	NA
Hernando	2983	Hernando Co Utilities Dept / West	NA	140	145	133	125	122	.	.	.	.	.	NA
Hernando	5789	Hernando Co Utilities Dept Consolidated	146,374	122	127	111	96	89	119	127	126	123	126	124
Hernando	7627	City of Brooksville	19,876	65	58	43	39	41	51	82	81	76	75	73
Hernando	12011	Hernando Co Utilities Dept	NA	140	152	143	116	153	.	.	.	.	.	NA

2019 ESTIMATED WATER USE REPORT

Table D-2. Ten-Year Historic Public Supply Compliance Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year										Five Year Ave.
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Highlands	4167	Aqua Utilities, Lake Josephine	1,407	10	90	131	100	106	121	115	84	95	81	99
Highlands	4492	City of Sebring	36,857	124	99	100	96	97	92	99	112	110	112	105
Highlands	4980	Lake Placid Holding Company	4,460	72	66	57	62	67	68	65	73	63	66	67
Highlands	5270	Town of Lake Placid	7,315	131	140	96	97	82	83	82	84	81	90	84
Highlands	6029	City of Avon Park	22,457	96	89	92	106	80	80	83	84	83	94	85
Highlands	6326	Town of Lake Placid	NA	76	69	62	64	.	.	.	.	.	.	NA
Highlands	7139	Buttonwood Bay Utilities	1,664	104	108	110	91	92	87	85	109	104	135	104
Highlands	7704	Country Club Utilities, Inc.	NA	277	285	262	228	248	200	.	.	.	.	NA
Highlands	9490	LP Utilities Inc	NA	75	68	98	83	70	68	56	.	.	.	62
Highlands	11609	Town of Lake Placid	NA	73	52	57	71	.	.	.	.	.	.	NA
Highlands	13099	Sun N Lake of Sebring	7,542	86	79	81	83	86	85	83	83	81	85	83
Highlands	13367	Silver Lakes Utilities	NA	108	115	.	.	.	.	.	.	.	.	NA
Hillsborough	450	City of Temple Terrace	31,738	99	108	107	101	102	103	99	115	114	115	109
Hillsborough	1776	City of Plant City	40,248	83	83	85	88	91	112	101	106	103	116	108
Hillsborough	2062	City of Tampa	716,564	114	113	112	107	107	107	109	116	107	96	107
Hillsborough	2285	Davpam MHP	1,252	99	101	111	90	91	97	104	116	109	113	108
Hillsborough	2707	Pluris Eastlake LLC	NA	68	74	37	30	36	.	.	.	.	.	NA
Hillsborough	4757	Wilder Corporation / Hawaiian Isles	NA	60	15	.	.	.	.	.	.	.	.	NA
Hillsborough	6879	The Meadows at Countrywood MHC	2,416	104	101	109	99	101	89	98	111	105	80	97
Hillsborough	7002	Hometown America / Featherock MHP	NA	.	102	.	.	.	.	.	.	.	.	NA
Hillsborough	7637	Riverside Golf Course Com LLC	1,264	172	472	463	58	110	217	215	242	314	215	241
Hillsborough	7790	Paradise Village MHC	1,481	88	66	69	57	33	57	46	48	56	61	54
Hillsborough	10443	Windemere Utility Company	2,755	97	114	95	91	85	82	89	91	85	91	88
Hillsborough	12994	Pluris PCU INC	NA	.	76	17	69	59	.	.	.	.	.	NA
Hillsborough	20141	Hillsborough County NW	652,107	92	95	94	93	94	96	96	100	98	102	98
Levy	5640	City of Williston	3,275	97	137	149	134	134	137	146	134	189	141	149
Levy	7755	Town of Yankeetown	NA	74	59	78	63	64	80	85	.	.	.	83
Levy	8953	Town of Inglis	1,659	48	100	76	84	73	72	69	58	56	60	63
Manatee	5387	Manatee County / Lake Manatee	NA	59	73	.	.	.	.	.	.	.	.	NA

2019 ESTIMATED WATER USE REPORT

Table D-2. Ten-Year Historic Public Supply Compliance Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year										Five Year Ave.
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Manatee	6392	City of Bradenton	70,311	97	84	81	82	88	84	88	88	84	87	86
Manatee	10963	Town of Longboat Key	18,778	98	99	86	85	90	90	91	89	92	101	93
Manatee	12443	City of Palmetto	18,471	73	70	68	80	74	78	73	81	83	79	79
Manatee	13343, 7345	Manatee County Utilities	368,670	63	72	72	75	75	78	74	74	70	76	74
Marion	377	Marion Co Utilities, S Glen, Marion Oaks	NA	128	88	.	.	.	.	.	.	.	.	NA
Marion	1156	Bay Laurel CDD	13,884	205	265	186	175	173	205	220	234	220	227	221
Marion	2999	Marion Utilities Inc	1,125	120	88	85	83	81	90	94	91	86	79	88
Marion	4257	Rainbow Springs Utilities LC	NA	290	129	.	.	.	.	.	.	.	.	NA
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,000	142	172	158	144	136	137	160	153	136	148	147
Marion	6151	Marion County Utilities	40,147	174	151	134	137	116	127	139	137	130	127	132
Marion	6792	Sun Communities	NA	142	150	130	150	124	132	140	160	128	.	140
Marion	7849	Marion Utilities Inc	1,075	158	125	133	106	95	108	123	117	109	111	114
Marion	8005	Century Fairfield Village LTD	NA	115	134	101	119	117	118	118	141	118	.	124
Marion	8020	Marion Landings HOA	1,127	134	157	145	136	116	127	137	131	113	114	124
Marion	8165	Marion Co Utilities /Quail Meadow	NA	133	84	.	.	.	.	.	.	.	.	NA
Marion	8339	City of Dunnellon	6,355	53	163	121	121	120	115	147	144	154	157	143
Marion	8481	Marion Utilities Inc / Spruce Creek	6,600	110	117	131	88	93	103	106	105	102	104	104
Marion	9360	Windstream Utilities Company	NA	233	244	238	238	230	.	.	.	.	.	NA
Marion	11752	Marion County Utilities / Golden Ocala	NA	434	479	.	.	.	.	.	.	.	.	NA
Marion	12218	Marion County Utilities / Spruce Creek	NA	219	.	.	.	.	.	.	.	.	.	NA
Pasco	279	Florida Gov Utility Authority	3,553	87	75	61	80	81	55	56	58	57	71	59
Pasco	540	Holiday Gardens Utilities Inc	NA	85	67	59	61	78	.	.	.	.	.	NA
Pasco	543	Crestridge Utility Corp	NA	73	58	52	44	51	.	.	.	.	.	NA
Pasco	590	Florida Gov Utility Authority	9,060	113	117	104	110	101	99	104	116	109	100	106
Pasco	964	C S Water Company Inc	939	98	87	87	72	72	79	84	83	85	84	83
Pasco	1631	City of Dade City	12,611	104	116	106	106	97	65	93	110	105	107	96
Pasco	2043	Orangewood Lakes Mobile Home	NA	87	67	63	66	72	79	74	.	54	.	69
Pasco	2978	Florida Gov Utility Authority	5,410	110	108	110	116	101	95	105	122	114	123	112
Pasco	3182	Florida Gov Utility Authority	30,872	113	95	98	79	83	80	84	85	79	79	81

