

# Southwest Florida Water Management District 2018 Estimated Water Use Report



Hendrickson Dam on Shell Creek, Charlotte County.

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# Southwest Florida Water Management District

# 2018 Estimated Water Use Report

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

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# **2018 ESTIMATED WATER USE REPORT**

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# **2018 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 not used to determine compliance with 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 86 percent of the withdrawals reported.

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

**Table ES-1. Districtwide Water Withdrawals and Use (mgd) in 2018.**

<b>Category</b>	<b>Withdrawal</b>	<b>Use</b>
Public Supply	551.9	518.8
Domestic Self Supply	34.8	34.8
Landscape/Recreation	57.2	57.2
Agriculture	355.0	355.0
Mining/Dewatering	19.8	19.8
Industrial/Commercial	64.5	64.5
Institutional	0.5	0.5
"Other" Uses	0.2	0.2
<b>Total</b> (rounding discrepancy occurs)	<b>1,084.0</b>	<b>1,050.8</b>

For all categories except public supply, the quantity of water withdrawn is assumed to be the quantity used, because the water was likely pumped at the same location and time of its use.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As shown, the total amount of water withdrawn in the District from natural resources was 1,083.9 mgd. The total water used was 1,050.7 mgd. Most withdrawals were for public supply at 51 percent of total withdrawals, followed by agriculture at 33 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 businesses and other entities that received water from public supply utilities.

The 551.9 mgd of public supply withdrawals in 2018 are down from the 566.2 mgd in 2017. After accounting for net changes in reservoir storage and losses from treatment and transmission, the public supply use quantity is 518.8 mgd, which is down from the 530.9 mgd used in 2017.

The water used for public supply was distributed to a functional population of approximately 5.3 million persons. The unadjusted gross use per person was 96 gallons per capita per day (gpcd) Districtwide. Applying various deductions, the "adjusted gross per capita" was 95 gpcd, the "compliance per capita" was 90 gpcd, and the "residential per capita" was 67 gpcd. The multiple per capita measures are explained in the public supply section of this report.

### **DOMESTIC SELF-SUPPLY**

The District does not regulate or meter domestic self-supply withdrawals, so this category is wholly estimated. Approximately 465,000 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 2018 was 57.2 mgd, which is down from 61.7 mgd in 2017. Irrigation of golf course play areas account for 50 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 2018 was 355.0 mgd, which was down from 376.1 mgd in 2017. The crop constituting the



## **2018 ESTIMATED WATER USE REPORT**

majority of use was citrus at 55 percent of the agriculture total.

### **MINING/DEWATERING**

The mining/dewatering quantities represent only the water consumptively used from natural resources. Modern mining operations recirculate much of their water supply on-site and utilize alternative water sources if available. Applicable consumptive uses include washing and sorting of mined materials, non-recycled 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 average use in 2018 was 19.8 mgd, which was down from the 22.6 mgd in 2017. Phosphate mining accounted for 94 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 2018 was 64.5 mgd, which was up from the 58.1 mgd in 2017. Power generation uses (non-seawater) accounted for 35 percent of the total.

### **INSTITUTIONAL AND OTHER USES**

The “institutional” and “other” use type categories were adopted by the District in 2014. In 2018, there were 30 WUPs with allocations for these categories, and the number of allocations is anticipated to increase as WUPs with relevant uses are renewed and issued.

The institutional use category includes hospitals, schools, and other facilities that were historically categorized as industrial/commercial or public supply. Institutional uses averaged 0.5 mgd in 2018.

The currently permitted “other” uses are mostly for environmental augmentation to maintain levels in surface water bodies if they fall below trigger elevations defined by environmental

management plans. In 2018 the “other” uses were approximately 0.2 mgd. There was above-average rainfall much of the year which helped to alleviate augmentation demands.

### **WATER USE CAUTION AREAS**

Water withdrawal quantities for 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 622.5 mgd was withdrawn in the SWUCA, of which 511.3 mgd was from groundwater and 111.2 mgd was from surface water. The largest water use category in the SWUCA was agriculture at 294.7 mgd.

*MIA of the SWUCA:* A quantity of 123.4 mgd of water was withdrawn by WUPs in the MIA of the SWUCA, of which 82.6 mgd was from groundwater. Agriculture accounted for 35 percent of the withdrawals and public supply was 46 percent, although more than half of the public supply was from surface water sources in Manatee County.

*Northern Tampa Bay WUCA (NTB WUCA):* A quantity of 301.6 mgd of water was withdrawn in the NTB WUCA in 2018. Groundwater made up 174.6 mgd of the withdrawals. The largest use category in the NTB WUCA was public supply at 83 percent of the total, although 49 percent of the public supply was from surface water sources.

*Dover/Plant City WUCA (DPC WUCA):* A quantity of 56.2 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 26.3 mgd.

### **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 37.6 mgd, nearly all from groundwater. The Shell Creek priority watershed withdrawals were 16.0 mgd, of which 52 percent were from groundwater.



# **2018 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 and is charged with managing and protecting water resources to ensure their continued availability while maximizing the benefits to the public. The jurisdictional boundary of the District 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, the 16 counties within its jurisdiction, 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 known as the Most Impacted Area (MIA) is not a WUCA itself, but a special area within the SWUCA where permitting of new quantities that impact the Upper Floridan aquifer water level is currently suspended.

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 additional water use 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) has a water supply planning area established for

collaborative planning efforts among the three central water management 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 the county data can be easily combined if needed.

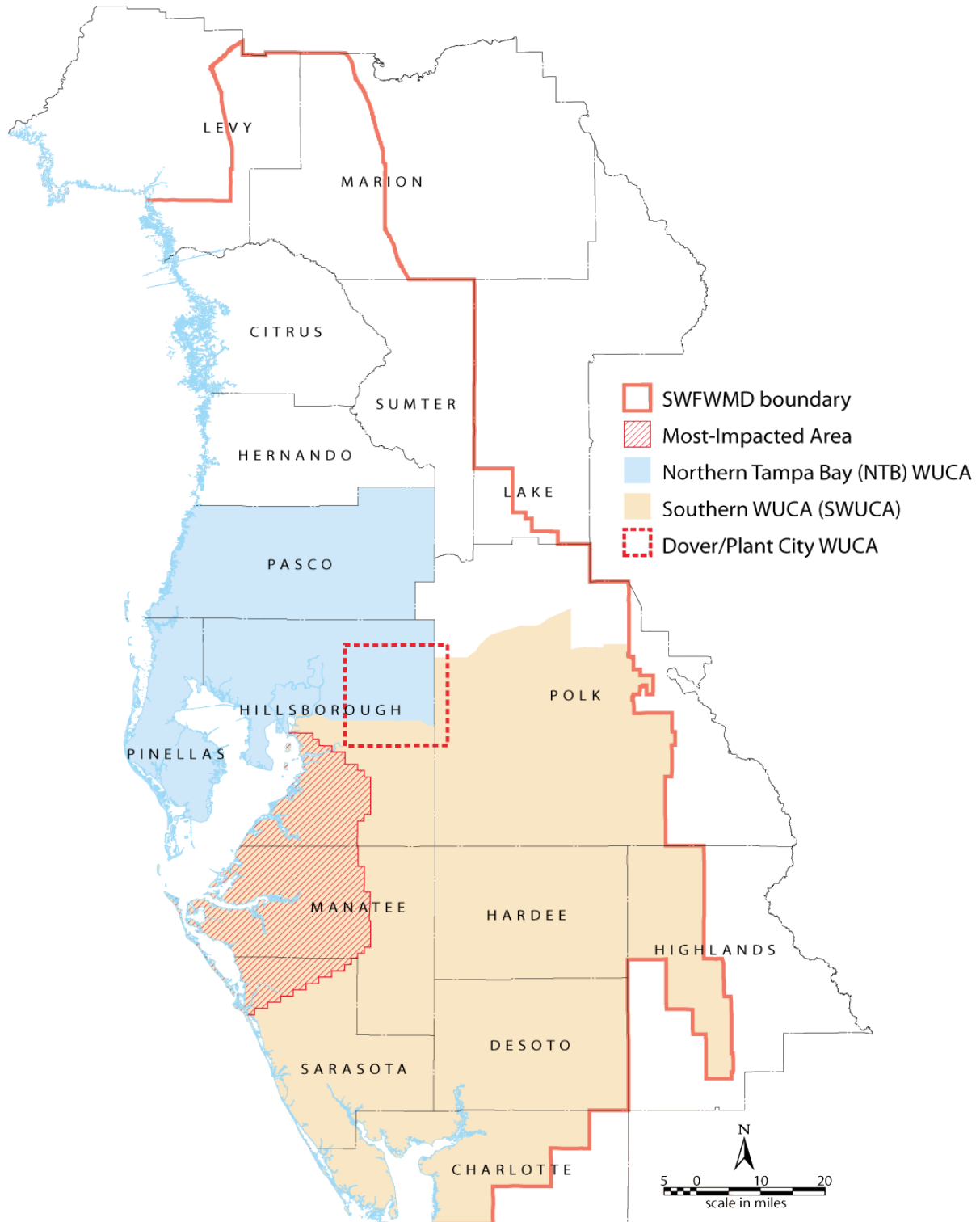
## **HISTORY OF SWFWMD ESTIMATED WATER USE REPORTS**

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 from a growing number of WUPs that were required to report their metered withdrawals on a monthly basis. The water use categories have been refined from those used in 1993 and earlier reports. Due to substantial changes in methodology, it is not recommended to create multi-year charts and graphs that combine the pre- and post- 1994 water use totals.

## **ESTIMATION PROCESS**

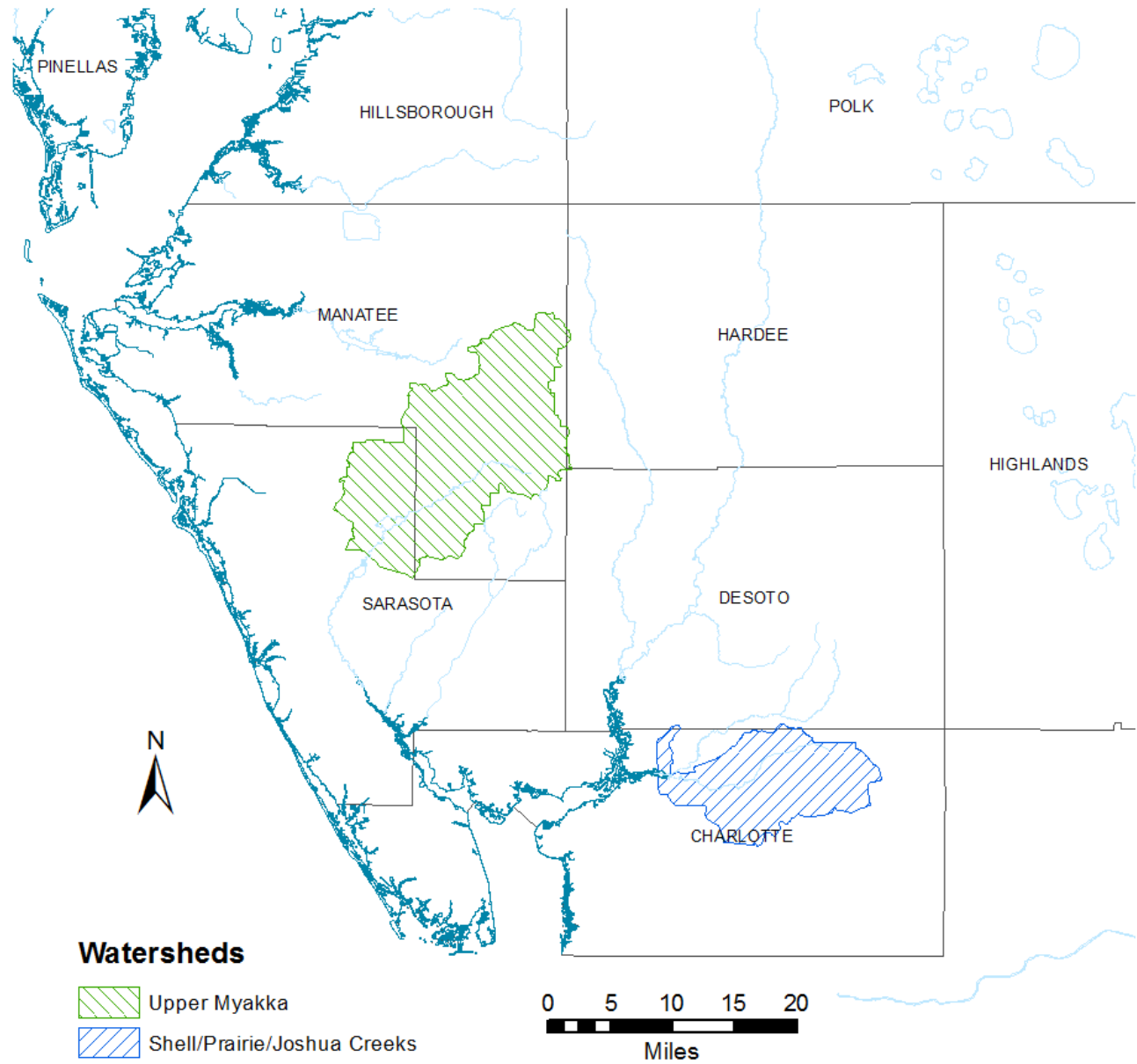
The water use data in this report was primarily derived from WUP-reported withdrawals in the District's Water Management Information System (WMIS) database. Empirical water quantities are acquired from metered withdrawal points. Ratio-based estimates (withdrawn/permitted quantities) are applied to unmetered withdrawal points. About 86 percent of the water quantities described in this report were sourced from metered withdrawals. Since the total water use contains an element of estimation, this report is collectively known as the "Estimated Water Use Report." Tables 1, 8, 11, and 12 present the metered withdrawals separately from the estimated withdrawals.

# 2018 ESTIMATED WATER USE REPORT



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

# 2018 ESTIMATED WATER USE REPORT



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

## **2018 ESTIMATED WATER USE REPORT**

All quantities are reported as an annual average daily rate using 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.

The EWU Report includes population data related to public supply and domestic self-supply water use. The public supply population is primarily based on data reported by permittees in the Public Supply Annual Reports (PSARs), which are submitted by April of the following year. If the PSAR population is not reported or questionable, a utility’s population may be supplemented with BEBR-based functional population data. The domestic self-supply population is based on US Census data for parcels not served by public supply utilities.

### **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 spatial distribution of active, regulated groundwater wells within the District, by tiered permitted quantity and predominant use types. There are many specific water uses within each of the seven predominant use categories, such as citrus, pasture, and vegetable irrigation in the agricultural water use category. Sections of this report are dedicated to each predominant use category and summarize the specific uses.

The domestic self-supply use is not regulated by the District 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 the report that focus on withdrawals from regulated sources only (Tables 10, 11, 12, and Appendices B & C).

The institutional and “other” uses were introduced in 2014 following the creation of

these categories in Florida Administrative Code 40D-2.501 as part of a statewide consumptive use consistency effort.

### **MEASURING WATER USE**

The ability to collect and keep accurate meter records on water used is tremendously important to the District’s mission of managing the limited water resources of the District. 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 the data and reports required under the terms of their WUPs. Maintaining accurate records is also of high value to the permittees. Permittees typically submit meter readings and other data electronically via the District’s website but may also submit by mail. The regulatory compliance evaluations of WUPs are conducted independently of this report.

*Metered Water Use:* Originally, the District only required metering for WUPs permitted for 500,000 gallons per day (gpd) or more on an annual average basis. 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 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.

*Estimated Water Use:* Since the 1992 EWU report, non-metered water withdrawals have been estimated by ratio calculations of withdrawn/permitted quantities on similar metered wells or intakes. It’s assumed that unmetered withdrawal points use an amount proportional to metered withdrawal points of similar size and use type.

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## Groundwater Wells by Use and Permit Quantity (GPD)

### AGRICULTURAL

- 1 - 50,000
- 50,000 - 100,000
- 100,000 - 500,000
- 500,000 - 1,000,000
- 1,000,000 - 6,000,000

### INDUSTRIAL AND COMMERCIAL

- 1 - 50,000
- 50,000 - 100,000
- 100,000 - 500,000
- 500,000 - 1,000,000
- 1,000,000 - 6,000,000

### LANDSCAPE/RECREATION

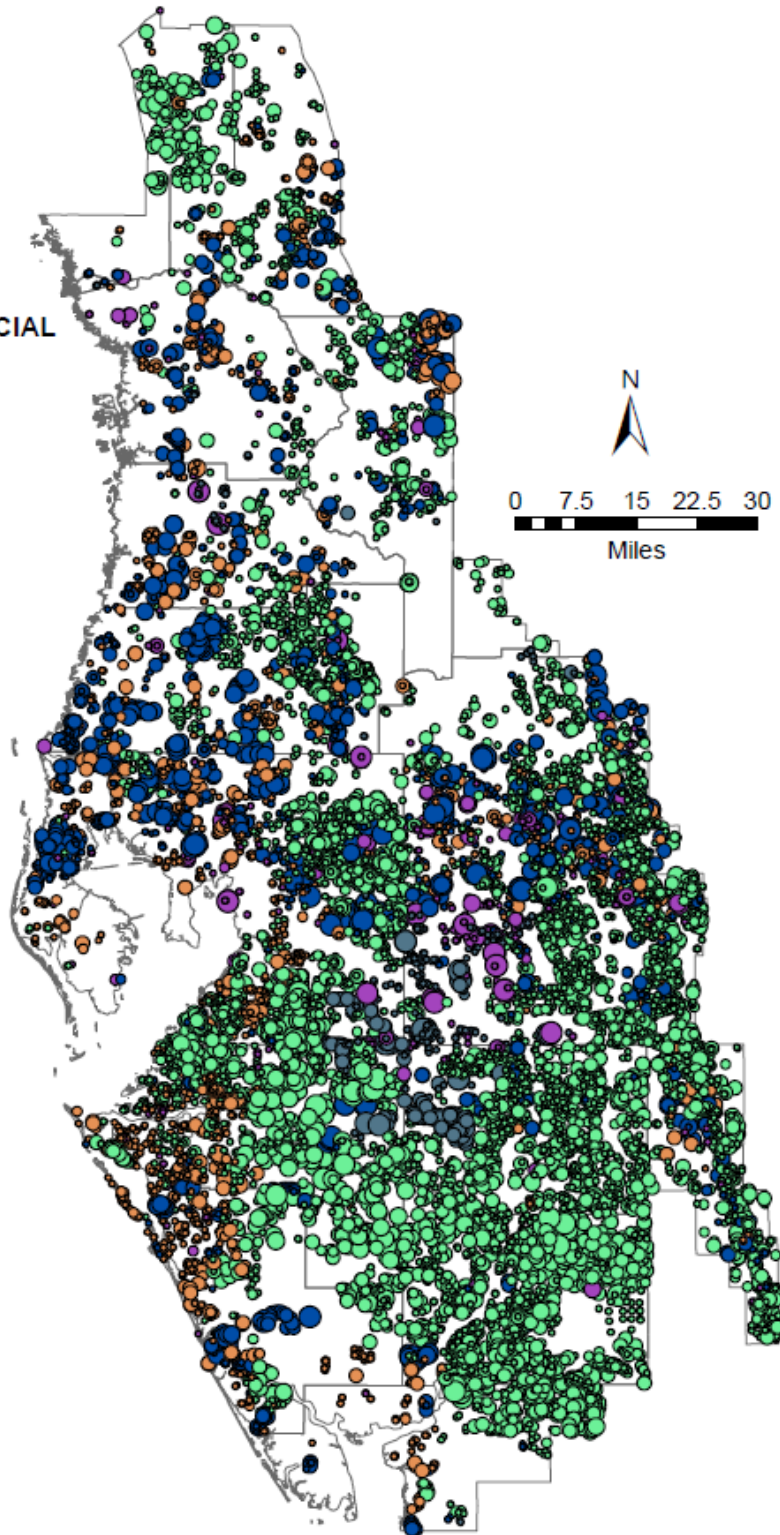
- 1 - 50,000
- 50,000 - 100,000
- 100,000 - 500,000
- 500,000 - 1,000,000
- 1,000,000 - 6,000,000

### MINING/DEWATERING

- 1 - 50,000
- 50,000 - 100,000
- 100,000 - 500,000
- 500,000 - 1,000,000
- 1,000,000 - 6,000,000

### PUBLIC SUPPLY

- 1 - 50,000
- 50,000 - 100,000
- 100,000 - 500,000
- 500,000 - 1,000,000
- 1,000,000 - 6,000,000



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



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The ratios of withdrawn/permitted quantities on metered withdrawals are analyzed by month, use type, and size tier and are then applied as multipliers to permit quantities on all non-metered withdrawal points. Multiple size tiers are used because the smaller WUP allocations are usually withdrawn in amounts closer to the permitted quantity than larger WUP allocations. Monthly calculations are made because the EWU data is later applied to hydrologic modeling. A detailed explanation of the methodology is provided in Appendix F.

Most of the unmetered WUPs are issued for less than 100,000 gpd on an annual average basis. Many small wells or surface withdrawals are still metered for WUPs that have several small withdrawal points, or to monitor potential environmental or resource impacts. These sources create proportional metered data that benefit the estimation process.

*Augmentation and Repumped Water Quantities:* Water withdrawals are metered and reported for numerous reasons. Withdrawals from natural resources that are sent directly to the end use are called “production pumpage.” Non-public supply withdrawals from natural resources that are sent to irrigation ponds or similar storage areas 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. Quantities repumped from storage ponds are excluded because they are not directly withdrawn from natural water resources, may have been previously counted as augmentation, and/or may be blended with alternative sources such as reclaimed water or captured stormwater. Agricultural crop irrigation estimates derived from this report should consider that permittees may have used alternative supplies or tailwater captured in ponds that reduced the need to withdrawal from natural resources.

*Reclaimed Water and Stormwater:* Reclaimed water use is not quantified in this report, except for deductions to calculate 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.

In most cases, captured stormwater use isn’t included in this report. Exceptions were made for a few public supply utilities that quantify and report stormwater use in their PSARs.

*Mitigation Pumpage:* Environmental mitigation pumpage of groundwater to surface water bodies is included in this report on a case-by-case basis. In some cases, pumpage from a shallow well is 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 will be categorized as the “other” use type.

*Alternative Water Supply Requirements:* Florida Statutes allow the District to require the use of alternative water supplies in place of natural water resources when reclaimed water is available, an alternative source is feasible, and the water has the quality and reliability necessary for the use. For WUPs where an alternative source is the primary supply, there may be a permitted “standby” quantity of groundwater or surface water that can be pumped if the alternative supply 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 using alternative supplies.

### **CAVEATS FOR WATER USE ESTIMATIONS**

Some water withdrawals occurring in the District 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 wells that are less than 6 inches in diameter and/or from surface water withdrawal pipes that are 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 wells are greater than 6 inches and the wells were constructed after April 11, 1994.

Domestic self-supply wells, the common water source for rural households, are typically 4 inches in diameter and fall into the “non-regulated” category. This report contains estimates for domestic self-supply use at residences outside of utility service areas. The domestic self-supply estimation does not account for additional water

## **2018 ESTIMATED WATER USE REPORT**

uses such as rural small businesses or garden irrigation at ranchette properties. The domestic self-supply estimate also does not account for self-supplied residential lawn irrigation wells within public supply utility service areas.

*Meter reporting errors:* This report was compiled by analyzing approximately 314,000 monthly and daily pumpage/meter readings received by the District from permittees. Some reporting errors are inevitable. Obvious errors such as misplaced decimals, wrong well entries, or uncorrected meter rollovers are fixed when found.

Discrepancies between PSAR-reported annual average withdrawals and monthly meter readings are reconciled. 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 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 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 the 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.

### **PROCESSING DATA BY WATER USE TYPE**

The District uses over 300 detailed water use codes to identify specific activities. Permit and withdrawal quantities are scaled and grouped by specific use codes, which may create discrepancies from WMIS data. Some use codes are excluded because they represent non-resource withdrawals. Many large permittees

have multiple use codes for various uses and may have more than one use code per well. To prevent this report from becoming overly complicated, detailed uses are grouped by general similarities for the tables. WUPs with more than one predominant use have their withdrawals appropriated to each category.

### **TERMINOLOGY: "USE" VERSUS "WITHDRAWAL"**

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 desalination systems),
- Transmission system losses.

This report relies on the utility PSARs to calculate the difference between public supply withdrawal and use, and to quantify the imports, exports, and water losses. Withdrawals by small, non-metered utilities (and other permittees with a small public supply allocation) are assumed to be used where they are withdrawn.

### **SNAPSHOT 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 and are difficult to retrace. This report relies on "snapshots" of permit and pumpage data from the WMIS database. The permit and pumpage snapshots are taken on separate dates.

*Permit Data:* A snapshot of 2018 permit data was taken on December 31st, 2018 to save the end-of-year 2018 WUP conditions. The snapshot captured attributes of every active WUP and archived approximately 433mb of permit data from WMIS. The permit snapshot data for the EWU Report includes:



## **2018 ESTIMATED WATER USE REPORT**

- 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, as withdrawal quantities are more easily isolated in time. The permittees have a few weeks after the new year to upload their late-year pumpage. District staff have time to capture tardy submissions and to identify and correct errors. Staff also take time to review the permit snapshot data that defines which withdrawals should be queried for the report. The final 2018 pumpage snapshot for this report was taken on October 3rd, 2019.

### **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 how much of the permit total is for 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 (new for 2018) the FARMS Priority Watersheds of the Upper Myakka River and Shell Creek. The withdrawal quantities are separated by surface water only and groundwater only.

*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.

*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.

## **2018 ESTIMATED WATER USE REPORT**

**PUBLIC SUPPLY**  
**WITHDRAWALS = 551.9 MGD**  
**USE = 518.8 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 2018, average withdrawals in the District for public supply totaled 551.9 mgd. This total includes 333.2 mgd of groundwater, 214.0 mgd of surface water, and 4.7 mgd of desalinated seawater. The withdrawals decreased from 566.2 mgd in 2017 but are above the ten-year average of 524.7 mgd.

After imports, exports, storage, and distribution losses were accounted for, the total gross public supply water use was 518.8 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. For large utilities, some specific uses within the public supply category 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 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 2018 PSARs provided by large water utilities, metered withdrawals from the WMIS database for other permittees that have a public supply allocation, and District-estimated withdrawals for small public supply WUPs (having allocations less than 100,000 gpd). In 2018, there were 352 active

WUPs that included a public supply use. There were 140 WUPs with PSAR reporting conditions. Twelve 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: approximately 69 percent was delivered for residential uses, 19 percent was 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 12 utility-served golf communities whose PSAR-reported withdrawals included golf course irrigation that are categorized in the landscape/recreation category of this report. To avoid double-counting, those quantities are deducted from the Table 1 column “PSAR metered withdrawals.” Details are footnoted on the table.

There were 5.9 mgd of metered withdrawals by 47 WUPs that were not required to submit a PSAR. These WUPs have permitted uses including augmentation of water bodies impacted by public supply, personal sanitary use at farms and institutions, small golf communities, and 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 177 small, unmetered public supply permittees with estimated withdrawals totaling 4.4 mgd. Approximately 82 percent of these withdrawals were for residential uses, 8 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 518.8 mgd was 94 percent of the withdrawal total. The 20-year

## **2018 ESTIMATED WATER USE REPORT**

average percentage of public supply water used/withdrawn is 95 percent, with the lowest being 88 percent in 2006 and the highest being 105 percent in 2008. This high 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 74 percent of its public supply from either Pasco or Hillsborough County. Retail utilities in DeSoto County used just 1.5 mgd, but 27.4 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 2018, groundwater provided 60 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 2018, the annual average water withdrawn from the Consolidated Wellfield WUP was 82.2 mgd, with 40.7 mgd from wells in Pasco, 33.0 mgd from Hillsborough, and 8.5 mgd from Pinellas. The withdrawals are divided by county for this report and categorized as an import to Tampa Bay Water's regional system because the water may be blended with other sources before it's exported to member utilities.

Surface water accounted for 39 percent (214.0 mgd) of public supply water withdrawals in 2018. Most surface water withdrawals for public supply occur at large-scale water treatment facilities

located in Hillsborough County (138.1 mgd), DeSoto County (29.7 mgd), and Manatee County (24.5 mgd). The Villages community in Sumter County utilized an estimated 7.7 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 Hillsborough and Alafia rivers, as well as the Tampa Bypass Canal. 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 14.35 billion gallons at the beginning of January 2018 and held 15.02 billion gallons at the end of the year. Notwithstanding evaporation and seepage losses, the net change of storage (670 million gallons) equates to approximately 1.8 mgd (annual average) of the difference between the public supply withdrawal and gross use quantities.

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 water for 157 days at a typical rate of 11.3 mgd, which equates to an annual average production of 4.7 mgd in 2018. 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 totals that specifically quantify surface water and groundwater quantities. 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 increased by 1.26 billion

## **2018 ESTIMATED WATER USE REPORT**

gallons over the year. Notwithstanding evaporation and seepage losses, the net change equates to approximately 3.5 mgd (annual average) of the difference 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 capitās. A ten-year history of utilities’ unadjusted gross and compliance per capitās are provided in Appendix D, and a “residential” per capita is provided in Table A-2. The District also prepares “uniform” gross and residential per capitās for the DEP using a consistent statewide methodology. The DEP uniform per capitās are available in Appendix E. 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 2018, the Districtwide UGPC was 96 gpcd.

The UGPC calculation can be proportionately high for some utilities due to various reasons. Utilities may serve industrial/commercial customers unrelated to population, such as a 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 due to irrigation of larger lawns. New developments may have initially high UGPCs as new landscaping is established and housing units aren’t fully occupied. Retirement communities with a below-average number of persons per dwelling may also show a high UGPC rate.

A low UGPC rate is common in communities with high water prices, as well as for utilities estimating their population by dwelling unit. The dwelling unit method multiplies number of units in a utility’s service area by an average persons-per-household, which sometimes over-estimates the population by assuming year-round residency for 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 2018, 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 2018, as rainfall was above 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 2018, the Districtwide average CPC was 90 gpcd.

## **2018 ESTIMATED WATER USE REPORT**

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 withdrawals. 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 provided 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 requires 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 2018, the number was down to eight utilities. Six utilities have a five-year average CPC over 150 gpcd.

*RESIDENTIAL PER CAPITA:* The residential per capita (RPC) rate is a useful statistic for analyzing home water use only. It's not utilized for regulatory purposes. The RPC is similar to the AGPC in that it deducts non-residential uses; however, formal documentation is not necessary. The RPC represents water used only at single-family, multi-family, and mobile home residences according to the utility's billing detail. The Districtwide average RPC rate was 67 gpcd in 2018. 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, 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 2018, the Districtwide DEP uniform gross per capita was 99 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 227 mgd was transferred among utilities and water authorities within the District in 2018.

### **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 4. Districtwide average rainfall in 2018 was 60.2 inches, which was 7.4 inches more than the historic average. Surface water sources were abundant throughout the year, and irrigation demands decreased. The monthly withdrawal source data for Figure 4 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 40.9 mgd, which is 8 percent from the unweighted mean average.

**PUBLIC SUPPLY IN WATER USE CAUTION AREAS**  
WUCA-specific withdrawal quantities are provided in Appendix B.

In the SWUCA, 229.3 mgd of water was withdrawn for public supply, of which 146.0 mgd was withdrawn from groundwater (Table B-2). Surface water withdrawals for public supply at multiple facilities in the SWUCA totaled 83.4 mgd. Polk County had the most public supply use in the SWUCA at 67.0 mgd.

## **2018 ESTIMATED WATER USE REPORT**

In the MIA within the SWUCA (Table B-3), 56.5 mgd of water was withdrawn for public supply, of which 30.8 mgd was from surface water sources.

In the NTB WUCA, 248.6 mgd was withdrawn for public supply, of which 125.7 mgd was from groundwater (Table B-4). Surface water withdrawals in the NTB WUCA were 122.9 mgd, almost entirely from Hillsborough County.

In the DPC WUCA (Table B-5), 23.8 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 WUCA.

### **PUBLIC SUPPLY PERMITTED QUANTITIES**

The total permitted quantities allocated by the District for public supply were 774.2 mgd (annual average), of which 480.8 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 year on December 31, 2018.

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 (333.2 mgd) to the permitted groundwater quantity (480.8 mgd) shows that 69 percent of the permitted groundwater sources were withdrawn in 2018.

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.

## 2018 ESTIMATED WATER USE REPORT

**Table 1. Summary of Metered and Estimated Public Supply Water Withdrawals and Water Use (mgd), 2018**

County	PSAR Metered Water Withdrawals (mgd)	PSAR Imported Water (mgd)	PSAR Exported Water (mgd)	PSAR Treatment Losses (mgd)	PSAR Gross Water Use <sup>1</sup> (mgd)	Non-PSAR Metered Water Withdrawals & Use <sup>2</sup> (mgd)	Non-PSAR Estimated Water Withdrawals & Use <sup>3</sup> (mgd)	Total Public Supply Withdrawals (mgd) <sup>4</sup>	Ground-water	Surface Water	Total Public Supply Gross Water Use (mgd) <sup>5</sup>
<b>*Charlotte</b>	7.905	10.662	0.592	1.116	16.859	0	0.022	<b>7.927</b>	2.404	5.523	<b>16.881</b>
<b>Citrus</b>	13.552	0.332	0.374	0.171	13.339	0.182	0.431	<b>14.165</b>	14.165	0	<b>13.952</b>
<b>DeSoto</b>	30.421	0.803	27.670	2.017	1.537	0	0.008	<b>30.429</b>	3.714	26.715	<b>1.545</b>
<b>Hardee</b>	1.166	0	0	0.016	1.150	0.269	0.066	<b>1.501</b>	1.501	0	<b>1.485</b>
<b>Hernando</b>	19.253	0	0	0.193	19.060	0	0.121	<b>19.374</b>	19.374	0	<b>19.181</b>
<b>*Highlands</b>	8.054	0	0	0.329	7.725	0.129	0.135	<b>8.318</b>	8.313	0.005	<b>7.989</b>
<b>Hillsborough<sup>6,7,8</sup></b>	213.352	62.892	124.144	10.430	141.670	4.202	0.589	<b>218.143</b>	72.175	141.258	<b>146.461</b>
<b>*Lake</b>	0	0	0	0	0	0	0	<b>0</b>	0	0	<b>0</b>
<b>*Levy</b>	0.800	0	0	0.090	0.710	0.083	0	<b>0.883</b>	0.883	0	<b>0.793</b>
<b>Manatee</b>	45.898	5.063	8.234	2.421	40.306	0.013	0.006	<b>45.917</b>	15.113	30.804	<b>40.325</b>
<b>*Marion</b>	10.140	0	0	0.085	10.055	0.063	0.261	<b>10.464</b>	10.464	0	<b>10.379</b>
<b>Pasco</b>	53.990	33.643	43.467	0.555	43.611	0.556	1.210	<b>55.756</b>	55.513	0.243	<b>45.377</b>
<b>Pinellas</b>	26.992	87.965	20.024	4.618	90.315	0.042	0.067	<b>27.101</b>	27.101	0	<b>90.424</b>
<b>*Polk<sup>7,8</sup></b>	66.154	2.432	0.488	0.896	67.202	0.268	1.216	<b>67.638</b>	67.638	0	<b>68.686</b>
<b>Sarasota<sup>7</sup></b>	22.310	17.989	0.878	5.939	33.482	0	0.101	<b>22.411</b>	20.668	1.743	<b>33.583</b>
<b>Sumter<sup>7,9</sup></b>	21.697	0	0	0.192	21.505	0.060	0.156	<b>21.913</b>	14.216	7.697	<b>21.721</b>
<b>District Totals</b>	<b>541.684</b>	<b>221.781</b>	<b>225.871</b>	<b>29.068</b>	<b>508.526</b>	<b>5.867</b>	<b>4.389</b>	<b>551.940</b>	<b>333.242</b>	<b>213.988</b>	<b>518.782</b>

Data Sources: 2018 Public Supply Annual Reports & 2018 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 4.710 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 13 golf resorts with mixed-use permit quantities. The deductions are -0.174 in Hillsborough, -0.817 mgd in Polk, -0.185 mgd in Sarasota, and -0.903 mgd in Sumter counties.

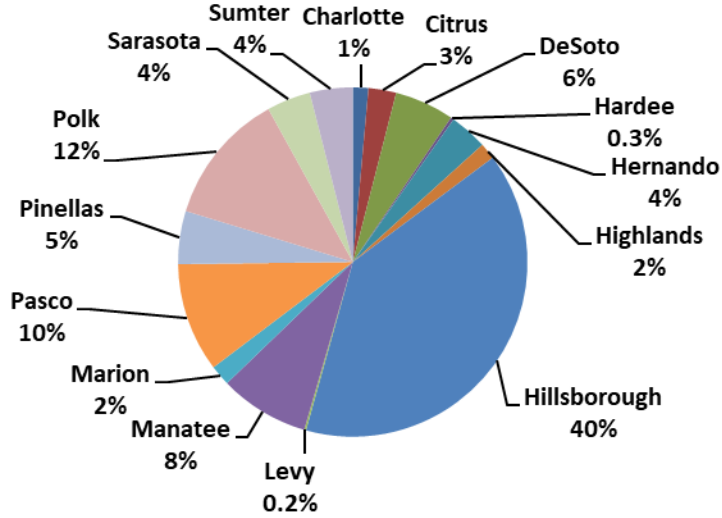
8 The countywide PSAR metered withdrawal was adjusted from totals shown in Appendix A, Table-A to correct for "water year" (Oct-Sept) data reported by the City of Tampa WUP 2062 (-0.476 mgd).

9 The Total PSAR Withdrawal for Sumter County includes 7.697 mgd of stormwater captured and used by The Villages.



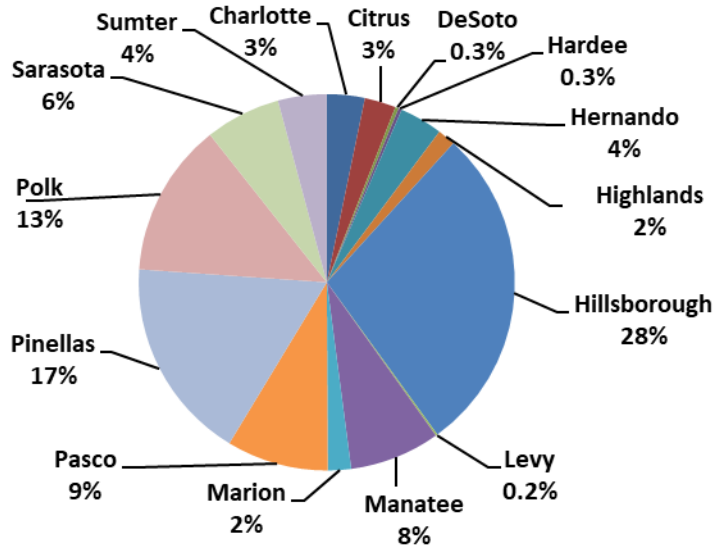
# 2018 ESTIMATED WATER USE REPORT

## Percent of Public Supply Withdrawals By County



**Total Withdrawals = 551.9 mgd** (PSAR, non-PSAR metered, and estimated)  
 Calculation includes only District portion of counties.