2019 ESTIMATED WATER USE REPORT

Table D-2. Ten-Year Historic Public Supply Compliance Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year										Five Year Ave.
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	3,758	44	39	64	53	52	57	58	59	56	55	57
Pasco	3668	Utilities Inc of Florida / Summertree	NA	68	53	64	99	109	62	49	.	.	.	55
Pasco	3677	Florida Gov Utility Authority	NA	67	55	53	54	47	59	55	54	52	.	55
Pasco	3692	City of Port Richey	7,739	86	53	46	56	45	43	49	87	92	87	72
Pasco	4550	City of San Antonio	2,421	98	107	87	90	90	92	61	60	58	55	65
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	71	49	58	.	.	.	.	.	.	.	NA
Pasco	4669	Hudson Water Works Inc	7,047	101	90	83	87	82	90	79	97	87	89	88
Pasco	4734	City of New Port Richey	35,476	88	89	86	82	90	95	96	97	93	95	95
Pasco	6040	City of Zephyrhills	27,824	113	104	109	109	88	74	84	88	84	82	82
Pasco	6867	Labrador Utilities Inc	NA	40	40	.	.	.	.	.	.	.	.	NA
Pasco	7299	L W V Utilities Inc	NA	157	85	64	.	.	.	.	.	.	.	NA
Pasco	7999	Florida Gov Utility Authority	2,007	64	64	62	60	56	60	55	60	64	68	61
Pasco	8417	Florida Gov Utility Authority	7,959	60	49	53	57	52	54	54	54	50	49	52
Pasco	8491	Parrish Properties V LLC	NA	64	23	.	.	.	.	.	.	.	.	NA
Pasco	11863	Pasco County Utilities	297,290	114	124	117	120	111	90	107	108	99	104	102
Pinellas	742	City of Tarpon Springs	28,875	112	72	71	96	93	94	90	86	91	86	89
Pinellas	2980	City of Dunedin	45,754	81	83	99	78	79	77	80	79	76	75	77
Pinellas	2981	City of Clearwater	145,889	79	74	64	69	72	76	75	75	76	73	75
Pinellas	7692	City of Belleair	5,977	130	82	132	98	131	97	108	106	113	107	106
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	28	61	54	54	51	32	.	.	.	.	32
Pinellas	10795	City of Gulfport	14,817	64	68	67	67	65	79	67	67	63	61	67
Pinellas	11218	City of Oldsmar	17,397	91	89	88	72	74	59	74	81	80	83	75
Pinellas	11245	City of Safety Harbor	15,183	92	82	80	91	85	93	97	98	95	86	94
Pinellas	12351	City of Pinellas Park	69,665	64	57	56	50	50	55	50	51	51	68	55
Pinellas	20142	Pinellas County	506,300	82	81	83	77	70	82	76	77	73	74	76
Pinellas	20143	City of St. Petersburg	351,801	79	96	80	79	77	79	78	80	78	74	78
Polk	143	Mountain Lake Corp	NA	464	.	.	.	.	.	.	.	.	.	NA
Polk	341	City of Bartow	25,751	73	70	81	101	56	51	54	61	60	66	58
Polk	645	City of Fort Meade	5,720	73	69	70	49	87	89	56	61	47	7	52
Polk	1616	Lake Region Mobile Home	NA	83	87	85	82	70	74	.	.	.	.	74

2019 ESTIMATED WATER USE REPORT

Table D-2. Ten-Year Historic Public Supply Compliance Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year										Five Year Ave.
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Polk	1625	Four Lakes Golf Club Ltd	1,448	105	159	181	157	156	138	164	180	141	180	161
Polk	2332	Town of Lake Hamilton	1,997	123	128	144	124	132	108	138	121	124	140	126
Polk	3415	Orchid Springs Development Corp	1,005	60	78	77	78	80	72	69	69	62	67	68
Polk	4005	Crooked Lake Park Water Co	2,598	89	90	37	90	89	83	84	84	85	86	84
Polk	4607	City of Winter Haven	84,440	141	126	138	113	118	113	114	117	115	116	115
Polk	4658	City of Lake Wales	22,414	126	122	119	115	115	113	113	114	116	116	114
Polk	4912	City of Lakeland	183,547	108	116	110	105	105	94	90	91	82	92	90
Polk	5251	Grenelefe Resort LLC	2,712	280	313	171	229	196	239	516	306	210	305	315
Polk	5750	City of Davenport	10,276	125	91	108	119	94	103	118	113	137	142	123
Polk	5868	Rainbow Resort	989	.	.	.	.	.	.	.	.	128	126	127
Polk	5870	City of Frostproof	3,616	104	92	79	88	110	107	108	106	110	83	103
Polk	5893	Town of Dundee	6,029	117	107	127	78	95	139	102	105	108	108	112
Polk	6124	City of Mulberry	4,769	89	94	87	91	97	79	83	80	84	82	82
Polk	6174	Saddlebag Lake Owners Assn	1,332	69	135	69	67	77	64	65	68	66	60	65
Polk	6505	Polk Co. / Northwest Regional Serv. Area	32,710	107	97	89	79	80	77	79	84	80	85	81
Polk	6506	Polk Co. / Southwest Regional Serv. Area	43,965	99	86	79	75	78	77	76	79	73	74	76
Polk	6507	Polk Co. / Central Regional Serv. Area	14,660	76	55	70	63	64	72	72	70	68	74	71
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,357	81	72	75	93	105	108	122	109	108	120	113
Polk	6509	Polk Co. / Northeast Regional Serv. Area	85,100	134	130	103	93	99	104	96	93	100	93	97
Polk	6624	City of Lake Alfred	8,460	174	140	148	129	124	131	130	127	116	113	123
Polk	6920	City of Eagle Lake	4,106	108	112	111	105	97	90	96	114	84	81	93
Polk	7119	City of Auburndale	30,458	132	123	138	111	111	112	116	120	98	143	118
Polk	7187	Century Realty Fund / Lake Henry	1,482	119	144	164	157	98	82	79	105	108	102	95
Polk	7328	Carefree RV Country Club Winter Haven	979	.	62	79	60	80	71	61	111	81	67	78
Polk	7703	Orange Ranch Acres Ranch	NA	122	.	.	.	.	.	.	.	.	.	NA
Polk	7878	Florida Gov Utility Authority	2,253	102	70	66	64	65	67	65	66	62	60	64
Polk	8054	Polk Co. / East Regional Serv. Area	6,627	77	86	77	73	66	67	66	68	70	70	68
Polk	8344	S V Utilities LTD	1,379	139	141	140	135	119	75	103	106	101	105	98
Polk	8468	Town of Polk City	7,450	51	57	56	61	57	56	55	51	50	46	52
Polk	8522	City of Haines City	37,417	108	94	106	125	130	125	129	126	115	115	122

2019 ESTIMATED WATER USE REPORT

Table D-2. Ten-Year Historic Public Supply Compliance Per Capita Water Use (gpd/person)

County of Use	WUP Number	Permittee Name	2019 Service Area Population	Calendar Year										Five Year Ave.
				2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	
Polk	8753	Plantation Landings Ltd	NA	99	91	108	78	80	67	.	.	.	.	67
Polk	8967	Sweetwater Community Inc	698	149	172	149	111	158	151	130	130	110	118	128
Polk	12800	Polk County Utilities Jordan's Grove	1,040	.	.	.	.	.	.	.	134	30	238	134
Polk	13043	Cypress Lakes Utilities, Inc	2,990	46	43	51	80	82	62	62	64	59	75	64
Sarasota	2923	City of Northport	56,756	57	69	59	68	62	61	60	64	58	59	60
Sarasota	4318	City of Sarasota / Verna Wellfield	84,549	84	72	81	78	82	79	78	78	78	74	77
Sarasota	4866	Englewood Water District	37,540	38	63	52	65	59	45	57	63	75	76	63
Sarasota	5393	City of Venice	36,589	58	52	55	55	62	78	63	64	59	65	66
Sarasota	5807	Camelot Lakes Communities MHP	1,829	145	140	132	139	74	67	187	73	88	81	99
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	70	29	82	74	83	.	61	66	41	98	66
Sarasota	8836	Sarasota Co. / Univ. Parkway	241,131	77	79	80	75	76	79	81	81	81	80	80
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,053	66	65	63	64	64	58	64	68	64	66	64
Sumter	2622	Continental Country Club	NA	114	127	121	93	84	86	.	.	.	.	86
Sumter	6519	City of Bushnell	3,869	99	81	118	146	142	145	88	87	125	121	113
Sumter	7185	City of Webster	856	88	84	89	89	143	56	62	72	88	99	75
Sumter	7799	Cedar Acres, Inc	NA	.	8	.	.	.	.	.	.	.	.	NA
Sumter	8135	City of Wildwood	20,012	93	131	130	133	67	72	62	98	98	110	88
Sumter	8193	City of Center Hill	1,170	.	.	45	52	59	73	64	71	56	56	64
Sumter	13005	The Villages of Marion & Sumter	89,679	153	167	148	154	145	145	169	135	94	92	127
Sumter	13123	Florida Grande Motor Coach Resort	NA	90	.	.	.	.	.	.	.	.	.	NA
Sumter	20597	City of Wildwood - Continental C. Club	1,598	.	.	.	.	.	.	57	75	75	81	71
Sumter	20721	South Sumter Utility Company	1,835	.	.	.	.	.	.	.	.	.	101	101

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for specific year. This may occur if permit was issued less than ten years ago, or the permit no longer exists, or the PSAR was no longer required. Acronym "NA" (Not Applicable) is shown for Service Area Population where the value was not calculated because permit was not active in 2019.

2019 ESTIMATED WATER USE REPORT

This page is intentionally blank.

2019 ESTIMATED WATER USE REPORT

APPENDIX E

UNIFORM PER CAPITA REPORT

**PREPARED FOR THE FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

2019 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2019

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
CHARLOTTE COUNTY														
718	Gasparilla Island Water Ass.	1.405	Y	GW/RO	0.006	0	0.328	1.083	1,990	1.88	3,751	289	0.872	233
871	City of Punta Gorda	5.135	Y	SW/RO	0.517	0.315	0.350	4.988	19,319	1.98	38,300	130	3.667	96
1512	Charlotte Harbor Water Association	0.453	Y	GW/RO	0	0	0.114	0.338	2,218	2.07	4,591	74	0.237	52
3522	Charlotte County Utilities	0.553	Y	GW/RO	0	0	0.124	0.430	3,473	2.18	7,579	57	0.296	39
7104	Charlotte Co BOCC	0	Y	GW/SW	10.460	0.517	0.099	9.844	56,423	2.20	124,309	79	7.194	58
Charlotte County Totals		7.546			10.984	0.832	1.016	16.682	83,423	2.06	178,530	93	12.266	69
CITRUS COUNTY														
207	City of Crystal River	0.730	Y	GW	0.016	0.001	0.027	0.718	2,325	2.08	4,842	148	0.248	51
419	City of Inverness	1.007	Y	GW	0	0	0.011	0.996	4,772	2.17	10,355	96	0.516	50
1118	Floral City Water Assoc Inc	0.360	Y	GW	0	0	0.011	0.349	2,434	2.17	5,291	66	0.252	48
2842	Citrus County Water Resources	2.476	Y	GW	0	0	0.025	2.451	7,905	2.43	19,173	128	1.831	96
4153	Rolling Oaks Utilities Inc	1.613	Y	GW	0	0	0.035	1.578	5,718	2.04	11,683	135	1.006	86
4406	Homosassa Special Water District	0.853	Y	GW	0	0.039	0.005	0.809	2,495	2.08	5,198	156	0.381	73
6691	Gulf Highway Land Corporation	0.055	Y	GW	0	0	0	0.055	278	2.14	595	93	0.052	87
7121	Citrus County & WRWSA	4.678	Y	GW	0	0.417	0.047	4.214	11,350	2.14	24,251	174	2.584	107
9791	Citrus County Water Resources	1.978	Y	GW	0	0	0.020	1.959	6,103	2.08	12,699	154	1.311	103
11839	GCP Walden Woods One LLC	0.157	Y	GW	0	0	0.002	0.155	522	1.99	1,041	149	0.153	147
20230	Ozello Water Association Inc	0	Y	GW	0.389	0	0.005	0.383	2,034	1.99	4,038	95	0.203	50
Citrus County Totals		13.908			0.405	0.458	0.187	13.668	45,936	2.12	99,167	138	8.537	86
DESOTO COUNTY														
4725	City of Arcadia	0.948	Y	GW	0.171	0	0.064	1.054	3,855	2.83	10,919	97	0.761	70
20457	DeSoto County Utilities	0	Y	SW/GW	0.548	0.140	0.008	0.399	2,567	2.33	5,969	67	0.162	27
DeSoto County Totals		0.948			0.718	0.140	0.072	1.454	6,422	2.58	16,888	86	0.923	55
HARDEE COUNTY														
30	City of Bowling Green	0.203	Y	GW	0	0	0.007	0.197	1,308	3.57	4,671	42	0.160	34
4461	City of Wauchula	0.643	Y	GW	0	0	0.013	0.630	2,058	3.10	6,386	99	0.329	52

2019 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2019

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
7658	Town of Zolfo Springs	0.140	Y	GW	0	0	0.010	0.130	820	3.51	2,878	45	0.115	40
13026	Hardee County BOCC*	0.132	Y	GW	0	0	0.003	0.129	898	3.23	2,904	44	0.092	32
Hardee County Totals		1.118			0	0	0.033	1.086	5,084	3.35	16,839	64	0.696	41
HERNANDO COUNTY														
5789	Hernando County Utilities	18.762	Y	GW	0	0	0.344	18.417	63,152	2.37	149,474	123	13.630	91
7627	City of Brooksville	1.498	Y	GW	0	0	0.010	1.488	8,397	2.29	19,215	77	0.727	38
Hernando County Totals		20.260			0	0	0.354	19.905	71,549	2.33	168,689	118	14.358	85
HIGHLANDS COUNTY														
4167	Aqua Utilities Florida Inc	0.115	Y	GW	0	0	0.001	0.114	675	2.17	1,464	78	0.072	49
4492	City of Sebring	4.153	Y	GW	0	0	0.042	4.111	17,109	2.17	37,086	111	2.689	73
4980	Lake Placid Holding Co	0.312	Y	GW	0	0	0.019	0.292	2,012	2.35	4,719	62	0.230	49
5270	Town of Lake Placid	0.662	Y	GW	0	0	0.007	0.655	3,190	2.28	7,267	90	0.401	55
6029	City of Avon Park	2.212	Y	GW	0	0	0.099	2.113	9,065	2.50	22,663	93	1.478	65
7139	Buttonwood Bay Utilities	0.233	Y	GW	0	0	0.008	0.225	959	1.74	1,666	135	0.144	86
13099	Sun N Lake of Sebring District	0.655	Y	GW	0	0	0.016	0.639	3,560	2.19	7,803	82	0.373	48
Highlands County Totals		8.342			0	0	0.192	8.150	36,570	2.20	82,668	99	5.388	65
HILLSBOROUGH COUNTY														
450	City of Temple Terrace	4.050	Y	GW	0	0	0.405	3.645	12,678	2.37	30,045	121	2.291	76
1776	City of Plant City	6.120	Y	GW	0.014	0.066	0.069	6.000	14,155	2.86	40,424	148	2.756	68
2062	City of Tampa Water Dept	80.565	Y	SW/GW	0.002	1.814	7.705	71.048	258,177	2.41	622,452	114	41.870	67
2285	Davpam Mobile Home	0.141	Y	GW	0	0	0	0.141	411	3.09	1,269	111	0.141	111
6879	The Meadows at Countrywood	0.192	Y	GW	0	0	0	0.192	1,391	1.70	2,369	81	0.190	80
7637	Riverside Golf Course	0.482	Y	GW	0	0	0.005	0.477	629	2.07	1,305	366	0.277	212
7790	Paradise Village MHP	0.091	Y	GW	0	0	0.001	0.090	388	2.71	1,053	86	0.084	80
10443	Windemere Utility Company	0.252	Y	GW	0	0	0.002	0.250	1,022	2.70	2,757	91	0.250	91
20141	Hillsborough County*	0	Y	SW/GW	67.198	0	0.672	66.526	250,345	2.62	656,009	101	53.085	81
Hillsborough County Totals		91.894			67.214	1.880	8.858	148.370	539,196	2.50	1,357,683	109	100.943	74