## Percent of Public Supply Use By County

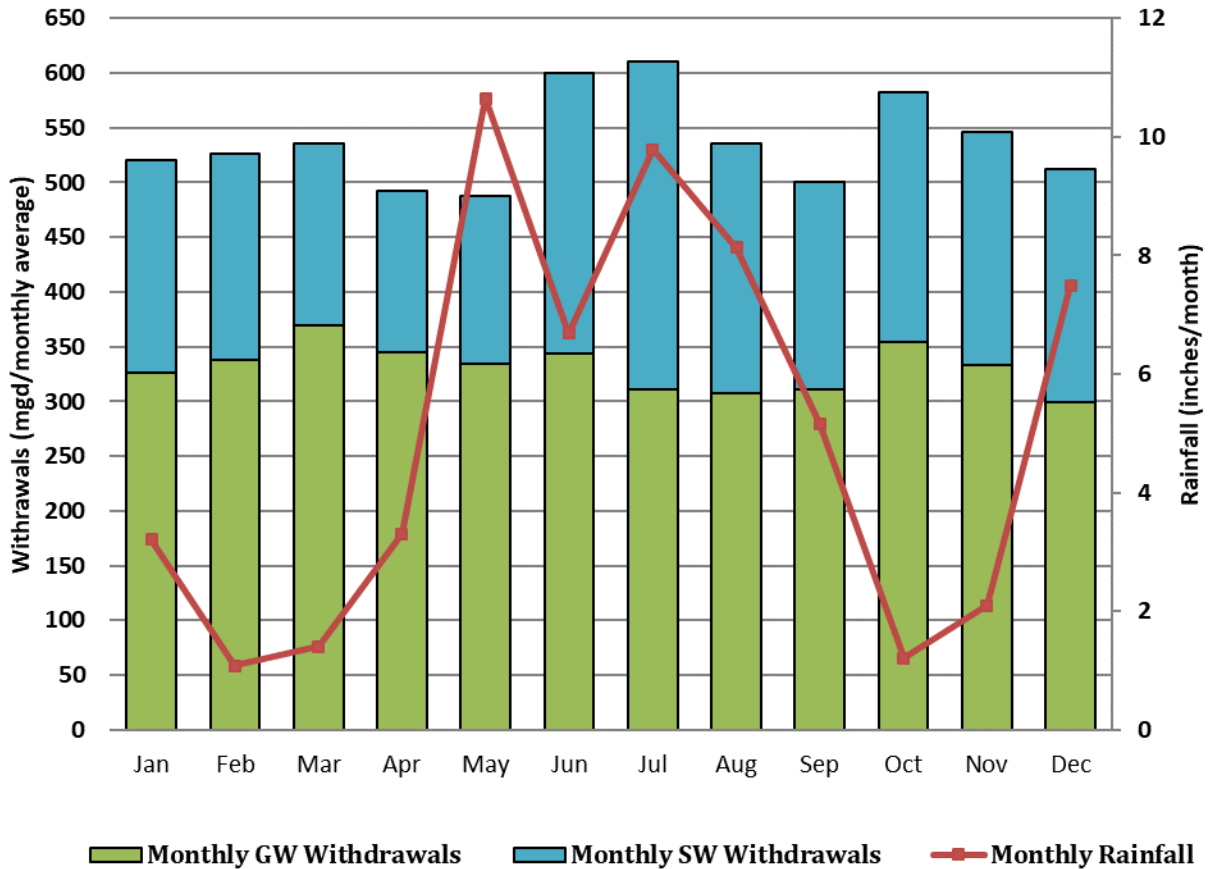


**Total Use = 518.8 mgd** (Table 1, Un-adjusted Gross Water Use)  
 Calculation includes only District portion of counties.

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

# 2018 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), 2018**  
 (Data Sources: Appendix A, Table A-4 and District rainfall data)

## **2018 ESTIMATED WATER USE REPORT**

### **DOMESTIC SELF-SUPPLY WITHDRAWAL/USE = 34.8 MGD**

For 2018, an estimated 34.8 mgd of water was used for domestic self-supply within the District. This estimate is a decrease from the 36.7 mgd calculated for domestic self-supply in 2017. The water users included in this category are generally rural residents that use private, domestic wells for potable supply.

#### **GENERAL INFORMATION**

The domestic self-supply category includes the potable water withdrawn from privately-owned wells, typically at rural family residences. These 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; 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; therefore, the majority of the water used is recharged on-site to the local shallow 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's no representative public supply use in the District portion of the 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 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 capita assumes 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 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 for lawn irrigation only. 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 included in these domestic self-supply estimates or in other categories of the EWU Report. Estimates of additional lawn irrigation have been calculated in 5-year increments for the District's Regional Water Supply Plan; see the *2015 Regional Water Supply Plan (Appendix 3-3), Public Water Supply Demand Projections, Table 23, Residential Irrigation Well Data:*

[https://www.swfwmd.state.fl.us/sites/default/files/medias/documents/2015\\_RWSP\\_Appendix\\_3\\_3\\_PS\\_TechMemo\\_111715\[1\].pdf](https://www.swfwmd.state.fl.us/sites/default/files/medias/documents/2015_RWSP_Appendix_3_3_PS_TechMemo_111715[1].pdf)

## 2018 ESTIMATED WATER USE REPORT

**Table 2. Summary of Domestic Self-Supply Water Use by County, 2018**

County	GIS-Based Calculated Self-Supply Population <sup>1</sup>	Average Residential Per Capita Use <sup>2</sup> (gpd/person)	Estimated Domestic Self-Supply Water Use <sup>3</sup> (mgd)
*Charlotte	5,840	64	0.374
Citrus	46,256	86	3.978
DeSoto	18,859	40	0.754
Hardee	11,118	42	0.467
Hernando	36,483	85	3.101
*Highlands	12,490	66	0.824
Hillsborough	123,870	72	8.919
*Lake <sup>4</sup>	1,193	67	0.080
*Levy	14,543	53	0.771
Manatee	10,940	61	0.667
*Marion	35,791	113	4.044
Pasco	70,925	69	4.894
Pinellas	4,718	50	0.236
*Polk	25,927	75	1.945
Sarasota	31,089	52	1.617
Sumter	15,062	142	2.139
<b>District Totals</b>	<b>465,104</b>	<b>67</b>	<b>34.810</b>

Data sources: District GIS data and Appendix A.

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

<sup>1</sup> 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.

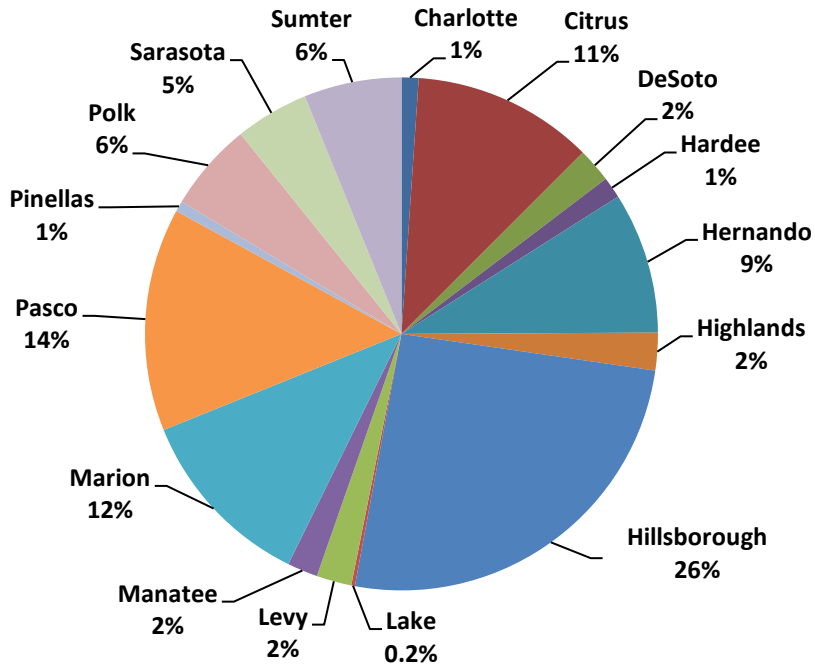
<sup>2</sup> "Residential Per Capita," is from Table A-2 in Appendix A and is based on PSAR-reported residential water use submitted by utilities.

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

<sup>4</sup> The Districtwide residential per capita value of 67 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.

# 2018 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, 2018**

(Data source: Table 2)

## **2018 ESTIMATED WATER USE REPORT**

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## **2018 ESTIMATED WATER USE REPORT**

### **LANDSCAPE/RECREATION WITHDRAWAL/USE = 57.2 MGD**

Landscape/recreation water withdrawals were 57.2 mgd within the District in 2018. This quantity is down from 61.7 mgd in 2017 and below the ten-year average of 60.4 mgd.

#### **GENERAL INFORMATION**

The landscape/recreation water use category is synonymous with the “recreation/aesthetic” category in the 2013 and earlier EWU Reports. The category name was changed in 2014 as part of statewide permitting consistency efforts.

Approximately 91 percent of the use in this category is for irrigation purposes including golf courses, large landscapes, botanical gardens, cemeteries, parks, sports playing fields, and municipal common areas. Non-irrigation uses include public restrooms and facilities, aesthetic water fountains, and water-based recreation.

The quantified water uses 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 more alternative supplies are available. Reclaimed water is used on more than half the golf courses within the District. Additional information on reclaimed water is available at: <https://www.swfwmd.state.fl.us/residents/water-conservation/reclaimed-water>.

*Multi-Use WUPs:* There were 241 WUPs in 2018 that had use type allocations for more than one predominant use category. The majority of the multi-use WUPs include a landscape/recreation allocation. If most of the permitted use is for irrigation, the WUP’s predominant use is categorized as landscape/recreation even if the permittee’s business practice may fit another category. WUPs with other predominant uses

and a minority of lawn and landscape uses will have their shares tallied in this chapter.

*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, 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 these areas with any water left over from the amount permitted for the playing areas. These restrictions apply to both water from natural resources and alternative water supplies, unless excess disposal of reclaimed water is needed.

#### **2018 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 28.6 mgd, or 50 percent of the total withdrawals for this category.
- Lawn and landscape irrigation use was 18.5 mgd, or 32 percent, and includes 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,



## **2018 ESTIMATED WATER USE REPORT**

cemeteries, parks and playgrounds, and botanical gardens.

The augmentation group (2.6 mgd) is for water used to maintain surface water body levels for both aesthetic purposes and environmental mitigation related to landscape/recreation withdrawals.

Animals & aquariums (2.5 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 “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 6 shows the percentage of use for each county. Hillsborough County had the most use at 9.0 mgd.

### **GROUNDWATER & SURFACE WATER**

In 2018, groundwater provided 92 percent (52.7 mgd) of the landscape/recreation water supply withdrawn in the District. Surface water use was 4.4 mgd. Charlotte, Pinellas, and Sarasota counties used the most surface water for landscape/recreation. The surface water quantity reflects only withdrawals from natural resources; metered water use from irrigation ponds that 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. The correlation is supported in 2018 by reduced withdrawals during an abnormally wet December. The standard deviation of monthly withdrawals was 14.2 mgd, which is 25 percent from the mean average.

### **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 annual average quantities withdrawn per use category by water source (groundwater and surface water) for each county and WUCA. In the SWUCA, the landscape/irrigation water use totaled 31.8 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 2018 was 120.4 mgd. Approximately 47 percent of the quantities permitted Districtwide for landscape/recreation supply were utilized.

## 2018 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, 2018**

County	Irrigation: Golf Course Play Areas	Irrigation: Lawn & Landscape	Irrigation: Sports Fields, Cemeteries, Parks, etc.	Augmentation <sup>1</sup>	Animals & Aquariums	Commercial, Restrooms, Sanitary, Other Uses <sup>2</sup>	Water Parks & Recreation <sup>3</sup>	Total	Total Ground-water	Total Surface Water
*Charlotte	0.998	0.357	0.068	0	0	0.002	0.268	<b>1.693</b>	0.716	0.977
Citrus	2.730	0.168	0.053	0.003	0	0.001	0.015	<b>2.970</b>	2.858	0.112
Desoto	0.041	0.032	0	0	0.001	0.023	0	<b>0.097</b>	0.097	0
Hardee	0.094	0.024	0	0.004	0	0	0	<b>0.122</b>	0.122	0
Hernando	1.900	0.645	0.159	0	0	0.027	0	<b>2.731</b>	2.731	0
*Highlands	1.588	0.250	0.044	0	0	0	0	<b>1.882</b>	1.849	0.033
Hillsborough	2.456	2.117	2.435	0.276	1.695	0.024	0.021	<b>9.024</b>	8.948	0.076
*Lake	0	0	0	0	0	0	0	<b>0</b>	0	0
*Levy	0.089	0.007	0.026	0	0	0.004	0	<b>0.126</b>	0.126	0
Manatee	1.895	7.573	0.335	0	0	0.003	0	<b>9.806</b>	9.517	0.289
*Marion	1.894	0.354	0.097	0	0.028	0.027	0.001	<b>2.401</b>	2.401	0
Pasco	2.146	0.334	0.422	0.720	0.037	0.033	0	<b>3.692</b>	3.458	0.234
Pinellas	2.144	0.704	0.355	0	0	0.001	0.005	<b>3.209</b>	2.017	1.192
*Polk	5.074	0.999	0.817	1.550	0.051	0.012	0	<b>8.503</b>	8.287	0.216
Sarasota	3.737	4.425	0.232	0	0.023	0.013	0.019	<b>8.449</b>	7.163	1.286
Sumter	1.858	0.506	0.082	0	0	0.004	0	<b>2.450</b>	2.450	0
<b>District Total</b>	<b>28.644</b>	<b>18.495</b>	<b>5.125</b>	<b>2.553</b>	<b>1.835</b>	<b>0.174</b>	<b>0.329</b>	<b>57.155</b>	<b>52.740</b>	<b>4.415</b>
<b>% of Total</b>	<b>50%</b>	<b>32%</b>	<b>9%</b>	<b>4%</b>	<b>3%</b>	<b>0%</b>	<b>1%</b>	<b>100%</b>	<b>92%</b>	<b>8%</b>
<b>Groundwater Use</b>	<b>24.739</b>	<b>16.607</b>	<b>5.111</b>	<b>2.553</b>	<b>1.835</b>	<b>0.167</b>	<b>0.329</b>		<b>51.341</b>	
<b>Surface Water Use</b>	<b>3.905</b>	<b>1.888</b>	<b>0.014</b>	<b>0</b>	<b>0</b>	<b>0.007</b>	<b>0</b>			<b>5.814</b>

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

Data source: Estimated Water Use Tables derived from the WMIS database, 2018.

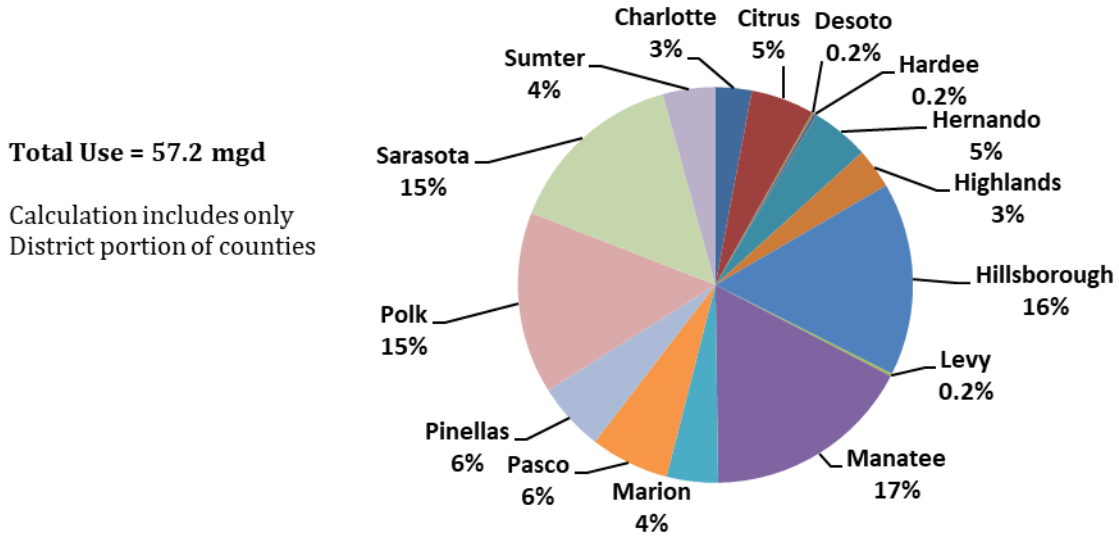
<sup>1</sup> Augmentation of surface water bodies for aesthetic or environmental purposes related to landscape/recreation uses.

<sup>2</sup> 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.

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

# 2018 ESTIMATED WATER USE REPORT

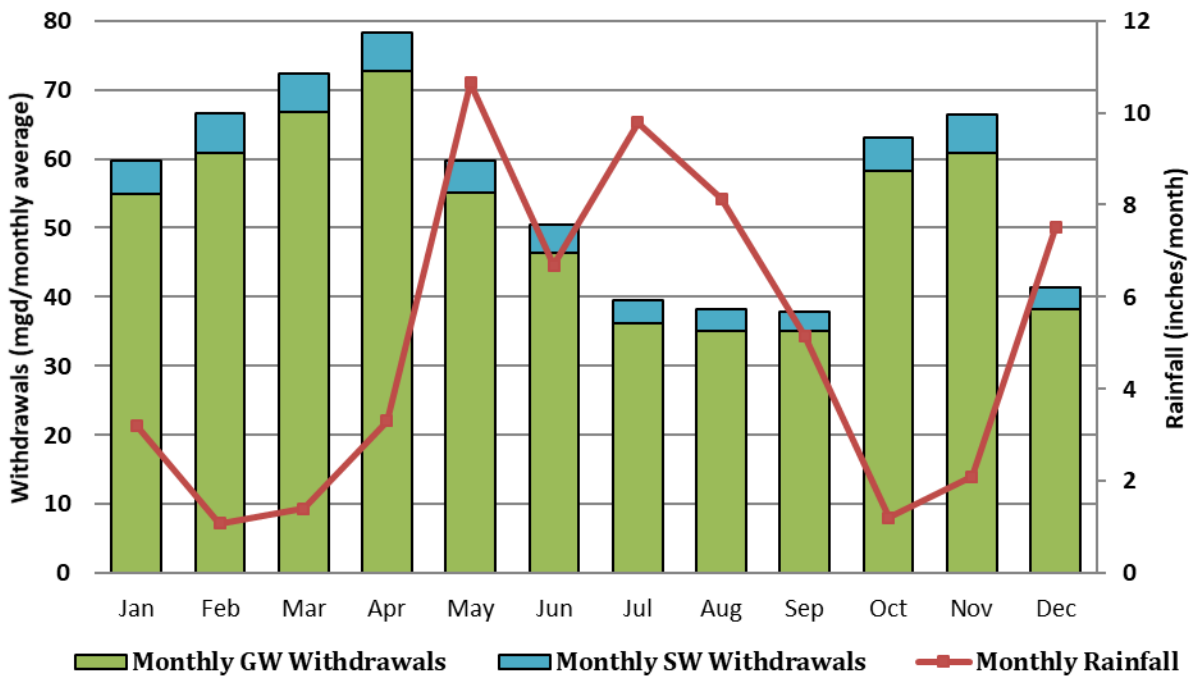
## Percent of Landscape/Recreation Use by County



**Figure 7. Percentage of Landscape/Recreation Water Use by County, 2018**

(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), 2018**

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

## **2018 ESTIMATED WATER USE REPORT**

### **AGRICULTURE WITHDRAWAL/USE = 355.0 MGD**

In 2018, the total agriculture water withdrawals in the District was 355.0 mgd, which is a 6 percent decrease from the 376.1 mgd withdrawn in 2017. 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 account for 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/3166>

#### **2018 DATA**

The Districtwide agricultural water use quantity of 355.0 mgd in 2018 is 10 percent below the ten-year average of 394.0 mgd. Year-to-year fluctuations of agricultural water use are common and are often more pronounced than with other predominant use categories. Withdrawals have been as low as 312 mgd in 2005 to as high as 708 mgd in 2000. Multiple reasons for this annual variability include effective rainfall, freeze protection events, and citrus disease which has prompted both high use and abandonment.

*Effective Rainfall:* The Districtwide annual rainfall in 2018 was 60.2 inches, which was above the historical annual mean average of 52.8 inches. The timing and spatial distribution of rainfall events can significantly influence irrigation use. The months of May and December were notably wetter than average, and every month in 2018 experienced at least one inch of rainfall. Figure 9 illustrates the monthly rainfall along with monthly averaged groundwater and surface water withdrawals. This figure demonstrates a pronounced inverse relationship between rainfall and agricultural irrigation water use. The standard deviation of monthly withdrawals was 185.9 mgd, which is 52 percent from the mean average.

*Freeze Protection:* Frost/freeze events typically last for a few days or hours, but the short-term water use for crop protection can significantly influence the annual average water use totals. Pumping for freeze protection of strawberries, citrus, blueberries, nurseries, and aquaculture

## **2018 ESTIMATED WATER USE REPORT**

can remove over 800 mgd from the aquifer during a single freeze event. During a record multi-day freeze event in January 2010, the intense freezes triggered over 1,200 mgd of protection pumpage. Such events can cause intense but temporary drawdown in the aquifer that can potentially impact neighboring water users. In 2018, the DPC WUCA experienced temperatures below 35 degrees F on seven separate nights in January. On the coldest night, January 18<sup>th</sup>, the temperature in Dover dropped to 25 degrees F. The associated one-day pumpage by agricultural WUPs in the DPC WUCA during this event was approximately 295 mgd.

*Citrus Disease:* Citrus groves across Florida have been impacted by the Huanglongbing virus, commonly referred to as citrus greening. Several citrus farmers over-pumped their permitted quantities in 2011 and 2012 because they hoped that intense watering could reduce the adverse effects of greening, a practice later proved ineffective by the Florida Institute of Food and Agricultural Sciences (IFAS). The ten-year average for citrus irrigation water use is 227.6 mgd, with a high of 289.1 mgd occurring in 2012. Citrus irrigation in 2018 was 195.1 mgd.

The current impacts of greening on water use are complex; water use may stop where infected trees are cleared, but water use may also increase where young new trees are being established or if the trees were replaced with more water-intensive crops. From 2012 to 2018, the number of WUPs permitted for citrus irrigation decreased from 4,073 to 3,473. Some of this reduction is attributable to consolidations of citrus farms. A small rebound in citrus production was reported in the 2018/19 season.

### **COUNTY AND CROP TYPES**

Table 4 summarizes water use by county and by agricultural use groups based on similarity of crop types. The District's agricultural groupings are similar to those used by the Florida Department of Agricultural and Consumer Services. Citrus remains the largest crop use in the District at approximately half of the total agricultural withdrawals. Tomatoes were the second largest crop, utilizing 41.0 mgd, followed by vegetables and strawberries. Figure 8 is a pie

chart showing the percentage of water used for agriculture by each county. The county with the most agricultural water use in 2018 was Polk County at 77.1 mgd.

### **GROUNDWATER & SURFACE WATER**

Groundwater was the source of 96 percent of the agricultural withdrawals (340.3 mgd) in 2018. Surface water resource withdrawals were 14.7 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 and specifies the demands on water resources.

Numerous farms within the District have implemented AWS and water reuse systems such as tailwater recovery ditches and ponds; therefore, actual crop irrigation rates may exceed the resource withdrawals reported herein. The additional unquantified water irrigation primarily occurs in the citrus and vegetable categories.

### **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 multiple crop types may be coded to a WUP.

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

Appendix B gives the annual average quantities withdrawn per use category and by water source (groundwater and surface water) per county. Multiple tables represent surface water and groundwater withdrawals in each WUCA. Table B-2 shows that 83 percent of all agricultural water use in the District occurred within the

## **2018 ESTIMATED WATER USE REPORT**

SWUCA. Agriculture accounted for 48 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 751.3 mgd was permitted for agriculture in the District, of which 714.9 mgd was for groundwater. The amount of groundwater permitted for agriculture Districtwide is 1.5 times the amount permitted for public supply. The withdrawn/permitted utilization ratio for agriculture was 47 percent in 2018.

*DPC WUCA:* As mentioned previously, the DPC WUCA was created in 2011 to address the adverse impacts to existing legal users of groundwater and off-site land use caused by high pumpage from the Upper Floridan aquifer for freeze protection of crops. 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 (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 17.4 mgd, nearly all from groundwater. Agricultural water use in the Shell Creek watershed was 10.0 mgd, of which 20 percent was from surface water resources.

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 their well is located outside the boundary.

## 2018 ESTIMATED WATER USE REPORT

**Table 4. 2018 Summary of Metered + Estimated Annual Average Agricultural Water Withdrawals (mgd) by County and Water Source by Use**

County	Blue- berry	Citrus	Field Crop <sup>1</sup>	Melon	Nursery	Pasture	Sod	Straw- berry	Tomato	Vegetable	Aqua- culture	Live- stock, Dairy	Other <sup>2</sup>	Total	Ground- water	Surface Water
<b>*Charlotte</b>	0	4.578	0	0.293	0.087	0.121	1.914	0	0.734	1.671	0	0.003	0	<b>9.401</b>	7.769	1.632
<b>Citrus</b>	0.262	0.149	0.699	0.138	0.106	0.098	0.021	0.195	0	0.061	0	0.003	0.024	<b>1.756</b>	1.709	0.047
<b>Desoto</b>	0.476	42.646	0.269	4.169	0.092	1.622	2.104	0.442	1.090	0.716	0.453	0.110	0.089	<b>54.278</b>	53.510	0.768
<b>Hardee</b>	2.205	28.236	0.885	1.222	1.288	1.346	0.722	0.707	0.681	0.397	0	0.464	0.168	<b>38.321</b>	37.466	0.855
<b>Hernando</b>	0.191	0.608	0.301	0	0.441	0.068	0	0	0	0.061	0	0.072	0.029	<b>1.771</b>	1.729	0.042
<b>*Highlands</b>	0.259	38.936	0.155	0.373	0.681	0.130	0.507	0	0	0	0	0.048	0.061	<b>41.150</b>	35.824	5.326
<b>Hillsborough</b>	1.356	2.658	0.452	3.568	3.969	0.431	1.034	17.608	6.261	6.677	2.983	0.065	0.334	<b>47.396</b>	44.506	2.890
<b>*Lake</b>	0.015	0.461	0.265	0.126	0	0.039	0	0	0	0	0.017	0.001	0	<b>0.924</b>	0.924	0
<b>*Levy</b>	0.082	0	4.502	1.070	1.527	0.253	0.432	0	0	0.048	0	0.001	0	<b>7.915</b>	7.915	0
<b>Manatee</b>	0.026	6.287	0.552	0.059	1.045	0.296	2.632	1.981	30.630	11.557	0.069	0.410	0.043	<b>55.587</b>	55.385	0.202
<b>*Marion</b>	0.017	0	1.635	0.635	0.580	0.043	0.006	0	0.002	0.562	0	0.033	0.245	<b>3.758</b>	3.758	0
<b>Pasco</b>	0.483	3.532	0.727	0.062	0.386	0.190	0.151	0.000	0	0.198	0	0.085	0.079	<b>5.893</b>	5.828	0.065
<b>Pinellas</b>	0	0	0	0	0	0	0	0	0	0	0	0	0.009	<b>0.009</b>	0.009	0
<b>*Polk</b>	4.553	66.572	0.838	0.057	1.200	0.775	0.868	0.474	0	0.110	0.955	0.072	0.638	<b>77.112</b>	74.351	2.761
<b>Sarasota</b>	0.008	0.360	0.037	0.058	0.087	0.056	0.461	0	1.541	0.099	0.003	0.049	0	<b>2.759</b>	2.642	0.117
<b>Sumter</b>	0.163	0.091	1.316	0.929	1.585	0.073	0.494	0	0.028	0.199	1.985	0.058	0.070	<b>6.991</b>	6.991	0
<b>-District-</b>	10.096	195.114	12.633	12.759	13.074	5.541	11.346	21.407	40.967	22.356	6.465	1.474	1.789	<b>355.021</b>	340.316	14.705
<b>% of Total</b>	3%	55%	4%	4%	4%	2%	3%	6%	12%	6%	2%	0%	1%	<b>100%</b>	96%	4%
<b>Groundwater</b>	9.142	186.345	12.633	11.874	12.280	5.478	10.739	19.662	40.628	21.843	6.430	1.474	1.788		340.316	
<b>Surface Water</b>	0.954	8.769	0.000	0.885	0.794	0.063	0.607	1.745	0.339	0.513	0.035	0.000	0.001			14.705

Data source: Estimated Water Use Tables derived from the WMIS database, Calendar Year 2018.

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

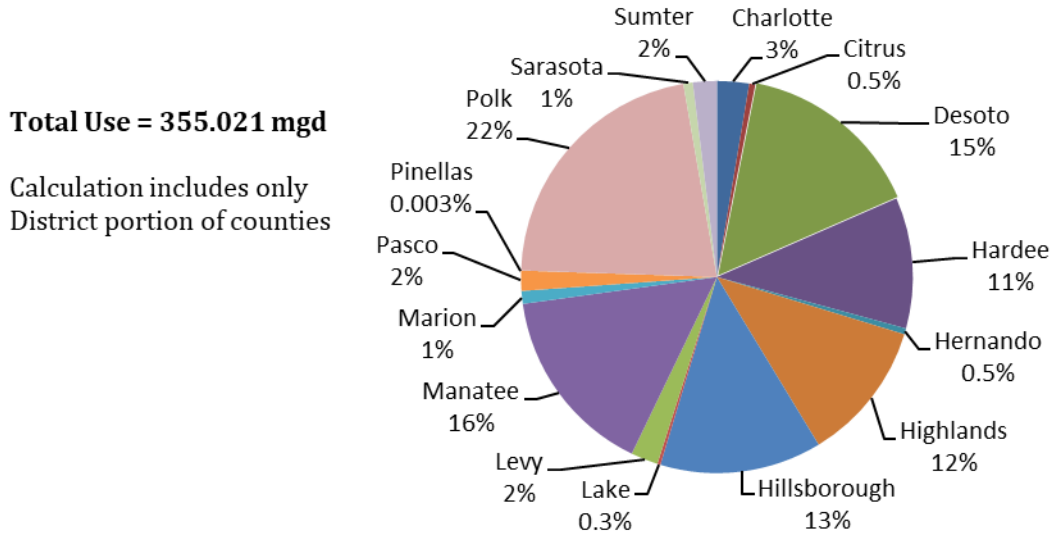
<sup>1</sup> Field crops include corn, grains, peanuts, other legumes, and commercial hay.

<sup>2</sup> Other includes: Lawn & landscape irrigation by agricultural businesses (0.361 mgd), non-citrus fruit trees and vineyards (0.931 mgd), research (0.322 mgd), and miscellaneous non-irrigation agriculture uses (0.175 mgd).



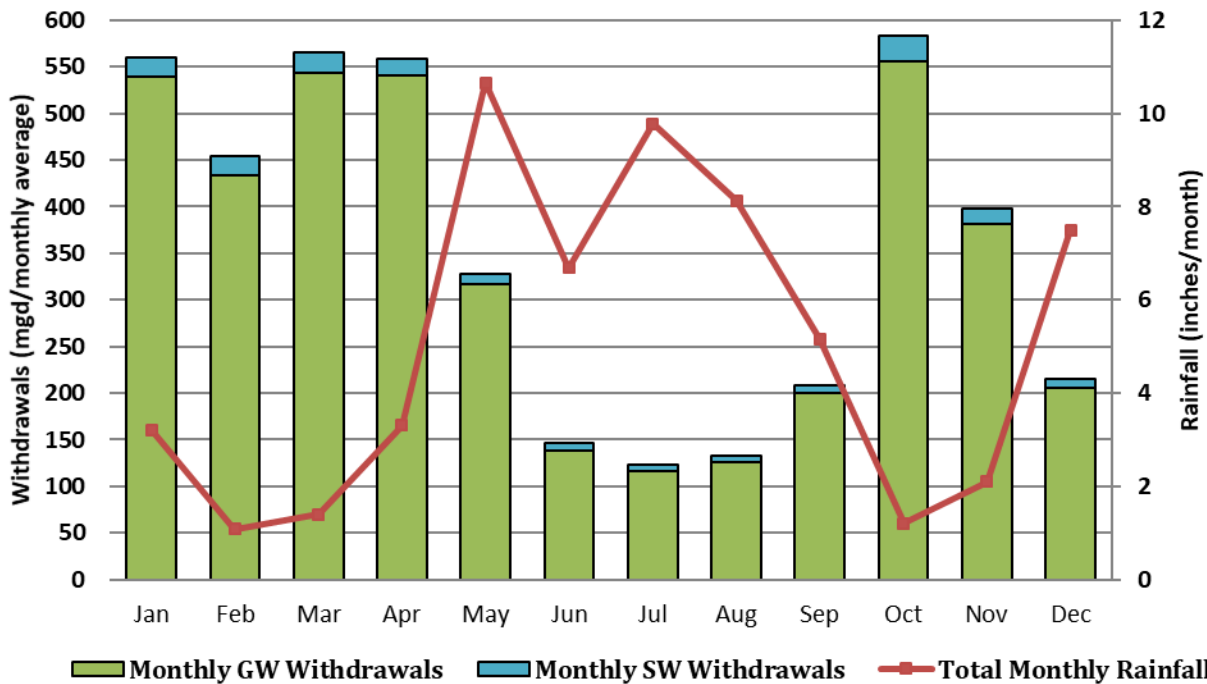
# 2018 ESTIMATED WATER USE REPORT

## Percent of Agriculture Use by County



**Figure 9. Percentage of Agriculture Water Use by County, 2018**  
(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), 2018**  
(Data Sources: Appendix A, Table A-8 and 2018 District rainfall data)

## **2018 ESTIMATED WATER USE REPORT**

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## **2018 ESTIMATED WATER USE REPORT**

### **MINING/DEWATERING WITHDRAWAL/USE = 19.8 MGD**

In 2018, 19.8 mgd was withdrawn from water resources for mining and dewatering activities in the District. This amount is down from the 22.6 mgd withdrawn in 2017 and below the ten-year average of 24.4 mgd. 95 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 2018.

#### **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 that are quantified in this report include water entrained in the mined product, water used to move slurry if it's discharged off-site, make-up water for evaporative losses from circulation 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 mined materials that were transported from off-site 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.

With WUP renewals since 2000, only dewatering quantities that are removed from local hydrologic systems are counted as permitted quantities on the WUP. This 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 withdraws water for the transportation of 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 90 active resource withdrawal points in 2018 located among multiple wellfields 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 32.8 mgd, of which 18.6 mgd was for mining/dewatering and the remainder was categorized as industrial/commercial uses.

#### **2018 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 94 percent of the water use in the category.

## **2018 ESTIMATED WATER USE REPORT**

Figure 10 shows the percentage of mining/dewatering water use by each county. Polk County used slightly more water than Hillsborough County in 2018.

Figure 11 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 2018 by groundwater

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

The tables in Appendix C provide the permitted quantities for mining/dewatering in 2018 by county, groundwater and surface water, and within each WUCA. Comparing the total use for mining/dewatering to the total permitted (55.4 mgd) indicates that 36 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.

## 2018 ESTIMATED WATER USE REPORT

**Table 5. Mining/Dewatering Water Withdrawals (mgd) by County & Use Type, 2018**

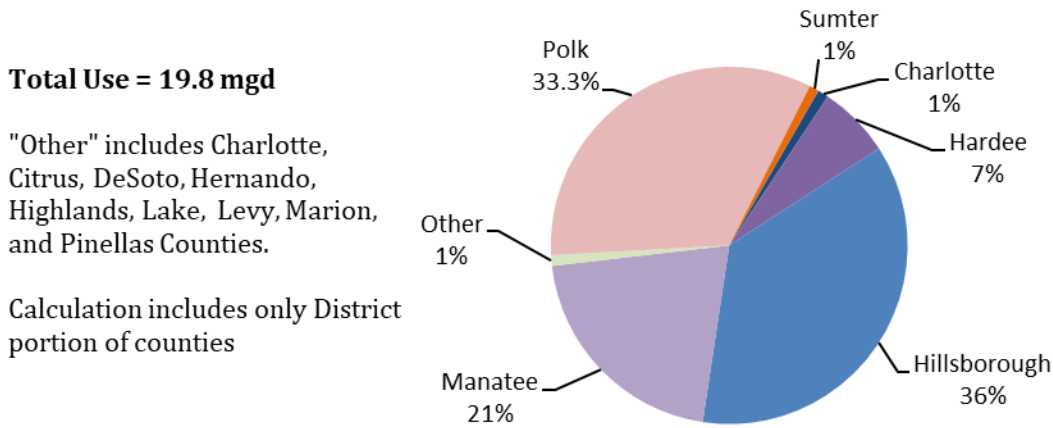
County	Non-Mine Dewatering	General Mining Uses	Sanitary Use, Fire Safety	Limestone Mining	Peat Mining	Phosphate Mining	Sand/Shell/Gravel Mining	Total	Ground-water	Surface Water
*Charlotte	0.018	0.126	0	0	0	0	0.051	<b>0.195</b>	0	0.195
Citrus	0	0.056	0.008	0	0	0	0	<b>0.064</b>	0.004	0.060
Desoto	0	0.008	0	0	0	0	0	<b>0.008</b>	0.001	0.007
Hardee	0	0	0	0	0	1.299	0	<b>1.299</b>	1.045	0.254
Hernando	0	0.022	0	0.006	0	0	0	<b>0.028</b>	0.02	0.008
*Highlands	0	0.005	0.007	0	0	0	0	<b>0.012</b>	0.002	0.010
Hillsborough	0	0.107	0	0	0	7.122	0.005	<b>7.234</b>	7.146	0.088
*Lake	0	0	0	0	0	0	0	<b>0</b>	0	0
*Levy	0	0	0	0	0	0	0	<b>0</b>	0	0
Manatee	0	0.106	0	0	0	4.011	0	<b>4.117</b>	4.048	0.069
*Marion	0	0.018	0	0.001	0	0	0	<b>0.019</b>	0.019	0
Pasco	0	0.054	0.003	0	0	0	0	<b>0.057</b>	0.007	0.05
Pinellas	0	0	0	0	0	0	0	<b>0</b>	0	0
*Polk	0.006	0.137	0	0	0	6.178	0.286	<b>6.607</b>	6.544	0.063
Sarasota	0	0	0	0	0	0	0.004	<b>0.004</b>	0	0.004
Sumter	0	0.141	0	0.029	0	0	0	<b>0.170</b>	0.039	0.131
<b>-District-</b>	<b>0.024</b>	<b>0.780</b>	<b>0.018</b>	<b>0.036</b>	<b>0.000</b>	<b>18.610</b>	<b>0.346</b>	<b>19.814</b>	<b>18.875</b>	<b>0.939</b>
<b>% Of Total</b>	<b>0.1%</b>	<b>4%</b>	<b>0.1%</b>	<b>0.2%</b>	<b>0%</b>	<b>94%</b>	<b>2%</b>	<b>100%</b>	<b>95%</b>	<b>5%</b>
<b>Groundwater Use</b>	<b>0.006</b>	<b>0.211</b>	<b>0.004</b>	<b>0.012</b>	<b>0</b>	<b>18.356</b>	<b>0.286</b>		<b>18.875</b>	
<b>Surface Water Use</b>	<b>0.018</b>	<b>0.569</b>	<b>0.014</b>	<b>0.024</b>	<b>0</b>	<b>0.254</b>	<b>0.060</b>			<b>0.939</b>

Data source: Estimated Water Use Tables derived from the WMIS database, 2018.

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

# 2018 ESTIMATED WATER USE REPORT

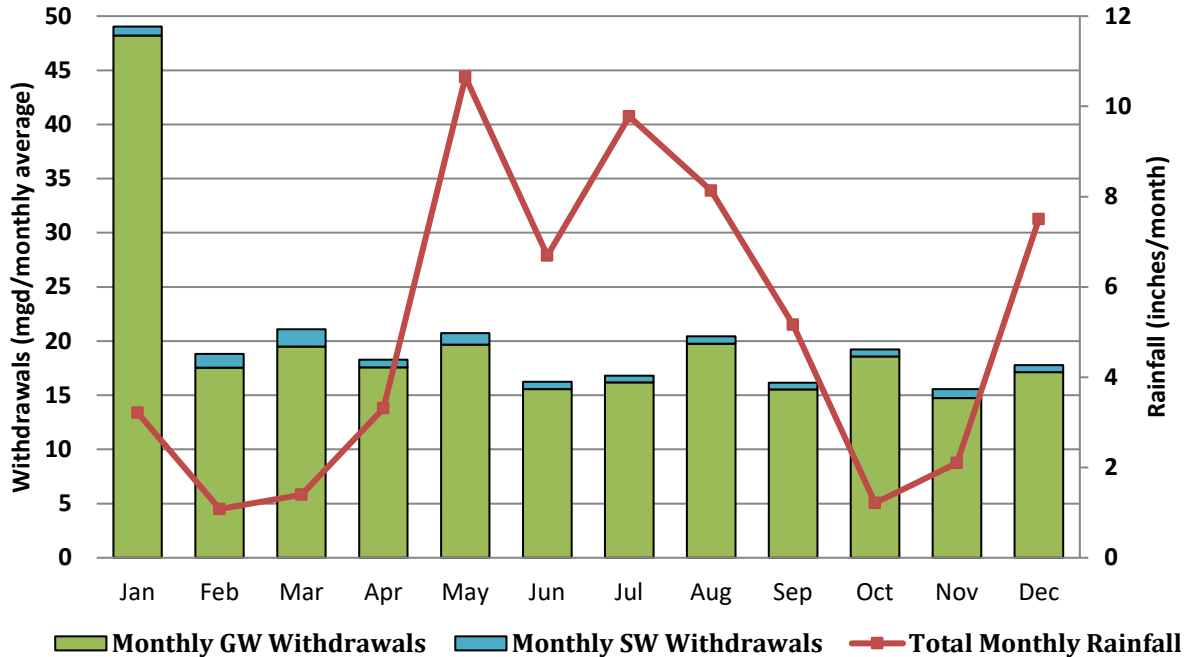
## Percent of Total Mining/Dewatering Use by County



**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), 2018**

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

## 2018 ESTIMATED WATER USE REPORT

### **INDUSTRIAL/COMMERCIAL WITHDRAWAL/USE = 64.5 MGD**

Approximately 64.5 mgd were withdrawn for industrial/commercial water uses in the District in 2018. This was an increase from the 58.1 mgd withdrawn in 2017 and above the ten-year average of 58.0 mgd. Groundwater was the source of 81 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 plants, and water used in the drink 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.

Industries and commercial businesses that purchase water from public supply utilities are not included in this category. Large utilities report the public supply quantities sold to industrial/commercial customers in their PSARs, and 99.2 mgd was recorded in 2018. Detailed information on this public supply component is available in Appendix A, Table A-2.

#### **2018 DATA**

Table 6 shows the county-level water use by industry group type and by groundwater and surface water. The groups have been updated for this year's 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 withdrawal point, as larger allocations would have designated irrigation wells and be tallied in the landscape/recreation category.

*Power Generation:* The water used by 14 permitted power facilities totaled 22.7 mgd. This includes water withdrawn from natural resources and 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. Seawater that is 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 3.7 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 1.3 mgd, including 0.6 mgd for bottled water.

*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 22.9 mgd in 2018.

*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 0.8 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 include both product content and manufacturing uses such as cooling, washing, and maintenance. Water use for this category was 6.2 mgd.

*General/Specialty:* The general/specialty group includes various business enterprises 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 6.6 mgd in 2018.

Figure 12 shows the percentage of industrial/commercial use for each county. Nearly half of the industrial/commercial water

## **2018 ESTIMATED WATER USE REPORT**

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 13 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 at a power plant in Manatee County following seasonal rainfall. The standard deviation of the monthly use was 14.2 mgd, which was 23 percent from the mean average.

### **Appendices**

Appendix A, Table A-1 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 13.

Appendix B provides groundwater and surface water use quantities in 2018 by groundwater and surface water, by county, and by the WUCAs.

Appendix C provides the quantities permitted in 2018 by county, by groundwater and surface water, and by the WUCAs. The Districtwide total permitted allocation for industrial/commercial uses was 148.3 mgd, and just 42 percent of the allocation was used in 2018.

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 2018, the WUP's industrial/commercial withdrawals were mostly in Polk County.



## 2018 ESTIMATED WATER USE REPORT

**Table 6. Industrial/Commercial Withdrawals (mgd) by County & Use Type, 2018**

County	I/C Landscape Irrigation	Power Generation	Food Processing & Packing	Beverage Processing	Phosphate Processing	Cement & Lime Processing	Manufacturing & Chemical Processing	General/Specialty <sup>1</sup>	Total	Total Ground-water	Total Surface Water
*Charlotte	0	0	0.001	0	0	0.021	0	0.009	<b>0.031</b>	0.030	0.001
Citrus	0	2.742	0	0.042	0	0.001	0.008	0.113	<b>2.906</b>	2.906	0
Desoto	0	0.081	0.266	0	0	0	0	0.398	<b>0.745</b>	0.745	0
Hardee	0	0.026	0.036	0	0.000	0	0.017	1.863	<b>1.942</b>	1.942	0
Hernando	0	4.632	0	0.005	0	0.393	0.014	0.003	<b>5.047</b>	5.047	0
*Highlands	0.002	0	0	0	0	0	0.022	0.057	<b>0.081</b>	0.081	0
Hillsborough	0.006	0	0.299	0.002	2.472	0.068	4.483	2.382	<b>9.712</b>	7.228	2.484
*Lake	0	0	0	0	0	0	0	0	<b>0</b>	0	0
*Levy	0	0	0	0	0	0	0	0.004	<b>0.004</b>	0.004	0
Manatee	0.001	9.162	0.009	0	0.000	0.052	0.010	0.251	<b>9.485</b>	0.323	9.162
*Marion	0	0	0.004	0	0	0	0	0	<b>0.010</b>	0.010	0
Pasco	0.067	0.290	0	0.591	0	0.001	0	0.273	<b>1.222</b>	0.631	0.591
Pinellas	0.003	0	0	0	0	0	0	0.149	<b>0.152</b>	0.152	0
*Polk	0.114	5.815	3.053	0.592	20.400	0.114	1.551	0.700	<b>32.339</b>	32.214	0.125
Sarasota	0.036	0	0	0	0	0.058	0.003	0.074	<b>0.171</b>	0.167	0.004
Sumter	0.001	0	0.108	0.028	0	0.139	0.047	0.351	<b>0.674</b>	0.655	0.019
<b>-District-</b>	0.230	22.748	3.776	1.260	22.872	0.847	6.155	6.633	<b>64.521</b>	52.135	12.386
<b>% of Total</b>	0.4%	37%	6%	2%	35%	1%	10%	10%	<b>100%</b>	81%	19%
<b>Groundwater Use</b>	0.226	13.586	3.757	0.669	22.872	0.836	3.681	6.508		52.135	
<b>Surface Water Use</b>	0.004	9.162	0.019	0.591	0	0.011	2.474	0.125			12.386

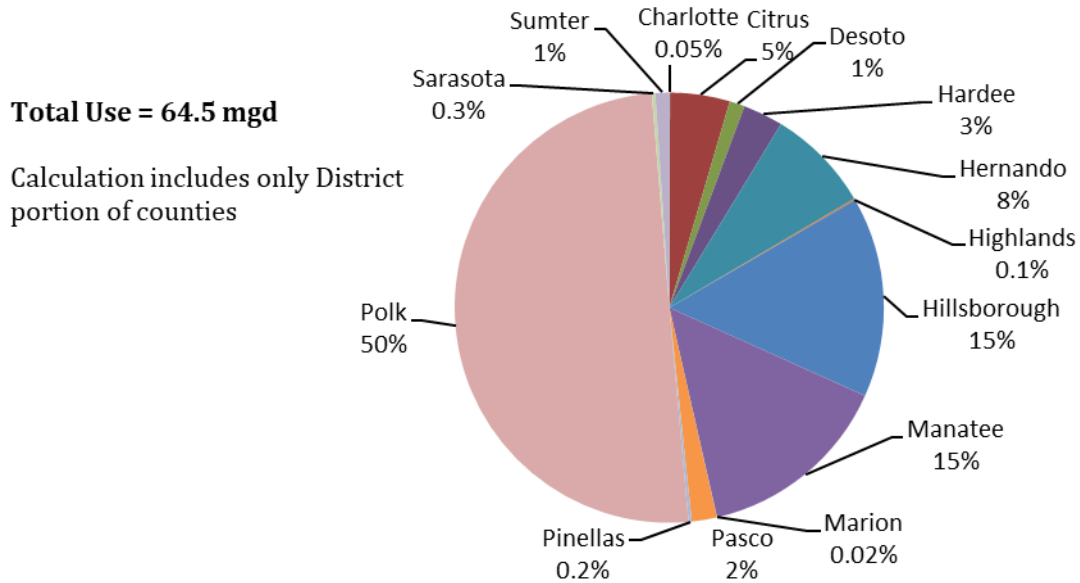
Data source: Estimated Water Use Tables derived from the WMIS database, 2018.

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

<sup>1</sup> 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.

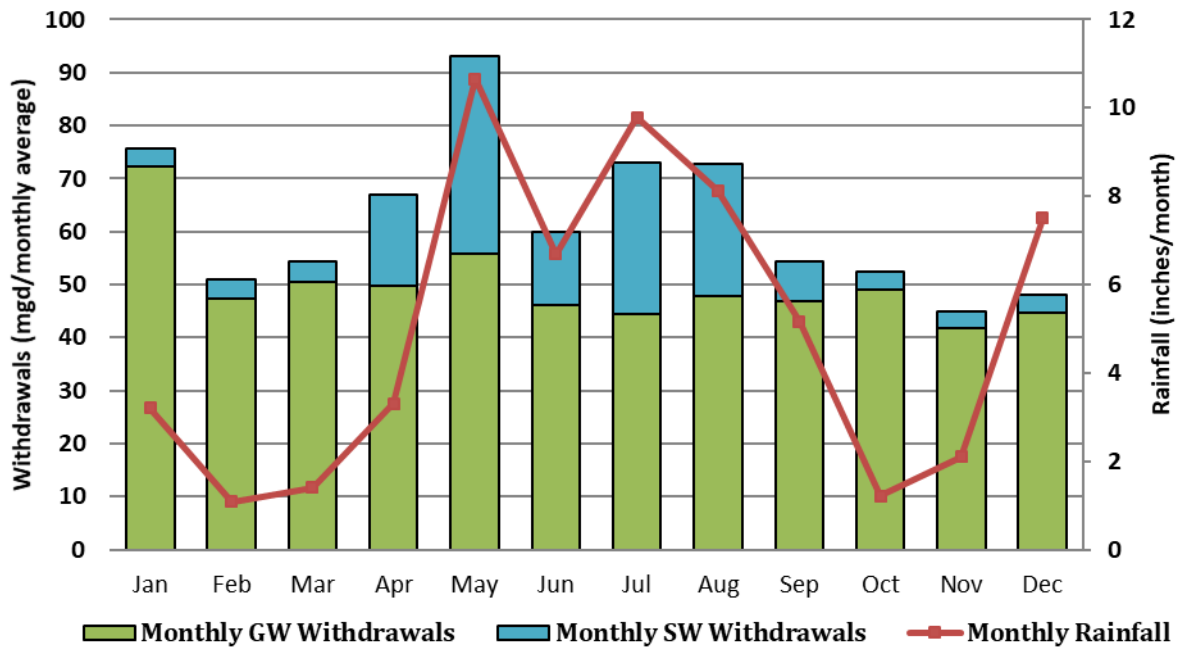
# 2018 ESTIMATED WATER USE REPORT

## Percent of Industrial/Commercial Use by County



**Figure 13. Percentage of Industrial/Commercial Water Use by County, 2018**  
(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), 2018**  
(Data sources: Appendix A, Table A-12 and District rainfall data)

## **2018 ESTIMATED WATER USE REPORT**

### **INSTITUTIONAL AND “OTHER” WITHDRAWAL/USE = 0.7 MGD**

In May 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 new categories were created as part of a statewide consumptive use permitting consistency (aka CUPcon) effort among the five water management districts.

During 2018, the number of WUPs utilizing the two relatively new categories increased from 16 to 30. This number will continue to grow as WUPs with uses that fit these categories are renewed and issued.

#### **INSTITUTIONAL USE**

The institutional use category includes uses permitted for self-supplied hospitals, penitentiaries, universities, or other institutional facilities. Many institutions were traditionally permitted in other categories such as industrial/commercial or public supply.

Specific uses for the institutional category include personal/sanitary uses, lawn & landscape, air conditioners, sports playing fields, and fire systems. Many of the permittees are municipalities, but unlike the public supply category, the permitted use doesn’t have an associated population (e.g., fire hydrants, dust control, street washing, cleaning and maintenance).

The existing institutional WUPs include personal sanitary use and air conditioning supply at schools, colleges, hospitals, and penitentiaries. They also include fire-fighting supply in Citrus County; and landscape irrigation, sports playing fields, fire systems, and personal sanitary use at schools in Highlands County and Hillsborough County. The total institutional use was 0.5 mgd, and approximately 68 percent of the permitted allocations were used.

#### **“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 uses were categorized under the predominant use of the permittee that was causing the environmental impacts.

There were eight existing “other” WUPs in 2018, of which seven were for environmental augmentation uses. Six are maintaining minimum lake levels near regional wellfields in Pasco and Hillsborough counties. The augmentation withdrawals are operated in support of environmental management plans to maintain surface water levels when they fall below specific trigger levels. The District also holds one WUP for withdrawals from the Morris Bridge Sink in Hillsborough County to maintain minimum flows on the Hillsborough River if needed during severe drought conditions. With consistent rainfall through 2018, demands for augmentation were very low; only 3 percent of the permitted augmentation quantities were used.

One additional permittee in the “other” category is a turtle breeding/research center in Polk County that uses water for aquatic habitats.

#### **2018 DATA**

Table 7 provides the combined water use under the institutional or “other” categories.

Figure 13 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 the 30 WUPs in this category. Both metered and estimated WUPs are included. Table A-14 provides the monthly use quantities by county.

Appendix B provides groundwater and surface water use quantities in 2018 by county and by WUCA.

Appendix C provides the quantities permitted in 2018 by county, by groundwater and surface water, and by WUCA. The Districtwide total permitted allocation for institutional and “other” uses was 13.1 mgd, and only 6 percent of the allocation was used in 2018.

## 2018 ESTIMATED WATER USE REPORT

**Table 7. Institutional and “Other” Withdrawals (mgd) by County & Use Type, 2018**

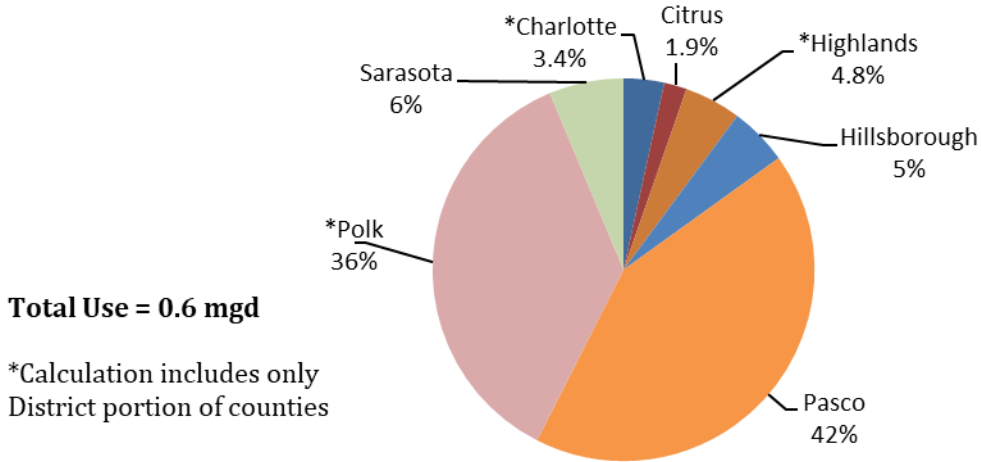
County	Institutional, Fire Systems	Institutional, Landscape	Institutional, Personal/ Sanitary	Institutional, Sports Fields	"Other" Augmen- tation	"Other" Aquatic Habitat	Total	Ground- water	Surface Water
<b>*Charlotte</b>	0	0	0	0.025	0	0	<b>0.025</b>	0.025	0
<b>Citrus</b>	0.001	0.013	0	0	0	0	<b>0.014</b>	0.014	0
<b>Desoto</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>Hardee</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>Hernando</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>*Highlands</b>	0	0.026	0	0.009	0	0	<b>0.035</b>	0.035	0
<b>Hillsborough</b>	0	0.003	0.033	0	0	0	<b>0.036</b>	0.036	0
<b>*Lake</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>*Levy</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>Manatee</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>*Marion</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>Pasco</b>	0	0	0.161	0.012	0.136	0	<b>0.309</b>	0.309	0
<b>Pinellas</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>*Polk</b>	0.002	0	0.177	0	0	0.085	<b>0.264</b>	0.264	0
<b>Sarasota</b>	0	0	0	0.046	0	0	<b>0.046</b>	0.046	0
<b>Sumter</b>	0	0	0	0	0	0	<b>0</b>	0	0
<b>-District-</b>	0.003	0.042	0.371	0.092	0.136	0.085	<b>0.729</b>	0.729	0
<b>% of Total</b>	0%	6%	51%	13%	19%	12%	<b>100%</b>	100%	0%
<b>Groundwater</b>	0.003	0.042	0.371	0.092	0.136	0.085	<b>0.729</b>	0.729	
<b>Surface Water</b>	0	0	0	0	0	0	<b>0</b>		0

Data source: Estimated Water Use Tables derived from the WMIS database, 2018.

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

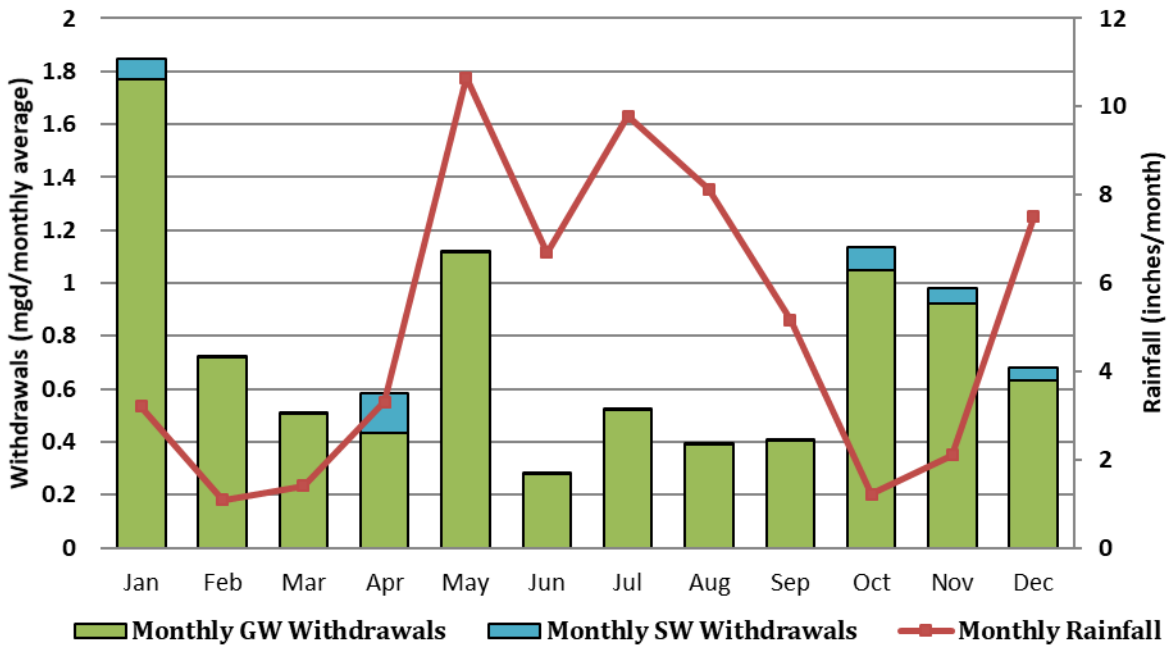
# 2018 ESTIMATED WATER USE REPORT

## Percent of Institutional/Other Use by County



**Figure 15. Percentage of Institutional and "Other" Water Use by County, 2018**  
(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), 2018**

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

## **2018 ESTIMATED WATER USE REPORT**

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## **2018 ESTIMATED WATER USE REPORT**

### **DISRICTWIDE TOTALS**

**WITHDRAWALS = 1,084.0 MGD**

**USE = 1,050.8 MGD**

The total amount of water *withdrawn* from water resources in the District was calculated as 1,084.0 mgd. After accounting for public supply imports, exports, treatment losses, and net storage changes, the total water *used* in the District was calculated as 1,050.8 mgd.

The Districtwide total water *withdrawals* in 2018 decreased 3 percent from the 2017 total of 1,122.1 mgd. Decreases occurred in each predominant use category except for the industrial/commercial and institutional categories. The 2018 total withdrawals were below the ten-year average of 1,111.4 mgd.

#### **2018 DATA**

The majority of water use data is based on the monthly or daily metered withdrawals reported by permittees and stored in the District's WMIS database. A series of SAS programs created by District staff were used to recompile the data by permit type, use category, and the water source type. Estimates of use by non-metered WUPs are based on statistical analysis of data for metered WUPs, and each regulated, non-metered withdrawal point receives proxy monthly-average withdrawal values for modeling purposes.

Only 29 percent of the active WUPs have meter reporting requirements. However, many of the metered WUPs are for water quantities that are orders-of-magnitude larger than those for unmetered WUPs. Therefore, the metered WUPs comprise 88 percent of the total allocation *permitted* by the District. Tables 8a and 8b show the historical metered quantities, the number of metered WUPs, and a comparison of quantities permitted to metered and unmetered WUPs. The *permitted* quantities were allocated to 7,080 unique WUPs with a combined 17,016 active resource withdrawal points (groundwater wells or surface water intakes).

Table 9 provides the totals of water *withdrawn* and water *used* in the District in 2018 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.

Tables 10, 11, and 12 provide a comparison of *permitted* quantities to *withdrawn* quantities under the authority of District WUPs. The total quantity *permitted* for resource withdrawals by the District on an annual average basis was 1,855.6 mgd. To directly compare *withdrawal* quantities to *permitted* quantities, the District excludes the domestic self-supply estimate (34.8 mgd) and seawater desalination for public supply (4.7 mgd) to calculate 1,044.5 mgd of WUP-authorized withdrawals. 56 percent of total *permitted* quantities were *withdrawn*. A substantial unused amount is expected because the WUPs allow for demands during drought periods and for the future potential needs during the duration of the permit. Tables 11 and 12 provide a similar comparison for metered only and estimated only, respectively. As noted in prior chapters, a few WUPs with multi-county withdrawals have their permitted allocation assigned solely to their home county, but their *withdrawal* data was sorted among the counties where they occurred.

Figure 18 compares the amount of groundwater and surface water withdrawn in each county in 2018. The figure illustrates that Hillsborough County had the greatest amount of water withdrawals (286.8 mgd), but 51 percent of the county's withdrawals were from surface water sources. Polk County had more groundwater *withdrawals* (189.3 mgd) than Hillsborough County. This distinction occurs with more counties than in prior years, for in 2018 the amount of surface water use was relatively the same while groundwater use declined. Appendix B, Table B-1 contains the data presented in this graph.

## **2018 ESTIMATED WATER USE REPORT**

Figure 19 compares the monthly groundwater and surface water *withdrawals* to Districtwide average monthly rainfall. Generally, the monthly groundwater *withdrawals* are inversely proportionate to the amount of monthly rainfall, which is expected because irrigation demands are a significant portion of water use. In 2018, there were 60.2 inches of regional rainfall, which was 7.4 inches more than the historic average (beginning 1915). Surface water sources were abundant throughout the year, and irrigation demands decreased.

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 groundwater was withdrawn for agricultural uses.

### **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, and A-12 show the monthly average withdrawals by county for the various 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 15 and Figure 17. New for 2018 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.



## 2018 ESTIMATED WATER USE REPORT

**Table 8a. Summary of 10 Years Metered Water Use Data, 2009 - 2018**

<b>Pumpage from Metered Withdrawal Points, 2009 to 2018, mgd/year</b>											
Use type	Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Public Supply		518.1	454.4	514.4	502.1	494.9	525.2	520.0	532.4	553.4	542.8
Landscape/Recreation		32.5	48.0	49.7	54.7	42.7	42.7	39.2	48.1	50.6	47.0
Agricultural		291.2	303.7	271.6	299.2	263.8	227.3	220.6	228.0	274.0	258.2
Mining/Dewatering		30.8	26.9	20.7	23.1	25.6	17.7	26.3	21.8	21.7	19.0
Industrial/Commercial		58.8	50.5	52.5	62.6	60.2	54.1	54.8	49.5	56.5	62.7
Institutional/Other Uses		NA	NA	NA	NA	NA	0.618	0.16	1.1	0.6	0.5
District Total <sup>1</sup>		931.5	883.4	908.9	941.6	887.3	867.7	861.1	880.9	956.7	930.2
<b>Number of Metered Water Use Permits, 2009 to 2018</b>											
Use type	Year	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Public Supply		228	220	205	200	195	191	186	181	176	175
Landscape/Recreation		217	305	299	305	299	312	310	330	331	333
Agricultural		1,244	1,180	1,182	1,200	1,210	1,367	1,461	1,500	1,556	1,576
Mining/Dewatering		26	19	17	14	11	14	16	16	13	15
Industrial/Commercial		83	77	80	87	85	88	91	89	90	91
Institutional/Other Uses		NA	NA	NA	NA	NA	2	4	6	6	8
District Total <sup>2</sup>		1,798	1,801	1,783	1,806	1,800	1,974	2,068	2,122	2,172	2,198

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

<sup>2</sup>The number of permits in this table reflects 105 duplicate counts for permits that have more than one predominant use type. In 2018, there were 2,093 unique metered permits.

**Table 8b. Annual Average Permitted Quantities, Metered and Unmetered WUPs, 2018**

Use Type	Total Quantities Permitted (mgd)	Total Number of WUPs	Total Quantities Permitted to Metered WUPs (mgd)	Total Number of Metered WUPs	Total Quantities Permitted to Non-Metered WUPs (mgd)	Total Number of Non-Metered WUPs
Public Supply	774.155	352	766.790	175	7.365	177
Landscape/Recreation	120.446	1,055	93.544	333	26.902	722
Agricultural	751.336	5,502	578.644	1,576	172.692	3,926
Mining/Dewatering	55.392	75	52.020	15	3.372	60
Industrial/Commercial	148.289	307	140.049	91	8.240	216
Institutional/Other Uses	5.950	30	3.426	8	2.524	22
District Total <sup>1</sup>	1,855.568	7,321	1,634.473	2,198	221.095	5,123

Data Source: District Water Use Permit Database, Calendar Year 2018.

<sup>1</sup> The number of permits in this table reflects duplicate counts of permits that have more than one use. The distinct count of WUPs evaluated for this report was 7,080 total; 2,093 metered; and 4,987 estimated.

## 2018 ESTIMATED WATER USE REPORT

**Table 9. Total Metered + Estimated Water Withdrawal and Use (mgd) Quantities by Predominant Use Category, 2018**

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 <sup>1</sup>	Public Supply Use Quantity <sup>2</sup>	Total Use Quantity <sup>3</sup>
*Charlotte	7.927	0.374	1.693	9.401	0.195	0.031	0.025	<b>19.646</b>	16.881	<b>28.600</b>
Citrus	14.165	3.978	2.970	1.756	0.064	2.906	0.014	<b>25.853</b>	13.952	<b>25.640</b>
DeSoto	30.429	0.754	0.097	54.278	0.008	0.745	0	<b>86.311</b>	1.545	<b>57.427</b>
Hardee <sup>4</sup>	1.501	0.467	0.122	38.321	1.299	1.942	0	<b>43.652</b>	1.485	<b>43.636</b>
Hernando	19.374	3.101	2.731	1.771	0.028	5.047	0	<b>32.052</b>	19.181	<b>31.859</b>
Highlands	8.318	0.824	1.882	41.150	0.012	0.081	0.035	<b>52.302</b>	7.989	<b>51.973</b>
Hillsborough <sup>4,5,6</sup>	218.143	8.919	9.024	47.396	7.234	9.712	0.036	<b>300.464</b>	146.461	<b>228.782</b>
*Lake	0	0.080	0	0.924	0	0	0	<b>1.004</b>	0	<b>1.004</b>
*Levy	0.883	0.771	0.126	7.915	0	0.004	0	<b>9.699</b>	0.793	<b>9.609</b>
Manatee <sup>4</sup>	45.917	0.667	9.806	55.587	4.117	9.485	0	<b>125.579</b>	40.325	<b>119.987</b>
*Marion	10.464	4.044	2.401	3.758	0.019	0.010	0	<b>20.696</b>	10.379	<b>20.611</b>
Pasco <sup>5</sup>	55.756	4.894	3.692	5.893	0.057	1.222	0.309	<b>71.823</b>	45.377	<b>61.444</b>
Pinellas <sup>5</sup>	27.101	0.236	3.209	0.009	0	0.152	0	<b>30.707</b>	90.424	<b>94.030</b>
*Polk <sup>4</sup>	67.638	1.945	8.503	77.112	6.607	32.339	0.264	<b>194.408</b>	68.686	<b>195.456</b>
Sarasota	22.411	1.617	8.449	2.759	0.004	0.171	0.046	<b>35.457</b>	33.583	<b>46.629</b>
Sumter	21.913	2.139	2.450	6.991	0.17	0.674	0	<b>34.337</b>	21.721	<b>34.145</b>
<b>Totals-</b>	<b>551.940</b>	<b>34.810</b>	<b>57.155</b>	<b>355.021</b>	<b>19.814</b>	<b>64.521</b>	<b>0.729</b>	<b>1,083.990</b>	<b>518.782</b>	<b>1,050.832</b>
<b>% of Withdrawal</b>	<b>51%</b>	<b>3%</b>	<b>5%</b>	<b>33%</b>	<b>2%</b>	<b>6%</b>	<b>0%</b>	<b>100%</b>		
<b>% of Use</b>		<b>3%</b>	<b>5%</b>	<b>34%</b>	<b>2%</b>	<b>6%</b>	<b>0%</b>		<b>49%</b>	<b>100.0%</b>

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

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

<sup>2</sup> 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.

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

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

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

<sup>6</sup> Hillsborough County Public Supply Withdrawal/Use Quantities include 4.710 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 permitted water resources.

## 2018 ESTIMATED WATER USE REPORT

**Table 10. 2018 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
<b>Permitted Quantities</b>							
<b>*Charlotte</b>	27.231	0.084	0.581	13.565	4.974	0.027	46.462
<b>Citrus</b>	3.158	6.470	0.169	18.318	4.757	0.015	32.887
<b>Desoto</b>	111.357	1.371	0.029	35.966	1.053	0	149.776
<b>Hardee</b>	79.142	4.698	6.392	2.423	0.211	0	92.866
<b>Hernando</b>	3.599	8.221	0.321	25.880	6.316	0	44.337
<b>*Highlands</b>	58.341	0.375	0.029	11.403	2.783	0.039	72.970
<b>Hillsborough</b>	104.073	26.555	0.680	343.908	20.875	2.585	498.676
<b>*Lake</b>	1.866	0	0	0	0	0	1.866
<b>*Levy</b>	22.446	1.628	0.123	1.077	0.279	0	25.553
<b>Manatee</b>	157.588	9.379	0.263	63.792	23.987	0	255.009
<b>*Marion</b>	14.310	0.025	0.126	12.813	5.018	0	32.292
<b>Pasco</b>	17.549	6.512	0.245	20.977	8.933	2.710	56.926
<b>Pinellas</b>	0.199	0.476	0	27.566	6.377	0.006	34.624
<b>*Polk</b>	115.352	78.926	45.795	116.483	13.678	0.517	370.751
<b>Sarasota</b>	18.140	0.427	0.010	52.642	14.094	0.051	85.364
<b>Sumter</b>	16.984	3.142	0.628	27.341	7.111	0	55.206
<b>-District-</b>	<b>751.335</b>	<b>148.289</b>	<b>55.391</b>	<b>774.154</b>	<b>120.446</b>	<b>5.950</b>	<b>1,855.565</b>
<b>Withdrawn Quantities (from permitted sources)</b>							
<b>*Charlotte</b>	9.401	0.031	0.195	7.927	1.693	0.025	19.272
<b>Citrus</b>	1.756	2.906	0.064	14.165	2.970	0.014	21.875
<b>Desoto</b>	54.278	0.745	0.008	30.429	0.097	0	85.557
<b>Hardee</b>	38.321	1.942	1.299	1.501	0.122	0	43.185
<b>Hernando</b>	1.771	5.047	0.028	19.374	2.731	0	28.951
<b>*Highlands</b>	41.150	0.081	0.012	8.318	1.882	0.035	51.478
<b>Hillsborough</b>	47.396	9.712	7.234	213.433	9.024	0.036	286.835
<b>*Lake</b>	0.924	0	0	0	0	0	0.924
<b>*Levy</b>	7.915	0.004	0	0.883	0.126	0	8.928
<b>Manatee</b>	55.587	9.485	4.117	45.917	9.806	0	124.912
<b>*Marion</b>	3.758	0.010	0.019	10.464	2.401	0	16.652
<b>Pasco</b>	5.893	1.222	0.057	55.756	3.692	0.309	66.929
<b>Pinellas</b>	0.009	0.152	0	27.101	3.209	0	30.471
<b>*Polk</b>	77.112	32.339	6.607	67.638	8.503	0.264	192.463
<b>Sarasota</b>	2.759	0.171	0.004	22.411	8.449	0.046	33.840
<b>Sumter</b>	6.991	0.674	0.170	21.913	2.450	0	32.198
<b>-District-</b>	<b>355.021</b>	<b>64.521</b>	<b>19.814</b>	<b>547.230</b>	<b>57.155</b>	<b>0.729</b>	<b>1,044.470</b>
<b>% Withdrawn</b>	<b>47%</b>	<b>44%</b>	<b>36%</b>	<b>71%</b>	<b>47%</b>	<b>12%</b>	<b>56%</b>

\* 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 (34.810 mgd) and seawater desalination (4.710 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, 2018 and 2018 PSARs.

## 2018 ESTIMATED WATER USE REPORT

**Table 11. 2018 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
<b>Permitted Quantities, Metered WUPs Only</b>							
<b>*Charlotte</b>	23.244	0	0.049	13.510	3.374	0	40.177
<b>Citrus</b>	0.497	6.008	0	17.825	3.868	0	28.198
<b>Desoto</b>	101.390	1.222	0	35.949	0.266	0	138.827
<b>Hardee</b>	56.005	4.547	6.392	2.356	0.009	0	69.309
<b>Hernando</b>	0	8.126	0	25.747	3.975	0	37.848
<b>*Highlands</b>	46.398	0.036	0	11.172	2.194	0	59.800
<b>Hillsborough</b>	88.004	25.200	0.192	343.126	14.910	0.476	471.908
<b>*Lake</b>	0.686	0	0	0	0	0	0.686
<b>*Levy</b>	14.028	0	0	1.077	0	0	15.117
<b>Manatee</b>	146.155	9.138	0.078	63.786	20.723	0	239.880
<b>*Marion</b>	5.348	0	0	12.458	3.983	0	21.789
<b>Pasco</b>	9.975	6.268	0.004	19.544	6.793	2.697	45.281
<b>Pinellas</b>	0.194	0.379	0	27.483	4.681	0	32.737
<b>*Polk</b>	64.136	77.265	45.205	113.181	10.025	0.253	310.065
<b>Sarasota</b>	17.354	0.165	0	52.515	11.846	0	81.880
<b>Sumter</b>	5.228	1.697	0.099	27.061	6.886	0	40.971
<b>-District-</b>	<b>578.642</b>	<b>140.051</b>	<b>52.019</b>	<b>766.79</b>	<b>93.545</b>	<b>3.426</b>	<b>1,634.473</b>
<b>Withdrawn Quantities, Metered WUPs Only</b>							
<b>*Charlotte</b>	8.170	0.001	0	7.905	1.297	0	17.373
<b>Citrus</b>	0.372	2.841	0	13.734	2.561	0.001	19.509
<b>Desoto</b>	48.068	0.663	0	30.421	0.042	0	79.194
<b>Hardee</b>	23.609	1.885	1.299	1.435	0.000	0	28.228
<b>Hernando</b>	0	5.014	0	19.253	1.968	0	26.235
<b>*Highlands</b>	33.413	0	0	8.183	1.556	0	43.152
<b>Hillsborough</b>	39.682	9.430	7.146	212.844	7.480	0.006	276.588
<b>*Lake</b>	0.319	0	0	0	0	0	0.319
<b>*Levy</b>	4.337	0	0	0.883	0	0	5.220
<b>Manatee</b>	51.266	9.397	4.044	45.911	8.462	0	119.080
<b>*Marion</b>	0.233	0.001	0	10.203	1.909	0	12.346
<b>Pasco</b>	1.119	1.188	0.001	54.546	2.664	0.297	59.815
<b>Pinellas</b>	0.007	0.117	0	27.034	2.400	0	29.558
<b>*Polk</b>	42.981	31.696	6.495	66.422	6.960	0.226	154.780
<b>Sarasota</b>	2.318	0.058	0	22.310	7.392	0	32.078
<b>Sumter</b>	2.288	0.420	0.016	21.757	2.338	0	26.819
<b>-District-</b>	<b>258.182</b>	<b>62.711</b>	<b>19.001</b>	<b>542.841</b>	<b>47.029</b>	<b>0.530</b>	<b>930.294</b>

\* 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, 2018 and 2018 PSARs.

## 2018 ESTIMATED WATER USE REPORT

**Table 12. 2018 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
<b>Permitted Quantities, Non-Metered WUPs</b>							
*Charlotte	3.987	0.084	0.532	0.055	1.600	0.027	6.285
Citrus	2.661	0.462	0.169	0.493	0.889	0.015	4.689
Desoto	9.967	0.149	0.029	0.017	0.787	0	10.949
Hardee	23.137	0.151	0	0.067	0.202	0	23.557
Hernando	3.599	0.095	0.321	0.133	2.341	0	6.489
*Highlands	11.943	0.339	0.029	0.231	0.589	0.039	13.170
Hillsborough	16.069	1.355	0.488	0.782	5.965	2.109	26.768
*Lake	1.180	0	0	0	0	0	1.180
*Levy	8.418	1.628	0.123	0.000	0.267	0	10.436
Manatee	11.433	0.241	0.185	0.006	3.264	0	15.129
*Marion	8.962	0.025	0.126	0.355	1.035	0	10.503
Pasco	7.574	0.244	0.241	1.433	2.140	0.013	11.645
Pinellas	0.005	0.097	0	0.083	1.696	0.006	1.887
*Polk	51.216	1.661	0.590	3.302	3.653	0.264	60.686
Sarasota	0.786	0.262	0.010	0.127	2.248	0.051	3.484
Sumter	11.756	1.445	0.529	0.280	0.225	0	14.235
<b>-District-</b>	<b>172.693</b>	<b>8.238</b>	<b>3.372</b>	<b>7.364</b>	<b>26.901</b>	<b>2.524</b>	<b>221.092</b>
<b>Withdrawn Quantities, Non-Metered WUPs</b>							
*Charlotte	1.231	0.030	0.195	0.022	0.396	0	1.899
Citrus	1.384	0.065	0.064	0.431	0.409	0.013	2.366
Desoto	6.210	0.082	0.008	0.008	0.055	0	6.363
Hardee	14.712	0.057	0	0.066	0.122	0	14.957
Hernando	1.771	0.033	0.028	0.121	0.763	0	2.716
*Highlands	7.737	0.081	0.012	0.135	0.326	0.035	8.326
Hillsborough	7.714	0.282	0.088	0.589	1.544	0.030	10.247
*Lake	0.605	0	0	0	0	0	0.605
*Levy	3.578	0.004	0	0	0.126	0	3.708
Manatee	4.321	0.088	0.073	0.006	1.344	0	5.832
*Marion	3.525	0.009	0.019	0.261	0.492	0	4.306
Pasco	4.774	0.034	0.056	1.210	1.028	0	7.114
Pinellas	0.002	0.035	0	0.067	0.809	0	0.913
*Polk	34.131	0.643	0.112	1.216	1.543	0.038	37.683
Sarasota	0.441	0.113	0.004	0.101	1.057	0	1.762
Sumter	4.703	0.254	0.154	0.156	0.112	0	5.379
<b>-District-</b>	<b>96.839</b>	<b>1.810</b>	<b>0.813</b>	<b>4.389</b>	<b>10.126</b>	<b>0.199</b>	<b>114.176</b>

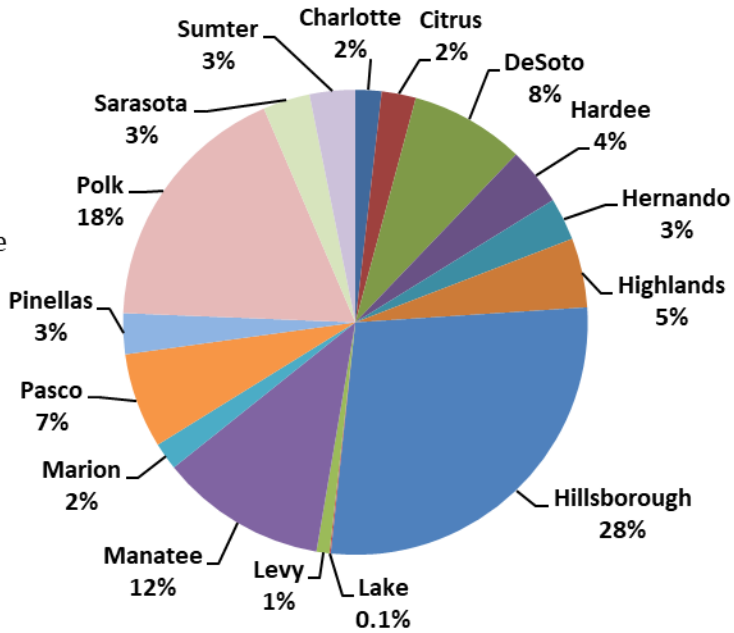
\* Data is for only the portion of the county located within the District boundaries.  
Rounding errors of less than 0.1 percent may exist when comparing to other tables.  
Data source: Estimated Water Use Tables derived from the WMIS database, 2018.