2019 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2019

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
There were no Public Supply Water Use Permits in the SWFWMD portion of Lake County														
LEVY COUNTY														
5640	City of Williston	0.487	Y	GW	0	0	0.024	0.463	1,254	2.57	3,219	144	0.202	63
8953	Town of Inglis	0.153	Y	GW	0	0.001	0.052	0.100	779	2.13	1,659	60	0.072	43
Levy County Totals		0.640			0	0.001	0.076	0.563	2,033	2.35	4,878	115	0.274	56
MANATEE COUNTY														
6392	City of Bradenton	6.556	Y	SW	0.206	0.010	0.663	6.089	30,078	2.24	67,382	90	4.142	61
10963	Town of Longboat Key*	0	Y	SW	1.961	0	0.066	1.895	9,560	1.77	16,958	112	1.563	92
12443	City of Palmetto*	0	Y	SW/GW	1.490	0.009	0.015	1.466	7,554	2.56	19,304	76	0.831	43
13343	Manatee County Utilities	41.341	Y	SW/GW	1.331	8.344	1.454	32.874	156,892	2.34	366,883	90	22.847	62
Manatee County Totals		47.897			4.988	8.363	2.198	42.324	204,084	2.23	470,527	90	29.383	62
MARION COUNTY														
1156	Bay Laurel CDD	3.374	Y	GW	0	0	0.029	3.345	7,919	1.74	13,806	242	2.841	206
2999	Marion Utilities Inc	0.090	Y	GW	0	0	0.001	0.089	496	2.28	1,131	79	0.069	61
5643	Utilities Inc of Florida	0.148	Y	GW	0	0	0.001	0.148	497	2.04	1,014	145	0.109	107
6151	Marion County Utilities	5.134	Y	GW	0	0	0.043	5.091	17,622	2.26	39,789	128	3.665	92
7849	Marion Utilities Inc	0.119	Y	GW	0	0	0.001	0.119	475	2.27	1,076	111	0.107	99
8020	Marion Landings	0.129	Y	GW	0	0	0	0.129	598	1.88	1,127	114	0.102	91
8339	City of Dunnellon	0.998	Y	GW	0	0	0	0.998	2,949	2.05	6,051	165	0.337	56
8481	Marion Utilities Inc, Spruce Creek	0.690	Y	GW	0	0	0.002	0.688	2,578	2.56	6,600	104	0.622	94
Marion County Totals		10.682			0	0	0.075	10.606	33,134	2.14	70,595	150	7.852	111
PASCO COUNTY														
279	Florida Gov Utility Authority	0.256	Y	GW	0	0	0.003	0.254	1,539	2.39	3,677	69	0.186	51
590	Mad Hatter Utility Inc	0.910	Y	GW	0	0	0.002	0.908	3,434	2.65	9,108	100	0.664	73
964	C S Water Company Inc	0.079	Y	GW	0	0	0	0.079	404	2.65	1,070	73	0.079	73
1631	City of Dade City	1.359	Y	GW	0	0	0.014	1.346	4,698	2.66	12,499	108	0.847	68
2978	Florida Gov Utility Authority	0.644	Y	GW	0.025	0	0.003	0.666	2,796	1.93	5,405	123	0.487	90

2019 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2019

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
3182	Florida Gov Utility Authority	2.284	Y	GW	0.227	0	0.077	2.435	13,189	2.41	31,758	77	1.873	59
3590	Utilities Inc of Florida	0.209	Y	GW	0	0	0.002	0.207	1,849	2.04	3,765	55	0.196	52
3692	City of Port Richey	0.695	Y	GW	0.010	0	0.032	0.673	3,144	2.13	6,706	100	0.310	46
4550	City of San Antonio	0.134	Y	GW	0	0	0.001	0.133	645	2.58	1,663	80	0.102	61
4669	Hudson Water Works Inc	0.633	Y	GW	0	0	0.006	0.626	3,372	2.06	6,948	90	0.410	59
4734	City of New Port Richey	0.445	Y	GW	5.010	2.021	0.055	3.380	15,985	2.13	34,092	99	1.833	54
6040	City of Zephyrhills	2.345	Y	GW	0	0.019	0.031	2.294	13,394	2.21	29,580	78	1.294	44
7999	Florida Gov Utility Authority	0.137	Y	GW	0	0	0.001	0.136	727	2.76	2,007	68	0.122	61
8417	Florida Gov Utility Authority	0.105	Y	GW	0.291	0	0.003	0.393	3,369	2.30	7,747	51	0.303	39
11863	Pasco Co Utilities	3.023	Y	GW	29.663	0.771	0.032	31.882	121,188	2.47	299,687	106	22.436	75
Pasco County Totals		13.258			35.226	2.811	0.262	45.411	189,733	2.36	455,713	100	31.142	68
PINELLAS COUNTY														
742	City of Tarpon Springs	3.449	Y	GW/RO	0.006	0.071	0.899	2.483	12,417	2.25	27,994	89	1.654	59
2980	City of Dunedin	4.634	Y	GW/RO	0	0	1.186	3.449	22,677	2.02	45,818	75	2.398	52
2981	City of Clearwater	7.658	Y	GW/RO	4.160	0	1.133	10.684	60,740	2.15	130,486	82	6.661	51
7692	Town of Belleair	0.811	Y	GW	0.003	0	0.016	0.798	2,693	2.15	5,784	138	0.642	111
10795	City of Gulfport*	0	Y	GW	0.898	0	0	0.898	7,747	1.98	15,303	59	0.721	47
11218	City of Oldsmar*	1.899	Y	GW/RO	0.004	0	0.466	1.437	6,445	2.49	16,074	89	0.894	56
11245	City of Safety Harbor*	0	Y	GW	1.302	0	0	1.302	6,535	2.33	15,252	85	1.302	85
12351	City of Pinellas Park*	0	Y	GW	4.743	0	0	4.743	28,227	2.29	64,734	73	3.303	51
20142	Pinellas County*	0	Y	GW	48.626	10.251	1.068	37.306	228,540	2.13	487,474	77	26.773	55
20143	City of St Petersburg*	0	Y	GW	27.444	1.077	0.500	25.867	157,637	2.16	340,799	76	16.169	47
Pinellas County Totals		18.450			87.185	11.400	5.268	88.968	533,658	2.20	1,149,717	77	60.518	53
POLK COUNTY														
341	City of Bartow	3.188	Y	GW	0	0	0.288	2.900	8,926	2.72	24,309	119	1.701	70
645	City of Fort Meade	0.572	Y	GW	0	0	0	0.572	2,072	2.88	5,969	96	0.359	60
1625	Four Lakes Golf Club Ltd	0.422	Y	GW	0	0	0.004	0.418	814	1.81	1,477	283	0.177	120