# 2018 ESTIMATED WATER USE REPORT

## Percentage Total Water Withdrawn by County

**Total Withdrawals = 1,084 mgd**

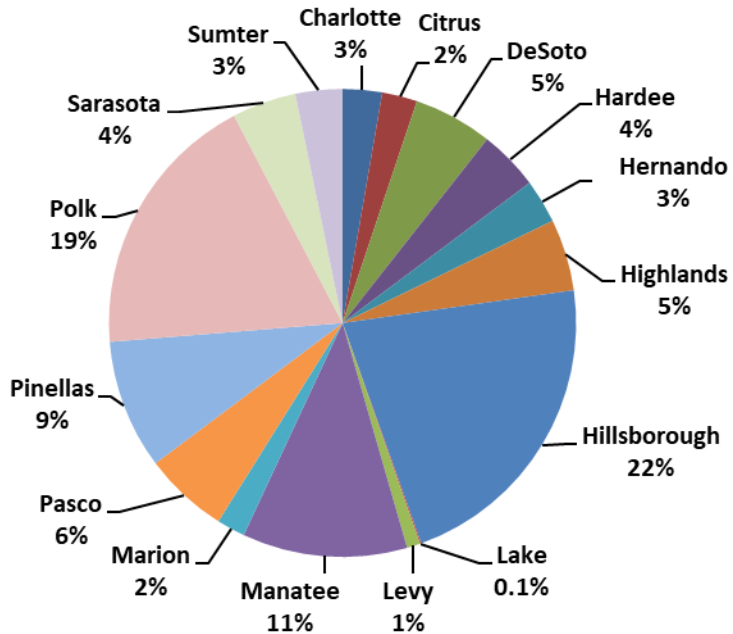
Data only for the portion of the counties within the District.



## Percentage Total Water Used by County

**Total Use = 1,051 mgd**

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

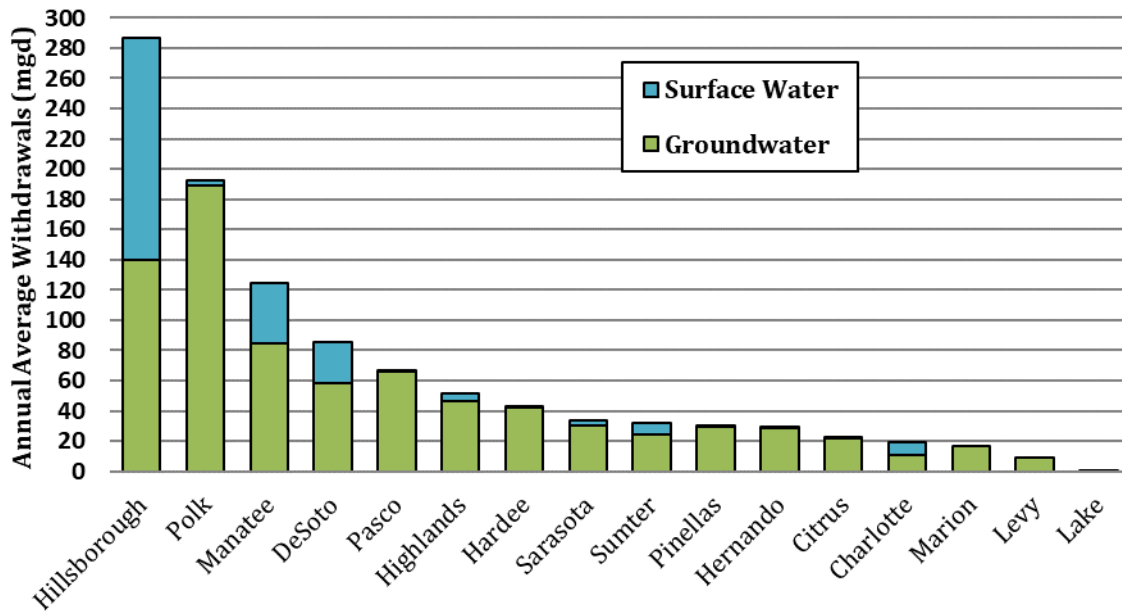


**Figure 17. Percentages of Total Withdrawals and Total Use by County, 2018**

(Data Source: Table 9)

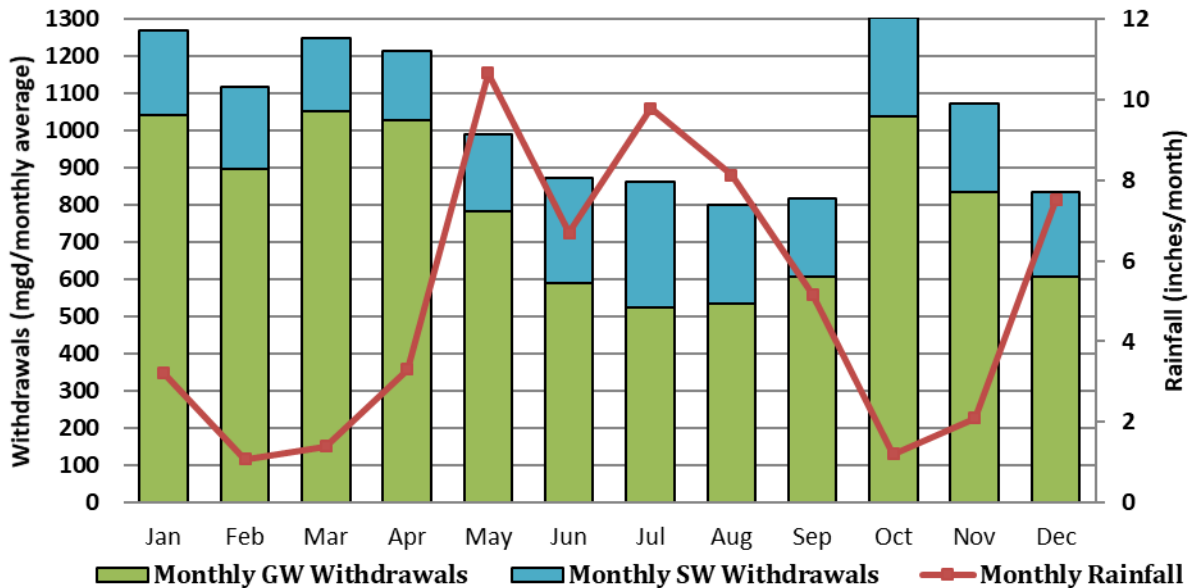
# 2018 ESTIMATED WATER USE REPORT

## Total Groundwater and Surface Water Withdrawals by County in 2018



**Figure 18. Total Groundwater and Surface Water Withdrawals by County, 2018**  
 (Data Source: Appendix B, Table B-1. The domestic self-supply category is excluded.)

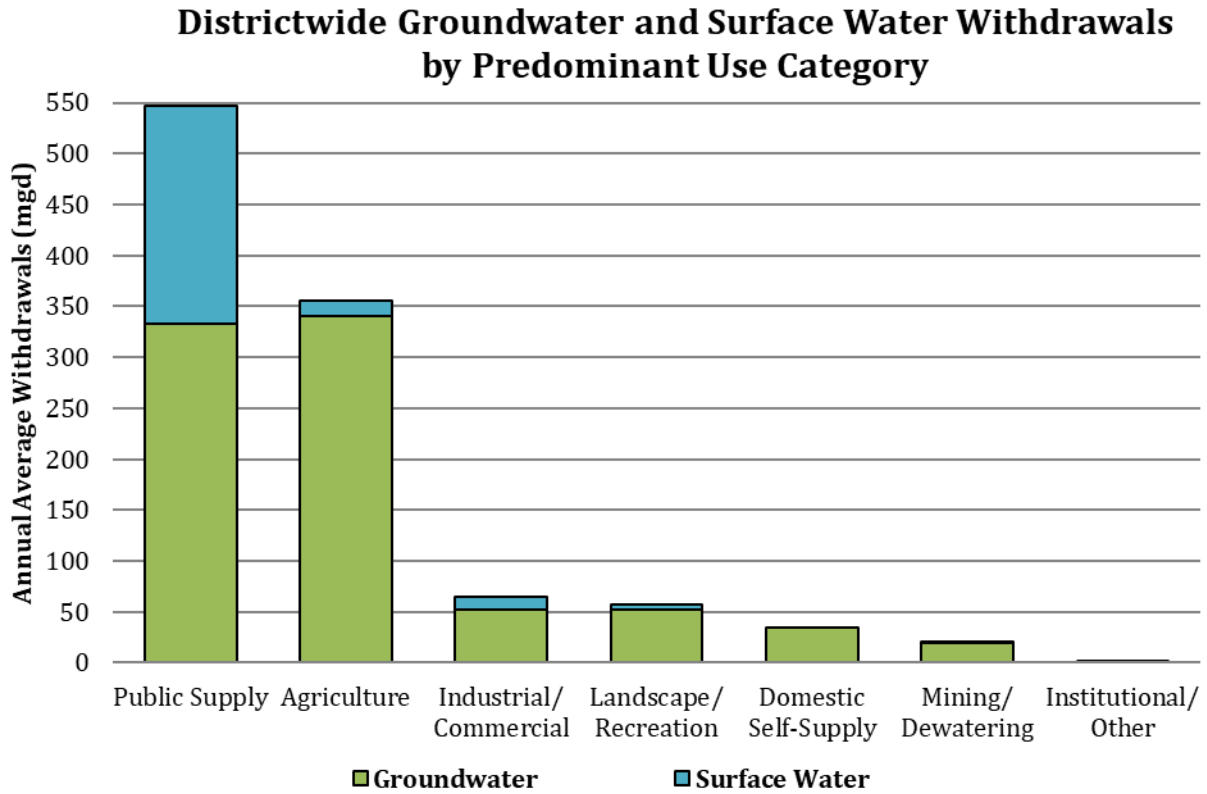
## Total Groundwater and Surface Water Withdrawals and Rainfall by Month



**Figure 19. Total Groundwater and Surface Water Withdrawals by Month and Total Monthly Rainfall, 2018**

(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.)

## 2018 ESTIMATED WATER USE REPORT



**Figure 20. Total Groundwater and Surface Water Withdrawals by Predominant Use Category, 2018**

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



**2018 ESTIMATED WATER USE REPORT**

**APPENDIX A**

**SUMMARIES OF METERED WITHDRAWALS**

**PER USE CATEGORY**

**BY WATER USE PERMIT**

# **2018 ESTIMATED WATER USE REPORT**

## **IMPORTANT INFORMATION REGARDING TABLE A-1**

Table A-1, Part 1 presents a detailed list of the larger public supply water use permits (WUPs) throughout the District as reported by the permittees in their Public Supply Annual Reports (PSARs). 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 the WMIS database and the BEBR-based population estimates.

Both the PSAR annual average withdrawal information and the monthly/daily reported metered pumpage records in WMIS 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 WMIS records are subject to updates post publication, but updates to pumpage records in the WMIS database 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 20-21 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/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.

## 2018 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2018 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2018 With-drawal PSAR	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treat-ment 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. Miti-gation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compl-iance Per Capita (gpcd)
<b>Charlotte County</b>																		
718	Gasparilla Island	1.538	<b>1.497</b>	Y	GW/RO	0.000	0.000	0.344	1.153	6,092	189	0.000	0.000	0.000	189	0.000	0.136	167
871	City of Punta Gorda	8.088	<b>5.421</b>	Y	SW	0.451	0.310	0.455	5.106	38,702	132	0.000	0.000	0.000	132	0.000	0.000	132
1512	Charlotte Harbor Water	0.712	<b>0.452</b>	Y	GW/RO	0.000	0.000	0.109	0.343	4,483	76	0.000	0.000	0.000	76	0.000	0.000	76
3522	Charlotte Co BOCC	3.172	<b>0.536</b>	Y	GW/RO	0.000	0.000	0.109	0.427	7,017	61	0.000	0.000	0.000	61	0.000	0.000	61
7104	Charlotte Co BOCC	Wholesale	<b>0.000</b>	Y	GW/SW	10.211	0.282	0.099	9.830	132,185	74	0.000	0.000	0.000	74	0.000	0.000	74
<b>Charlotte County Totals</b>			<b>7.905</b>			<b>10.662</b>	<b>0.592</b>	<b>1.116</b>	<b>16.859</b>	<b>188,479</b>	<b>89</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>89</b>	<b>0.000</b>	<b>0.136</b>	<b>89</b>
<b>Citrus County</b>																		
207	City of Crystal River <sup>20</sup>	0.919	<b>0.771</b>	Y	GW	0.014	0.000	0.010	0.776	5,726	135	0.000	0.000	0.000	135	0.000	0.316	80
419	City of Inverness <sup>20</sup>	1.535	<b>1.062</b>	Y	GW	0.000	0.000	0.004	1.059	9,710	109	0.000	0.000	0.000	109	0.000	0.000	109
1118	Floral City Water Assoc	0.395	<b>0.340</b>	Y	GW	0.000	0.000	0.015	0.325	5,087	64	0.000	0.000	0.000	64	0.000	0.000	64
2842	Citrus County	4.780	<b>2.428</b>	Y	GW	0.000	0.000	0.024	2.403	18,339	131	0.000	0.000	0.000	131	0.000	0.000	131
4153	Rolling Oaks Utilities Inc	1.573	<b>1.545</b>	Y	GW	0.000	0.000	0.043	1.502	11,356	132	0.000	0.000	0.000	132	0.000	0.000	132
4406	Homosassa Water Dist	0.960	<b>0.792</b>	Y	GW	0.000	0.018	0.010	0.765	5,765	133	0.000	0.000	0.000	133	0.000	0.000	133
6691	Gulf Highway Land Corp	0.288	<b>0.054</b>	Y	GW	0.000	0.000	0.000	0.054	576	93	0.000	0.000	0.000	93	0.000	0.000	93
7121	Citrus County & WRWSA	4.597	<b>4.425</b>	Y	GW	0.000	0.356	0.044	4.025	25,035	161	0.000	0.000	0.000	161	0.000	0.291	149
9791	Citrus County	2.435	<b>2.011</b>	Y	GW	0.000	0.000	0.020	1.991	11,998	166	0.000	0.000	0.000	166	0.000	0.000	166
11839	GCP Walden Woods	0.218	<b>0.144</b>	Y	GW	0.000	0.000	0.000	0.144	1,019	141	0.000	0.000	0.000	141	0.000	0.000	141
20230	Ozello Water Assoc	Wholesale	<b>0.000</b>	Y	GW	0.318	0.000	0.000	0.318	4,676	68	0.000	0.000	0.000	68	0.000	0.000	68
<b>Citrus County Totals</b>			<b>13.573</b>			<b>0.332</b>	<b>0.374</b>	<b>0.171</b>	<b>13.360</b>	<b>99,288</b>	<b>135</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>135</b>	<b>0.000</b>	<b>0.607</b>	<b>128</b>
<b>Desoto County</b>																		
4725	City of Arcadia	1.093	<b>0.724</b>	Y	GW	0.170	0.000	0.015	0.879	10,702	82	0.000	0.000	0.000	82	0.000	0.000	82
10420	PRMRWSA <sup>18</sup>	34.855	<b>29.697</b>	Y	SW/GW	0.000	27.477	1.998	0.222	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
20457	DeSoto County Utilities	Wholesale	<b>0.000</b>	Y	SW/GW	0.633	0.193	0.004	0.436	5,335	82	0.000	0.000	0.000	82	0.000	0.000	82
<b>Desoto County Totals</b>			<b>30.421</b>			<b>0.803</b>	<b>27.670</b>	<b>2.017</b>	<b>1.537</b>	<b>16,037</b>	<b>96</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>96</b>	<b>0.000</b>	<b>0.000</b>	<b>96</b>
<b>Hardee County</b>																		
30	City of Bowling Green	0.252	<b>0.216</b>	Y	GW	0.000	0.000	0.001	0.215	3,979	54	0.000	0.000	0.000	54	0.000	0.000	54
4461	City of Wauchula	0.782	<b>0.658</b>	Y	GW	0.000	0.000	0.013	0.645	6,397	101	0.000	0.000	0.000	101	0.000	0.000	101
7658	Town of Zolfo Springs	0.175	<b>0.162</b>	Y	GW	0.000	0.000	0.000	0.162	2,496	65	0.000	0.000	0.000	65	0.000	0.000	65

## 2018 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2018 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2018 With-drawal PSAR	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treat-ment 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. Miti-gation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compl-iance Per Capita (gpcd)
13026	Hardee County BOCC	0.439	<b>0.130</b>	Y	GW	0.000	0.000	0.003	0.127	2,901	44	0.000	0.000	0.000	44	0.000	0.000	44
<b>Hardee County Totals</b>			<b>1.166</b>			<b>0.000</b>	<b>0.000</b>	<b>0.016</b>	<b>1.150</b>	<b>15,773</b>	<b>73</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>73</b>	<b>0.000</b>	<b>0.000</b>	<b>73</b>
<b>Hernando County</b>																		
5789	Hernando Co Utilities	23.299	<b>17.975</b>	Y	GW	0.000	0.000	0.180	17.796	144,783	123	0.000	0.000	0.000	123	0.000	0.000	123
7627	City of Brooksville	2.448	<b>1.278</b>	Y	GW	0.000	0.000	0.013	1.265	16,708	76	0.000	0.000	0.000	76	0.000	0.000	76
<b>Hernando County Totals</b>			<b>19.253</b>			<b>0.000</b>	<b>0.000</b>	<b>0.193</b>	<b>19.060</b>	<b>161,491</b>	<b>118</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>118</b>	<b>0.000</b>	<b>0.000</b>	<b>118</b>
<b>Highlands County</b>																		
4167	HC Waterworks	0.255	<b>0.130</b>	Y	GW	0.000	0.000	0.003	0.127	1,334	95	0.000	0.000	0.000	95	0.000	0.000	95
4492	City of Sebring	5.811	<b>4.146</b>	Y	GW	0.000	0.000	0.041	4.105	37,306	110	0.000	0.000	0.000	110	0.000	0.000	110
4980	Lake Placid Holding	0.406	<b>0.291</b>	Y	GW	0.000	0.000	0.013	0.279	4,415	63	0.000	0.000	0.000	63	0.000	0.000	63
5270	Town of Lake Placid	0.807	<b>0.596</b>	Y	GW	0.000	0.000	0.006	0.590	7,289	81	0.000	0.000	0.000	81	0.000	0.000	81
6029	City of Avon Park	2.372	<b>2.066</b>	Y	GW	0.000	0.000	0.217	1.848	22,356	83	0.000	0.000	0.000	83	0.000	0.000	83
7139	Buttonwood Bay Util	0.203	<b>0.185</b>	Y	GW	0.000	0.000	0.013	0.172	1,646	104	0.000	0.000	0.000	104	0.000	0.000	104
13099	Sun N Lake of Sebring	1.104	<b>0.640</b>	Y	GW	0.000	0.000	0.036	0.604	7,486	81	0.000	0.000	0.000	81	0.000	0.000	81
<b>Highlands County Totals</b>			<b>8.054</b>			<b>0.000</b>	<b>0.000</b>	<b>0.329</b>	<b>7.725</b>	<b>81,832</b>	<b>94</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>94</b>	<b>0.000</b>	<b>0.000</b>	<b>94</b>
<b>Hillsborough County</b>																		
450	City of Temple Terrace	5.150	<b>3.932</b>	Y	GW	0.000	0.000	0.415	3.518	30,896	114	0.000	0.000	0.000	114	0.000	0.000	114
1776	City of Plant City	9.852	<b>6.065</b>	Y	GW	0.008	0.068	0.068	5.937	40,116	148	1.201	0.000	0.000	118	0.000	0.605	103
2062	City of Tampa <sup>20</sup>	82.000	<b>81.022</b>	Y	SW/GW	0.000	2.415	9.308	69.299	624,794	111	0.000	0.000	0.000	111	0.000	2.262	107
2285	Davpam Mobile Home	0.150	<b>0.134</b>	Y	GW	0.000	0.000	0.001	0.132	1,219	109	0.000	0.000	0.000	109	0.000	0.000	109
4352	TBW SC Hillsborough Wellfield <sup>18</sup>	24.100	<b>21.539</b>	N	GW	0.000	21.539	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
6879	The Meadows	0.236	<b>0.244</b>	Y	GW	0.000	0.000	0.000	0.244	2,315	105	0.000	0.000	0.000	105	0.000	0.000	105
7637	Riverside Golf Course <sup>20</sup>	0.514	<b>0.626</b>	Y	GW	0.000	0.000	0.006	0.620	1,264	491	0.000	0.223	0.000	314	0.000	0.000	314
7790	Paradise Village MHC	0.128	<b>0.081</b>	Y	GW	0.000	0.000	0.001	0.080	1,439	56	0.000	0.000	0.000	56	0.000	0.000	56
10443	Windemere Utility Co	0.317	<b>0.237</b>	Y	GW	0.000	0.000	0.002	0.235	2,776	85	0.000	0.000	0.000	85	0.000	0.000	85
11732	TBW Brandon Urban Wellfield <sup>17</sup>	6.000	<b>5.374</b>	N	GW	0.000	5.374	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
11771	TBW Consol. Wellfield (Hillsborough Portion) <sup>18</sup>	90.000	<b>33.002</b>	Y	SW/GW	0.000	33.002	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
11794	TBW Alafia River Withdrawal <sup>18</sup>	18.700	<b>18.637</b>	N	SW/GW	0.000	18.637	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA

## 2018 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2018 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2018 Withdrawal PSAR	(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 <sup>18</sup>	85.000	<b>38.399</b>	Y	SW/GW	0.000	38.399	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
NA	TBW Seawater Desal <sup>19</sup>	NA	<b>4.710</b>	NA	SEA	0.000	4.710	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
20141	Hillsborough County	Wholesale	<b>0.000</b>	Y	SW/GW	62.884	0.000	0.629	62.255	632,342	98	0.000	0.000	0.000	98	0.000	0.000	98
<b>Hillsborough County Totals</b>			<b>214.002</b>			<b>62.892</b>	<b>124.144</b>	<b>10.430</b>	<b>142.320</b>	<b>1,337,161</b>	<b>106</b>	<b>1.201</b>	<b>0.223</b>	<b>0.000</b>	<b>105</b>	<b>0.000</b>	<b>2.866</b>	<b>103</b>
<b>Lake County</b>																		
There were no Public Supply Permittees in the SWFWMD Portion of Lake County																		
<b>Levy County</b>																		
5640	City of Williston	0.827	<b>0.655</b>	Y	GW	0.000	0.000	0.038	0.617	3,265	189	0.000	0.000	0.000	189	0.000	0.000	189
8953	Town of Inglis	0.151	<b>0.145</b>	Y	GW	0.000	0.000	0.052	0.093	1,650	56	0.000	0.000	0.000	56	0.000	0.000	56
<b>Levy County Totals</b>			<b>0.800</b>			<b>0.000</b>	<b>0.000</b>	<b>0.090</b>	<b>0.710</b>	<b>4,915</b>	<b>144</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>144</b>	<b>0.000</b>	<b>0.000</b>	<b>144</b>
<b>Manatee County</b>																		
6392	City of Bradenton	6.950	<b>6.315</b>	Y	SW	0.224	0.221	0.311	6.006	71,749	84	0.000	0.000	0.000	84	0.000	0.000	84
10963	Town of Longboat Key	Wholesale	<b>0.000</b>	Y	SW	1.877	0.000	0.050	1.826	19,910	92	0.000	0.000	0.000	92	0.000	0.000	92
12443	City of Palmetto	Wholesale	<b>0.000</b>	Y	SW/GW	1.457	0.011	0.014	1.432	17,180	83	0.000	0.000	0.000	83	0.000	0.000	83
13343, 7345	Manatee Co Utilities <sup>18</sup>	54.836, 1.96	<b>39.583</b>	Y	SW/GW	1.506	8.002	2.046	31.041	358,722	87	2.043	0.000	0.000	81	0.000	3.850	70
<b>Manatee County Totals</b>			<b>45.898</b>			<b>5.063</b>	<b>8.234</b>	<b>2.421</b>	<b>40.306</b>	<b>467,561</b>	<b>86</b>	<b>2.043</b>	<b>0.000</b>	<b>0.000</b>	<b>82</b>	<b>0.000</b>	<b>3.850</b>	<b>74</b>
<b>Marion County</b>																		
1156	Bay Laurel CDD	2.555	<b>3.039</b>	Y	GW	0.000	0.000	0.026	3.013	12,931	233	0.000	0.000	0.000	233	0.000	0.175	220
2999	Marion Utilities Inc	0.126	<b>0.097</b>	Y	GW	0.000	0.000	0.001	0.096	1,112	86	0.000	0.000	0.000	86	0.000	0.000	86
5643	Utilities Inc of Florida	0.188	<b>0.137</b>	Y	GW	0.000	0.000	0.001	0.136	1,000	136	0.000	0.000	0.000	136	0.000	0.000	136
6151	Marion County Utilities	6.661	<b>4.855</b>	Y	GW	0.000	0.000	0.038	4.817	37,062	130	0.000	0.000	0.000	130	0.000	0.000	130
6792	Sun Communities	0.145	<b>0.077</b>	Y	GW	0.000	0.000	0.000	0.077	598	128	0.000	0.000	0.000	128	0.000	0.000	128
7849	Marion Utilities Inc	0.149	<b>0.119</b>	Y	GW	0.000	0.000	0.001	0.118	1,087	109	0.000	0.000	0.000	109	0.000	0.000	109
8005	Century Fairfield Village	0.103	<b>0.071</b>	Y	GW	0.000	0.000	0.005	0.066	557	118	0.000	0.000	0.000	118	0.000	0.000	118
8020	Marion Landing	0.179	<b>0.127</b>	Y	GW	0.000	0.000	0.000	0.127	1,127	113	0.000	0.000	0.000	113	0.000	0.000	113
8339	City of Dunnellon	1.117	<b>0.971</b>	Y	GW	0.000	0.000	0.010	0.961	6,254	154	0.000	0.000	0.000	154	0.000	0.000	154
8481	Spruce Creek Dev	1.180	<b>0.647</b>	Y	GW	0.000	0.000	0.003	0.644	6,303	102	0.000	0.000	0.000	102	0.000	0.000	102
<b>Marion County Totals</b>			<b>10.140</b>			<b>0.000</b>	<b>0.000</b>	<b>0.085</b>	<b>10.055</b>	<b>68,030</b>	<b>148</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>148</b>	<b>0.000</b>	<b>0.175</b>	<b>145</b>

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Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2018 With-drawal PSAR	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treat-ment 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. Miti-gation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compl-iance Per Capita (gpcd)
<b>Pasco County</b>																		
279	Aqua Utilities Fl Inc	0.319	<b>0.203</b>	Y	GW	0.000	0.000	0.002	0.201	3,553	57	0.000	0.000	0.000	57	0.000	0.000	57
590	Mad Hatter Utility Inc	1.000	<b>0.936</b>	Y	GW	0.000	0.000	0.001	0.934	8,609	109	0.000	0.000	0.000	109	0.000	0.000	109
964	C S Water Co Inc	0.136	<b>0.080</b>	Y	GW	0.000	0.000	0.000	0.080	939	85	0.000	0.000	0.000	85	0.000	0.000	85
1631	City of Dade City	1.971	<b>1.329</b>	Y	GW	0.000	0.000	0.013	1.316	12,530	105	0.000	0.000	0.000	105	0.000	0.000	105
2043	Orangewood Lakes MHC	0.083	<b>0.056</b>	Y	GW	0.000	0.000	0.000	0.056	1,040	54	0.000	0.000	0.000	54	0.000	0.000	54
2978	Fl. Gov. Utility Authority	0.870	<b>0.561</b>	Y	GW	0.048	0.000	0.0007	0.609	5,342	114	0.000	0.000	0.000	114	0.000	0.000	114
3182	FGUA Seven Springs	2.289	<b>2.321</b>	Y	GW	0.179	0.000	0.078	2.422	30,570	79	0.000	0.000	0.000	79	0.000	0.000	79
3590	Utilities Inc of FL	0.260	<b>0.215</b>	Y	GW	0.000	0.000	0.0021	0.213	3,772	56	0.000	0.000	0.000	56	0.000	0.000	56
3677	FGUA Colonial Manor	Wholesale	<b>0.000</b>	Y	GW	0.085	0.000	0.000	0.084	1,612	52	0.000	0.000	0.000	52	0.000	0.000	52
3692	City of Port Richey	1.050	<b>0.722</b>	Y	GW	0.007	0.000	0.022	0.706	7,704	92	0.000	0.000	0.000	92	0.000	0.000	92
4550	City of San Antonio	0.207	<b>0.138</b>	Y	GW	0.000	0.000	0.001	0.137	2,354	58	0.000	0.000	0.000	58	0.000	0.000	58
4669	Hudson Water Works	0.691	<b>0.625</b>	Y	GW	0.000	0.000	0.006	0.619	7,148	87	0.000	0.000	0.000	87	0.000	0.000	87
4734	City of New Port Richey	0.490	<b>0.463</b>	Y	GW	4.850	1.993	0.053	3.267	35,239	93	0.000	0.000	0.000	93	0.000	0.000	93
6040	City of Zephyrhills	2.900	<b>2.373</b>	Y	GW	0.000	0.000	0.033	2.340	27,734	84	0.000	0.000	0.000	84	0.000	0.000	84
7999	FGUA Angus Valley	0.145	<b>0.129</b>	Y	GW	0.000	0.000	0.001	0.128	2,010	64	0.000	0.000	0.000	64	0.000	0.000	64
8417	FGUA Aloha Gardens	0.123	<b>0.109</b>	Y	GW	0.292	0.000	0.002	0.399	7,962	50	0.000	0.000	0.000	50	0.000	0.000	50
11771	TBW Consolidated Wellfield (Pasco Portion) <sup>18</sup>	See Hills.	<b>40.714</b>	N	GW	0.000	40.714	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
11863	Pasco Co Utilities	6.286	<b>3.015</b>	Y	GW	28.183	0.760	0.338	30.100	290,200	104	0.000	0.000	0.000	104	0.000	1.497	99
<b>Pasco County Totals</b>			<b>53.990</b>			<b>33.643</b>	<b>43.467</b>	<b>0.555</b>	<b>43.611</b>	<b>448,319</b>	<b>97</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>97</b>	<b>0.000</b>	<b>1.497</b>	<b>94</b>
<b>Pinellas County</b>																		
742	City of Tarpon Springs	4.200	<b>3.476</b>	Y	GW/RO	0.008	0.038	0.915	2.530	27,674	91	0.000	0.000	0.000	91	0.000	0.000	91
2980	City of Dunedin	5.243	<b>4.655</b>	Y	GW/RO	0.000	0.000	1.194	3.461	45,395	76	0.000	0.000	0.000	76	0.000	0.000	76
2981	City of Clearwater	14.300	<b>7.692</b>	Y	GW/RO	4.422	0.000	1.018	11.096	146,669	76	0.000	0.000	0.000	76	0.000	0.000	76
7692	Town of Belleair	0.886	<b>0.801</b>	Y	GW	0.001	0.000	0.016	0.787	5,693	138	0.000	0.000	0.000	138	0.000	0.143	113
10795	City of Gulfport	Wholesale	<b>0.000</b>	Y	GW	0.927	0.000	0.000	0.927	14,634	63	0.000	0.000	0.000	63	0.000	0.000	63
11218	City of Oldsmar	2.700	<b>1.845</b>	Y	GW/RO	0.008	0.000	0.462	1.391	17,374	80	0.000	0.000	0.000	80	0.000	0.000	80
11245	City of Safety Harbor	Wholesale	<b>0.000</b>	Y	GW	1.439	0.000	0.000	1.439	15,183	95	0.000	0.000	0.000	95	0.000	0.000	95
11771	TBW Consolidated Wellfield (Pinellas Portion) <sup>18</sup>	See Hills.	<b>8.524</b>	N	SW/GW	0.000	8.524	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA

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12351	City of Pinellas Park	Wholesale	0.000	Y	GW	4.624	0.000	0.000	4.624	91,547	51	0.000	0.000	0.000	51	0.000	0.000	51
20142	Pinellas County	Wholesale	0.000	Y	GW	48.433	10.537	0.829	37.067	506,353	73	0.000	0.000	0.000	73	0.000	0.000	73
20143	City of St Petersburg	Wholesale	0.000	Y	GW	28.104	0.924	0.186	26.994	347,050	78	0.000	0.000	0.000	78	0.000	0.000	78
<b>Pinellas County Totals</b>			<b>26.992</b>			<b>87.965</b>	<b>20.024</b>	<b>4.618</b>	<b>90.315</b>	<b>1,217,572</b>	<b>74</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>74</b>	<b>0.000</b>	<b>0.143</b>	<b>74</b>
<b>Polk County</b>																		
341	City of Bartow	7.900	3.085	Y	GW	0.000	0.000	0.354	2.730	25,742	106	0.000	0.000	0.000	106	0.000	1.177	60
645	City of Fort Meade	0.760	0.548	Y	GW	0.000	0.000	0.013	0.535	5,660	95	0.000	0.000	0.000	95	0.000	0.267	47
1625	Four Lakes Golf Club <sup>20</sup>	0.406	0.301	Y	GW	0.000	0.000	0.003	0.298	1,448	206	0.000	0.095	0.000	141	0.000	0.000	141
2332	Town of Lake Hamilton	0.381	0.241	Y	GW	0.000	0.000	0.002	0.238	1,761	135	0.021	0.000	0.000	124	0.000	0.000	124
3415	Orchid Springs Dev Corp	0.095	0.060	Y	GW	0.0022	0.000	0.000	0.063	1,005	62	0.000	0.000	0.000	62	0.000	0.000	62
4005	Crooked Lake Park	0.302	0.236	Y	GW	0.000	0.000	0.017	0.219	2,587	85	0.000	0.000	0.000	85	0.000	0.000	85
4607	City of Winter Haven	14.060	9.587	Y	GW	0.000	0.001	0.096	9.490	82,465	115	0.000	0.000	0.000	115	0.000	0.000	115
4658	City of Lake Wales <sup>20</sup>	3.903	2.592	Y	GW	0.022	0.000	0.026	2.588	22,263	116	0.000	0.000	0.000	116	0.000	0.000	116
4912	City of Lakeland	35.030	20.893	Y	GW	0.000	0.294	0.034	20.564	180,792	114	0.000	0.024	0.000	114	0.000	5.789	82
5251	Grenelefe Resort LLC <sup>20</sup>	1.235	0.979	Y	GW	0.000	0.000	0.002	0.977	2,714	360	0.000	0.406	0.000	210	0.000	0.000	210
5750	City of Davenport	1.002	1.255	Y	GW	0.000	0.000	0.000	1.255	9,193	137	0.000	0.000	0.000	137	0.000	0.000	137
5868	Rainbow Resort	0.137	0.137	Y	GW	0.000	0.000	0.003	0.134	1,042	128	0.000	0.000	0.000	128	0.000	0.000	128
5870	City of Frostproof	0.870	0.407	Y	GW	0.000	0.000	0.004	0.403	3,220	125	0.050	0.000	0.000	110	0.000	0.000	110
5893	Town of Dundee	0.918	0.650	Y	GW	0.000	0.000	0.000	0.650	6,029	108	0.000	0.000	0.000	108	0.000	0.000	108
6124	City of Mulberry	0.807	0.392	Y	GW	0.000	0.000	0.003	0.389	4,631	84	0.000	0.000	0.000	84	0.000	0.000	84
6174	Saddlebag Lake	0.117	0.088	Y	GW	0.000	0.000	0.000	0.088	1,332	66	0.000	0.000	0.000	66	0.000	0.000	66
6505	Polk Co BOCC NWRUSA	5.700	2.445	Y	GW	0.146	0.000	0.019	2.572	32,287	80	0.000	0.000	0.000	80	0.000	0.000	80
6506	Polk Co BOCC SWRUSA	7.000	3.273	Y	GW	0.048	0.044	0.050	3.228	44,463	73	0.000	0.000	0.000	73	0.000	0.000	73
6507	Polk Co BOCC CRUSA	2.003	0.992	Y	GW	0.000	0.000	0.015	0.977	14,418	68	0.000	0.000	0.000	68	0.000	0.000	68
6508	Polk Co BOCC SERUSA	1.367	0.583	Y	GW	0.000	0.000	0.009	0.575	5,344	108	0.000	0.000	0.000	108	0.000	0.000	108
6509	Polk Co BOCC NERUSA	10.919	5.304	Y	GW	2.176	0.130	0.014	7.336	73,267	100	0.000	0.000	0.000	100	0.000	0.000	100
6624	City of Lake Alfred	1.303	0.954	Y	GW	0.000	0.000	0.000	0.954	8,215	116	0.000	0.000	0.000	116	0.000	0.000	116
6920	City of Eagle Lake	0.662	0.341	Y	GW	0.000	0.000	0.019	0.322	3,837	84	0.000	0.000	0.000	84	0.000	0.000	84
7119	City of Auburndale	7.036	4.746	Y	GW	0.000	0.000	0.000	4.746	31,557	150	1.095	0.000	0.000	116	0.000	0.545	98