2019 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2019

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
2332	Town of Lake Hamilton	0.302	Y	GW	0	0	0.003	0.299	822	2.50	2,056	145	0.144	70
3415	Orchid Springs Development Corp	0.062	Y	GW	0.005	0	0	0.067	505	2.02	1,021	66	0.062	61
4005	Crooked Lake Park Water Company	0.242	Y	GW	0	0	0.018	0.224	1,015	2.62	2,659	84	0.164	62
4607	City of Winter Haven	9.903	Y	GW	0	0	0.099	9.804	34,686	2.42	83,908	117	6.199	74
4658	City of Lake Wales	2.629	Y	GW	0.004	0.001	0.026	2.606	9,298	2.46	22,834	114	1.634	72
4912	City of Lakeland	21.946	Y	GW	0	0.277	0.137	21.531	70,841	2.48	175,815	122	13.372	76
5251	Grenelefe Resort LLC	1.092	Y	GW	0	0	0.002	1.090	1,229	2.31	2,835	384	0.445	157
5750	City of Davenport	1.457	Y	GW	0	0	0	1.457	3,951	2.91	11,492	127	1.328	116
5868	Rainbow Resort	0.125	Y	GW	0	0	0	0.125	499	2.09	1,043	120	0.108	104
5870	City of Frostproof	0.359	Y	GW	0	0	0.004	0.355	1,602	2.44	3,916	91	0.169	43
5893	Town of Dundee	0.650	Y	GW	0	0	0	0.650	2,196	2.71	5,943	109	0.489	82
6124	City of Mulberry	0.392	Y	GW	0	0	0.002	0.389	1,846	2.53	4,663	83	0.219	47
6174	Saddlebag Lake Owners Assoc	0.081	Y	GW	0	0	0	0.081	795	1.71	1,362	59	0.089	65
6505	Polk County Utilities	2.640	Y	GW	0.151	0	0.027	2.764	12,447	2.72	33,864	82	2.337	69
6506	Polk County Utilities	3.302	Y	GW	0.051	0.051	0.041	3.262	15,809	2.86	45,230	72	2.896	64
6507	Polk County Utilities	1.107	Y	GW	0	0	0.016	1.090	5,331	2.79	14,877	73	0.875	59
6508	Polk County Utilities	0.650	Y	GW	0	0	0.010	0.640	1,615	2.74	4,422	145	0.226	51
6509	Polk County Utilities	5.858	Y	GW	2.201	0.155	0.006	7.898	27,692	2.64	72,992	108	6.545	90
6624	City of Lake Alfred	0.955	Y	GW	0	0	0	0.955	3,125	2.44	7,628	125	0.784	103
6920	City of Eagle Lake	0.352	Y	GW	0	0	0.021	0.331	1,425	3.12	4,443	75	0.258	58
7119	City of Auburndale	5.508	Y	GW	0	0	0	5.508	11,520	2.61	30,100	183	2.734	91
7187	CHC VII Ltd Century Realty Fund	0.262	Y	GW	0	0	0.003	0.259	869	1.73	1,503	172	0.117	78
7328	Carefree RV Country Club	0.108	Y	GW	0	0	0	0.108	500	1.99	994	109	0.066	66
7878	Florida Gov Utility Authority	0.136	Y	GW	0	0	0.001	0.136	847	2.77	2,346	58	0.114	49
8054	Polk County Utilities	0.478	Y	GW	0	0.008	0.008	0.463	2,532	2.54	6,435	72	0.320	50
8344	S V Utilities Ltd	0.146	Y	GW	0	0	0.001	0.144	705	1.99	1,405	103	0.094	67
8468	City of Polk City	0.370	Y	GW	0	0	0.024	0.346	2,467	2.67	6,596	53	0.231	35

2019 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2019

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
8522	City of Haines City	5.057	Y	GW	0	0	0.211	4.846	13,775	2.87	39,520	123	3.423	87
8967	Sweetwater Community Inc	0.121	Y	GW	0	0	0	0.121	416	1.70	706	171	0.064	90
10141	Polk Co Util Ovation Facility	0	Y	GW	0.013	0	0	0.013	0	2.81	0	NA	0	NA
12800	Polk Co BOCC Jorden's Grove	0.142	Y	GW	0.106	0	0	0.248	353	3.35	1,182	210	0.175	148
13043	Cypress Lakes Utilities Inc	0.229	Y	GW	0	0	0.004	0.225	1,596	1.89	3,022	74	0.175	58
Polk County Totals		70.842			2.531	0.492	0.956	71.925	244,121	2.48	628,565	114	48.092	77
SARASOTA COUNTY														
2923	City of North Port	1.598	Y	SW/RO	2.024	0.013	0.253	3.355	24,186	2.43	58,888	57	2.075	35
4318**	City of Sarasota Public Works	7.986	Y	GW	0	0.006	1.715	6.264	32,792	2.08	68,299	92	3.792	56
4866	Englewood Water District	4.192	Y	GW/RO	0	0.127	1.219	2.847	19,874	1.91	37,883	75	1.979	52
5393	City of Venice	4.608	Y	GW/RO	0	0	2.230	2.378	19,328	1.77	34,139	70	1.475	43
5807	Camelot Communities MHP	0.359	Y	GW/RO	0	0	0	0.358	969	1.92	1,865	192	0.355	191
7448	Sun-N-Fun RV Resort	0.143	Y	GW/RO	0	0	0.011	0.132	1,519	1.91	2,908	45	0.117	40
8836	Sarasota County BOCC	2.772	Y	GW/RO	17.929	0.805	0.619	19.278	117,519	2.10	246,785	78	13.918	56
Sarasota County Totals		21.658			19.953	0.951	6.048	34.612	216,187	2.02	450,765	77	23.712	53
SUMTER COUNTY														
1368	Lake Panasoffkee Water Assoc	0.266	Y	GW	0	0	0	0.266	1,920	2.26	4,338	61	0.211	49
6519	City of Bushnell	0.466	Y	GW	0	0	0	0.466	1,613	2.41	3,882	120	0.109	28
7185	City of Webster	0.086	Y	GW	0	0	0.001	0.085	339	2.62	887	96	0.037	41
8135	City of Wildwood	2.392	Y	GW	0	0	0.024	2.368	5,829	2.32	13,499	175	1.071	79
8193	City of Center Hill	0.065	Y	GW	0	0	0	0.065	375	3.12	1,170	56	0.053	45
12584	Orange Blossom Utilities	0.019	Y	GW	0	0	0	0.019	0	3.25	0	NA	0	NA
13005	The Villages of Marion & Sumter	20.549	Y	GW/SW	0	0	0.196	20.353	49,835	1.84	91,485	222	16.333	179
20597	Continental Country Club	0.129	Y	GW	0	0	0	0.129	939	1.73	1,622	80	0.112	69
20721	South Sumter Utility Co.	0.208	Y	GW	0.059	0.080	0.002	0.186	915	2.08	1,907	97	0.049	26
Sumter County Totals		24.181			0.059	0.080	0.224	23.937	61,765	2.40	118,790	202	17.975	151
DISTRICT TOTALS		351.624			229.264	27.408	25.819	527.660	2,272,895	2.35	5,270,015	100	362.059	69

2019 ESTIMATED WATER USE REPORT

Notes:

GPCD = gallons per capita per day, GPD = gallons per day, MGD = million gallons per day, NA = Not available.

If the PSAR was not received, withdrawal totals were based on reported annual metered pumpage (WMIS) and dwelling units served.

- 1 GW = ground water, SW = surface water, RO = Brackish Groundwater treated by Reverse Osmosis or Electro dialysis
 - 2 IMPORT = Water purchased or transferred from another utility or regional water supply authority.
 - 3 EXPORT = Water sold or transferred to another utility.
 - 4 TREATMENT LOSS = Annual average gallons per day which are lost in routine treatment for potability. This includes, but is not limited to, desalination reject water, sand filtration backwash, and quantities used to maintain appropriate water quality in pipelines or tanks. Treatment losses are calculated as raw water into the plant minus treated water out of the plant. In addition, this can include no more than 1% of treated water volume delivered to the distribution system for flushing distribution lines for potability.
 - 5 GROSS USE (aka "finished") = (withdrawal) + (import) - (export) - (treatment loss).
 - 6 HOUSING UNITS SERVED = Housing units served reported by the utility. If no annual data was submitted, the estimated housing units served was based on parcel-level BEBR-MED projections published in 2019 (GIS Associates) ÷ U.S. Census Persons Per Household.
 - 7 AVG PPH = U.S. Census Persons Per Household by utility service area. The source data is available under Section B-2 at:
<https://www.swfwmd.state.fl.us/resources/data-maps/section-b-data-and-methods-estimating-service-area-population-served>
 - 8 RESIDENTIAL POPULATION SERVED = (housing units served reported by the utility) * (Census utility service area average persons per household). If no annual data was received, the estimated housing units served was based on parcel-level BEBR-MED Projections published in 2019 (GIS Associates) ÷ U.S. Census Persons Per Household.
 - 9 DEP GROSS PER CAPITA = (gross use) / (residential population served). Population-related withdrawals associated with residential, business, institutional, industrial, miscellaneous metered, and water loss uses are applicable to all public supply permits.
 - 10 RESIDENTIAL USE = Use reported by utility for only residential purposes. If no data was received, the countywide percent residential use was applied.
 - 11 RESIDENTIAL PER CAPITA = (residential use) / (residential population served).
- * The utility is a wholesale water importer. Most or all of the water used was purchased from a regional water supply authority or another utility.
- ** Sarasota County Utilities combines three WUPs for public supply annual reporting: #4318, #10224, and #10225.