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7187	CHC Century Realty <sup>20</sup>	0.429	<b>0.263</b>	Y	GW	0.000	0.000	0.003	0.260	1,482	175	0.000	0.100	0.000	108	0.000	0.000	108
7328	Carefree RV <sup>20</sup>	0.131	<b>0.123</b>	Y	GW	0.000	0.000	0.000	0.123	979	126	0.000	0.044	0.000	81	0.000	0.000	81
7878	Aqua Utilities Fl Inc	0.243	<b>0.140</b>	Y	GW	0.000	0.000	0.001	0.139	2,253	62	0.000	0.000	0.000	62	0.000	0.000	62
8054	Polk Co BOCC ERUSA	1.373	<b>0.491</b>	Y	GW	0.000	0.018	0.008	0.465	6,617	70	0.000	0.000	0.000	70	0.000	0.000	70
8344	S V Utilities Ltd	0.212	<b>0.140</b>	Y	GW	0.000	0.000	0.001	0.139	1,379	101	0.000	0.000	0.000	101	0.000	0.000	101
8468	City of Polk City	0.761	<b>0.356</b>	Y	GW	0.000	0.000	0.000	0.356	7,176	50	0.000	0.000	0.000	50	0.000	0.000	50
8522	City of Haines City	5.921	<b>4.898</b>	Y	GW	0.000	0.000	0.191	4.707	36,521	129	0.261	0.000	0.000	122	0.000	0.241	115
8753	Plantation Landing <sup>20</sup>	0.070	<b>0.061</b>	Y	GW	0.000	0.000	0.000	0.061	748	82	0.000	0.000	0.000	82	0.000	0.000	82
8967	Sweetwater Community <sup>20</sup>	0.141	<b>0.108</b>	Y	GW	0.000	0.000	0.000	0.108	698	154	0.000	0.031	0.000	110	0.000	0.000	110
10141	Polk Co Utilities Ovation	0.257	<b>0.000</b>	Y	GW	0.008	0.000	0.000	0.008	0	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
12800	Polk Co Jordan's Grove	0.158	<b>0.118</b>	Y	GW	0.030	0.000	0.000	0.148	489	303	0.000	0.000	0.000	303	0.000	0.000	303
13043	Cypress Lakes Utilities	0.294	<b>0.184</b>	Y	GW	0.000	0.000	0.008	0.176	3,000	59	0.000	0.000	0.000	59	0.000	0.000	59
<b>Polk County Totals</b>			<b>66.971</b>			<b>2.432</b>	<b>0.488</b>	<b>0.896</b>	<b>68.020</b>	<b>626,613</b>	<b>109</b>	<b>1.427</b>	<b>0.699</b>	<b>0.000</b>	<b>105</b>	<b>0.000</b>	<b>8.019</b>	<b>92</b>
<b>Sarasota County</b>																		
2923	City of North Port	7.100	<b>2.035</b>	Y	SW/RO	1.180	0.013	0.094	3.108	53,453	58	0.000	0.000	0.000	58	0.000	0.000	58
4318, 10224, 10225	City of Sarasota	6.000, 6.000, 0.043	<b>8.061</b>	Y	GW	0.000	0.000	1.748	6.313	80,503	78	0.000	0.000	0.000	78	0.000	0.000	78
4866	Englewood Water Dist.	5.360	<b>3.869</b>	Y	GW/RO	0.000	0.118	0.977	2.774	37,214	75	0.000	0.000	0.000	75	0.000	0.000	75
5393	City of Venice	6.864	<b>4.465</b>	Y	GW/RO	0.000	0.000	2.359	2.106	35,697	59	0.000	0.000	0.000	59	0.000	0.000	59
5807	Camelot Communities <sup>20</sup>	0.362	<b>0.324</b>	y	GW/RO	0.000	0.000	0.000	0.324	1,829	177	0.000	0.000	0.000	177	0.163	0.000	88
7448	Sun-N-Fun RV Resort	0.186	<b>0.065</b>	Y	GW/RO	0.000	0.000	0.011	0.054	1,339	41	0.000	0.000	0.000	41	0.000	0.000	41
8836	Sarasota County BOCC	13.737	<b>3.676</b>	Y	GW/RO	16.809	0.748	0.750	18.988	234,659	81	0.000	0.000	0.000	81	0.000	0.000	81
<b>Sarasota County Total</b>			<b>22.495</b>			<b>17.989</b>	<b>0.878</b>	<b>5.939</b>	<b>33.667</b>	<b>444,693</b>	<b>76</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>76</b>	<b>0.163</b>	<b>0.000</b>	<b>75</b>
<b>Sumter County</b>																		
1368	Lake Panasoffkee Assoc	0.410	<b>0.256</b>	Y	GW	0.000	0.000	0.000	0.256	3,984	64	0.000	0.000	0.000	64	0.000	0.000	64
6519	City of Bushnell	1.367	<b>0.484</b>	Y	GW	0.000	0.000	0.000	0.484	3,874	125	0.000	0.000	0.000	125	0.000	0.000	125
7185	City of Webster	0.103	<b>0.081</b>	Y	GW	0.000	0.000	0.0004	0.081	922	88	0.000	0.000	0.000	88	0.000	0.000	88
8135	City of Wildwood	6.445	<b>2.100</b>	Y	GW	0.000	0.000	0.000	2.100	19,903	106	0.000	0.000	0.000	106	0.000	0.145	98
8193	City of Center Hill	0.171	<b>0.066</b>	Y	GW	0.000	0.000	0.000	0.066	1,170	56	0.000	0.000	0.000	56	0.000	0.000	56



## 2018 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2018 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2018 Withdrawal PSAR	(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)
12584	Orange Blossom Utilities	0.136	0.022	Y	GW	0.000	0.000	0.000	0.022	0	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
13005	The Villages CDD <sup>20, 21</sup>	19.346	19.463	Y	GW/SW	0.000	0.000	0.185	19.278	88,453	218	0.261	0.890	0.000	205	7.697	2.145	94
20597	City of Wildwood - CCC	0.238	0.127	Y	GW	0.000	0.000	0.006	0.120	1,598	75	0.000	0.000	0.000	75	0.000	0.000	75
<b>Sumter County Total</b>			<b>22.600</b>			<b>0.000</b>	<b>0.000</b>	<b>0.192</b>	<b>22.408</b>	<b>119,903</b>	<b>187</b>	<b>0.261</b>	<b>0.890</b>	<b>0.000</b>	<b>177</b>	<b>7.697</b>	<b>2.290</b>	<b>94</b>
<b>Northern Planning Region</b>			<b>66.365</b>			<b>0.332</b>	<b>0.374</b>	<b>0.731</b>	<b>65.593</b>	<b>453,627</b>	<b>145</b>	<b>0.261</b>	<b>0.890</b>	<b>0.000</b>	<b>142</b>	<b>7.697</b>	<b>3.072</b>	<b>118</b>
<b>Tampa Bay Planning Region</b>			<b>294.984</b>			<b>184.500</b>	<b>187.635</b>	<b>15.603</b>	<b>276.246</b>	<b>3,003,052</b>	<b>92</b>	<b>1.201</b>	<b>0.223</b>	<b>0.000</b>	<b>92</b>	<b>0.000</b>	<b>4.506</b>	<b>90</b>
<b>Southern Planning Region</b>			<b>106.719</b>			<b>34.516</b>	<b>37.374</b>	<b>11.493</b>	<b>92.368</b>	<b>1,116,770</b>	<b>83</b>	<b>2.043</b>	<b>0.000</b>	<b>0.000</b>	<b>81</b>	<b>0.163</b>	<b>3.986</b>	<b>77</b>
<b>Heartland Planning Region</b>			<b>76.191</b>			<b>2.432</b>	<b>0.488</b>	<b>1.241</b>	<b>76.895</b>	<b>724,218</b>	<b>106</b>	<b>1.427</b>	<b>0.699</b>	<b>0.000</b>	<b>103</b>	<b>0.000</b>	<b>8.019</b>	<b>92</b>
<b>District Totals <sup>20</sup></b>			<b>544.259</b>			<b>221.781</b>	<b>225.871</b>	<b>29.068</b>	<b>511.102</b>	<b>5,297,666</b>	<b>96</b>	<b>4.932</b>	<b>1.812</b>	<b>0.000</b>	<b>95</b>	<b>7.859</b>	<b>19.583</b>	<b>90</b>

**Record of Public Supply Annual Reports Received and Number of WUPs in compliance with the 150 gpcd compliance per capita requirement. (Those not in compliance may have interim compliance per capita rate allowed.)**

	No. WUPs		No. WUPs		No. WUPs		No. WUPs
PSAR Received	137	Unadjusted Gross PC ≤ 150:	115	Adjusted Gross PC ≤ 150:	119	Compliance PC ≤ 150:	122
PSAR Not Received *	5	Unadjusted Gross PC > 150:	15	Adjusted Gross PC > 150:	11	Compliance PC > 150:	8
<b>Total Due</b>	<b>142</b>	<b>Total</b>	<b>130</b>	<b>Total</b>	<b>130</b>	<b>Total</b>	<b>130</b>

**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

\* If the PSAR was not received, withdrawals were derived from District metering data, and population was calculated from District GIS data.

- 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.

## **2018 ESTIMATED WATER USE REPORT**

- 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/sites/default/files/medias/documents/WUP\\_Applicants\\_Handbook\\_Part\\_D.pdf](https://www.swfwmd.state.fl.us/sites/default/files/medias/documents/WUP_Applicants_Handbook_Part_D.pdf).
- 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.
- 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 Regional Water Supply Supplier. For Tampa Bay Water consolidated wellfield WUP No. 11771, the total withdrawn quantity (82.130 mgd) is divided among the three counties from which the withdrawals occurred (Hillsborough, Pasco and Pinellas counties).
- 19 The quantity shown for the Tampa Bay Water Seawater Desalination Facility is only the quantity 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. The seawater quantity is omitted from other tables that specify the regulated groundwater or fresh surface water withdrawals from natural resources. Seawater use is not regulated by the District.
- 20 Note that some countywide and Districtwide gross water use totals don't match the totals reported in Table 1 and Table 9 due to two adjustments:
- The PSAR-reported withdrawal totals at some golf resorts with mixed-use permit quantities contain water that was categorized as landscape/recreation in the EWU Report. To avoid double-counting, deductions to public supply withdrawals were made in Table 1 and Table 9. The deductions are -0.021 mgd in Citrus, -0.174 in Hillsborough, -0.817 mgd in Polk, -0.185 mgd in Sarasota, and -0.903 mgd in Sumter counties. The WUPs that included the additional use in their PSAR total withdrawal but claimed the golf course deduction were: 207, 419, 1625, 4658, 5251, 5807, 7187, 7637, 8193, 8753, 8967, and 13005.
  - The City of Tampa reported "water year" (Oct-Sept) withdrawal data on their PSAR (81.022 mgd). Table A-1 retains their reported data, but WMIS-based calendar year data was substituted for EWU Report Tables 1 and 9 (80.546 mgd).
- 21 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 11.130 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.

## 2018 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, 2018**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Withdrawal <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply <sup>4</sup>
Charlotte	10726	JDI Farms	P100	G	0.000	0.402	0.001
<b>Charlotte County Totals</b>					<b>0.000</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.022</b>	<b>Estimated, mgd, 1 WUP</b>	
					<b>0.022</b>	<b>Total, mgd</b>	
Citrus	729	Citrus County Water Resources	P130	G	0.073	0.080	0.080
Citrus	1345	Royal Oaks of Citrus HOA Inc	P130	G	0.109	0.067	0.067
<b>Citrus County Totals</b>					<b>0.182</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.431</b>	<b>Estimated, mgd, 14 WUPs</b>	
					<b>0.613</b>	<b>Total, mgd</b>	
DeSoto	8935	V C Hollingsworth Sr. Estate	P100	G	0.000	0.131	0.001
<b>DeSoto County Totals</b>					<b>0.000</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.008</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.008</b>	<b>Total, mgd</b>	
Hardee	1912	V & W Farms Inc of Delray Beach	P135	G	0.000	1.298	0.002
Hardee	9550	Hardee Correctional Institution	P100	G	0.263	0.301	0.285
Hardee	11858	FINR II, Inc.	P040	G	0.006	0.431	0.421
<b>Hardee County Totals</b>					<b>0.269</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.066</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>0.335</b>	<b>Total, mgd</b>	
<b>Hernando County Totals</b>					<b>0.000</b>	<b>Metered, Non-PSAR, mgd</b>	
<b>There were no Non-PSAR Metered WUPS in Hernando County</b>					<b>0.121</b>	<b>Estimated, mgd, 5 WUPs</b>	
					<b>0.121</b>	<b>Total, mgd</b>	
Highlands	9490	LP Waterworks, Inc	P130	G	0.045	0.096	0.096
Highlands	12846	Tropical Harbor Mobile Home Estates	P131	G	0.085	0.119	0.119
Highlands	12846	Tropical Harbor Mobile Home Estates	P131	S	0.000	0.119	0.119
<b>Highlands County Totals</b>					<b>0.129</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.134</b>	<b>Estimated, mgd, 10 WUPs</b>	
					<b>0.264</b>	<b>Total, mgd</b>	

## 2018 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, 2018**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Withdrawal <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply <sup>4</sup>
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	0.050	0.065	0.065
Hillsborough	5886	Tampa Bay Water	P105	G	0.034	0.820	0.820
Hillsborough	6312	TBW Eagles Water System	P135	G	0.006	0.164	0.008
Hillsborough	6420	Linda Lawton DKL Properties, LLC	P105	S	3.856	20.000	20.000
Hillsborough	6480	Betty Astin	P130	G	0.163	0.097	0.097
Hillsborough	6675	Tampa Bay Water	P100	G	0.001	0.056	0.003
Hillsborough	7002	MHC FR Utility Systems	P100	S	0.003	0.056	0.003
Hillsborough	8563	T.G. and Laverne Robinson Family Partnership	P130	G	0.000	0.087	0.040
Hillsborough	9658	Keel Farms, Inc	P100	G	0.000	0.069	0.001
Hillsborough	10066	Florida Acecapaders, Inc	P070	G	0.003	0.029	0.022
Hillsborough	12523	University of Florida IFAS Facility	P100	G	0.001	0.345	0.001
Hillsborough	12957	NHC-FL 8-LP	P131	G	0.037	0.321	0.060
<b>Hillsborough County Totals</b>					<b>4.202</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.589</b>	<b>Estimated, mgd, 34 WUPs</b>	
					<b>4.791</b>	<b>Total, mgd</b>	
<b>Lake County Totals</b>					<b>0.000</b>	<b>Metered, Non-PSAR, mgd</b>	
<b>There were no Metered WUPS in Lake County</b>					<b>0.000</b>	<b>Estimated, mgd, 0 WUPs</b>	
<b>There were no Estimated Public Supply WUPS in Lake County</b>					<b>0.000</b>	<b>Total, mgd</b>	
Levy	7755	Town of Yankeetown	P130	G	0.083	0.099	0.099
<b>Levy County Totals</b>					<b>0.083</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.000</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>0.083</b>	<b>Total, mgd</b>	
Manatee	503	J.T. Reeder Partners	P131	G	0.000	0.875	0.004
Manatee	4467	John Falkner, LLC	P131	G	0.002	9.778	0.006
Manatee	9089	FFD Land Co Inc	P135	G	0.005	2.791	0.012

## 2018 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, 2018**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Withdrawal <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply <sup>4</sup>
Manatee	11105	WFA Land Company, Inc	P100	G	0.006	3.011	0.019
<b>Manatee County Totals</b>					<b>0.013</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.006</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.019</b>	<b>Total, mgd</b>	
Marion	5731	MHC Foxwood Farms & Utility Systems	P131	G	0.063	0.085	0.085
<b>Marion County Totals</b>					<b>0.063</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.261</b>	<b>Estimated, mgd, 14 WUPs</b>	
					<b>0.324</b>	<b>Total, mgd</b>	
Pasco	540	Holiday Gardens Utilities, LLC	P130	G	0.051	0.100	0.100
Pasco	543	Crestridge Utilities, LLC	P130	G	0.064	0.100	0.100
Pasco	2043	Orangewood Lakes MHC Inc	P130	G	0.087	0.083	0.083
Pasco	9666	Alfred Heiler	P131	G	0.053	0.061	0.061
Pasco	11131	Tampa Bay Water (Triangle Lake Augmentation)	P020	G	0.000	0.084	0.084
Pasco	11132	Tampa Bay Water (Monsees Pond Augmentation)	P020	G	0.058	0.200	0.200
Pasco	13348	Pasco Co (Grassy Lake Augmentation)	P020	S	0.243	0.180	0.180
<b>Pasco County Totals</b>					<b>0.556</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>1.210</b>	<b>Estimated, mgd, 30 WUPs</b>	
					<b>1.766</b>	<b>Total, mgd</b>	
Pinellas	10350	Utilities Inc, Lake Tarpon	P131	G	0.042	0.084	0.084
Pinellas	12905	City of St. Petersburg	P080	G	0.000	0.070	0.070
<b>Pinellas County Totals</b>					<b>0.042</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.067</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.109</b>	<b>Total, mgd</b>	
Polk	143	Mountain Lake Corp	P130	G	0.055	3.380	0.092
Polk	494	Florida Dept of Corrections	P131	G	0.088	0.090	0.090
Polk	1616	Lake Region Mobile Home Owners, Inc	P130	G	0.005	0.063	0.063

## 2018 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, 2018**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Withdrawal <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply <sup>4</sup>
Polk	5868	Sun Rainbow RV, LLC	P130	G	0.023	0.050	0.050
Polk	8753	GCP Plantation Landings, LLC	P130	G	0.045	0.070	0.057
Polk	10141	Polk County Utilities Division	P120	G	0.000	0.257	0.257
Polk	12217	Winter Haven Associates	P131	G	0.052	0.050	0.050
<b>Polk County Totals</b>					<b>0.268</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>1.216</b>	<b>Estimated, mgd, 51 WUPs</b>	
					<b>1.484</b>	<b>Total, mgd</b>	
Sarasota	12926	PRMRWSA Operational Flexibility	P105	G	0.000	7.251	7.251
Sarasota	12926	PRMRWSA Operational Flexibility	P105	S	0.000	7.251	7.251
<b>Sarasota County Totals</b>					<b>0.000</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.101</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.101</b>	<b>Total, mgd</b>	
Sumter	6793	Rainforest RV, Inc	P130	G	0.018	0.224	0.032
Sumter	11778	Village Center CDD	P040	G	0.009	0.170	0.114
Sumter	13123	Loan Portfolio Solutions, LLC	P131	G	0.033	0.114	0.061
<b>Sumter County Totals</b>					<b>0.060</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.156</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>0.216</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>5.867</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>4.389</b>	<b>Estimated, mgd, 199 WUPs</b>	
					<b>10.256</b>	<b>Public Supply Total (mgd) for non-PSAR WUPs</b>	

Data source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

- <sup>1</sup> 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.
- <sup>2</sup> Source: G = Groundwater; S = Surface Water
- <sup>3</sup> 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.
- <sup>4</sup> 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.

## **2018 ESTIMATED WATER USE REPORT**

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.

## 2018 ESTIMATED WATER USE REPORT

**TABLE A-2.** This table presents information given by permittees on Part B of the PSAR form regarding the end use of water for specific use categories. The Gross Use is the same amount shown in Table A-1. The percentages for residential use are the proportion of water supplied to single family and multifamily dwellings units, mobile homes, and RV parks. The percentages are for the specific use categories of industrial/commercial (I/C), agriculture (AG), landscape/recreation use excluding golf courses, (L/R), and golf course irrigation (GC). Percentages are also shown for the proportion 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). Such water losses may be the result of leaking pipelines, pipeline breaks, users tapping into supply lines illegally, and under-registering customer meters.

The quantities supplied for residences only 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 this report.

**Table A-2. 2018 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	1.153	76.4	12.0	0.0	0.0	0.0	1.7	9.9	0.881	6,092	145	0.138	0.000	0.000	0.000	0.020	0.114
Charlotte	871	City of Punta Gorda	Y	5.106	68.1	12.4	0.0	5.0	0.0	2.3	12.2	3.475	38,702	90	0.634	0.000	0.254	0.000	0.117	0.625
Charlotte	1512	Charlotte Harbor	Y	0.343	76.3	18.0	0.0	0.0	0.0	0.0	5.7	0.262	4,483	58	0.062	0.000	0.000	0.000	0.000	0.020
Charlotte	3522	Charlotte Co Utilities	Y	0.427	70.5	9.7	0.0	0.0	0.0	2.1	17.6	0.301	7,017	43	0.042	0.000	0.000	0.000	0.009	0.075
Charlotte	7104	Charlotte Co Utilities	Y	9.830	73.2	15.2	0.0	1.4	0.0	0.5	9.7	7.194	132,185	54	1.495	0.000	0.140	0.000	0.045	0.956
<b>Charlotte County Totals</b>				<b>16.859</b>	<b>71.8</b>	<b>14.1</b>	<b>0.0</b>	<b>2.3</b>	<b>0.0</b>	<b>1.1</b>	<b>10.6</b>	<b>12.113</b>	<b>188,479</b>	<b>64</b>	<b>2.371</b>	<b>0.000</b>	<b>0.395</b>	<b>0.000</b>	<b>0.191</b>	<b>1.789</b>
Citrus	207	City of Crystal River	Y	0.776	31.9	31.1	0.0	0.0	0.0	0.0	37.0	0.248	5,726	43	0.241	0.000	0.000	0.000	0.000	0.287
Citrus	419	City of Inverness	Y	1.059	53.3	39.6	0.0	0.0	0.0	0.0	7.1	0.564	9,710	58	0.419	0.000	0.000	0.000	0.000	0.075
Citrus	1118	Floral City Water	Y	0.325	77.6	6.0	0.0	1.5	0.0	4.4	10.5	0.252	5,087	50	0.019	0.000	0.005	0.000	0.014	0.034
Citrus	2842	Citrus County	Y	2.403	70.4	1.4	0.0	0.0	0.0	4.9	23.3	1.692	18,339	92	0.034	0.000	0.000	0.000	0.117	0.560
Citrus	4153	Rolling Oaks Utilities	Y	1.502	67.7	5.8	0.0	0.0	0.0	10.1	16.5	1.016	11,356	89	0.087	0.000	0.000	0.000	0.151	0.247
Citrus	4406	Homosassa Water D	Y	0.765	49.6	23.2	0.0	0.0	0.0	0.6	26.5	0.380	5,765	66	0.178	0.000	0.000	0.000	0.005	0.202
Citrus	6691	Gulf Highway Corp	Y	0.054	93.9	0.0	0.0	0.0	0.0	0.0	6.1	0.050	576	87	0.000	0.000	0.000	0.000	0.000	0.003
Citrus	7121	Citrus Co & WRWSA	Y	4.025	68.6	20.1	0.0	0.0	0.0	2.4	8.9	2.759	25,035	110	0.811	0.000	0.000	0.000	0.095	0.360
Citrus	9791	Citrus County	Y	1.991	64.5	1.8	0.0	0.0	0.0	3.8	29.9	1.285	11,998	107	0.035	0.000	0.000	0.000	0.075	0.596
Citrus	11839	Walden Woods	Y	0.144	77.5	0.0	0.0	2.6	0.0	0.1	5.5	0.111	1,019	109	0.000	0.000	0.004	0.000	0.000	0.008
Citrus	20230	Ozello Water Assoc	Y	0.318	63.2	34.3	4.4	0.0	0.0	0.0	0.0	0.201	4,676	43	0.109	0.014	0.000	0.000	0.000	0.000
<b>Citrus County Totals</b>				<b>13.360</b>	<b>64.1</b>	<b>14.5</b>	<b>0.1</b>	<b>0.1</b>	<b>0.0</b>	<b>3.4</b>	<b>17.8</b>	<b>8.559</b>	<b>99,288</b>	<b>86</b>	<b>1.934</b>	<b>0.014</b>	<b>0.008</b>	<b>0.000</b>	<b>0.458</b>	<b>2.373</b>



## 2018 ESTIMATED WATER USE REPORT

**Table A-2. 2018 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	0.879	53.9	23.0	0.0	0.0	0.0	0.2	22.9	0.473	10,702	44	0.202	0.000	0.000	0.000	0.002	0.201
Desoto	20457	DeSoto County Util	Y	0.436	37.0	33.9	0.0	0.0	0.0	0.0	29.1	0.161	5,335	30.26	0.148	0.000	0.000	0.000	0.000	0.127
<b>Desoto County Totals</b>				<b>1.315</b>	<b>48.3</b>	<b>26.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.1</b>	<b>25.0</b>	<b>0.635</b>	<b>16,037</b>	<b>40</b>	<b>0.350</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.002</b>	<b>0.328</b>
Hardee	30	City of Bowling Green	Y	0.215	75.5	12.1	0.0	0.0	0.0	0.0	-6.6	0.163	3,979	41	0.026	0.000	0.000	0.000	0.000	-0.014
Hardee	4461	City of Wauchula	Y	0.645	51.0	38.8	0.0	2.2	0.0	4.0	3.9	0.329	6,397	52	0.251	0.000	0.014	0.000	0.026	0.025
Hardee	7658	Town of Zolfo Springs	Y	0.162	48.7	37.4	0.0	0.0	0.0	8.5	5.5	0.079	2,496	32	0.061	0.000	0.000	0.000	0.014	0.009
Hardee	13026	Hardee County Util	Y	0.127	70.8	15.5	0.0	1.6	0.0	0.9	11.3	0.090	2,901	31	0.020	0.000	0.002	0.000	0.001	0.014
<b>Hardee County Totals</b>				<b>1.150</b>	<b>57.5</b>	<b>31.0</b>	<b>0.0</b>	<b>1.4</b>	<b>0.0</b>	<b>3.6</b>	<b>3.0</b>	<b>0.661</b>	<b>15,773</b>	<b>42</b>	<b>0.357</b>	<b>0.000</b>	<b>0.016</b>	<b>0.000</b>	<b>0.041</b>	<b>0.034</b>
Hernando	5789	Hernando Co Utilities	Y	17.796	73.1	9.1	0.0	1.7	0.0	7.2	8.9	13.004	144,783	90	1.624	0.000	0.301	0.000	1.276	1.591
Hernando	7627	City of Brooksville	Y	1.265	52.0	38.5	0.0	0.0	0.0	1.3	8.3	0.657	16,708	39	0.487	0.000	0.000	0.000	0.016	0.105
<b>Hernando County Totals</b>				<b>19.060</b>	<b>71.7</b>	<b>11.1</b>	<b>0.0</b>	<b>1.6</b>	<b>0.0</b>	<b>6.8</b>	<b>8.9</b>	<b>13.662</b>	<b>161,491</b>	<b>85</b>	<b>2.111</b>	<b>0.000</b>	<b>0.301</b>	<b>0.000</b>	<b>1.292</b>	<b>1.695</b>
Highlands	4167	HC Waterworks	Y	0.127	53.7	4.4	0.0	0.0	0.0	0.3	41.6	0.068	1,334	51	0.006	0.000	0.000	0.000	0.000	0.053
Highlands	4492	City of Sebring	Y	4.105	67.6	12.5	0.0	0.0	0.0	8.5	11.5	2.775	37,306	74	0.512	0.000	0.000	0.000	0.348	0.470
Highlands	4980	Lake Placid Hold Co	Y	0.279	81.0	2.9	0.0	0.0	0.0	7.1	9.1	0.226	4,415	51	0.008	0.000	0.000	0.000	0.020	0.025
Highlands	5270	Town of Lake Placid	Y	0.590	61.3	24.3	0.0	1.6	0.0	3.1	9.6	0.361	7,289	50	0.143	0.000	0.009	0.000	0.019	0.057
Highlands	6029	City of Avon Park	Y	1.848	78.5	18.9	0.0	0.0	0.0	1.6	1.0	1.450	22,356	65	0.349	0.000	0.000	0.000	0.030	0.019
Highlands	7139	Buttonwood Bay Util	Y	0.172	69.8	0.0	0.0	0.0	0.0	7.2	23.0	0.120	1,646	73	0.000	0.000	0.000	0.000	0.012	0.039
Highlands	13099	Sun N Lake of Sebring	Y	0.604	61.6	31.6	0.0	3.2	0.0	2.9	0.7	0.372	7,486	50	0.191	0.000	0.020	0.000	0.018	0.004
<b>Highlands County Totals</b>				<b>7.725</b>	<b>69.6</b>	<b>15.7</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>5.8</b>	<b>8.6</b>	<b>5.373</b>	<b>81,832</b>	<b>66</b>	<b>1.209</b>	<b>0.000</b>	<b>0.029</b>	<b>0.000</b>	<b>0.446</b>	<b>0.668</b>
Hillsborough	450	City of Temple Terrace	Y	3.518	64.5	20.2	0.0	1.3	0.0	0.0	14.0	2.270	30,896	73	0.710	0.000	0.046	0.000	0.000	0.491
Hillsborough	1776	City of Plant City	Y	5.937	45.2	41.3	0.0	0.8	0.0	3.6	9.2	2.683	40,116	67	2.450	0.000	0.047	0.000	0.213	0.544
Hillsborough	2062	City of Tampa	Y	69.299	59.3	33.5	0.0	1.3	0.0	0.2	5.7	41.114	624,794	66	23.184	0.000	0.917	0.001	0.153	3.929
Hillsborough	2285	Davpam MHC	Y	0.132	95.2	0.0	0.0	0.0	0.0	0.0	4.8	0.126	1,219	103	0.000	0.000	0.000	0.000	0.000	0.006
Hillsborough	6879	The Meadows MHC	Y	0.244	99.0	0.0	0.0	0.0	0.0	0.5	0.5	0.242	2,315	104	0.000	0.000	0.000	0.000	0.001	0.001
Hillsborough	7637	Riverside Golf Course	Y	0.620	38.1	0.0	0.0	0.0	58.7	0.0	3.1	0.237	1,264	187	0.000	0.000	0.000	0.364	0.000	0.019
Hillsborough	7790	Paradise Village MHC	Y	0.080	92.3	0.0	0.0	0.0	0.0	0.0	7.6	0.074	1,439	51	0.000	0.000	0.000	0.000	0.000	0.006
Hillsborough	10443	Windemere Utility	Y	0.235	99.7	0.0	0.0	0.0	0.0	0.0	0.0	0.234	2,776	84	0.000	0.000	0.000	0.000	0.000	0.000

## 2018 ESTIMATED WATER USE REPORT

**Table A-2. 2018 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	62.255	79.6	11.6	0.0	0.0	0.0	0.0	8.8	49.552	632,342	78	7.217	0.000	0.000	0.000	0.000	5.487
<b>Hillsborough County Totals</b>				<b>142.320</b>	<b>67.8</b>	<b>23.6</b>	<b>0.0</b>	<b>0.7</b>	<b>0.3</b>	<b>0.3</b>	<b>7.4</b>	<b>96.532</b>	<b>1,337,161</b>	<b>72</b>	<b>33.560</b>	<b>0.000</b>	<b>1.010</b>	<b>0.365</b>	<b>0.368</b>	<b>10.484</b>
<b>There was no significant public supply use in the SWFWMD portion of Lake County</b>																				
Levy	5640	City of Williston	Y	0.617	30.7	48.5	0.0	0.0	0.0	1.9	19.0	0.189	3,265	58	0.299	0.000	0.000	0.000	0.012	0.117
Levy	8953	Town of Inglis	Y	0.093	75.5	19.1	0.0	0.0	0.0	0.3	5.3	0.070	1,650	43	0.018	0.000	0.000	0.000	0.000	0.005
<b>Levy County Totals</b>				<b>0.710</b>	<b>36.5</b>	<b>44.6</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.7</b>	<b>17.2</b>	<b>0.259</b>	<b>4,915</b>	<b>53</b>	<b>0.317</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.012</b>	<b>0.122</b>
Manatee	6392	City of Bradenton	Y	6.006	64.2	20.1	0.0	0.0	0.0	3.9	11.7	3.859	71,749	54	1.207	0.000	0.000	0.000	0.235	0.705
Manatee	10963	Town of Longboat Key	Y	1.826	82.4	5.8	0.0	0.0	0.0	1.9	9.9	1.505	19,910	76	0.105	0.000	0.000	0.000	0.034	0.181
Manatee	12443	City of Palmetto	Y	1.432	57.7	18.7	0.0	0.0	0.0	0.6	23.0	0.826	17,180	48	0.267	0.000	0.000	0.000	0.008	0.330
Manatee	13343	Manatee County Util	Y	31.041	72.5	22.1	0.0	0.0	0.0	0.8	4.6	22.497	358,722	63	6.874	0.000	0.000	0.000	0.248	1.422
<b>Manatee County Totals</b>				<b>40.306</b>	<b>71.2</b>	<b>21.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.3</b>	<b>6.5</b>	<b>28.688</b>	<b>467,561</b>	<b>61</b>	<b>8.453</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.526</b>	<b>2.638</b>
Marion	1156	Bay Laurel CDD	Y	3.013	86.5	2.0	0.0	4.8	0.0	0.6	6.1	2.607	12,931	202	0.059	0.000	0.145	0.000	0.018	0.184
Marion	2999	Marion Utilities Inc	Y	0.096	74.7	3.8	0.0	0.0	0.0	2.0	19.9	0.072	1,112	65	0.004	0.000	0.000	0.000	0.002	0.019
Marion	5643	Utilities Inc of FL	Y	0.136	81.4	6.0	0.0	0.0	0.0	1.3	11.4	0.111	1,000	111	0.008	0.000	0.000	0.000	0.002	0.015
Marion	6151	Marion Co Utilities	Y	4.817	73.4	14.6	0.0	0.0	0.0	1.1	10.9	3.534	37,062	95	0.701	0.000	0.000	0.000	0.055	0.527
Marion	6792	Sun Com Operating	Y	0.077	96.9	0.0	0.0	0.0	0.0	0.0	3.2	0.074	598	124	0.000	0.000	0.000	0.000	0.000	0.002
Marion	7849	Marion Utilities Inc	Y	0.118	88.1	2.3	0.0	0.0	0.0	2.7	6.7	0.104	1,087	96	0.003	0.000	0.000	0.000	0.003	0.008
Marion	8005	Century Fairfield	Y	0.066	56.0	0.0	0.0	8.2	0.0	0.2	34.2	0.037	557	66	0.000	0.000	0.005	0.000	0.000	0.023
Marion	8020	Marion Landing	Y	0.127	77.6	0.0	0.0	0.4	0.0	12.5	9.3	0.099	1,127	87	0.000	0.000	0.001	0.000	0.016	0.012
Marion	8339	City of Dunnellon	Y	0.961	50.9	6.6	0.0	0.0	0.8	1.9	39.8	0.489	6,254	78	0.064	0.000	0.000	0.008	0.018	0.382
Marion	8481	Spruce Creek Dev	Y	0.644	85.1	0.2	0.0	0.0	0.0	0.8	13.9	0.548	6,303	87	0.002	0.000	0.000	0.000	0.005	0.089
<b>Marion County Totals</b>				<b>10.055</b>	<b>76.3</b>	<b>8.4</b>	<b>0.0</b>	<b>1.5</b>	<b>0.1</b>	<b>1.2</b>	<b>12.6</b>	<b>7.673</b>	<b>68,030</b>	<b>113</b>	<b>0.840</b>	<b>0.000</b>	<b>0.151</b>	<b>0.008</b>	<b>0.119</b>	<b>1.262</b>
Pasco	279	Aqua Utilities FL Inc	Y	0.201	85.7	4.0	0.0	0.0	0.0	1.0	9.3	0.172	3,553	48	0.008	0.000	0.000	0.000	0.002	0.019
Pasco	540	Mad Hatter Utility	Y	0.934	77.5	19.7	0.0	0.0	0.0	0.3	2.4	0.724	8,609	84	0.184	0.000	0.000	0.000	0.003	0.023
Pasco	964	C S Water Co Inc	Y	0.080	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.080	939	85	0.000	0.000	0.000	0.000	0.000	0.000
Pasco	1631	City of Dade City	Y	1.316	64.4	17.4	0.0	0.0	0.0	1.0	17.3	0.847	12,530	68	0.229	0.000	0.000	0.000	0.013	0.227
Pasco	2978	FGUA Gulf Harbor	Y	0.056	97.1	0.0	0.0	0.0	0.0	0.0	3.0	0.054	1,040	52	0.000	0.000	0.000	0.000	0.000	0.002

## 2018 ESTIMATED WATER USE REPORT

**Table A-2. 2018 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	3182	FGUA Seven Springs	Y	2.422	77.4	12.1	0.0	0.0	0.0	0.7	9.9	1.875	30,570	61	0.292	0.000	0.000	0.000	0.016	0.239
Pasco	3590	Utilities Inc of FL	Y	0.213	85.6	0.0	0.0	0.0	0.0	0.3	14.1	0.182	3,772	48	0.000	0.000	0.000	0.000	0.001	0.030
Pasco	3677	FGUA Colonial Manor	Y	0.084	87.7	2.5	0.0	0.0	0.0	0.0	9.8	0.074	1,612	46	0.002	0.000	0.000	0.000	0.000	0.008
Pasco	3692	City of Port Richey	Y	0.706	59.6	23.3	0.0	0.0	0.0	1.6	15.5	0.421	7,704	55	0.165	0.000	0.000	0.000	0.012	0.109
Pasco	4550	City of San Antonio	Y	0.137	77.2	11.3	0.0	0.0	0.0	3.4	8.2	0.105	2,354	45	0.015	0.000	0.000	0.000	0.005	0.011
Pasco	4669	Hudson Water Works	Y	0.619	63.6	12.3	0.0	0.0	0.0	13.6	10.5	0.393	7,148	55	0.076	0.000	0.000	0.000	0.084	0.065
Pasco	4734	City of New Port Richey	Y	3.267	54.3	16.6	0.0	0.0	0.0	0.9	28.1	1.775	35,239	50	0.543	0.000	0.000	0.000	0.031	0.919
Pasco	6040	City of Zephyrhills	Y	2.340	54.2	30.9	0.0	5.9	0.0	1.1	7.9	1.268	27,734	46	0.722	0.000	0.138	0.000	0.026	0.185
Pasco	7999	FGUA Angus Valley	Y	0.128	91.0	0.0	0.0	0.0	0.0	0.1	8.9	0.116	2,010	58	0.000	0.000	0.000	0.000	0.000	0.011
Pasco	8417	FGUA Aloha Gardens	Y	0.399	76.0	12.9	0.0	0.0	0.0	0.8	10.3	0.303	7,962	38	0.051	0.000	0.000	0.000	0.003	0.041
Pasco	11863	Pasco Co Utilities	Y	30.100	72.9	12.0	0.0	3.3	0.0	0.2	11.5	21.952	290,200	76	3.627	0.000	0.996	0.000	0.060	3.465
<b>Pasco County Totals</b>				<b>43.611</b>	<b>70.7</b>	<b>13.8</b>	<b>0.0</b>	<b>2.6</b>	<b>0.0</b>	<b>0.6</b>	<b>12.3</b>	<b>30.813</b>	<b>448,319</b>	<b>69</b>	<b>6.040</b>	<b>0.000</b>	<b>1.134</b>	<b>0.000</b>	<b>0.262</b>	<b>5.363</b>
Pinellas	742	City of Tarpon Springs	Y	2.530	66.6	23.7	0.0	4.5	0.0	0.1	5.1	1.686	27,674	61	0.599	0.000	0.114	0.000	0.003	0.128
Pinellas	2980	City of Dunedin	Y	3.461	70.4	19.7	0.0	0.2	0.0	0.0	9.8	2.436	45,395	54	0.681	0.000	0.006	0.000	0.001	0.338
Pinellas	2981	City of Clearwater	Y	11.096	60.9	28.3	0.0	0.0	0.0	2.5	8.4	6.754	146,669	46	3.138	0.000	0.000	0.000	0.272	0.931
Pinellas	7692	Town of Belleair	Y	0.787	81.9	8.3	0.0	2.4	0.0	0.0	7.4	0.644	5,693	113	0.065	0.000	0.019	0.000	0.000	0.058
Pinellas	10795	City of Gulfport	Y	0.927	78.1	10.5	0.0	0.0	0.0	2.9	8.4	0.724	14,634	49	0.098	0.000	0.000	0.000	0.027	0.078
Pinellas	11218	City of Oldsmar	Y	1.391	62.3	28.2	0.0	0.0	0.0	4.8	4.6	0.867	17,374	50	0.393	0.000	0.000	0.000	0.067	0.064
Pinellas	11245	City of Safety Harbor	Y	1.439	100	0	0	0	0	0	0	1.439	15,183	95	0.000	0.000	0.000	0.000	0.000	0.000
Pinellas	12351	City of Pinellas Park	Y	4.624	73.6	21.9	0.0	0.0	0.0	0.7	3.8	3.404	91,547	37	1.014	0.000	0.000	0.000	0.032	0.175
Pinellas	20142	Pinellas County	Y	37.067	72.8	18.7	0.0	0.0	0.0	0.6	7.9	26.997	506,353	53	6.936	0.000	0.000	0.000	0.223	2.911
Pinellas	20143	City of St Petersburg	Y	26.994	60.9	23.6	0.0	0.3	0.0	0.0	15.1	16.450	347,050	47	6.378	0.000	0.092	0.000	0.000	4.075
<b>Pinellas County Totals</b>				<b>90.315</b>	<b>68.0</b>	<b>21.4</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.7</b>	<b>9.7</b>	<b>61.400</b>	<b>1,217,572</b>	<b>50</b>	<b>19.300</b>	<b>0.000</b>	<b>0.231</b>	<b>0.000</b>	<b>0.626</b>	<b>8.757</b>
Polk	341	City of Bartow	Y	2.730	59.1	27.9	0.0	4.5	0.0	0.3	8.2	1.614	25,742	63	0.761	0.000	0.124	0.000	0.007	0.225
Polk	645	City of Fort Meade	Y	0.535	69.2	21.1	0.0	0.2	0.0	1.0	8.6	0.370	5,660	65	0.113	0.000	0.001	0.000	0.005	0.046
Polk	1625	Four Lakes Golf Club	Y	0.298	65.3	0.0	0.0	3.4	31.7	1.8	-2.2	0.195	1,448	135	0.000	0.000	0.010	0.095	0.005	-0.006
Polk	2332	Town of Lake Hamilton	Y	0.238	53.2	16.6	0.0	0.0	0.0	0.6	29.5	0.127	1,761	72	0.040	0.000	0.000	0.000	0.001	0.070

## 2018 ESTIMATED WATER USE REPORT

**Table A-2. 2018 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	3415	Orchid Springs Dev	Y	0.063	92.8	0.7	0.0	0.0	0.0	0.8	5.7	0.058	1,005	58	0.000	0.000	0.000	0.000	0.000	0.004
Polk	4005	Crooked Lake Park	Y	0.219	68.9	27.4	0.0	0.0	0.0	2.3	1.5	0.151	2,587	58	0.060	0.000	0.000	0.000	0.005	0.003
Polk	4607	City of Winter Haven	Y	9.490	65.2	19.9	0.0	7.0	0.0	1.4	6.5	6.191	82,465	75	1.889	0.000	0.666	0.000	0.130	0.614
Polk	4658	City of Lake Wales	Y	2.588	63.6	13.8	0.0	1.8	0.0	7.5	13.4	1.645	22,263	74	0.357	0.000	0.047	0.000	0.193	0.346
Polk	4912	City of Lakeland	Y	20.564	64.4	27.7	0.0	1.8	0.1	0.4	5.6	13.242	180,792	73	5.688	0.000	0.369	0.024	0.081	1.160
Polk	5251	Grenelefe Resort	Y	0.977	39.1	0.3	0.0	0.1	52.3	1.0	7.3	0.382	2,714	141	0.003	0.000	0.001	0.511	0.010	0.071
Polk	5750	City of Davenport	Y	1.255	83.8	4.1	0.0	2.1	0.0	5.5	4.5	1.052	9,193	114	0.051	0.000	0.026	0.000	0.070	0.057
Polk	5868	Rainbow Resort	Y	0.134	92.3	0.0	0.0	0.0	0.0	1.2	6.4	0.123	1,042	118	0.000	0.000	0.000	0.000	0.002	0.009
Polk	5870	City of Frostproof	Y	0.403	44.0	26.4	2.4	3.9	0.0	4.1	19.1	0.177	3,220	55	0.106	0.010	0.016	0.000	0.016	0.077
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	0.000	0.010	0.000	0.013	0.061
Polk	6124	City of Mulberry	Y	0.389	53.7	36.3	0.0	3.5	0.0	3.2	3.2	0.209	4,631	45	0.141	0.000	0.014	0.000	0.013	0.012
Polk	6174	Saddlebag Lake	Y	0.088	98.3	0.0	0.0	0.0	0.0	0.0	1.7	0.086	1,332	65	0.000	0.000	0.000	0.000	0.000	0.001
Polk	6505	Polk County Utilities NWURUSA	Y	2.572	90.0	4.8	0.0	0.7	0.0	0.3	4.2	2.315	32,287	72	0.122	0.000	0.018	0.000	0.009	0.107
Polk	6506	Polk County Utilities SWURUSA	Y	3.228	84.8	3.1	0.0	1.0	0.0	2.3	8.9	2.737	44,463	62	0.100	0.000	0.032	0.000	0.073	0.287
Polk	6507	Polk County Utilities CRUSA	Y	0.977	86.9	7.2	0.0	1.4	0.0	0.8	3.6	0.849	14,418	59	0.071	0.000	0.014	0.000	0.008	0.035
Polk	6508	Polk County Utilities SERUSA	Y	0.575	38.9	56.9	0.0	0.2	0.0	0.5	3.6	0.224	5,344	42	0.327	0.000	0.001	0.000	0.003	0.020
Polk	6509	Polk County Utilities NERUSA	Y	7.336	86.5	7.4	0.0	1.1	0.0	0.5	4.4	6.347	73,267	87	0.542	0.000	0.082	0.000	0.039	0.325
Polk	6624	City of Lake Alfred	Y	0.954	78.6	12.3	0.0	1.0	0.0	0.3	7.8	0.750	8,215	91	0.117	0.000	0.010	0.000	0.003	0.075
Polk	6920	City of Eagle Lake	Y	0.322	81.3	8.1	0.0	2.1	0.0	0.9	7.6	0.262	3,837	68	0.026	0.000	0.007	0.000	0.003	0.024
Polk	7119	City of Auburndale	Y	4.746	54.1	39.9	0.0	8.3	0.0	0.5	-2.9	2.570	31,557	81	1.894	0.000	0.396	0.000	0.025	-0.138
Polk	7187	CHC Century Realty	Y	0.260	39.1	0.0	0.0	8.4	38.5	3.0	11.0	0.102	1,482	69	0.000	0.000	0.022	0.100	0.008	0.029
Polk	7328	Carefree RV	Y	0.123	61.4	0.0	0.0	0.0	38.6	0.0	0.0	0.076	979	77	0.000	0.000	0.000	0.048	0.000	0.000
Polk	7878	FGUA Aqua Utilities	Y	0.139	80.6	2.5	0.0	0.0	0.0	7.7	9.2	0.112	2,253	50	0.004	0.000	0.000	0.000	0.011	0.013
Polk	8054	Polk County Utilities	Y	0.465	69.3	2.8	0.0	0.0	0.0	6.1	21.8	0.322	6,617	49	0.013	0.000	0.000	0.000	0.028	0.101
Polk	8344	S V Utilities Ltd	Y	0.139	69.8	0.0	0.0	12.1	0.0	10.1	7.9	0.097	1,379	70	0.000	0.000	0.017	0.000	0.014	0.011

## 2018 ESTIMATED WATER USE REPORT

**Table A-2. 2018 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	8468	City of Polk City	Y	0.356	84.3	5.5	0.0	0.0	0.0	0.3	9.9	0.300	7,176	42	0.020	0.000	0.000	0.000	0.001	0.035
Polk	8522	City of Haines City	Y	4.707	73.8	14.4	0.0	6.2	0.0	0.2	5.5	3.474	36,521	95	0.676	0.000	0.290	0.000	0.009	0.258
Polk	8753	Plantation Landing		0.061	83.9	0.0	0.0	0.6	0.0	0.3	14.5	0.051	748	68	0.000	0.000	0.000	0.000	0.000	0.009
Polk	8967	Sweetwater Com	Y	0.108	71.2	0.0	0.0	0.0	28.8	0.0	0.0	0.077	698	110	0.000	0.000	0.000	0.031	0.000	0.000
Polk	10141	Polk County Utilities Ovation Facility		0.008	0.0	100	0.0	0.0	0.0	0.0	0.0	0.000	0	0	0.008	0.000	0.000	0.000	0.000	0.000
Polk	12800	Polk County Utilities Jordan's Grove	Y	0.148	54.8	25.3	0.0	0.4	0.0	0.0	19.5	0.081	489	166	0.037	0.000	0.001	0.000	0.000	0.029
Polk	13043	Cypress Lakes Util.	Y	0.176	83.1	0.0	0.0	0.0	0.0	1.3	15.6	0.146	3,000	49	0.000	0.000	0.000	0.000	0.002	0.027
<b>Polk County Totals</b>				<b>68.020</b>	<b>69.1</b>	<b>19.5</b>	<b>0.0</b>	<b>3.2</b>	<b>1.2</b>	<b>1.2</b>	<b>5.9</b>	<b>47.003</b>	<b>626,613</b>	<b>75</b>	<b>13.242</b>	<b>0.010</b>	<b>2.171</b>	<b>0.808</b>	<b>0.788</b>	<b>3.998</b>
Sarasota	2923	City of North Port	Y	3.108	63.7	11.3	0.0	0.0	0.0	1.4	23.5	1.981	53,453	37	0.352	0.000	0.000	0.000	0.045	0.730
Sarasota	4318, 10224, 10225	City of Sarasota	Y	6.313	58.1	34.3	0.0	0.2	0.0	0.8	6.6	3.669	80,503	46	2.167	0.000	0.012	0.000	0.051	0.416
Sarasota	4866	Englewood W. Dist.	Y	2.774	70.7	13.0	0.0	0.5	0.0	0.2	15.6	1.962	37,214	53	0.361	0.000	0.013	0.000	0.005	0.432
Sarasota	5393	City of Venice	Y	2.106	64.4	28.6	0.0	0.0	0.0	0.0	6.9	1.357	35,697	38	0.602	0.000	0.000	0.000	0.000	0.146
Sarasota	5807	Camelot Communities	Y	0.324	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.324	1,829	177	0.000	0.000	0.000	0.000	0.000	0.000
Sarasota	7448	Sun-N-Fun RV Resort	Y	0.054	85.7	0.0	0.0	14.3	0.0	0.0	0.0	0.047	1,339	35	0.000	0.000	0.008	0.000	0.000	0.000
Sarasota	8836	Sarasota County	Y	18.988	72.4	17.9	0.0	0.0	0.0	0.0	9.7	13.754	234,659	59	3.393	0.000	0.000	0.000	0.000	1.841
<b>Sarasota County Totals</b>				<b>33.667</b>	<b>68.6</b>	<b>20.4</b>	<b>0.0</b>	<b>0.1</b>	<b>0.0</b>	<b>0.3</b>	<b>10.6</b>	<b>23.093</b>	<b>444,693</b>	<b>52</b>	<b>6.875</b>	<b>0.000</b>	<b>0.032</b>	<b>0.000</b>	<b>0.101</b>	<b>3.566</b>
Sumter	1368	Lake Panasoffkee Water Association	Y	0.256	80.7	19.3	0.0	0.0	0.0	0.0	0.0	0.207	3,984	52	0.049	0.000	0.000	0.000	0.000	0.000
Sumter	6519	City of Bushnell	Y	0.484	21.6	65.9	0.0	0.0	0.0	4.4	8.1	0.105	3,874	27	0.319	0.000	0.000	0.000	0.021	0.039
Sumter	7185	City of Webster	Y	0.081	53.6	35.7	0.0	0.0	0.0	3.6	7.2	0.043	922	47	0.029	0.000	0.000	0.000	0.003	0.006
Sumter	8135	City of Wildwood	Y	2.100	31.9	44.0	0.0	0.0	0.0	1.8	22.3	0.671	19,903	34	0.924	0.000	0.000	0.000	0.038	0.467
Sumter	8193	City of Center Hill	Y	0.066	79.6	5.2	0.0	0.0	0.0	6.0	9.3	0.052	1,170	45	0.003	0.000	0.000	0.000	0.004	0.006
Sumter	12584	Orange Blossom Util	Y	0.022	0.0	70.5	0.0	20.9	0.0	0.0	5.5	0.000	0	na	0.016	0.000	0.005	0.000	0.000	0.001
Sumter	13005	Village Center CDD	Y	19.278	82.1	4.5	0.0	10.9	0.0	1.2	1.3	15.823	88,453	179	0.867	0.000	2.097	0.000	0.232	0.259
Sumter	20597	Wildwood CCC	Y	0.120	67.0	22.6	0.0	0.0	0.0	2.6	7.9	0.081	1,598	50	0.027	0.000	0.000	0.000	0.003	0.009
<b>Sumter County totals</b>				<b>22.408</b>	<b>75.8</b>	<b>10.0</b>	<b>0.0</b>	<b>9.4</b>	<b>0.0</b>	<b>1.3</b>	<b>3.5</b>	<b>16.981</b>	<b>119,903</b>	<b>142</b>	<b>2.235</b>	<b>0.000</b>	<b>2.101</b>	<b>0.000</b>	<b>0.301</b>	<b>0.788</b>

## 2018 ESTIMATED WATER USE REPORT

**Table A-2. 2018 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)
<b>Northern Planning Region</b>				65.593	71.9	11.3	0.0	3.9	0.0	3.3	9.5	47.134	453,627	104	7.437	0.014	2.561	0.008	2.182	6.240
<b>Tampa Bay Planning Region</b>				276.246	68.3	21.3	0.0	0.9	0.1	0.5	8.9	188.745	3,003,052	63	58.900	0.000	2.375	0.365	1.256	24.604
<b>Southern Planning Region</b>				92.146	70.0	19.6	0.0	0.5	0.0	0.9	9.0	64.528	1,116,770	58	18.050	0.000	0.427	0.000	0.819	8.322
<b>Heartland Planning Region</b>				76.895	69.0	19.3	0.0	2.9	1.1	1.7	6.1	53.037	724,218	73	14.808	0.010	2.217	0.808	1.274	4.700
<b>District Totals &amp; Averages</b>				510.880	69.2	19.4	0.0	1.5	0.2	1.1	8.6	353.444	5,297,666	67	99.195	0.024	7.580	1.181	5.531	43.866

**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.

## 2018 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. 2018 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	0.000	Charlotte	7104	Charlotte County Utilities	0.001
Charlotte	871	City of Punta Gorda	0.451	DeSoto	12926	PRMRWSA	0.405
Charlotte	7104	Charlotte County Utilities	0.000	Sarasota	2923	City of North Port	0.013
Charlotte	7104	Charlotte County Utilities	10.211	DeSoto	10420	PRMRWSA	10.211
Charlotte	99913	El Jobean Water Association	0.065	Charlotte	7104	Charlotte County Utilities	0.065
Charlotte	99916	Riverwood Development, Inc.	0.175	Charlotte	7104	Charlotte County Utilities	0.175
Charlotte	NA	Encore Super Park	0.040	Charlotte	7104	Charlotte County Utilities	0.040
<b>Total Charlotte County Imports:</b>			<b>10.942</b>	<b>Total Exports to/within Charlotte County</b>			<b>10.910</b>
Citrus	7121	Citrus County	0.000	Citrus	4406	Homosassa Special Water District	0.018
Citrus	207	City of Crystal River	0.014	Citrus	7121	Citrus County, Charles A Black Wellfield	0.019
Citrus	20230	Ozello Water Association, Inc.	0.318	Citrus	7121	Citrus County, Charles A Black Wellfield	0.323
Citrus	NA	Forest Hills	0.020	Citrus	7121	Citrus County, Charles A Black Wellfield	0.020
<b>Total Citrus County Imports:</b>			<b>0.352</b>	<b>Total Exports within Citrus County</b>			<b>0.379</b>
DeSoto	10420	PRMRWSA	0.264	Charlotte	871	City of Punta Gorda	0.310
DeSoto	20457	DeSoto County Utilities	0.633	DeSoto	10420	PRMRWSA	0.633
DeSoto	4725	City of Arcadia	0.170	DeSoto	20457	DeSoto County Utilities	0.203
<b>Total Desoto County Imports:</b>			<b>1.067</b>	<b>Total Exports to/within Desoto County</b>			<b>1.146</b>
Hillsborough	1776	City of Plant City	0.008	Polk	4912	City of Lakeland	0.008
Hillsborough	20141	Hillsborough County Wholesale	0.070	Hillsborough	1776	City of Plant City	0.068
Hillsborough	20141	Hillsborough County Wholesale	1.518	Hillsborough	2062	City of Tampa	1.714
Hillsborough	20141	Hillsborough County Wholesale	61.256	Hillsborough	Consolidated	Tampa Bay Water	61.256
Hillsborough	20141	Hillsborough County Wholesale	0.041	Hillsborough	450	City of Temple Terrace	0.000
Hillsborough	Multiple	Tampa Bay Water	0.701	Hillsborough	2062	City of Tampa	0.701
<b>Total Hillsborough County Imports:</b>			<b>63.593</b>	<b>Total Exports to/within Hillsborough County</b>			<b>63.747</b>

## 2018 ESTIMATED WATER USE REPORT

**Table A-3. 2018 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)
Manatee	6392	City of Bradenton	0.214	Manatee	13343	Manatee County Utilities	0.213
Manatee	10963	Town of Longboat Key	1.877	Manatee	13343	Manatee County Utilities	1.877
Manatee	12443	City of Palmetto	1.446	Manatee	13343	Manatee County Utilities	1.450
Manatee	13343	Manatee County Utilities	1.506	Manatee	7345	Mosiatic LLC & Manatee County Utilities	1.506
<b>Total Manatee County Imports:</b>			<b>5.042</b>	<b>Total Exports within Manatee County</b>			<b>5.046</b>
Pasco	2978	FGUA Gulf Harbor	0.048	Pasco	4734	City of New Port Richey	0.047
Pasco	3182	FGUA Seven Springs	0.179	Pasco	11863	Pasco County Utilities	0.179
Pasco	3677	FGUA Colonial Manor	0.085	Pasco	11863	Pasco County Utilities	0.085
Pasco	3692	City of Port Richey	0.007	Pasco	4734	City of New Port Richey	0.006
Pasco	4734	City of New Port Richey	0.070	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	0.070
Pasco	4734	City of New Port Richey	4.780	Pasco	TBW	Tampa Bay Water	4.780
Pasco	6223	Paradise Lakes Utilities	0.006	Pasco	11863	Pasco County Utilities	0.006
Pasco	7745	FGUA-Virginia City	0.003	Pasco	11863	Pasco County Utilities	0.003
Pasco	8417	FGUA Aloha Gardens	0.292	Pasco	11863	Pasco County Utilities	0.292
Pasco	11082	FGUA- American Condominium	0.000	Pasco	11863	Pasco County Utilities	0.000
Pasco	11473	Aripeka West Utility	0.008	Pasco	11863	Pasco County Utilities	0.008
Pasco	11863	Pasco County Utilities	28.165	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	28.500
Pasco	11863	Pasco County Utilities	0.018	Pasco	6040	City of Zephyrhills	0.017
Pasco	99906	Arbor Oaks	0.009	Pasco	11863	Pasco County Utilities	0.009
Pasco	999915	Orchid Lake Utility	0.028	Pasco	11863	Pasco County Utilities	0.028
Pasco	NA	FGUA- Palm Terrace	0.150	Pasco	11863	Pasco County Utilities	0.150
Pasco	Consolidated	Tampa Bay Water	1.940	Pasco	4734	City of New Port Richey	1.940
<b>Total Pasco County Imports:</b>			<b>35.788</b>	<b>Total Exports to/within Pasco County</b>			<b>36.120</b>
Pinellas	742	City of Tarpon Springs	0.008	Pinellas	20142	Pinellas County Utilities	0.008
Pinellas	2981	City of Clearwater	4.422	Pinellas	20142	Pinellas County Utilities	4.392
Pinellas	7692	Town of Belleair	0.001	Pinellas	20142	Pinellas County Utilities	0.001



## 2018 ESTIMATED WATER USE REPORT

**Table A-3. 2018 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)
Pinellas	10795	City of Gulfport	0.927	Pinellas	20143	City of St. Petersburg	0.924
Pinellas	11218	City of Oldsmar	0.008	Pinellas	20142	Pinellas County Utilities	0.008
Pinellas	11245	City of Safety Harbor	1.439	Pinellas	20142	Pinellas County Utilities	1.436
Pinellas	12351	City of Pinellas Park	4.624	Pinellas	20142	Pinellas County Utilities	4.691
Pinellas	20142	Pinellas County Utilities	48.433	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	48.433
Pinellas	20143	City of St. Petersburg	28.104	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	28.500
Pinellas	NA	FGUA	0.038	Pinellas	742	City of Tarpon Springs	0.038
<b>Total Pinellas County Imports:</b>			<b>88.004</b>	<b>Total Exports to/within Pinellas County</b>			<b>88.433</b>
Polk	3415	Orchid Springs Development Corp.	0.002	Polk	4607	City of Winter Haven	0.001
Polk	4658	City of Lake Wales	0.022	Polk	8054	Polk County Utilities	0.018
Polk	6505	Polk County Utilities	0.146	Polk	4912	City of Lakeland	0.191
Polk	6509	Polk County Utilities-NERUSA	0.001	Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.001
Polk	6509	Polk County Utilities-NERUSA	2.176	Polk	53-00126-W	Polk County Utilities (SFWMD)	2.176
Polk	10141	Ovation Utility Service Area	0.008	Polk	6509	Polk County Utilities-NERUSA	0.008
Polk	12800	Jordan's Grove Development	0.030	Polk	6509	Polk County Utilities-NERUSA	0.118
Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.004	Polk	6509	Polk County Utilities-NERUSA	0.004
Polk	7878	FGUA - Village Water Industrial Park	0.096	Polk	4912	City of Lakeland	0.096
<b>Total Polk County Imports:</b>			<b>2.485</b>	<b>Total Exports to/within Polk County</b>			<b>2.612</b>
Sarasota	2923	City of North Port	1.149	DeSoto	10420	PRMRWSA	1.149
Sarasota	2923	City of North Port	0.030	Sarasota	8836/12926	Sarasota County Utilities	0.041
Sarasota	99914	Pluris/Southgate Utilities	0.879	Sarasota	8836/12926	Sarasota County Utilities	0.879
Sarasota	8836/12926	Sarasota County Utilities	4.227	Manatee	13343/7345	Manatee County Utilities	4.462
Sarasota	8836/12926	Sarasota County Utilities	12.731	DeSoto	10420	PRMRWSA	12.387
Sarasota	PWS-6084079	Bocilla Utilities	0.118	Sarasota	4866	Englewood Water District	0.118
<b>Total Sarasota County Imports:</b>			<b>19.135</b>	<b>Total Exports to/within Sarasota County</b>			<b>19.037</b>
<b>Total District Imports:</b>			<b>226.407</b>	<b>Total District Exports:</b>			<b>227.430</b>

## **2018 ESTIMATED WATER USE REPORT**

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, 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.

## 2018 ESTIMATED WATER USE REPORT

**Table A-4. 2018 Metered + Estimated Public Supply Monthly Average Withdrawals (mgd/month) by County**

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>*Charlotte</b>	7.567	9.472	8.210	7.353	5.404	8.098	10.393	8.906	7.837	7.721	7.962	7.442
<b>Citrus</b>	13.449	14.893	16.295	15.733	15.083	13.854	13.007	13.279	13.179	15.028	14.023	12.251
<b>Desoto</b>	28.831	22.424	12.795	5.744	0.768	46.624	51.845	29.536	28.698	38.760	36.482	26.879
<b>Hardee</b>	1.254	1.472	1.501	1.552	1.493	1.481	1.917	1.152	1.261	1.255	1.331	1.564
<b>Hernando</b>	16.723	17.992	19.283	18.625	18.677	18.409	16.990	16.970	16.150	19.338	18.849	16.509
<b>*Highlands</b>	8.567	8.831	9.160	9.072	8.288	8.293	7.976	8.253	8.326	8.589	8.972	9.151
<b>Hillsborough</b>	204.913	221.671	216.129	190.057	201.026	276.118	290.269	249.979	207.321	249.196	220.043	217.577
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0.843	0.901	0.902	0.916	0.893	0.899	0.820	0.844	0.854	0.878	0.910	0.746
<b>Manatee</b>	57.189	48.630	52.132	50.780	48.738	48.062	45.531	42.777	42.000	46.715	49.501	48.307
<b>*Marion</b>	8.092	9.656	11.317	11.753	11.472	10.349	9.231	10.888	11.288	12.572	10.454	8.465
<b>Pasco</b>	30.385	29.339	32.962	33.860	32.195	29.230	29.417	28.807	26.987	29.871	30.797	29.118
<b>Pinellas</b>	34.139	35.243	37.801	38.893	38.671	36.504	35.562	24.925	46.131	35.552	34.827	35.658
<b>*Polk</b>	65.771	68.999	75.200	73.649	68.424	63.856	62.409	62.907	62.687	71.401	69.733	65.485
<b>Sarasota</b>	22.507	24.931	25.662	22.566	20.487	22.293	23.307	21.851	14.832	27.458	21.849	20.375
<b>Sumter</b>	21.479	12.989	14.625	12.989	15.705	11.848	10.671	10.737	12.525	17.577	18.173	11.861
<b>District Total</b>	521.709	527.443	533.974	493.542	487.324	595.918	609.345	531.811	500.076	581.911	543.906	511.388
<b>Groundwater</b>	326.948	338.756	368.106	346.837	334.797	340.738	309.218	303.448	310.858	352.984	331.139	299.012
<b>Surface Water</b>	194.761	188.687	165.868	146.705	152.527	255.180	300.127	228.363	189.218	228.927	212.767	212.376

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

Data source: Estimated Water Use Tables derived from the WMIS database, 2018.

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) was manually adjusted so specific well withdrawals are represented in the county where they occurred. Seawater desalination and stormwater uses were not included in this calculation.

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Charlotte	2588	Kelly Family Holdings LLC	R320	G	0.268	1.044	0.178
Charlotte	3523	Twin Isles Country Club	R250	G	0.000	0.256	0.256
Charlotte	6709	Port Charlotte Golf Course, LLC	R250	S	0.005	0.060	0.060
Charlotte	7602	St. Andrews South Golf Club, Inc	R250	G	0.029	0.144	0.144
Charlotte	7815	Deep Creek Golf, Inc	R250	G	0.017	0.195	0.195
Charlotte	9223	Kingsgate Associates II, Ltd	R250	G	0.080	0.145	0.145
Charlotte	9335	Rotonda Golf Partners II LLC	R250	S	0.100	0.190	0.190
Charlotte	10006	Seminole Lakes Inc	R250	G	0.081	0.142	0.142
Charlotte	10169	CH3-Riverwood Golf Club LLC	R250	S	0.229	0.247	0.247
Charlotte	10932	Rotonda Golf Partners II LLC	R250	S	0.053	0.237	0.237
Charlotte	11687	Rotonda Golf Partners II LLC	R250	S	0.051	0.078	0.078
Charlotte	11688	Rotonda Golf Partners II LLC	R250	S	0.006	0.210	0.210
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	G	0.018	0.094	0.094
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	S	0.005	0.094	0.094
Charlotte	11997	Ccc Dr LLC	R250	S	0.008	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	0.223	0.229	0.229
Charlotte	12543	Charlotte Co BOCC	R245	G	0.035	0.090	0.090
Charlotte	12586	Tern Bay CDD Acquisitions, LLC	R250	G	0.000	0.445	0.445
Charlotte	12586	Tern Bay CDDAcquisitions, LLC	R250	S	0.000	0.445	0.445
Charlotte	12907	River Club of Port Charlotte HOA	R240	G	0.085	0.114	0.114
Charlotte	13027	Faye and James Williams Property, Inc	R245	G	0.000	0.110	0.110
Charlotte	13027	Faye and James Williams Property, Inc	R245	S	0.000	0.110	0.110
<b>Charlotte County Totals</b>					<b>1.297</b>	<b>Metered, mgd</b>	
					<b>0.396</b>	<b>Estimated, mgd, 21 WUPs</b>	
					<b>1.693</b>	<b>Total, mgd</b>	
Citrus	419	City of Inverness	R245	G	0.017	1.535	0.025

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Citrus	2851	Seven Rivers Golf & Country Club LLC	R250	G	0.062	0.214	0.214
Citrus	2851	Seven Rivers Golf & Country Club LLC	R250	S	0.000	0.214	0.214
Citrus	3228	Citrus Hills Investment Prop LLC	R250	G	0.482	0.610	0.610
Citrus	3673	Suntacc and Company, Inc.	R250	G	0.357	0.065	0.065
Citrus	7805	Hampton Hills, LLC	R250	G	0.739	1.148	1.148
Citrus	8785	Escalanta-Black Diamond Golf Club LLC	R250	G	0.395	0.557	0.557
Citrus	8785	Escalanta-Black Diamond Golf Club LLC	R250	S	0.000	0.557	0.557
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	G	0.015	0.273	0.273
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	S	0.106	0.273	0.273
Citrus	8997	Inverness Golf & Country Club	R250	G	0.031	0.066	0.066
Citrus	9964	Pine Ridge Golf Club, LLC	R250	G	0.057	0.224	0.224
Citrus	10260	Brassboys Enterprises Inc	R250	G	0.135	0.207	0.207
Citrus	10404	Flovicc & Company, Inc.	R250	G	0.166	0.262	0.262
Citrus	13103	Deltona Corporation	R250	G	0.000	0.218	0.218
<b>Citrus County Totals</b>					<b>2.561</b>	<b>Metered, mgd</b>	
					<b>0.409</b>	<b>Estimated, mgd, 19 WUPs</b>	
					<b>2.970</b>	<b>Total, mgd</b>	
DeSoto	2746	Sunnybreeze Palms Golf Course, Inc	R250	G	0.041	0.199	0.199
DeSoto	6697	Point Charlotte, LLC	R250	G	0.000	0.046	0.046
DeSoto	11261	Peace River Development Corp	R406	G	0.000	0.665	0.020
DeSoto	12179	Owens Enterprises, Inc	R406	G	0.001	0.191	0.001
<b>DeSoto County Totals</b>					<b>0.042</b>	<b>Metered, mgd</b>	
					<b>0.055</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>0.097</b>	<b>Total, mgd</b>	
Hardee	11858	FINR II, Inc	R240	G	0.000	0.431	0.009
<b>Hardee County Totals</b>					<b>0.000</b>	<b>Metered, mgd</b>	
					<b>0.122</b>	<b>Estimated, mgd, 11 WUPs</b>	
					<b>0.122</b>	<b>Total, mgd</b>	

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Hernando	368	The Heather Greens, LLC	R250	G	0.066	0.060	0.060
Hernando	2982	Brookridge Country Club	R240	G	0.208	0.281	0.281
Hernando	3726	High Point Golf Club, Inc	R250	G	0.098	0.149	0.149
Hernando	4893	Weekie Wachee Springs	R310	G	0.027	0.136	0.136
Hernando	6592	Lemkco Florida Inc	R250	G	0.000	0.190	0.190
Hernando	6873	Brooksville Golf & Country Club	R250	G	0.098	0.207	0.207
Hernando	8124	Oak Hills Golf Club, LLC	R250	G	0.101	0.300	0.300
Hernando	8639	Timber Pines Community Assoc Inc	R250	G	0.023	0.059	0.059
Hernando	8833	New Seville 2011 Dev LLC	R250	G	0.000	0.338	0.338
Hernando	9060	Golf Properties of Florida, LLC	R250	G	0.010	0.285	0.285
Hernando	9344	Glen Lakes Partnership Ltd	R250	G	0.132	0.238	0.238
Hernando	10199	Triple Eagle Group Inc	R250	G	0.255	0.305	0.305
Hernando	10760	Rivard Golf Club, LLC	R250	G	0.016	0.194	0.194
Hernando	11059	Glen Lakes Partnership Ltd	R240	G	0.292	0.401	0.401
Hernando	12545	Southern Hills Irrigation Services LLC	R250	G	0.001	0.098	0.098
Hernando	13279	World Woods Corp	R250	G	0.640	0.735	0.735
<b>Hernando County Totals</b>					<b>1.968</b>	<b>Metered, mgd</b>	
					<b>0.763</b>	<b>Estimated, mgd, 25 WUPs</b>	
					<b>2.731</b>	<b>Total, mgd</b>	
Highlands	4637	Harder Hall Golf Club, LLC	R250	G	0.000	0.153	0.153
Highlands	4708	Sun'N Lake of Sebring Improvement District	R250	G	0.664	0.543	0.543
Highlands	5107	City of Sebring	R250	G	0.113	0.130	0.130
Highlands	5646	Pincrest On Lotela Inc	R250	G	0.164	0.200	0.200
Highlands	5907	Lake Rachard, LLC	R240	G	0.000	0.054	0.054
Highlands	6498	River Greens South Golf Course, Inc	R250	G	0.145	0.196	0.196
Highlands	7811	Mink Associates I LLC	R250	G	0.117	0.142	0.142
Highlands	8327	Laman Land Development LLC	R250	G	0.095	0.225	0.225

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Highlands	9626	J & P Golf Properties LLC	R250	G	0.040	0.329	0.329
Highlands	12265	CCS Golf Club Inc	R250	G	0.217	0.224	0.224
<b>Highlands County Totals</b>					<b>1.556</b>	<b>Metered, mgd</b>	
					<b>0.326</b>	<b>Estimated, mgd, 32 WUPs</b>	
					<b>1.882</b>	<b>Total, mgd</b>	
Hillsborough	192	Gracepoint Plant City	R240	G	0.001	0.018	0.003
Hillsborough	620	Nittany Trails LLC	R250	G	0.068	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	0.000	0.119	0.119
Hillsborough	985	Diehl Family LP	R240	G	0.000	2.725	0.001
Hillsborough	1098	Garden of Memories, Inc	R230	G	0.582	0.506	0.506
Hillsborough	1532	Mosaic Fertilizer, LLC	R310	G	0.000	5.985	0.015
Hillsborough	1532	Mosaic Fertilizer, LLC	R310	S	0.006	5.985	0.015
Hillsborough	1640	Bahia Lakes CDD	R240	G	0.012	0.025	0.025
Hillsborough	1854	Panther Trails CDD	R240	G	0.011	0.005	0.005
Hillsborough	1857	Hillsborough County School Board	R240	G	0.004	0.082	0.082
Hillsborough	1946	Hillsborough County Associates II LLLP	R240	G	0.000	0.472	0.472
Hillsborough	1946	Hillsborough County Associates II LLLP	R240	S	0.000	0.472	0.472
Hillsborough	1960	University of South Florida	R245	G	0.761	2.364	0.934
Hillsborough	1960	University of South Florida	R245	S	0.002	2.364	0.934
Hillsborough	2320	SeaWorld Parks & Ent LLC	R300	G	1.485	1.810	1.810
Hillsborough	2639	Concert Carrollwood LLC	R250	G	0.000	0.089	0.089
Hillsborough	2705	Sano Corp DbA Westchase Golf Course Inc	R250	S	0.000	0.079	0.079
Hillsborough	3024	Martin and Marilynn Bearss	R220	G	0.000	0.426	0.426
Hillsborough	3582	City of Temple Terrace	R250	G	0.141	0.256	0.256
Hillsborough	3745	NNP IV-Lake Hutto, LLC	R240	G	0.107	0.220	0.220
Hillsborough	4526	Hillsborough County Aviation Authority	R240	G	0.002	0.121	0.121

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Hillsborough	4549	Lake Charles Improvement Association	R220	G	0.000	0.290	0.290
Hillsborough	4874	Avila Golf and Country Club	R250	G	0.044	0.346	0.346
Hillsborough	6091	Caloosa Golf & Country Club Inc	R250	G	0.091	0.332	0.332
Hillsborough	6092	Clublink US Corporation	R250	G	0.798	1.240	1.240
Hillsborough	6092	Clublink US Corporation	R250	S	0.000	1.240	1.240
Hillsborough	6100	City of Tampa	R250	G	0.133	0.181	0.179
Hillsborough	6101	Tampa Sports Authority & City of Tampa	R250	G	0.015	0.152	0.152
Hillsborough	6217	Palma Ceia Golf & Country Club	R250	G	0.217	0.211	0.211
Hillsborough	7586	Dover RE Holdings, LLC	R415	G	0.000	0.106	0.035
Hillsborough	7637	Riverside Golf Course Community LLC	R250	G	0.174	0.514	0.223
Hillsborough	7697	Dune FL Land I Sub, LLC	R240	G	0.000	0.117	0.117
Hillsborough	7774	Lake Carlton Arms Partnership	R244	G	0.118	0.270	0.270
Hillsborough	7883	Tampa Palms Community Dev District	R244	G	0.129	0.313	0.313
Hillsborough	8126	Brighton Golf Partners LLC Summerfield Crossings Golf Club	R250	G	0.019	0.211	0.211
Hillsborough	8137	Florida College Inc	R245	G	0.060	0.067	0.067
Hillsborough	8641	Old Memorial Golf Club Inc	R250	G	0.077	0.083	0.083
Hillsborough	8673	Belmont Real Estate LLC	R240	G	0.052	0.133	0.133
Hillsborough	8710	Hillsborough County School Board	R245	G	0.326	0.039	0.032
Hillsborough	8931	TC Venture 1, LLC	R240	G	0.072	0.314	0.314
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	R240	G	0.000	0.027	0.001
Hillsborough	9042	Arbor Greene Community Development District	R240	G	0.021	0.066	0.066
Hillsborough	9137	River Hills Golf, LLC	R244	G	0.027	0.200	0.200
Hillsborough	9260	Northdale Golf, LLC	R250	G	0.000	0.064	0.064
Hillsborough	9487	Tampa Palms Club, Inc	R250	G	0.036	0.100	0.100
Hillsborough	9527	Cheval Golf Club LLC	R250	G	0.091	0.082	0.082
Hillsborough	9875	Grace Community Church of Brandon, Inc	R240	G	0.004	0.047	0.006
Hillsborough	10161	Lowry Park Zoological Society of Tampa, Inc.	R407	G	0.176	0.301	0.301



## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Hillsborough	10398	Rivercrest Community Development District	R240	G	0.103	0.115	0.115
Hillsborough	10516	Hillsborough County	R290	G	0.000	0.103	0.103
Hillsborough	10724	DF Cypress Creek Properties LLC	R250	G	0.000	0.257	0.257
Hillsborough	10819	Arc Sun City Golf Course Inc	R250	G	0.000	0.079	0.079
Hillsborough	10819	Arc Sun City Golf Course Inc	R250	S	0.000	0.079	0.079
Hillsborough	11086	Half Moon Lake	R220	G	0.017	0.060	0.060
Hillsborough	11157	Harbor Bay Community Development District	R240	G	0.080	0.090	0.090
Hillsborough	11194	Heritage Golf Tampa Bay LLC	R250	G	0.145	0.323	0.323
Hillsborough	11425	Round Lake Association Inc	R220	G	0.030	0.215	0.215
Hillsborough	11428	Hunters Green Acquisition Corp	R250	G	0.011	0.324	0.324
Hillsborough	11429	Hunter's Green Community Association Inc	R240	G	0.034	0.274	0.274
Hillsborough	11540	Heritage Isles CDD	R250	G	0.098	0.253	0.253
Hillsborough	11830	Tampa Bay Downs, Inc	R300	G	0.026	0.156	0.156
Hillsborough	12024	City of Tampa	R250	G	0.010	0.323	0.323
Hillsborough	12274	Florida College Inc & Tramonett Enterprises, Inc	R250	G	0.071	0.103	0.103
Hillsborough	12957	NHC-FL8 LP	R250	G	0.163	0.321	0.261
Hillsborough	12967	Southshore Falls HOA, Inc	R240	G	0.186	0.172	0.172
Hillsborough	13356	South Shore Corporate Park LLC	R240	G	0.000	0.110	0.110
Hillsborough	13356	South Shore Corporate Park LLC	R240	S	0.003	0.110	0.110
Hillsborough	20660	Sun City Center Community Association, Inc.	R244	G	0.000	0.022	0.022
Hillsborough	20662	Lennar Homes, LLC	R240	G	0.033	0.108	0.108
Hillsborough	20663	Sun City Center West Master Assoc., Inc.	R240	G	0.497	0.573	0.573
Hillsborough	20705	Panther Trace I CDD	R240	G	0.036	0.056	0.056
Hillsborough	20706	Panther Trace II CDD	R240	G	0.037	0.056	0.056
<b>Hillsborough County Totals</b>					<b>7.480</b>	<b>Metered, mgd</b>	
					<b>1.544</b>	<b>Estimated, mgd, 119 WUPs</b>	
					<b>9.024</b>	<b>Total, mgd</b>	

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
<b>Lake County Totals</b>		<b>There were no landscape/recreation permittees in Lake County</b>					
Levy	6586	B&G Family Partnership LLLP	R406	G	0.000	0.654	0.012
<b>Levy County Totals</b>					<b>0.000</b>	<b>Metered, mgd</b>	
					<b>0.126</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>0.126</b>	<b>Total, mgd</b>	
Manatee	503	J.T. Reeder Partners, LLLP	R240	G	0.000	0.875	0.004
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	R240	G	0.140	0.459	0.216
Manatee	4443	Aquaterra Utilities, Inc	R240	G	0.286	0.600	0.600
Manatee	4507	Greenfield Golf LLC	R250	G	0.171	0.311	0.311
Manatee	4645	Harrison Ranch CDD	R240	G	0.000	0.051	0.051
Manatee	4729	School Board of Manatee County	R240	G	0.000	0.092	0.089
Manatee	5444	Manatee County School District	R245	G	0.011	0.271	0.027
Manatee	5592	River Plantation HOA, Inc	R245	G	0.097	0.122	0.122
Manatee	5617	Medallion Homes	R240	G	0.000	0.332	0.216
Manatee	5656	Waterlefe CDD	R250	G	0.139	0.262	0.262
Manatee	6293	Palm Aire Country Club	R250	G	0.199	0.399	0.399
Manatee	6590	Copperstone Master Assoc, Inc & Copperstone Townhome HOA, Inc	R240	G	0.033	0.071	0.071
Manatee	7235	Gamble Creek LC & Manatee Co & Twin Rivers II LC	R240	G	0.000	0.231	0.231
Manatee	7632	Cascades at Sarasota Res Assoc, Inc	R240	G	0.146	0.157	0.157
Manatee	7651	City of Bradenton	R250	G	0.000	0.192	0.192
Manatee	7846	Schroeder-Manatee Ranch Inc (Multi-County w Sarasota)	R240	G	5.285	18.238	14.112
Manatee	7846	Schroeder-Manatee Ranch Inc	R240	S	0.000	18.238	14.112
Manatee	8012	Sara Bay Country Club, Inc	R250	G	0.000	0.152	0.152
Manatee	8012	Sara Bay Country Club, Inc	R250	S	0.201	0.152	0.152
Manatee	8508	Peridia Property Owners Assoc Inc	R250	G	0.099	0.118	0.118
Manatee	8965	River Club Golf Course Inc	R250	G	0.137	0.200	0.200