2019 ESTIMATED WATER USE REPORT

APPENDIX F

**ESTIMATED WATER USE REPORT
HISTORY AND METHODOLOGY**

2019 ESTIMATED WATER USE REPORT

WUP METERING REQUIREMENT HISTORY

Prior to 1989, metering was only required on WUPs with permitted quantities for 500,000 gpd or more (on an annual average basis). Between 1989 and 1992, metering was required on all WUPs for 100,000 gpd or more in the Northern Tampa Bay Water Use Caution Area (NTB WUCA) and in parts of the Southern Water Use Caution Area (SWUCA), formerly known as the Eastern Tampa Bay WUCA and Highlands Ridge WUCA. The District established a cost-reimbursement program for meter installations, and by January 1992, all WUPs that were required to be metered were metered. In 1992, the SWUCA was established, replacing the Eastern Tampa Bay WUCA and the Highlands Ridge WUCA and including the counties between them. Metering requirements for WUPs allowing 100,000 gpd or more were added to the new areas in the SWUCA. Permittees began installing these meters (under another meter cost-reimbursement program) beginning in 1995. By 2003, all permits in the SWUCA with the new metering requirement were metered. In 2007, the NTB WUCA was expanded to include all of Pasco County and the remaining portion of Hillsborough County that was not in the SWUCA. Metering conditions were applied to all WUPs for 100,000 gpd or more on an annual average basis in the added area of Pasco and Hernando under another meter cost-reimbursement program by the District.

Currently, the more lenient metering requirement at 500,000 gpd or more still exists for WUPs other than public supply in the northern District portions of Lake, Marion, Citrus, Sumter, Hernando, and Lake Counties, and a portion of Polk County north of the SWUCA boundary. This results in a proportionately greater number of estimated WUPs in the northern District. Metering may still be required for smaller WUPs as a special condition if the withdrawals have the potential to impact sensitive water bodies, water resources, or other legal users.

Rules for the Dover/Plant City WUCA were implemented in 2011. These rules require meters to be installed on all withdrawal points permitted for freeze protection quantities or permitted for a use that typically requires freeze protection. The District is assisting the affected permittees with the cost of buying and installing the meters, along with automatic meter reading (AMR) devices installed on new or existing meters. The District also pays the subscription costs to have a vendor transmit the AMR data to the District in real time.

WATER USE PERMIT BUSINESS RULES AND CONSTRUCTION

Every active water use permit (WUP) has at least one existing or proposed withdrawal point, one water demand use code, and a permit allocation of at least one gallon per day in annual average quantities. Each of the active withdrawal points on the WUP have their own permitted allocation, and the sum of those allocations should equal the WUP's total permitted quantity, with some exceptions for very large WUPs that are allowed to rotate their withdrawal allocations to protect natural resources. Also, the use type allocation(s) for each withdrawal point should be equal to the permitted allocation for that withdrawal point. Some WUPs have maximum daily and peak month permitted quantities assigned. The annual average rules apply to the maximum daily quantities, but not the peak month quantities, as those are relative to the month of use.

The withdrawal points are either groundwater wells or surface water withdrawal intakes. Each withdrawal point is described in the District's Water Management Information System (WMIS) database by codes that define its type, purpose, and intended use. These codes facilitate analyses for the annual EWU Reports.

All WUPs have a defined water use demand. The specific water use demands are codified by a series of four-digit *water use codes* that describe the purpose of the withdrawal. There are over 300 water use codes currently utilized in WMIS. Use code definitions are listed in the footnotes of the

2019 ESTIMATED WATER USE REPORT

Appendix A tables. These codes are alphanumeric, and the letter prefix of the code defines which of the seven predominant water use categories it belongs to:

- Agriculture (A__ or L__ for livestock)
- Public Supply (P__)
- Landscape/Recreation (R__)
- Industrial/Commercial (I__)
- Mining/Dewatering (M__)
- Institutional (N__)
- Other (O__)

The larger WUPs often have multiple use codes catalogued, and some withdrawal points may have more than one use code. To prevent the EWU Report from being overly complicated, many detailed uses are grouped together by general similarities. For example, a farm's WUP could be permitted for irrigation of a mixture of crop types including citrus, broccoli, and carrots; along with potable water provided to farm worker housing. In the EWU Report, the water use for crops will be in the "agriculture" category with citrus irrigation in its own "Citrus" use group, the quantities for broccoli and carrots will be combined under the "Vegetables" use group, and the potable water use will be counted separately in the "Public Supply" category.

Some WUPs for large public supply utilities don't have use codes assigned at the withdrawal points because the utilities distribute water to various customer types within their service area. Instead, the utilities annually provide customer type information in their Public Supply Annual Reports (PSARs). The customer type information from the PSARs is published in Appendix A, Table A-2.

WMIS uses several other alphanumeric codes to define WUP and withdrawal point characteristics. WUP attributes that are queried for the EWU Report include the permit number, revision number, issue date, delete date, active status code, county, water use caution area, total permitted annual average, and maximum daily quantities. The queried withdrawal point attributes include site ID numbers, withdrawal type, status, use function, operation code, permitted annual average and maximum daily quantities, latitude/longitude, county, and codes for metering and pumpage conditions. The water use codes for each WUP are queried and stored in a parallel dataset and include the predominant and detailed use type, a use ID number, and permitted quantity per detailed use.

All WUPs have revision numbers which track the former, current, and proposed versions of the WUP, and the revisions have a status code to indicate which revision is currently active. When a new WUP application or modification request is received, it's given a status of "Submitted." When the WUP is officially issued and active, the status is changed to "Approved." Former inactive WUPs may have a status of "Expired," "Cancelled," "Withdrawn," or "Denied." The permitted quantities described in this report are based on the active WUP revisions at the end of the year. WUPs that officially expired before the end of year may still be listed in the report to represent their withdrawals; or, if the withdrawal points were transferred to a different WUP, the prior withdrawals may be counted with the new WUP.

ESTIMATED WATER USE REPORT METHODOLOGY

A suite of SAS programs is used to extract and process WUP data from the WMIS database. These program scripts were initially created in 1994 and have been modified over time to conform with District boundaries, updated coding, and some changes to what data is queried or excluded during analysis. The basic methodology hasn't changed much and is described below.

Data Capture

2019 ESTIMATED WATER USE REPORT

A “permit snapshot” of active WUP permit records is taken at the end of each calendar year because the permit codes may change daily as WUPs are approved, modified, or expire. The end-of-year snapshot becomes the EWU database for permit-related data.

At a later date, a second “pumpage snapshot” acquires meter-based data for the active WUP withdrawals. It can take several weeks after year’s end for all pumpage to be reported and inputted to the WMIS database. Additionally, pumpage may be corrected in the following months as quality-control activities are performed. So, the pumpage snapshot is occasionally updated over the following months to acquire the latest pumpage data. The pumpage data used for the 2019 EWU Report was last queried on October 5th, 2020.