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Manatee	9379	Tara Golf & Country Club	R250	G	0.133	0.262	0.262
Manatee	9400	Desoto Ranch Estates	R440	G	0.000	0.156	0.003
Manatee	9400	Desoto Ranch Estates	R440	S	0.000	0.156	0.003
Manatee	9808	Woolridge Investment, LLC	R250	G	0.320	0.484	0.484
Manatee	10033	MML LI, LLC	R250	G	0.008	0.186	0.186
Manatee	10033	MML LI, LLC	R250	S	0.000	0.186	0.186
Manatee	10257	Trevesta Irrigation, LLC	R240	S	0.004	0.136	0.136
Manatee	10450	The River Wilderness Club, Inc	R250	G	0.109	0.330	0.330
Manatee	11881	Preserve Golf LLC	R250	G	0.102	0.258	0.258
Manatee	12290	Lakeridge Falls Community Association, Inc	R240	G	0.174	0.133	0.133
Manatee	12613	Lakewood Ranch Country Club-West Community Assoc, Inc	R240	G	0.091	0.174	0.174
Manatee	12630	The Concession Golf Club, LLC	R250	G	0.155	0.230	0.230
Manatee	12632	WR-I Associates, Ltd	R240	S	0.071	0.086	0.086
Manatee	12900	Minto Bradenton, LLC	R240	G	0.142	0.131	0.131
Manatee	13035	Oakleaf Hammock HOA, Inc	R240	G	0.139	0.204	0.204
Manatee	20088	IMG Academy, LLC	R245	G	0.000	0.291	0.291
Manatee	20269	Upper Manatee 288, LLC	R240	G	0.000	0.195	0.195
Manatee	20498	The Concession Community Association, Inc	R244	G	0.069	0.093	0.093
<b>Manatee County Totals</b>					<b>8.462</b>	<b>Metered, mgd</b>	
					<b>1.344</b>	<b>Estimated, mgd, 122 WUPs</b>	
					<b>9.806</b>	<b>Total, mgd</b>	
Marion	2697	Charlotte Weber	R240	G	0.006	1.028	0.180
Marion	5642	Four Seasons Golf, LLC	R250	G	0.137	0.271	0.271
Marion	6674	RLR Investments, LLC	R250	G	0.135	0.265	0.265
Marion	7178	Development & Construction Corp Of America	R250	G	0.065	0.614	0.614
Marion	9497	Warrior Golf Development, LLC	R250	G	0.000	0.134	0.134
Marion	10266	Pulte Home Company, LLC	R250	G	0.184	0.382	0.382

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Marion	10266	Pulte Home Company, LLC	R250	S	0.000	0.382	0.382
Marion	10861	Warrior Acquisitions, LLC	R250	G	0.000	0.160	0.160
Marion	11475	Arbor Springs Development, LLC	R240	G	0.000	0.106	0.033
Marion	12843	Vikings, LLC	R250	G	0.227	0.304	0.304
Marion	12911	The Club at Ocala Preserve LLC	R250	G	0.151	0.223	0.150
Marion	12966	Stone Creek Community Assoc	R240	G	0.174	0.313	0.313
Marion	12993	Summerglen Owners' Assoc, Inc	R250	G	0.384	0.354	0.354
Marion	20120	Rainbow Springs Club, LLC	R250	G	0.000	0.192	0.192
Marion	20121	Rainbow's End Golf Club, Inc	R250	G	0.093	0.108	0.108
Marion	20173	Sidney Colen and Associates LTD	R250	G	0.354	0.522	0.522
Marion	20174	On Top of the World Communities Inc	R240	G	0.000	0.664	0.000
<b>Marion County Totals</b>					<b>1.909</b>	<b>Metered, mgd</b>	
					<b>0.492</b>	<b>Estimated, mgd, 28 WUPs</b>	
					<b>2.401</b>	<b>Total, mgd</b>	
Pasco	347	Pasco Investment Land, LLC	R240	G	0.013	0.419	0.419
Pasco	2479	Wiregrass Ranch Inc	R240	G	0.000	0.535	0.535
Pasco	3389	Ace Cheval, Inc	R250	G	0.022	0.077	0.077
Pasco	3389	Ace Cheval, Inc	R250	S	0.000	0.077	0.077
Pasco	4649	Pinellas County Utilities	R220	G	0.047	0.800	0.800
Pasco	6129	Florida Fish & Wildlife Conservation Commission	R407	G	0.037	0.269	0.269
Pasco	7672	Pasco Golf Associates, Inc	R250	G	0.170	0.215	0.215
Pasco	7733	The Links Of Lake Bernadette, Inc	R250	G	0.062	0.201	0.201
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	G	0.113	0.219	0.219
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	S	0.145	0.219	0.219
Pasco	8892	Sun TRS Southport Springs LLC	R250	G	0.158	0.180	0.180
Pasco	9525	Lowman Links Inc	R250	G	0.002	0.047	0.047
Pasco	9967	Pasco Office Park LLC	R250	G	0.000	0.352	0.352

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Pasco	10039	Fox Hollow Golf, LLC	R250	G	0.011	0.175	0.175
Pasco	10366	Seven Springs Golf & Country Club, Inc	R250	G	0.007	0.133	0.133
Pasco	10447	Goldenranch Property, LLC	R244	G	0.000	0.131	0.131
Pasco	10870	Betmar Acres Club, Inc.	R250	G	0.086	0.155	0.155
Pasco	11558	Pinellas County Utilities	R220	G	0.674	1.343	1.343
Pasco	11589	Lex Oaks Golf 54 LLC	R250	G	0.131	0.183	0.183
Pasco	11650	Heritage Pines Community Assoc Inc	R250	G	0.007	0.067	0.067
Pasco	11773	Little Everglades Ranch Inc	R245	G	0.068	0.257	0.153
Pasco	11773	Little Everglades Ranch Inc	R245	S	0.000	0.257	0.153
Pasco	11774	Sunden Tampa, LLC	R250	G	0.316	0.640	0.640
Pasco	11898	Pasco County School Board	R240	G	0.045	0.094	0.094
Pasco	11913	Heritage Springs Comm Assoc, Inc	R250	G	0.322	0.429	0.368
Pasco	12044	The Groves CDD	R250	G	0.000	0.184	0.184
Pasco	12346	La Hacienda Del Cielo LLC	R240	G	0.000	0.164	0.010
Pasco	12754	Waters Edge CDD	R244	G	0.204	0.249	0.249
Pasco	12754	Waters Edge CDD	R244	S	0.000	0.249	0.249
Pasco	12784	Order of Saint Benedict of Florida	R250	G	0.028	0.143	0.131
<b>Pasco County Totals</b>					<b>2.664</b>	<b>Metered, mgd</b>	
					<b>1.028</b>	<b>Estimated, mgd, 40 WUPs</b>	
					<b>3.692</b>	<b>Total, mgd</b>	
Pinellas	288	Countryside Country Club, Inc	R250	G	0.000	0.075	0.075
Pinellas	334	Pelican Golf, LLC	R250	G	0.000	0.262	0.262
Pinellas	339	City of Clearwater	R250	G	0.000	0.035	0.035
Pinellas	708	Belleview Biltmore Country Club	R250	G	0.049	0.100	0.100
Pinellas	1155	Salamander Innisbrook LLC	R240	G	0.013	0.174	0.174
Pinellas	2731	City of Largo Largo Golf Course	R250	G	0.025	0.045	0.045
Pinellas	3707	Bayou Golf, LLC	R250	G	0.431	0.512	0.512

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Pinellas	5236	Florin Golf Investors, LLC	R250	S	0.000	0.038	0.038
Pinellas	6701	Cypress Run of Florida LLC	R250	G	0.112	0.215	0.215
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	G	0.000	0.192	0.129
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	S	0.000	0.192	0.129
Pinellas	7437	Clubcorp Golf of Florida LLC	R250	G	0.013	1.300	1.300
Pinellas	7437	Clubcorp Golf of Florida LLC	R250	S	0.725	1.300	1.300
Pinellas	8142	Sylvan Abbey Memorial Park	R230	G	0.140	0.157	0.157
Pinellas	8959	Homeowners Assoc of Highland Lakes, Inc	R250	G	0.056	0.081	0.081
Pinellas	9065	Lansbrook Master Assoc, Inc	R240	G	0.000	0.268	0.268
Pinellas	9065	Lansbrook Master Assoc, Inc	R240	S	0.252	0.268	0.268
Pinellas	9551	Ace Wentworth, Inc.	R250	G	0.073	0.191	0.191
Pinellas	9670	Ace Crescent Oaks, Inc	R250	G	0.270	0.286	0.286
Pinellas	10318	Homeowners of Palm Hill Inc.	R244	G	0.106	0.149	0.149
Pinellas	10646	Olympia Invest. Group LLC and SHS Resort LLC	R412	G	0.005	0.040	0.004
Pinellas	10694	Redus Florida Properties, LLC	R250	G	0.018	0.153	0.153
Pinellas	10732	Lansbrook Golf, LLC	R250	G	0.005	0.323	0.323
Pinellas	10882	Pinellas County	R245	S	0.004	0.034	0.034
Pinellas	11816	Clearwater Golf Assoc Inc	R250	G	0.103	0.152	0.152
<b>Pinellas County Totals</b>					<b>2.400</b>	<b>Metered, mgd</b>	
					<b>0.809</b>	<b>Estimated, mgd, 36 WUPs</b>	
					<b>3.209</b>	<b>Total, mgd</b>	
Polk	143	Mountain Lake Corp	R220	G	1.550	3.294	2.565
Polk	1247	D Course Development, LLC	R250	G	0.249	0.255	0.255
Polk	1625	Four Lakes Golf Club Ltd	R250	G	0.119	0.406	0.160
Polk	3150	Kc Industries LLC & Kc Industries Properties LLC	R290	G	0.000	0.192	0.050
Polk	4403	Huntington Hills Golf & Country Club, Inc	R250	G	0.217	0.267	0.267
Polk	4658	City of Lake Wales	R245	G	0.011	3.903	0.018

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Polk	4698	Bok Tower Gardens Foundation Inc	R260	G	0.211	0.204	0.204
Polk	5251	Grenelefe Resort Utility, Inc	R250	G	0.488	1.235	0.609
Polk	5524	Highland Florida Golf Resort Land Trust	R250	G	0.159	0.135	0.135
Polk	5868	Sun Rainbow RV, LLC	R411	G	0.000	0.137	0.000
Polk	6128	Country Club of Lake Wales, Inc	R250	G	0.076	0.313	0.307
Polk	6155	4 Seasons Golf Resort, LLC	R250	G	0.000	0.166	0.166
Polk	6155	4 Seasons Golf Resort, LLC	R250	S	0.000	0.166	0.166
Polk	7187	CHC VII LTD Century Realty Fund	R250	G	0.106	0.429	0.173
Polk	7328	Carefree Rv Country Club of Winter Haven Inc	R250	G	0.050	0.131	0.052
Polk	7489	Merlin Entertainment Group Florida LLC	R240	G	0.125	0.254	0.254
Polk	7489	Merlin Entertainment Group Florida LLC	R240	S	0.000	0.254	0.254
Polk	8464	Deer Creek RV Golf & Country Club, Inc	R250	G	0.180	0.192	0.192
Polk	8466	Floral Lakes Homeowners Association, Inc	R210	G	0.000	0.041	0.041
Polk	8467	City of Lakeland	R250	G	0.088	0.227	0.227
Polk	8472	Cypress Lakes Associates LTD	R250	G	0.024	0.152	0.152
Polk	8553	John G. Wood & Associates Inc	R250	G	0.075	0.269	0.269
Polk	8565	Imperial Lakes Land Corp	R250	G	0.001	0.337	0.337
Polk	8967	Sweetwater Community Inc	R250	G	0.029	0.141	0.038
Polk	9007	Osprey Links Golf Course, LLC & Osprey Links, LLC	R250	G	0.069	0.131	0.131
Polk	9123	Carlton Arms of Lakeland	R240	G	0.004	0.019	0.019
Polk	9234	City of Bartow	R250	G	0.229	0.155	0.155
Polk	9961	The Drummond Co Inc	R250	G	0.148	0.285	0.285
Polk	9961	The Drummond Co Inc	R250	S	0.068	0.285	0.285
Polk	9985	ABT Holdings, LLC	R250	G	0.168	0.284	0.284
Polk	10392	Milmack, Inc	R250	G	0.232	0.266	0.266
Polk	10559	Polk Co BOCC	R245	G	0.130	0.118	0.118
Polk	10656	Stephen J. Fox, LLC	R240	G	0.001	0.120	0.004

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Polk	10826	Publix Super Markets Inc	R250	G	0.011	0.251	0.251
Polk	10826	Publix Super Markets Inc	R250	S	0.069	0.251	0.251
Polk	11693	Oak Hill Cemetery and Nursery	R230	G	0.125	0.176	0.159
Polk	12172	Lake Ashton Golf Club LTD	R250	G	0.126	0.248	0.248
Polk	12446	C. C. Calhoun, Inc	R240	G	0.010	0.161	0.016
Polk	12636	The Country Club of Winter Haven, Inc	R250	G	0.113	0.122	0.122
Polk	12652	Highlands Reserve LLC	R250	G	0.044	0.090	0.090
Polk	12689	Southern Dunes Golf & Country Club Inc	R250	G	0.150	0.117	0.117
Polk	12832	Lake Ashton Development Golf Club II, LTD	R250	G	0.145	0.186	0.186
Polk	13330	City of Winter Haven	R250	G	0.021	0.043	0.043
Polk	20745	Stillwater Preserve Development, LLC	R250	G	1.338	1.063	1.063
<b>Polk County Totals</b>					<b>6.960</b>	<b>Metered, mgd</b>	
					<b>1.543</b>	<b>Estimated, mgd, 147 WUPs</b>	
					<b>8.503</b>	<b>Total, mgd</b>	
Sarasota	3872	The Ranch Land Operations, LLLP	R240	G	0.000	2.314	2.314
Sarasota	3897	D. R. Horton, Inc	R240	G	0.000	0.099	0.099
Sarasota	3941	Mission Valley Golf & Country Club, Inc	R250	G	0.092	0.246	0.246
Sarasota	5385	RGreen Golf Club, LLC	R250	G	0.091	0.196	0.196
Sarasota	5517	Capri Isles Golf Inc	R250	G	0.004	0.019	0.019
Sarasota	5648	Gator Creek Golf Club Inc	R250	G	0.001	0.104	0.104
Sarasota	5807	Camelot Communities MHP, LLC	R240	G	0.094	0.362	0.202
Sarasota	5807	Camelot Communities MHP, LLC	R240	S	0.091	0.362	0.202
Sarasota	6364	The Plantation Management Association, Inc	R250	G	0.383	1.214	1.214
Sarasota	6364	The Plantation Management Association, Inc	R250	S	0.322	1.214	1.214
Sarasota	6770	Oaks Bayside HOA, Inc	R240	G	0.018	0.166	0.166
Sarasota	6863	L B 500, LLC, dba Longboat Key Club	R250	G	0.188	0.289	0.289
Sarasota	6954	The Oaks Club Corp	R250	G	0.532	0.475	0.475



## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Sarasota	7448	SNF Property LLC	R411	G	0.007	0.186	0.021
Sarasota	7846	Schroeder-Manatee Ranch Inc (Multi-County w Manatee)	R240	G	0.927	18.238	14.112
Sarasota	7873	Myakka Pines Golf Club of Englewood Inc	R250	G	0.000	0.212	0.212
Sarasota	7873	Myakka Pines Golf Club of Englewood Inc	R250	S	0.018	0.212	0.212
Sarasota	7893	Heritage Golf Prestancia LLC	R250	G	0.025	0.249	0.249
Sarasota	8109	The Preserve at Misty Creek HOA, Inc	R250	G	0.000	0.125	0.125
Sarasota	8398	Grosvenor Square Capital LLC	R250	G	0.103	0.178	0.178
Sarasota	8782	Tatum Ridge Golf Links, Inc	R250	G	0.026	0.183	0.183
Sarasota	8819	Boca Royale Golf & Country Club, Inc	R250	G	0.051	0.099	0.099
Sarasota	8900	Meadows Country Club Inc	R250	G	0.103	0.144	0.144
Sarasota	9079	Sunrise Land Partners, LLLP	R244	G	0.000	0.037	0.037
Sarasota	9114	Sorrento Valley Golf Inc	R250	G	0.165	0.230	0.230
Sarasota	9517	Laurel Oak Country Club	R250	G	0.137	0.132	0.132
Sarasota	9667	Lex Pelican LP	R250	G	0.249	0.264	0.264
Sarasota	9839	Venice Golf & Country Club Ltd	R250	G	0.040	0.254	0.254
Sarasota	10407	Serenoa Holdings, LLC	R250	G	0.243	0.275	0.275
Sarasota	10606	LB 500, LLC, dba Longboat Key Club	R250	G	0.299	0.427	0.427
Sarasota	10823	Calusa Lakes Community Assoc Inc	R240	G	0.324	0.387	0.387
Sarasota	10877	Stoneybrook Golf & Country Club of Sarasota, Inc	R250	G	0.107	0.245	0.245
Sarasota	10880	Southbay Yacht & Racquet Club Owner's Assoc, Inc	R240	G	0.158	0.201	0.201
Sarasota	11417	Heritage Oaks Golf & Country Club Inc	R250	G	0.000	0.098	0.098
Sarasota	11438	Capri Isle Golf Inc	R250	G	0.141	0.293	0.293
Sarasota	11638	Marsh Creek Holdings, LTD	R250	G	0.000	0.451	0.451
Sarasota	11699	Cloud Ten! Marketing Group, LLC	R250	G	0.290	0.276	0.276
Sarasota	11871	City of Venice Utilities Dept	R250	G	0.110	0.202	0.202
Sarasota	12075	WCI Communities, Inc	R240	G	0.316	0.408	0.408
Sarasota	12145	Village Walk of Sarasota HOA	R240	G	0.000	0.184	0.184

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Sarasota	12177	Boca Royale Golf, Inc	R240	G	0.163	0.213	0.213
Sarasota	12275	Mote Marine Laboratory, Inc	R406	G	0.000	0.155	0.001
Sarasota	12275	Mote Marine Laboratory, Inc	R406	S	0.000	0.155	0.001
Sarasota	12555	LALP Lots I, LLC	R240	S	0.155	0.235	0.235
Sarasota	12590	Aquaterra Utilities Inc	R240	G	0.078	0.255	0.255
Sarasota	12634	Venetian Falls HOA Inc	R240	G	0.086	0.157	0.157
Sarasota	12645	Resource Conservation of Sarasota, LLC	R240	G	0.097	0.519	0.519
Sarasota	12750	Ventura Village HOA Inc	R240	G	0.013	0.087	0.087
Sarasota	12759	Panacea Gulf Coast Investments, LLC	R240	G	0.235	0.476	0.476
Sarasota	12772	Divosta Homes LP	R240	S	0.585	0.700	0.700
Sarasota	12796	Isles of Sarasota HOA Inc	R240	G	0.003	0.042	0.042
Sarasota	13347	Dept Of Veterans Affairs	R230	G	0.092	0.343	0.343
Sarasota	20403	Sandhill Preserve Property Owners' Assoc, Inc	R240	G	0.013	0.050	0.050
Sarasota	20591	DiVosta Homes LP	R240	G	0.066	0.128	0.128
Sarasota	20643	Taylor Morrison of Florida, Inc	R240	G	0.150	0.058	0.058
<b>Sarasota County Totals</b>					<b>7.392</b>	<b>Metered, mgd</b>	
					<b>1.057</b>	<b>Estimated, mgd, 102 WUPs</b>	
					<b>8.449</b>	<b>Total, mgd</b>	
Sumter	2622	Continental Country Club R.O. Inc	R250	G	0.204	0.213	0.213
Sumter	2798	Fenney Water Conservation Authority, LLC	R240	G	0.295	0.688	0.688
Sumter	3206	Villages Operating Company	R250	G	0.313	0.616	0.616
Sumter	6793	Rainforest Rv Inc	R250	G	0.113	0.224	0.193
Sumter	8675	Dept Of Veterans Affairs	R240	G	0.006	0.756	0.756
Sumter	10923	Spruce Creek Golf LLC	R250	G	0.347	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	0.006	0.077	0.077
Sumter	11778	Village Center CDD	R250	G	0.005	0.170	0.056

## 2018 ESTIMATED WATER USE REPORT

**Table A-5. 2018 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category <sup>4</sup>
Sumter	11856	Brassboys Enterprises Inc	R250	G	0.045	0.023	0.023
Sumter	13005	Village Center CDD	R250	G	0.833	19.346	1.347
Sumter	13123	Loan Portfolio Solutions, LLC	R244	G	0.029	0.114	0.054
Sumter	20687	Southeast Wildwood Water Conservation Authority	R240	G	0.104	2.609	2.609
Sumter	20687	Southeast Wildwood Water Conservation Authority	R240	S	0.000	2.609	2.609
<b>Sumter County Totals</b>					<b>2.338</b>	<b>Metered, mgd</b>	
					<b>0.112</b>	<b>Estimated, mgd, 8 WUPs</b>	
					<b>2.450</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>47.029</b>	<b>Metered, mgd</b>	
					<b>10.126</b>	<b>Estimated, mgd</b>	
					<b>57.155</b>	<b>Total, mgd</b>	

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

Source: WMIS Database, 2018. Calculations from raw data create some minor rounding discrepancies in summations.

- <sup>1</sup> 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.
- <sup>2</sup> Source = G for groundwater; S for surface water
- <sup>3</sup> 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.
- <sup>4</sup> 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.

## 2018 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.

## 2018 ESTIMATED WATER USE REPORT

**Table A-6. 2018 Metered + Estimated Landscape/Recreation Monthly Average Withdrawals (mgd/month) by County**

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>*Charlotte</b>	2.050	2.249	2.443	2.894	1.624	1.021	0.735	0.761	0.640	1.480	2.395	2.011
<b>Citrus</b>	1.731	3.132	3.592	3.169	3.052	4.477	3.013	2.755	2.800	3.395	2.809	1.729
<b>Desoto</b>	0.076	0.143	0.156	0.207	0.108	0.056	0.040	0.027	0.032	0.058	0.152	0.109
<b>Hardee</b>	0.117	0.158	0.173	0.165	0.137	0.123	0.093	0.064	0.076	0.132	0.135	0.084
<b>Hernando</b>	2.188	3.337	3.706	3.646	2.610	2.481	1.776	2.005	2.487	3.713	3.264	1.550
<b>*Highlands</b>	1.444	1.893	2.290	2.495	1.754	1.554	1.418	1.738	1.906	2.373	2.389	1.326
<b>Hillsborough</b>	8.333	12.135	10.508	12.751	9.806	8.435	6.272	6.431	7.165	9.482	10.842	6.113
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0.110	0.155	0.202	0.197	0.147	0.118	0.072	0.062	0.065	0.153	0.158	0.071
<b>Manatee</b>	11.202	12.219	12.101	15.679	11.019	7.614	6.541	5.531	4.319	10.076	12.221	7.818
<b>*Marion</b>	1.526	2.185	3.072	3.147	3.109	2.252	1.656	2.093	2.550	3.474	2.691	1.069
<b>Pasco</b>	3.316	5.731	6.810	7.769	3.127	3.650	2.356	1.486	2.222	3.199	3.055	1.603
<b>Pinellas</b>	2.542	4.412	4.595	3.747	3.975	3.421	2.521	2.081	1.799	3.596	3.796	2.016
<b>*Polk</b>	14.934	7.234	11.426	10.076	8.352	6.135	5.558	5.739	5.760	10.059	10.135	6.626
<b>Sarasota</b>	8.225	9.724	8.903	10.366	8.874	7.063	5.771	5.551	3.497	6.676	9.690	5.930
<b>Sumter</b>	1.851	1.810	2.297	2.017	2.079	2.096	1.623	1.969	2.529	5.152	2.672	3.300
<b>District Total</b>	59.645	66.517	72.274	78.325	59.773	50.496	39.445	38.293	37.847	63.018	66.404	41.355
<b>Groundwater</b>	54.824	60.755	66.850	72.718	55.132	46.368	36.180	35.168	35.014	58.277	60.830	38.294
<b>Surface Water</b>	4.820	5.762	5.425	5.608	4.640	4.130	3.267	3.125	2.833	4.741	5.575	3.058

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

Source: Estimated Water Use Tables derived from the WMIS database, 2018.

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Charlotte	608	The Bryan W Paul Family Limited Partnership	A415	G	0.000	0.136	0.136
Charlotte	608	The Bryan W Paul Family Limited Partnership	A415	S	0.000	0.136	0.136
Charlotte	1019	Ryals Citrus & Cattle Co	A470	G	0.071	0.386	0.386
Charlotte	1117	James Bickett	A415	G	0.545	2.316	2.316
Charlotte	1117	James Bickett	A415	S	0.114	2.316	2.316
Charlotte	1759	Probitas Enterprises LLC	A58S	G	0.000	2.461	2.461
Charlotte	1759	Probitas Enterprises LLC	A58S	S	0.000	2.461	2.461
Charlotte	2588	Kelly Family Holdings LLC	A451	G	1.307	1.044	0.866
Charlotte	2593	Charlotte 650 LLC	A415	G	0.000	0.524	0.524
Charlotte	2593	Charlotte 650 LLC	A415	S	0.000	0.524	0.524
Charlotte	2689	East Charlotte Drainage District	A415	G	0.988	2.763	2.763
Charlotte	2689	East Charlotte Drainage District	A415	S	0.603	2.763	2.763
Charlotte	4217	The Five Cross Land Trust	A490	G	0.000	0.199	0.199
Charlotte	4589	Hudson Land & Cattle, LLC	A470	G	0.000	0.648	0.648
Charlotte	5936	Schwartz Charlotte Grove Properties, LLC	A495	G	0.000	1.001	1.001
Charlotte	6569	Kent C. & Nora Lynette Connell	A525	G	0.000	0.136	0.136
Charlotte	7240	Iowa International Inv Inc	L600	G	0.000	0.002	0.002
Charlotte	8224	Spanish Trail Land & Cattle Company LLC	A56S	G	0.138	2.534	2.534
Charlotte	8388	George M. Davis, Jr. and Christina Davis	A415	G	0.000	0.170	0.170
Charlotte	9052	Ben Hill Griffin, Inc	A415	G	0.002	1.523	1.523
Charlotte	9052	Ben Hill Griffin, Inc	A415	S	0.000	1.523	1.523
Charlotte	9398	734 LMC Groves, LLC	A415	G	0.390	1.258	1.258
Charlotte	9417	Kye & Deborah Bishop	A415	G	0.000	0.171	0.171
Charlotte	9476	Citrus Creek Grove LLC	A415	G	0.633	0.679	0.679
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	G	0.341	1.491	1.491
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	S	0.255	1.491	1.491
Charlotte	9727	Friedrich Schiller	A415	G	0.129	0.492	0.492
Charlotte	9926	R and D Cattle Ranch LLC	A415	G	0.000	0.665	0.615

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Charlotte	9926	R and D Cattle Ranch LLC	A415	S	0.000	0.665	0.615
Charlotte	10726	JDI Farms Inc	A56F	G	0.000	0.402	0.402
Charlotte	10726	JDI Farms Inc	A56F	S	0.000	0.402	0.402
Charlotte	10874	Charlotte Florida Partnership	A415	G	0.087	0.221	0.221
Charlotte	11715	Coral Creek Burnt Store, LLC	A490	G	0.000	0.240	0.240
Charlotte	11982	Bethel Farms LLLP	A525	G	1.277	0.715	0.715
Charlotte	12541	Battista Farms SR 31 Real Property, LLC	A525	G	0.000	0.433	0.433
Charlotte	12541	Battista Farms SR 31 Real Property, LLC	A525	S	0.237	0.433	0.433
Charlotte	13349	Ryals Citrus & Cattle, LLC	A525	G	0.400	0.499	0.499
Charlotte	20053	Hudson Hammocks, LLC and JMH Trust	A470	G	0.027	0.363	0.363
<b>Charlotte County Totals</b>					<b>8.170</b>	<b>Metered, mgd</b>	
					<b>1.231</b>	<b>Estimated, mgd, 23 WUPs</b>	
					<b>9.401</b>	<b>Total, mgd</b>	
Citrus	12288	M & B Products Inc	A455	G	0.373	0.497	0.497
<b>Citrus County Totals</b>					<b>0.373</b>	<b>Metered, mgd</b>	
					<b>1.384</b>	<b>Estimated, mgd, 39 WUPs</b>	
					<b>1.756</b>	<b>Total, mgd</b>	
DeSoto	164	Citrus Pride Inc	A415	G	0.120	0.179	0.179
DeSoto	481	Cynthia G. Dees and William T. Trawick	A415	G	0.000	0.096	0.096
DeSoto	572	Sorrells Groves, Inc	A415	G	0.064	0.261	0.261
DeSoto	897	Sorrells Groves, Inc	A415	G	0.324	0.457	0.457
DeSoto	940	James Bickett	A415	G	0.103	0.330	0.330
DeSoto	1018	TLand, LLC	A415	G	0.000	0.074	0.074
DeSoto	1020	Ryals Citrus and Cattle Co. and Ann Ryals	A470	G	0.000	0.330	0.330
DeSoto	1048	A & A Blueberry, LLC	A410	G	0.037	0.204	0.204
DeSoto	1176	Constructora Limonar, LLC	A415	G	0.083	0.102	0.102
DeSoto	1240	Bethel Farms, LLLP	A415	G	0.051	0.075	0.075
DeSoto	1379	Robert Brewer, Lenora Brewer, James Brewer	A415	G	0.035	0.099	0.099

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
DeSoto	1381	Sorrells Of Manatee Inc	A415	G	0.050	0.163	0.163
DeSoto	1384	Sorrells Groves, Inc	A415	G	0.046	0.107	0.107
DeSoto	1389	Sorrells Groves, Inc	A415	G	0.000	0.147	0.147
DeSoto	1391	Down South Blues Corp	A410	G	0.060	0.118	0.118
DeSoto	1568	Turner Land & Cattle, LLP	A415	G	0.001	0.186	0.186
DeSoto	1635	Bethel Farms, LLLP	A525	G	1.779	2.966	2.966
DeSoto	1687	Cary Mike Mercer & Eugene H Jr & Jane Turner	A415	G	0.000	0.089	0.089
DeSoto	1711	Sunny South Packing Company	A415	G	0.135	0.239	0.239
DeSoto	1719	Sunny South Packing Company	A415	G	0.134	0.174	0.174
DeSoto	1722	Sunny South Packing Company	A415	G	0.049	0.079	0.079
DeSoto	1723	Sunny South Packing Company	A415	G	0.124	0.369	0.369
DeSoto	1754	L.I. Buddy Smith	A415	G	0.000	0.114	0.114
DeSoto	1755	Estate of V C Hollingsworth	A415	G	0.088	0.174	0.174
DeSoto	1766	Hollingsworth Grove Properties LLC	A415	G	0.026	0.059	0.059
DeSoto	1771	Diner Citrus and Cattle Company	A415	G	0.002	0.143	0.143
DeSoto	1774	Sunny South Packing Company	A415	G	0.049	0.080	0.080
DeSoto	2125	Carlton Horse Creek Partners LLC	A470	G	0.197	0.629	0.629
DeSoto	2193	Phillip W Turner Family Partnership LTD	A490	G	0.636	3.802	3.802
DeSoto	2240	Eugene H Turner Family Partnership, LTD	A415	G	0.159	0.239	0.239
DeSoto	2240	Eugene H Turner Family Partnership, LTD	A415	S	0.000	0.239	0.239
DeSoto	2386	Joshua Water Control District	A415	G	11.932	14.197	14.197
DeSoto	2390	Alfred G & Mary J Parker	A490	G	0.077	0.265	0.265
DeSoto	2418	Island Grove, LLC	A410	G	0.036	0.091	0.091
DeSoto	2452	Florida Power & Light Co	A525	G	0.000	1.222	1.222
DeSoto	2665	M and V, LLC	A415	G	0.112	0.677	0.677
DeSoto	2703	VCH Citrus, LLC	A415	G	0.325	0.473	0.473
DeSoto	2740	Eugene H. Turner as the Trustee	A415	G	0.250	0.538	0.538
DeSoto	2790	VCH Citrus, LLC	A415	G	0.092	0.150	0.150



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
DeSoto	2791	Eugene H. Turner Family Limited Partnership	A415	G	0.091	0.061	0.061
DeSoto	2906	Ben Hill Griffin, Inc	A416	G	0.055	0.119	0.119
DeSoto	3069	DeSoto Land Investment, LLC	A415	G	0.102	0.498	0.498
DeSoto	3216	T & T Environmental, LLC	A415	G	0.061	0.285	0.285
DeSoto	3275	Chapman Family Partnership LLLP	A415	G	0.807	1.102	1.102
DeSoto	3275	Chapman Family Partnership LLLP	A415	S	0.277	1.102	1.102
DeSoto	3320	Bickett Holdings, LLC	A415	G	0.001	0.018	0.018
DeSoto	3322	Sorrells Groves, Inc	A415	G	0.004	0.081	0.081
DeSoto	3474	John Parker, Jr	A415	G	0.034	0.092	0.092
DeSoto	4396	Sorrells Groves, Inc	A415	G	0.113	0.154	0.154
DeSoto	4606	Spanish Trail Land & Cattle Company LLC	A525	G	0.118	3.402	3.402
DeSoto	4606	Spanish Trail Land & Cattle Company LLC	A525	S	0.000	3.402	3.402
DeSoto	4641	Roper Growers Cooperative	A415	G	0.035	1.167	1.167
DeSoto	4726	Ridgeback Grove LLC	A415	G	0.070	0.171	0.171
DeSoto	4806	Sorrells Groves, Inc	A415	G	0.126	0.248	0.248
DeSoto	4899	Spanish Trail Land & Cattle Company, LLC	L632	G	0.142	0.352	0.352
DeSoto	5060	Charlee LLC	A470	G	0.372	2.203	2.203
DeSoto	5305	Mercer's Mens & Western Store, Inc	A415	G	0.104	0.206	0.206
DeSoto	5875	James Bickett	A415	G	0.468	0.773	0.773
DeSoto	5951	Dan Shelfer and Carolyn Shelfer Trust	A415	G	0.100	0.134	0.134
DeSoto	6064	James D. Brewer, James R. Brewer & Robert C. Brewer	A415	G	0.045	0.129	0.129
DeSoto	6122	Estate of V C Hollingsworth	A415	G	0.125	0.247	0.247
DeSoto	6134	Robert M & Barbara G Tiffany	A415	G	0.084	0.128	0.128
DeSoto	6274	West Vero Farms, LLC	A415	G	0.029	0.523	0.523
DeSoto	6274	West Vero Farms, LLC	A415	S	0.000	0.523	0.523
DeSoto	6275	West Vero Farms, LLC	A415	G	0.046	0.876	0.876
DeSoto	6275	West Vero Farms, LLC	A415	S	0.000	0.876	0.876
DeSoto	6410	Charles Harrison	A415	G	0.063	0.110	0.110

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
DeSoto	6411	Justin Blomberg, Trustee of the DeSoto 293 Land Trust	A415	G	0.258	0.227	0.227
DeSoto	6669	QC Desoto Grove Ventures, LLC	A415	G	0.831	1.655	1.655
DeSoto	6669	QC Desoto Grove Ventures, LLC	A415	S	0.136	1.655	1.655
DeSoto	6765	QC Hancock Grove, LLC	A415	G	0.864	1.647	1.647
DeSoto	6765	QC Hancock Grove, LLC	A415	S	0.000	1.647	1.647
DeSoto	6871	Davis Enterprises, Inc	A415	G	0.592	0.428	0.428
DeSoto	6872	Tippen Bay Properties, LLLP	A415	G	0.414	1.585	1.585
DeSoto	6872	Tippen Bay Properties, LLLP	A415	S	0.000	1.585	1.585
DeSoto	6968	James D & Robert C Brewer	A495	G	0.000	1.099	1.099
DeSoto	7047	E & D Ranch LLP	A495	G	0.027	0.107	0.107
DeSoto	7236	John K Johnson & H L Johnson Family Limited Partnership	A525	G	0.010	0.443	0.443
DeSoto	7262	Sorrells Groves, Inc	A415	G	0.042	0.088	0.088
DeSoto	7269	Michael Boran	A525	G	0.000	0.931	0.931
DeSoto	7290	James D. Brewer & E. Coleman Brewer	A415	G	0.090	0.307	0.307
DeSoto	7291	VCH Citrus LLC and VC Hollingsworth Sr	A415	G	0.087	0.117	0.117
DeSoto	7292	Charles Harrison	A415	G	0.010	0.080	0.080
DeSoto	7331	Justin Blomberg	A525	G	0.006	0.744	0.744
DeSoto	7462	Michael A. & Julie M. Walton	A525	G	0.101	1.246	1.246
DeSoto	7462	Michael A. & Julie M. Walton	A525	S	0.000	1.246	1.246
DeSoto	7463	3F Ranch I, LLC	A490	G	0.000	0.169	0.169
DeSoto	7535	Bickett Farms	A415	G	0.847	1.055	1.055
DeSoto	7748	4 F, LLC	L632	G	0.093	0.488	0.488
DeSoto	7775	Sorrells Groves, Inc	A415	G	0.057	0.132	0.132
DeSoto	7783	Southeast Groves, LLC	A415	G	0.415	0.456	0.456
DeSoto	7783	Southeast Groves, LLC	A415	S	0.191	0.456	0.456
DeSoto	7854	Sunny Future, LLC	A415	G	0.085	0.137	0.137
DeSoto	7870	Sorrells Groves, Inc	A415	G	0.132	0.197	0.197
DeSoto	7957	Turner Groves Citrus Limited Partnership	A415	G	3.210	3.170	3.170

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
DeSoto	8154	Emerald Packing Company Inc	A415	G	0.052	0.071	0.071
DeSoto	8155	7 Mile Marine Center, Inc	A58S	G	0.000	0.149	0.149
DeSoto	8159	Sue G Parker, Trustee	A415	G	0.040	0.180	0.180
DeSoto	8287	QC Desoto Grove Ventures, LLC	A415	G	0.263	0.180	0.180
DeSoto	8348	William Head	A470	G	0.109	0.470	0.470
DeSoto	8436	RCB Desoto, LLC	A415	G	0.010	0.090	0.090
DeSoto	8480	QC Desoto Grove Ventures, LLC	A415	G	1.510	1.257	1.257
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	G	2.197	4.356	4.356
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	S	0.000	4.356	4.356
DeSoto	8660	Desoto 451 Land Trust	A415	G	0.390	0.354	0.354
DeSoto	8670	Citrus Pride, Inc	A415	G	0.072	0.211	0.211
DeSoto	8757	Southeast Groves, LLC	A415	G	0.179	0.464	0.464
DeSoto	8773	Charlotte Harbor Landing LLC	A50F	G	0.000	0.150	0.150
DeSoto	8801	Robert C and Lenora P Brewer	A415	G	0.016	0.103	0.103
DeSoto	8860	Estate of V C Hollingsworth Sr	A415	G	0.372	0.504	0.504
DeSoto	8935	Estate of V C Hollingsworth	A415	G	0.058	0.131	0.130
DeSoto	8985	Southeast Groves, LLC	A415	G	1.716	3.109	3.109
DeSoto	9031	Sorrells Groves Inc	A415	G	0.056	0.127	0.127
DeSoto	9073	Diaz Family Properties, LLC	L661	G	0.172	0.325	0.325
DeSoto	9127	Sunriver Citrus Florida LLC	A415	G	0.015	0.350	0.350
DeSoto	9154	QC Desoto Grove Ventures, LLC	A415	G	0.294	0.453	0.453
DeSoto	9185	QC Desoto Grove Ventures, LLC	A415	G	0.361	0.382	0.382
DeSoto	9226	PH Citrus, LLC	A535	G	0.407	2.013	2.013
DeSoto	9279	Sorrells Groves, Inc	A415	G	0.073	0.084	0.084
DeSoto	9373	QC Far Lo Grove, LLC	A415	G	0.116	0.123	0.123
DeSoto	9441	L.I. Buddy Smith	A415	G	0.000	0.035	0.035
DeSoto	9469	Sorrells Groves, Inc	A415	G	0.000	0.259	0.259
DeSoto	9478	Michael Boran	A525	G	0.000	0.954	0.954