Data Filtering

Sets of SAS programs apply filters to the permitting codes to remove WUPs, withdrawal points, and use types that do not pertain to withdrawal directly from natural resources. Only groundwater and surface water withdrawal points are kept, and only existing and proposed withdrawal points are kept. Reclaimed water sources and repumped quantities from previously counted sources are removed. Withdrawal points with the following use type codes are excluded to avoid counting alternative water sources or double-counting recirculated water:

A705	Dewatering to On-Site for Agricultural Purposes
P011	Augmentation for Replacement Quantities
P085	Significant Use (identifies major public supply utility customers)
P110	Quantities Supplied by External Source
P170	Reuse Water Provided to Customers W/I Service Area
P175	Reuse Water Supplied W/I Service Area not for Use
P180	Reuse Water Provided to Customers outside of Service Area
R400	Reuse Water Received from a Utility
R401	Reuse Water Generated on Site
R405	Closed Loop Heating and Cooling
I417	Closed Loop Heating and Cooling
I701	Closed Loop Non-Consumptive Heating and Cooling
I825	Non-Power-Plant Non-Consumptive Cooling
I856	Reuse Water Quantities Received
I857	Reuse Water Quantities Used
I866	Power Plant Seawater Cooling
M985	Recirculated Mining Quantities
N506	Reuse Water Generated on Site
N507	Reuse Water Received from a Utility

The following “withdrawal point function codes” are excluded from the EWU query because they pertain to unregulated sources or injected/recharged water:

D	Domestic
GI	Geothermal Injection
J	Injection
RC	Recharge of aquifer with no recovery
RP	Repump withdrawal point

The following “withdrawal point operation codes” are excluded from the EWU query because they do not pertain to natural resources or have minimal impact:

AR	Alternative source plus repump
AS	Aquifer Storage and Recovery

2019 ESTIMATED WATER USE REPORT

AW	Alternative water supply that is neither reclaimed water nor captured stormwater
CB	Dewatering quantities that are recycled on-site
CL	Closed loop heating or cooling
EF	Effluent line into property (typically reclaimed water imports)
F	Foundation test well (very short-term use)
FM	FARMS reservoir pumpage
MR	Mixed repump of surface water and alternative source
O	Observation well aquifer test
RS	Repump of groundwater plus stormwater
RU	Repump of reclaimed water
SR	Surface water plus repump of groundwater
ST	Stormwater received from another entity
T	Test well
TR	Tailwater recovery

The operation codes for rotational (**RI**) and standby (**SB & SA**) withdrawal points identify wells that allow occasional, flexible water use. If used, their pumpage is included in the tally of withdrawals, but their permitted quantity isn't added to the WUP's total permitted quantity. Likewise, withdrawal points operated for crop freeze protection only (**EC**) will have their withdrawals included, but the EWU datasets have changed their permitted quantity to 2 gpd as an identifiable placeholder.

Data Correction and Quality Control

The District's review of EWU data serves as an opportunity for staff to identify and correct permit coding errors and address questionable pumpage records. The EWU Report author communicates issues with WUP compliance staff, and parallel corrections may occur to both the WMIS database and the draft EWU datasets.

The EWU permit datasets are checked by running a series of SAS programs that look for incongruities to the business rules for WUPs. When errors are identified, they are fixed using SAS correction scripts to modify the EWU dataset and archive the changes made. The original permit snapshot data is archived on a District network drive for historic record. The SAS correction and check programs are rerun through multiple iterations until the check programs show zero errors. Found errors are communicated to regulatory staff where they are vetted before being corrected in the WMIS database. Most issues involve internal coding or small changes that seldom require the WUP to be revised.

On WUPs that have water repumped from irrigation ponds, the water use codes are sometimes assigned to repump withdrawal points instead of the wells/intakes from natural resources that augment the irrigation ponds. This is okay from a regulatory perspective, but it complicates the EWU query because repump withdrawal points are excluded. The author remedies this issue by using scripts to reassign proxy use codes and permitted quantities in the EWU database to the augmentation withdrawal points. Proxy use codes are also used for a few large WUPs that allow rotational use of permitted quantities among several withdrawal points.

The EWU author will search for and include any WUPs issued near the end of the year, which might not be fully entered into the WMIS database by staff before the snapshot. The author will also find withdrawal points that were transferred or consolidated into another WUP during the year. The old WUP's permit quantity is typically not counted, but any pumpage on the old WUP's transferred withdrawal points may be allocated to the new WUP's annual withdrawals.

Once the permit-level checks are complete, the EWU permit dataset's withdrawal points provide a template for querying the monthly pumpage. Some withdrawal points have daily-reported pumpage in WMIS which is converted to monthly averages. The pumpage data is checked by

2019 ESTIMATED WATER USE REPORT

searching for outlier quantities, such as monthly pumpage of a certain magnitude higher than the permitted quantity, or significantly different from other months when it's known the water demand is consistent. Unfortunately, pumpage errors with apparently reasonable values may go undetected. Unrealistic pumpage values are sent to regulatory staff for review and confirmation. Any changes to WMIS pumpage records require the permittee's written approval. If corrections are made in the WMIS database, they can be captured when the pumpage snapshot is rerun. If the approval is not acquired, or a correction can't otherwise be made before the final pumpage query, the EWU author may take liberty of inserting a more realistic value in the EWU pumpage dataset.

Data Compilation and Estimations

The reviewed EWU permit and pumpage datasets are processed by SAS programs that sum by predominant use categories and calculate water use estimates for all non-metered withdrawal points. The estimates are based on withdrawn/permitted ratios of metered withdrawal points. Some adjustments and grouping are necessary to generate effective ratios.

Scaling: If a WUP's multiple withdrawal points have permit quantities that do not sum equal the WUP's total permitted quantity, a "scaled" permitted value is applied to each withdrawal point on the WUP to match the permitted quantity. The scaled quantity is used for calculating permitted quantities for specific use categories and for estimating pumpage on non-metered withdrawal points.

Fractioning: WUPs coded with two or more predominant use categories have their withdrawal totals fractioned based on the permitted quantity for each predominant use. The calculated shares are assigned to the predominant use categories in the EWU tables and charts. This simplifies the data processing but can potentially introduce errors. The author compares the calculated shares for several significantly large WUPs to audits of metered wells with identified uses for quality assurance and manually adjusts data where appropriate.

Quantity Tiers: For estimation purposes, all active withdrawal points are assigned one of four "tiers" according to the withdrawal's permitted quantity:

<i>Tier #</i>	<i>Permitted Quantity</i>
Tier 1:	< 50,000 gpd
Tier 2:	50,000 to 100,000 gpd
Tier 3:	> 100,000 to < 500,000 gpd
Tier 4:	500,000 gpd or more.

The four size tiers are applied to each of the seven predominant use categories, making 28 "use-tier" groups. The groups are further sorted into monthly blocks. A ratio for each block is calculated based on the representative metered/permitted quantity. All metered withdrawal points are included in the process of determining the pumped/permitted ratios. Ratio values are sorted into an ordered distribution from smallest to largest ratio for statistical analysis.

In a normal distribution, the 50th percentile (median) is equal to the average (mean) value. If the distribution is skewed, the median is not equal to the mean. The metered/permitted ratio distributions are typically skewed to the right (i.e. the mean average is greater than the median). At the low end of the distribution, pumpage data includes zeros for withdrawal points that are unused or unrecorded. At the high end, some ratios could be much greater than 1.0 due to over-pumpage or erroneous outliers. To negate the effects that bad end-values can have on the mean average, percentiles are used to select the most plausible ratios for estimation. A range of percentiles from the 50th through the 80th within the distribution are analyzed, and a percentile for each use-tier is selected that generates a feasible fit between mean and median values over the 12 months. A SAS graphing program is used to evaluate each use-tier. The monthly ratios in each use-tier that were used for the 2019 EWU Report are provided in Table F-1 below.

2019 ESTIMATED WATER USE REPORT

TABLE F-1: Monthly pumped/permitted Ratios used for Water Use Estimates, 2019

Predominant Use Type	Size Tier	Monthly Ratios												Annual Ave	Metered Percentile
		1	2	3	4	5	6	7	8	9	10	11	12		
Agriculture	1	0.52	0.63	0.85	1.08	1.23	0.58	0.30	0.10	0.98	1.38	0.93	0.59	0.764	P70
Agriculture	2	0.43	0.51	0.66	0.85	0.91	0.50	0.18	0.04	0.69	0.94	0.78	0.46	0.579	P60
Agriculture	3	0.32	0.34	0.55	0.65	0.68	0.26	0.06	0.00	0.45	0.72	0.62	0.38	0.419	P60
Agriculture	4	0.00	0.10	0.35	0.65	0.34	0.00	0.00	0.00	0.46	0.57	0.37	0.07	0.243	P70
Industrial/Com	1	0.37	0.40	0.39	0.37	0.33	0.32	0.39	0.39	0.42	0.37	0.35	0.45	0.379	P60
Industrial/Com	2	0.63	0.69	0.72	0.76	0.66	0.52	0.34	0.32	0.82	0.84	0.65	0.45	0.617	P60
Industrial/Com	3	0.21	0.17	0.11	0.34	0.29	0.26	0.30	0.12	0.20	0.38	0.15	0.19	0.227	P55
Industrial/Com	4	0.26	0.24	0.23	0.37	0.53	0.43	0.45	0.49	0.48	0.48	0.38	0.41	0.396	P60
Institutional	1	0.77	0.20	0.07	0.35	0.13	0.76	0.49	0.10	0.49	0.27	0.05	0.07	0.313	P60
Institutional	2	0.77	0.20	0.07	0.35	0.13	0.76	0.49	0.10	0.49	0.27	0.05	0.07	0.313	P50
Institutional	3	0.78	0.77	1.11	0.77	0.93	0.90	0.51	0.55	0.29	0.56	0.88	0.78	0.736	P50
Institutional	4	0.78	0.77	1.11	0.77	0.93	0.90	0.51	0.55	0.29	0.56	0.88	0.78	0.736	P50
Landscape/Rec	1	0.48	0.58	0.73	0.93	0.92	0.73	0.51	0.33	0.72	0.94	0.79	0.81	0.706	P65
Landscape/Rec	2	0.10	0.23	0.47	0.65	0.74	0.52	0.26	0.21	0.54	0.52	0.55	0.38	0.431	P60
Landscape/Rec	3	0.22	0.34	0.61	0.75	0.99	0.63	0.26	0.13	0.77	0.68	0.63	0.37	0.532	P55
Landscape/Rec	4	0.60	0.50	0.76	0.76	0.63	0.90	0.31	0.22	0.02	0.23	0.12	0.58	0.469	P55
Mining/Dew	1	0.20	0.28	0.36	0.47	0.37	0.33	0.23	0.32	0.16	0.38	0.21	0.30	0.301	P65
Mining/Dew	2	0.45	0.45	0.64	0.56	0.52	0.35	0.00	0.46	0.66	0.83	0.94	0.65	0.543	P55
Mining/Dew	3	0.31	0.54	0.42	0.39	0.38	0.40	0.42	0.42	0.51	0.57	0.45	0.56	0.448	P55
Mining/Dew	4	0.02	0.21	0.21	0.18	0.31	0.12	0.10	0.21	0.10	0.10	0.10	0.03	0.141	P65
Other	1	0.00	0.01	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.033	P50
Other	2	0.00	0.01	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.033	P50
Other	3	0.00	0.00	0.00	0.00	0.00	0.00	0.39	0.00	0.00	0.00	0.00	0.00	0.033	P80
Other	4	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.001	P55
Public Supply	1	0.98	1.05	0.99	1.10	1.22	0.64	0.63	0.62	0.78	0.88	0.91	0.86	0.888	P65
Public Supply	2	0.68	0.66	0.75	0.79	0.84	0.80	0.71	0.67	0.76	0.75	0.70	0.76	0.739	P55
Public Supply	3	0.69	0.71	0.74	0.78	0.79	0.78	0.73	0.64	0.78	0.75	0.72	0.70	0.734	P55
Public Supply	4	0.69	0.70	0.86	0.77	0.90	0.86	0.80	0.70	0.76	0.84	0.74	0.68	0.775	P60

Estimating Withdrawals for Unmetered WUPs: All the active non-metered WUP withdrawal points are assigned a use-tier. A SAS program multiplies each non-metered withdrawal point's scaled permit quantity to the corresponding ratio to estimate its monthly pumpage. The monthly estimates, as opposed to annual estimates, are generated to provide data that the District can use for simulating monthly well pumpage in hydrologic models and for other scientific purposes.

Final Compilation: SAS programs combine the metered and estimated monthly pumpage data to compile the annual average withdrawal totals per predominant and detailed use categories, water source, county, and water use caution areas. Tables and WUP listings are generated that are close to the final versions contained in the report. The author uses the program output to generate much of the charts, tables, and appendices, but also audits many of the large or complicated WUPs for comparison and adjustments.

Water utility data from the Public Supply Annual Reports (PSARs) is reviewed by staff for compliance and demographic analysis. PSAR data is a primary source for the public supply tables, but the PSAR data is cross-checked with the SAS output for quality assurance. More information on PSARs is below and in the public supply chapter.

Since the domestic self-supply withdrawals are not permitted, nor have pumpage records, the estimates must be calculated separately and are discussed below.

2019 ESTIMATED WATER USE REPORT

DOMESTIC SELF SUPPLY (DSS) ESTIMATIONS

The water use in the DSS category represents small domestic wells for potable supply at rural residences. DSS water use is not regulated by the District, as the wells typically have 4" diameter casings and withdraw small quantities that are below regulatory thresholds. Privately owned DSS wells typically do not have a meter, and pumpage records are not available to apply the estimation methods described above. As an alternative, the EWU Reports have provided a population-based estimate of DSS quantities since 1982. A "rural population" value for each county is multiplied by the county's average residential per capita use for public supply (from Table A-2) to estimate the DSS use quantity for each county.

Since 2014, the counties' rural population is calculated using a GIS-based analysis of census parcels located outside of utility-served areas. In earlier EWU reports, the rural population was calculated as the difference between a countywide functional population and the sum of utility-served functional populations reported in the PSARs. The 2019 rural population data was queried from a U.S. Census parcel-level, centroid-point based, population shapefile including permanent/seasonal, tourist, and net commuter populations. The census points were clipped inside the District boundary and outside of polygons for active public supply utility service areas. The 2019 population was averaged between 2018 and 2020 projections. The above GIS shapefiles are available under "Demographics" on the District's Geospatial Data Portal:

<https://data-swfwmd.opendata.arcgis.com/>.

The countywide self-supplied population was multiplied by the countywide average residential water use per capita (from Table A-2). It's assumed that the residential per capita effectively accounts for weather influences on outdoor water use during the year.

This DSS methodology does not account for residential irrigation use by public supply utility customers who use small wells for irrigation only. If needed, such estimates are projected in 5-year increments in the District's Regional Water Supply Plan, Appendix 3-3, Table 23, available at:

<https://www.swfwmd.state.fl.us/resources/plans-reports/rwsp>

UTILIZATION OF PUBLIC SUPPLY ANNUAL REPORTS

The EWU Reports include data from the PSARs that are submitted by the larger public supply utilities. A permittee having a public supply WUP issued for 100,000 gpd or greater is required under Chapter 40D-2, Florida Administrative Code (F.A.C), to submit a PSAR by April 1 of each year. A considerable amount of staff time is placed into review of the PSARs, and the data is used to support water supply planning, water use permitting, and water conservation. Historically, some discrepancies have occurred between the PSAR-sourced public supply withdrawals and those calculated from the WMIS monthly pumpage records. The PSAR data was used as the principal source for public supply withdrawals and use in this report. Nearly all discrepancies between the WMIS and PSAR withdrawal data were reconciled by District and utility staff prior to publication. Some differences between the official PSAR submittals and values in Appendix A of this report for permittees are possible, due to the authors' liberty to provide the best estimates of water use within the calendar year. PDFs of the official PSAR submittals can be downloaded by finding the WUP with the District's Permit Mapping tool at the link below. Select the permit area, the WMIS hyperlink "More Info," then look under the "documents" tab for "Public Supply Annual Report" or "Public Supply Survey."

<https://www.swfwmd.state.fl.us/business/epermitting/water-use-permit>