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
DeSoto	9492	West Vero Farms, LLC	A415	G	0.045	0.253	0.253
DeSoto	9492	West Vero Farms, LLC	A415	S	0.131	0.253	0.253
DeSoto	9567	L.I. Smith	A415	G	0.265	0.291	0.291
DeSoto	9571	Robert H Barben, Robert J Barben	A415	G	0.168	0.160	0.160
DeSoto	9715	James D and Robert C Brewer	A415	G	0.019	0.188	0.188
DeSoto	9716	Island Grove LLC	A410	G	0.074	0.122	0.122
DeSoto	9716	Island Grove LLC	A410	S	0.000	0.122	0.122
DeSoto	9732	The Garrett Ranch Partnership LLLP	A490	G	0.047	0.147	0.147
DeSoto	9734	Ryals Citrus & Cattle	A470	G	0.000	0.227	0.227
DeSoto	9741	Mosaic Fertilizer LLC and CMI	A470	G	1.060	1.831	1.831
DeSoto	9782	Peace Valley Groves, Inc	A415	G	0.327	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	0.033	0.074	0.074
DeSoto	10067	Ed Watson	A415	G	0.076	0.117	0.117
DeSoto	10233	Charles T. and Gina M. Adams, Co-Trustees of Adams Family Trust	A490	G	0.000	0.117	0.117
DeSoto	10251	Robert T. & Barbara G. Tiffany	A415	G	0.082	0.085	0.085
DeSoto	10379	M & R Groves Inc	A410	G	0.051	0.380	0.380
DeSoto	10553	James D & E Coleman Brewer	A415	G	0.021	0.128	0.128
DeSoto	10719	Phillip W Turner Family Partnership LTD	A416	G	0.196	0.281	0.281
DeSoto	10722	Alico, Inc	A415	G	5.002	5.147	5.147
DeSoto	10892	L.I. Buddy Smith	A470	G	0.000	0.189	0.189
DeSoto	10968	C Dennis Carlton	A470	G	0.000	0.318	0.318
DeSoto	10971	W M and Linda Sue Marsh	A415	G	0.102	0.201	0.201
DeSoto	11017	QC Desoto Grove Ventures, LLC	A415	G	0.151	0.123	0.123
DeSoto	11124	Dimare Ruskin #2 LLC	A56F	G	1.090	2.259	2.259
DeSoto	11201	Sorrells Groves, Inc	A415	G	0.059	0.184	0.184
DeSoto	11202	Sorrells Groves, Inc	A415	G	0.040	0.112	0.112
DeSoto	11256	Esther Fuhrer	A470	G	0.000	0.231	0.231

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
DeSoto	11261	Peace River Development Corp	A56S	G	0.000	0.665	0.646
DeSoto	11604	Isaac F Albritton Groves Ltd	A470	G	0.000	0.398	0.398
DeSoto	11665	4 N 1 Grove LLC	A415	G	0.142	0.262	0.262
DeSoto	11718	Bermont Properties LLC	A415	G	0.073	0.151	0.151
DeSoto	12004	Department of Corrections	A58H	G	0.153	0.252	0.252
DeSoto	12179	Owens Enterprises, Inc	A470	G	0.107	0.191	0.190
DeSoto	12195	CB Landholdings II LLC	A415	G	0.064	0.287	0.287
DeSoto	12253	Citrus Grove Inc	A415	G	0.117	0.155	0.155
DeSoto	12391	James Bickett	A490	G	0.297	0.803	0.803
DeSoto	12503	VCH Citrus, LLC	A525	G	0.000	0.497	0.497
DeSoto	12562	James and Judy Albritton	A415	G	0.001	0.131	0.131
DeSoto	12814	Llano Partners, Ltd	A470	G	0.000	1.749	1.749
DeSoto	12818	Island Grove LLC	A410	G	0.084	0.194	0.194
DeSoto	12866	VCH Citrus LLC	A415	G	0.165	0.199	0.199
DeSoto	12875	QC Desoto Grove Ventures, LLC	A415	G	0.267	0.207	0.207
DeSoto	13002	Wheeler Farms, Inc	A416	G	0.000	0.076	0.076
DeSoto	13225	Evelyn I. Collins	A525	G	0.000	0.160	0.160
DeSoto	13225	Evelyn I. Collins	A525	S	0.000	0.160	0.160
DeSoto	13370	Jack Paul Properties Inc	A415	G	0.000	1.478	1.478
DeSoto	13370	Jack Paul Properties Inc	A415	S	0.000	1.478	1.478
DeSoto	20119	DeSoto Excavating, Inc	A410	G	0.000	0.065	0.065
DeSoto	20285	Sweetwood Citrus, Inc	A415	G	0.000	0.149	0.149
DeSoto	20554	French Golden Gate, LLC	A58S	G	0.443	2.320	2.320
DeSoto	20664	Gerald Rucks	L710	G	0.011	0.193	0.193
DeSoto	20703	Optimum Ranch Florida, LLC	A58S	G	0.082	0.770	0.770
<b>DeSoto County Totals</b>					<b>48.068</b>	<b>Metered, mgd</b>	
					<b>6.210</b>	<b>Estimated, mgd, 279 WUPs</b>	
					<b>54.278</b>	<b>Total, mgd</b>	

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hardee	51	Altos Rock, LLC	A410	G	0.032	0.217	0.217
Hardee	52	H. Shawn and Zenybie Pollard	A410	G	0.145	0.215	0.215
Hardee	56	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.000	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	0.027	0.069	0.069
Hardee	456	Barlow Family Partnership	A415	G	0.000	0.115	0.115
Hardee	480	Johnson-Hardee Holdings, LLC	A415	G	0.076	0.131	0.131
Hardee	527	Stephen M & Jennifer S Palmer	A415	G	0.091	0.259	0.259
Hardee	558	Chapman Family Partnership, LLLP	A415	G	0.056	0.102	0.102
Hardee	560	Dorothy Campbell Et Al Trustee	A415	G	0.000	0.101	0.101
Hardee	614	Picnic Block Holdings, Inc	A415	G	0.044	0.143	0.143
Hardee	690	Gerald J McLean, Trustee	A415	G	0.000	0.194	0.194
Hardee	775	SLB&B of Wauchula, LLC	A415	G	0.061	0.088	0.088
Hardee	784	Mosaic Fertilizer, LLC	A415	G	0.203	0.339	0.339
Hardee	785	Mosaic Fertilizer, LLC	A415	G	0.887	1.185	1.185
Hardee	834	Lanier Ranch & Grove, Inc	A56S	G	0.036	0.192	0.192
Hardee	1088	John and Josephine Beck	A415	G	0.033	0.086	0.086
Hardee	1102	Peace River Investments Of Wauchula, LLC	A415	G	0.057	0.119	0.119
Hardee	1148	Paul Mislevy Living Trust	A415	G	0.076	0.189	0.189
Hardee	1242	Barben Group	A415	G	0.233	0.263	0.263
Hardee	1245	Ronald F. and Sharon D. Moye	A415	G	0.000	0.146	0.146
Hardee	1257	C. Dennis Carlton Family LLLP	A56S	G	0.027	0.300	0.300
Hardee	1259	Bethel Farms LLLP	A415	G	0.090	0.162	0.162
Hardee	1283	J W Crews Jr	A415	G	0.049	0.112	0.112
Hardee	1324	Mosaic Fertilizer, LLC	A416	G	0.027	0.061	0.061
Hardee	1339	Ronald F. and Sharon D. Moye	A415	G	0.000	0.086	0.086
Hardee	1454	Crewsville Groves LLC	A415	G	1.151	0.955	0.955
Hardee	1472	Margaret Henderson	A415	G	0.025	0.096	0.096

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hardee	1576	W & S Duncan Limited Partnership	A415	G	0.074	0.131	0.131
Hardee	1655	T & C Investments, Inc	A415	G	0.057	0.269	0.269
Hardee	1672	Chapman Family Partnership, LLLP	A415	G	0.036	0.269	0.269
Hardee	1709	Sunny South Packing Company	A415	G	0.054	0.079	0.079
Hardee	1746	Morgan Grove, LLC	A415	G	0.178	0.533	0.533
Hardee	1906	Calyx Investments, LLC	A415	G	0.118	0.200	0.200
Hardee	1912	V & W Farms Inc of Delray Beach	A495	G	0.094	1.298	1.295
Hardee	2158	C.R. Melear Corp	L700	G	0.318	0.749	0.749
Hardee	2164	C.R. Melear Corp	A415	G	0.202	0.371	0.371
Hardee	2270	Three B Grove and Ranch, LLP, et. Al.	A415	G	0.089	0.114	0.114
Hardee	2358	Rocking Cross Ranch Inc	A415	G	0.000	0.120	0.120
Hardee	2362	Johnson Wauchula 1033 Farm, LLC	A535	G	0.104	0.113	0.113
Hardee	2382	D H Ranch Inc	A490	G	0.005	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	0.260	1.271	1.271
Hardee	2584	John L. & Jeri A. Matz	A415	G	0.000	0.078	0.078
Hardee	2614	Hollingsworth Grove Properties LLC	A415	G	0.115	0.166	0.166
Hardee	2626	734 LMC Groves, LLC	A415	G	0.328	0.354	0.354
Hardee	2645	Willard K Durrance, Jr, Elizabeth A. Durrance	A415	G	0.180	0.107	0.107
Hardee	2647	Willard Kelly Durrance, Jr	A490	G	0.047	0.183	0.183
Hardee	2648	W.K. Durrance, LLC	A455	G	0.280	0.438	0.438
Hardee	2715	Mosaic Fertilizer, LLC	A525	G	0.373	4.335	4.335
Hardee	2715	Mosaic Fertilizer, LLC	A525	S	0.227	4.335	4.335
Hardee	2727	Useppa Citrus, LLC	A415	G	0.088	0.157	0.157
Hardee	2774	Farr Groves LLC	A415	G	0.022	0.104	0.104
Hardee	2871	Tamiami Citrus, LLC	A415	G	0.682	1.357	1.357
Hardee	2871	Tamiami Citrus, LLC	A415	S	0.000	1.357	1.357
Hardee	2927	Carl M & Betty A Wilburn Co-Tst Lvg Trstt 6/6/01	A415	G	0.146	0.338	0.338

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hardee	2930	McCarlton Partners Ltd	A415	G	0.112	0.171	0.171
Hardee	2932	McCarlton Partners Ltd	A470	G	0.000	0.423	0.423
Hardee	3076	The Mosaic Co	A415	G	0.000	0.250	0.250
Hardee	3096	QC Desoto Grove Ventures, LLC	A415	G	0.175	0.200	0.200
Hardee	3119	Sweetwater Citrus Inc	A415	G	0.087	0.125	0.125
Hardee	3134	Crews Groves, Inc	A415	G	0.254	0.244	0.244
Hardee	3135	Crews Groves, Inc	A415	G	0.370	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	0.094	0.088	0.088
Hardee	3235	T.C. Prescott, LLC	A415	G	0.015	0.123	0.123
Hardee	3292	Joe L. Davis, Sr & J.W. Crews, Jr	A415	G	0.095	0.119	0.119
Hardee	3321	Mosaic Fertilizer LLC	A415	G	0.094	0.173	0.173
Hardee	3338	Mosaic Fertilizer, LLC	A415	G	0.000	0.030	0.030
Hardee	3341	George D N Beck & Glenn Elliott Beck	A415	G	0.066	0.123	0.123
Hardee	3478	Jed Groves Inc	A415	G	0.038	0.077	0.077
Hardee	3508	Mosaic Fertilizer, LLC	A646	G	0.000	0.306	0.306
Hardee	3514	Quail Creek Farms Inc	A525	G	0.000	0.617	0.617
Hardee	3592	Square D Ranch Ltd LLP	A490	G	0.000	0.335	0.335
Hardee	3599	Crewsville Dairy Inc	A495	G	0.050	0.496	0.496
Hardee	3612	William K. and Elizabeth A. Durrance	A415	G	0.160	0.112	0.112
Hardee	3626	South Property Holdings, LLC	A415	G	0.091	0.221	0.221
Hardee	3695	3-C Ranch Ltd	A56S	G	0.357	0.825	0.825
Hardee	3697	Limestone Land, LLC	A470	G	0.000	0.192	0.192
Hardee	4041	Ninfa C Davis Family LLC	A415	G	0.138	0.142	0.142
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	G	1.160	1.587	1.587
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	S	0.076	1.587	1.587
Hardee	4197	Krause Groves, LLC	A415	G	0.070	0.114	0.114
Hardee	4229	Peace Valley Groves, Inc	A415	G	0.107	0.120	0.120



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hardee	4487	QC Hardee Grove Ventures LLC	A415	G	0.249	0.321	0.321
Hardee	4525	Wauchula Farms, LLC	A480	G	0.080	0.111	0.111
Hardee	4554	QC Desoto Grove Ventures, LLC	A415	G	0.129	0.130	0.130
Hardee	4600	Sweetwater Preserve, LLC	A535	G	0.304	1.163	1.163
Hardee	4600	Sweetwater Preserve, LLC	A535	S	0.004	1.163	1.163
Hardee	4660	Rolfe G Thompson Indiv & Trstee Thompson Family Trust	A56S	G	0.000	0.391	0.391
Hardee	4719	Lamb Groves, Inc	A415	G	0.103	0.142	0.142
Hardee	4769	Himrod Groves Limited Partnership	A415	G	0.045	0.201	0.201
Hardee	4817	Twenty Twenty Groves, Inc	A415	G	1.264	1.780	1.780
Hardee	4817	Twenty Twenty Groves, Inc	A415	S	0.000	1.780	1.780
Hardee	4994	Maggie Simmons Messana	A525	G	0.097	0.211	0.211
Hardee	5024	Mary Jane and Charles Matheny	A490	G	0.029	0.130	0.130
Hardee	5912	Ninfa C Davis Family LLC	A415	G	0.053	0.108	0.108
Hardee	5918	Crews Groves, Inc	A490	G	0.079	0.370	0.370
Hardee	6368	Donnis A. and Kathleen A. Barber	A480	G	0.137	0.188	0.188
Hardee	6393	Theo, Christina, Austin, and Henry Bryant	A480	G	0.043	0.107	0.107
Hardee	6550	Zolfo Springs Grove, LLC	A415	G	0.094	0.114	0.114
Hardee	6579	John Clay Henderson Trust	A415	G	0.068	0.090	0.090
Hardee	6925	Farr Groves LLC	A415	G	0.057	0.097	0.097
Hardee	7025	Team Pentecost, LLC	A525	G	0.024	1.301	1.301
Hardee	7099	J. R. Paul, Jr. Family Limited Partnership	A415	G	0.181	0.143	0.143
Hardee	7332	Mosaic Fertilizer, LLC	A415	G	0.000	0.123	0.123
Hardee	7341	Cornerstone Grove, LLC	A415	G	0.114	0.163	0.163
Hardee	7376	Sorrells Groves, Inc	A415	G	0.034	0.135	0.135
Hardee	7408	Southern Sisters Family LP	A415	G	0.026	0.107	0.107
Hardee	7447	Robert C & Robin E Abbott	A415	G	0.017	0.126	0.126
Hardee	7483	Carlton Melear and Son Dairy, Inc	L615	G	0.044	0.375	0.375
Hardee	7505	Kahn Grove Service Co	A415	G	0.189	0.133	0.133

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hardee	7522	Putnam Groves, Inc	A490	G	0.000	0.410	0.410
Hardee	7743	Pavilo Land Holdings, LLC	A480	G	0.116	0.235	0.235
Hardee	7759	Edgar Davis	A415	G	0.025	0.074	0.074
Hardee	7778	Kenneth DeVane Groves, Inc	A415	G	0.058	0.137	0.137
Hardee	7785	The Durrance Groves Limited Partnership	A415	G	0.000	0.075	0.075
Hardee	7831	Kyland, LLC	A470	G	0.000	0.176	0.176
Hardee	8007	Daniel W. & Karen Dodrill	A415	G	0.058	0.102	0.102
Hardee	8057	Charles Bass	A535	G	0.000	0.461	0.461
Hardee	8057	Charles Bass	A535	S	0.000	0.461	0.461
Hardee	8204	Blue Fields USA, LLC	A410	G	0.056	0.208	0.208
Hardee	8234	Royce & Martha Tyson	A415	G	0.090	0.105	0.105
Hardee	8372	Daniel H. & Linda M. Smith	A415	G	0.123	0.157	0.157
Hardee	8695	Peter Goldstein	A415	G	0.055	0.131	0.131
Hardee	8696	Dole Berry Company	A410	G	0.193	0.326	0.326
Hardee	8734	Mosaic Fertilizer LLC	A470	G	0.000	0.343	0.343
Hardee	8752	South Ft. Meade Land Management, Inc	A655	G	0.000	0.171	0.171
Hardee	8839	Edward M Schweighofer, Trs.	A415	G	0.019	0.094	0.094
Hardee	8845	C. Elton Crews Family LP, LLLP	A415	G	0.141	0.134	0.134
Hardee	8895	V C Hollingsworth Jr & Estate of V C Hollingsworth Sr	A415	G	0.292	0.574	0.574
Hardee	8907	Davis Enterprises, Inc	A415	G	0.235	0.169	0.169
Hardee	8917	Estate of VC Hollingsworth Sr	A415	G	0.114	0.244	0.244
Hardee	8963	C&T Citrus, LLC	A415	G	0.141	0.206	0.206
Hardee	8969	South Ft. Meade Land Management, Inc	A415	G	0.159	0.372	0.372
Hardee	8973	Mosaic Fertilizer, LLC	A56S	G	0.000	0.168	0.168
Hardee	8975	Prewitt Enterprises, LLC	A415	G	0.086	0.224	0.224
Hardee	9027	Davis Enterprises Inc / Davis Citrus Mgmt Inc / Joe L Davis, Jr	A415	G	0.294	0.355	0.355
Hardee	9038	William Harrison	A490	G	0.056	0.144	0.144
Hardee	9171	Stevens Land & Cattle LLC	A490	G	0.215	0.440	0.440

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hardee	9390	Windmill Farms Nurseries, Inc	A480	G	0.103	0.238	0.238
Hardee	9390	Windmill Farms Nurseries, Inc	A480	S	0.000	0.238	0.238
Hardee	9460	Stuart Groves, Inc	A415	G	0.157	0.187	0.187
Hardee	9486	South Ft Meade Land Management, Inc	A415	G	0.053	0.495	0.495
Hardee	9550	Hardee Correctional Institution	A58S	G	0.015	0.301	0.016
Hardee	9673	Debra, Thomas S., Thomas C, & Kara Watkins	A415	G	0.294	0.725	0.725
Hardee	9683	Thelma C. Raley, Inc	A415	G	0.271	0.304	0.304
Hardee	9689	Lake Sawyer Properties, Inc	A415	G	0.092	0.138	0.138
Hardee	9691	The Groves of Peace River, Inc	A415	G	0.146	0.128	0.128
Hardee	9809	Charles J Abbott, Trustee of Charles J Abbott Revocable Trust	A415	G	0.078	0.076	0.076
Hardee	9847	Lynchburg Groves General Partnership	A415	G	0.187	0.157	0.157
Hardee	9850	Bentley Snyder	A415	G	0.084	0.074	0.074
Hardee	9901	Smoak Groves, Inc	A415	G	0.438	0.497	0.497
Hardee	9901	Smoak Groves, Inc	A415	S	0.009	0.497	0.497
Hardee	9987	Redding Farms, LLC	A480	G	0.000	0.062	0.062
Hardee	10009	E L Davis Jr	A495	G	0.036	0.223	0.223
Hardee	10052	Limestone Ranch LLC	A470	G	0.037	0.181	0.181
Hardee	10309	F.L. Revell	A480	G	0.000	0.089	0.089
Hardee	10671	Mosaic Fertilizer LLC	A415	G	0.864	2.294	2.294
Hardee	10771	Carl Wilburn	A415	G	0.069	0.132	0.132
Hardee	10934	HRS Real Estate Trust	A470	G	0.000	0.209	0.209
Hardee	11032	Donnis A. and Kathleen A. Barber	A495	G	0.000	0.089	0.089
Hardee	11083	Patricia Grimsley Trust & Grimsley Groves Inc	A415	G	0.036	0.084	0.084
Hardee	11147	D-3 Farms, LLC and Elizabeth & W. Kelly Durrance Jr	A470	G	0.000	0.208	0.208
Hardee	11182	R M D Properties LLC	A535	G	0.186	0.482	0.482
Hardee	11189	Harvill Groves Ltd	A415	G	0.185	0.319	0.319
Hardee	11240	Story Groves, Inc	A415	G	0.291	0.352	0.352
Hardee	11244	Dixie Belle Groves Partnership	A415	G	0.135	0.090	0.090

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hardee	11395	Mosaic Fertilizer LLC	A51S	G	0.080	0.441	0.441
Hardee	11412	Mosaic Fertilizer, LLC	A646	G	0.000	0.306	0.306
Hardee	11639	Buckhorn Nursery, Ltd	A480	G	0.234	0.442	0.442
Hardee	11714	Mosaic Fertilizer, LLC	A415	G	0.032	0.238	0.238
Hardee	11840	Glen Elliot Beck, as successor Trustee	A415	G	0.054	0.092	0.092
Hardee	11993	Roberto, Salvador, and Aniceto Estrada	A56S	G	0.000	0.290	0.290
Hardee	12199	Ida Mae Kipp / Triangle K Ranch, Inc	A410	G	0.000	0.131	0.131
Hardee	12331	Classic Caladiums Inc & Smoak Groves Inc	A486	G	0.369	0.929	0.843
Hardee	12643	James Bickett	A416	G	0.222	0.414	0.414
Hardee	12646	Donnis Barber	A470	G	0.000	0.493	0.493
Hardee	12757	New Port Groves Partnership	A415	G	0.167	0.124	0.124
Hardee	12881	Stephen A. Herring Revocable Trust	A535	G	0.082	0.490	0.490
Hardee	12882	Arthur S. Womack Family, LLC	A415	G	0.078	0.082	0.082
Hardee	13145	Blue Fields USA LLC	A410	G	0.093	0.223	0.223
Hardee	13145	Blue Fields USA LLC	A410	S	0.000	0.223	0.223
Hardee	13184	Mosaic Fertilizer, LLC	A470	G	0.000	0.295	0.295
Hardee	13188	Germantown Citrus Partnership	A415	G	0.084	0.125	0.125
Hardee	13248	The Groves of Peace River, Inc	A415	G	0.361	0.402	0.402
Hardee	20376	Pebbledale Farms, Inc	A410	G	0.317	0.316	0.316
Hardee	20449	Twenty Twenty Groves, Inc	A415	G	0.052	0.532	0.532
Hardee	20483	Charles J & Josephine Abbott Trustees	A415	G	0.089	0.158	0.158
Hardee	20760	Charles and Jane Stevens	A415	G	0.000	0.041	0.041
<b>Hardee County Totals</b>					<b>23.609</b>	<b>Metered, mgd</b>	
					<b>14.712</b>	<b>Estimated, mgd, 622 WUPs</b>	
					<b>38.321</b>	<b>Total, mgd</b>	
Hernando		There were no metered agricultural WUPs in Hernando County (permit metering threshold >= 0.500 mgd)					
<b>Hernando County Totals</b>					<b>0.000</b>	<b>Metered, mgd</b>	
					<b>1.769</b>	<b>Estimated, mgd, 65 WUPs</b>	

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
<b>Hernando</b>					<b>1.769</b>	<b>Total, mgd</b>	
Highlands	3736	Avon Park Holdings, LLC	A415	G	0.127	0.234	0.234
Highlands	4075	Ward Family Ltd Partnership	A415	G	0.406	0.307	0.307
Highlands	4077	Martin J and Karen McKenna	A415	G	0.039	0.111	0.111
Highlands	4086	Sun Pure Holding, LLC	A415	G	0.000	0.087	0.051
Highlands	4162	Macbeth Associates, Ltd	A415	G	0.068	0.129	0.129
Highlands	4219	S.Y. Hartt & Son, Inc	A415	G	1.153	1.340	1.340
Highlands	4230	Peace Valley Groves, Inc	A415	G	0.076	0.098	0.098
Highlands	4251	Gapway Grove Corp	A415	G	0.049	0.180	0.180
Highlands	4253	Gapway Grove Corp	A415	G	0.048	0.227	0.227
Highlands	4284	A.R. Chapman and Stephens Groves, Inc	A415	G	0.131	0.212	0.212
Highlands	4288	C. Elton Crews Family LP, LLLP	A415	G	0.035	0.092	0.092
Highlands	4300	Mark D. Beck Family Trust	A415	G	0.027	0.107	0.107
Highlands	4393	Phoenix Groves, LLC	A415	G	0.290	0.289	0.289
Highlands	4527	John L. Beck Living Trust	A415	G	0.072	0.143	0.143
Highlands	4557	Saxon Groves Inc	A415	G	0.059	0.179	0.179
Highlands	4557	Saxon Groves Inc	A415	S	0.095	0.179	0.179
Highlands	4604	Avon Park Lake Estates, LLC	A415	G	0.198	0.148	0.148
Highlands	4677	Ben Hill Griffin, Inc	A415	G	0.068	0.100	0.100
Highlands	4678	Ben Hill Griffin, Inc	A415	G	0.098	0.119	0.119
Highlands	4679	Ben Hill Griffin, Inc	A415	G	1.427	1.593	1.593
Highlands	4680	Ben Hill Griffin, Inc	A415	G	1.114	1.596	1.596
Highlands	4681	Ben Hill Griffin, Inc	A415	G	0.096	0.104	0.104
Highlands	4685	Ben Hill Griffin, Inc	A415	G	0.333	0.425	0.425
Highlands	4896	734 BLP Groves, LLC	A415	G	0.588	0.833	0.833
Highlands	4922	Crutchfield Groves, Inc	A415	G	0.045	0.110	0.110
Highlands	4941	Charles L. and Anne D. Reynolds, Jr	A415	S	0.018	0.073	0.073
Highlands	5009	Smoak Groves, Inc	A415	G	0.000	0.028	0.028

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Highlands	5073	Henry Crutchfield Inc	A415	G	0.168	0.219	0.219
Highlands	5170	Dasher Groves, Inc	A415	G	0.000	0.139	0.139
Highlands	5178	Lost Lake Groves, Inc	A415	S	0.296	0.464	0.464
Highlands	5182	Charles Reynolds	A415	G	0.097	0.214	0.214
Highlands	5232	Crews Groves, Inc & C. Elton Crews Family, LLLP	A415	G	0.104	0.107	0.107
Highlands	5290	OC Farms, Inc	A415	G	0.000	0.196	0.196
Highlands	5291	Davis Enterprises, Inc	A415	G	0.313	0.272	0.272
Highlands	5292	Crutchfield Groves, Inc	A415	G	0.034	0.143	0.143
Highlands	5293	Perry Cattle, LLC	A415	G	0.157	0.381	0.381
Highlands	5293	Perry Cattle, LLC	A415	S	0.038	0.381	0.381
Highlands	5322	Harshman Holdings, Inc	A415	G	0.051	0.153	0.153
Highlands	5330	Stephen D. Seims & Joan P. Seims	A490	G	0.085	0.185	0.185
Highlands	5337	Crutchfield Groves, Inc	A415	G	0.086	0.140	0.140
Highlands	5342	Henry Crutchfield Inc	A415	G	0.064	0.100	0.100
Highlands	5346	Lo Brothers Enterprises Inc	A415	G	0.008	0.012	0.012
Highlands	5354	Crutchfield Groves, Inc	A415	G	0.063	0.090	0.090
Highlands	5445	Joe L. Davis, Jr. Trust	A415	G	0.122	0.094	0.094
Highlands	5464	C Elton Crews Family LP LLLP	A415	G	0.128	0.147	0.147
Highlands	5516	Wabasso Road Dairy, Inc	A486	G	0.297	1.585	1.585
Highlands	5522	Crews Groves Inc & C Elton Crews Family Limited Partnership LLLP	A415	G	0.234	0.224	0.224
Highlands	5537	Joseph Macbeth	A415	G	0.422	0.386	0.386
Highlands	5563	Karen McKenna, Alton Rogers & JW Crews Jr	A415	G	0.102	0.196	0.196
Highlands	5566	Crews Groves, Inc	A415	G	0.109	0.139	0.139
Highlands	5574	Joe L Davis Family Citrus, LLC	A415	G	0.138	0.100	0.100
Highlands	5583	Robert Crews	A415	G	0.193	0.247	0.247
Highlands	5621	Cow Slough Inc	A415	G	0.012	0.013	0.013
Highlands	5626	Robert J. Barben, Inc	A415	G	0.421	0.610	0.610
Highlands	5627	Robert H Barben, Robert J Barben Inc	A415	G	0.321	0.468	0.468

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Highlands	5628	Running W Citrus Limited Partnership	A415	G	0.083	0.100	0.100
Highlands	5630	Macbeth Associates, Ltd	A415	G	0.062	0.107	0.107
Highlands	5638	Running W Citrus Limited Partnership	A415	G	1.594	1.716	1.716
Highlands	5639	734 LMC Groves, LLC	A415	G	0.628	0.731	0.731
Highlands	5676	7l Lake Placid LLC	A415	G	0.893	2.483	2.483
Highlands	5719	Ward's Groves, LLC	A415	G	0.299	0.341	0.341
Highlands	5720	Emmett & Arost Groves, LLC	A415	G	0.075	0.095	0.095
Highlands	5878	Charles L. and Anne D. Reynolds	A415	S	0.071	0.107	0.107
Highlands	5905	Perry Brothers	A415	G	0.105	0.174	0.174
Highlands	5920	Pioneer Grove, Inc	A415	G	0.330	0.266	0.266
Highlands	5999	Watters Groves, Inc	A415	G	0.071	0.100	0.100
Highlands	5999	Watters Groves, Inc	A415	S	0.006	0.100	0.100
Highlands	6000	Marsh Road Joint Venture	A415	G	0.000	0.123	0.123
Highlands	6031	Lake Placid Groves, LLC	A415	G	1.995	1.830	1.830
Highlands	6146	Anne D. Reynolds Trust	A415	G	0.032	0.093	0.093
Highlands	6146	Anne D. Reynolds Trust	A415	S	0.028	0.093	0.093
Highlands	6147	Sree Govardhan LLC	A415	G	0.067	0.240	0.240
Highlands	6154	Buck Lake Citrus, Inc	A415	G	0.146	0.183	0.183
Highlands	6162	Cow Slough, Inc	A415	G	0.405	0.464	0.464
Highlands	6165	Smoak Groves, Inc	A415	G	0.571	0.759	0.759
Highlands	6166	Smoak Groves, Inc	A415	G	0.177	0.217	0.217
Highlands	6167	Edward L. Smoak, Trustee of the Edward L. Smoak Revocable Trust	A415	G	0.096	0.166	0.166
Highlands	6172	Bear's Den Groves, Inc	A415	G	0.006	0.078	0.078
Highlands	6172	Bear's Den Groves, Inc	A415	S	0.000	0.078	0.078
Highlands	6173	Thelma C. Raley, Inc	A415	G	0.010	0.106	0.106
Highlands	6173	Thelma C. Raley, Inc	A415	S	0.011	0.106	0.106
Highlands	6176	Cow Slough, Inc	A415	G	0.552	0.620	0.620
Highlands	6176	Cow Slough, Inc	A415	S	0.062	0.620	0.620

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Highlands	6179	Smoak Groves Inc	A415	G	0.215	0.255	0.255
Highlands	6179	Smoak Groves Inc	A415	S	0.000	0.255	0.255
Highlands	6189	T/K Reynolds; C/A Reynold S/B Bullard	A415	G	0.075	0.117	0.117
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	G	0.495	5.191	5.191
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	S	4.127	5.191	5.191
Highlands	6211	Ben Hill Griffin, Inc	A415	G	0.207	0.275	0.275
Highlands	6234	Smoak Groves, Inc	A415	G	0.050	0.095	0.095
Highlands	6320	Davis Enterprises, Inc	A415	G	0.318	0.297	0.297
Highlands	6409	Perry Cattle, LLC	A415	G	0.165	0.223	0.223
Highlands	6432	Heartland Park LLC	A415	G	0.000	0.120	0.120
Highlands	6516	Carl Wilburn	A415	G	0.048	0.154	0.154
Highlands	6827	Lake Placid Groves, LLC	A415	G	0.244	0.235	0.235
Highlands	6957	Scarborough Investments, Inc	A415	G	0.090	0.414	0.414
Highlands	7111	Griffin Family Limited Partnership	A415	G	0.093	0.173	0.173
Highlands	7112	Emmett & Arost Groves, LLC	A415	G	0.145	0.101	0.101
Highlands	7485	Critchfield Citrus LLC	A415	G	0.055	0.269	0.269
Highlands	7515	South Florida Sod, Inc	A525	G	0.000	0.319	0.319
Highlands	7540	Board Of Tst Internal Imp Trust Fund of the State of Florida	A415	G	0.000	0.314	0.314
Highlands	7580	CLP Citrus Inc & Sebring Citrus Ranch LLC	A415	G	0.165	0.469	0.469
Highlands	7615	Boston Mining Company	A415	G	0.109	0.089	0.089
Highlands	7682	Perry Mason Groves, Inc	A415	G	0.110	0.139	0.139
Highlands	7693	Lo Brothers Enterprises Inc	A415	G	0.041	0.063	0.063
Highlands	7874	JJW Inc	A415	G	0.183	0.093	0.093
Highlands	8136	Crutchfield Groves, Inc	A415	G	0.212	0.231	0.231
Highlands	8268	Crutchfield Groves, Inc	A415	G	0.121	0.130	0.130
Highlands	8298	Hidden Acres Nursery, Inc	A480	G	0.030	0.205	0.205
Highlands	8298	Hidden Acres Nursery, Inc	A480	S	0.132	0.205	0.205
Highlands	8394	Glenn O Murphy Partnership Ltd	A415	G	0.032	0.173	0.173



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Highlands	8442	Lettuce Creek Cattle Co.& Ridgeland Ag Corp	A415	S	0.112	0.395	0.395
Highlands	8787	Stephens Groves, Inc	A415	G	0.172	0.269	0.269
Highlands	8868	Rafter T. Realty Inc	A525	G	0.000	0.269	0.269
Highlands	8930	Albritton & Sons, Ltd	A490	G	0.000	0.394	0.394
Highlands	8957	Dressel Groves	A415	G	0.097	0.201	0.201
Highlands	9124	Pyrus Agricultural LLC	A470	G	0.373	0.355	0.355
Highlands	9167	Bob Paul, Inc	A415	G	0.163	0.193	0.193
Highlands	9174	Davis Enterprises, Inc	A415	G	0.293	0.177	0.177
Highlands	9211	Russell Grove North, Inc	A415	G	0.139	0.128	0.128
Highlands	9302	Lake Placid Groves, LLC	A415	G	1.869	2.006	2.006
Highlands	9380	J W Yonce & Sons Farms Inc	A415	G	0.057	0.102	0.102
Highlands	9627	Hauptmann & Thompson Company Inc	A415	G	0.104	0.171	0.171
Highlands	9710	Thelma C. Raley, Inc	A415	G	0.114	0.188	0.188
Highlands	9814	Lake Placid Holding Co	A415	G	0.051	0.120	0.120
Highlands	10027	Quality Turf LC	A525	G	0.507	0.409	0.409
Highlands	10078	The Machado Family Limited Partnership No. 1	A415	G	0.202	0.315	0.315
Highlands	10628	C & L Land Co., LLLP	A415	G	0.090	0.099	0.099
Highlands	10645	Perry Cattle, LLC	A415	G	0.080	0.174	0.174
Highlands	10676	Craig J. Griffith Rev. Living Trust	A415	G	0.112	0.103	0.103
Highlands	11077	Edsall Groves, Inc	A415	G	0.102	0.120	0.120
Highlands	11089	DP Partners Ltd & PGP Partners Ltd	A415	G	0.121	0.186	0.186
Highlands	11142	Perry Brothers	A415	G	0.042	0.115	0.115
Highlands	11379	J. Ned & Tammy J. Hancock	A415	G	0.096	0.118	0.118
Highlands	11461	Barbara and Stephen Bullard	A415	G	0.133	0.189	0.189
Highlands	11724	Smoak Groves Inc	A415	G	0.246	0.203	0.203
Highlands	11766	Michael Brown	A490	G	0.000	0.243	0.243
Highlands	12022	Goodfellas Land & Citrus, LLC	A415	G	0.114	0.135	0.135
Highlands	12025	Peter Goldstein	A415	G	0.075	0.101	0.101

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Highlands	12996	Jack Paul Properties, Inc	A415	G	0.158	0.285	0.285
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.081	0.240	0.240
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	S	0.038	0.240	0.240
Highlands	13258	Smoak Groves, Inc	A415	G	0.329	0.425	0.425
Highlands	20054	Black Bear Citrus, LLC	A415	G	0.141	0.205	0.205
Highlands	20097	Robert Barben	A410	G	0.128	0.201	0.201
Highlands	20265	Germantown Citrus Partnership	A415	G	0.478	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	0.002	0.031	0.031
<b>Highlands County Totals</b>					<b>33.413</b>	<b>Metered, mgd</b>	
					<b>7.737</b>	<b>Estimated, mgd, 336 WUPs</b>	
					<b>41.150</b>	<b>Total, mgd</b>	
Hillsborough	71	Charlie Grimes Farms, LLC	A410	G	0.015	0.020	0.020
Hillsborough	74	Samuel D Williamson	A535	G	0.072	0.181	0.181
Hillsborough	74	Samuel D Williamson	A535	S	0.015	0.181	0.181
Hillsborough	75	Glenn Williamson	A56S	G	0.042	0.118	0.118
Hillsborough	85	J.C.Strickland Kocsis	A415	G	0.001	0.032	0.032
Hillsborough	105	Lance H. Ham & Norma G. Ham Revocable Living Trust	A56F	G	0.035	0.067	0.067
Hillsborough	119	Alvin C. and Clinton H. Beauchamp, and Betty J. Felty	A44S	G	0.013	0.040	0.040
Hillsborough	119	Alvin C. and Clinton H. Beauchamp, and Betty J. Felty	A44S	S	0.000	0.040	0.040
Hillsborough	120	Sunripe Growers Corp	A635	G	0.007	0.074	0.074
Hillsborough	147	James R. and Jennie May Harwell	A58S	G	0.032	0.048	0.048
Hillsborough	162	Loop Farms, LLC	A56S	G	0.326	0.455	0.455
Hillsborough	179	E.W. Simmons, III and Carol Simmons	A535	G	0.181	0.188	0.188
Hillsborough	181	Helen Geraldine Mitchell	A535	G	0.025	0.071	0.071
Hillsborough	182	E. W. Simmons Farms, Inc	A58S	G	0.130	0.179	0.179
Hillsborough	192	Gracepoint Plant City	A410	G	0.004	0.018	0.015
Hillsborough	200	Penny Fuller	A415	G	0.000	0.053	0.053

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	201	Trapnell Road Plant City, LLC	A535	G	0.061	0.105	0.105
Hillsborough	263	Carlton Family 2012 Irrevocable Trust	A535	G	0.193	0.164	0.164
Hillsborough	274	John D Lawrence Trustee	A535	G	0.058	0.110	0.110
Hillsborough	274	John D Lawrence Trustee	A535	S	0.000	0.110	0.110
Hillsborough	277	Gary R & Terri L Parke	A56S	G	0.053	0.080	0.080
Hillsborough	286	Kenneth Alred	A44S	G	0.092	0.123	0.123
Hillsborough	287	John Holland	A415	G	0.000	0.008	0.008
Hillsborough	289	Michael Shaw	A480	G	0.002	0.041	0.041
Hillsborough	297	Astin Strawberry Property Management LLC	A535	G	0.000	0.146	0.146
Hillsborough	297	Astin Strawberry Property Management LLC	A535	S	0.000	0.146	0.146
Hillsborough	360	Astin Strawberry Property Management LLC	A470	G	1.012	2.271	2.271
Hillsborough	360	Astin Strawberry Property Management LLC	A470	S	0.000	2.271	2.271
Hillsborough	362	Ruby Jean Redman	A535	G	0.031	0.063	0.063
Hillsborough	362	Ruby Jean Redman	A535	S	0.000	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	0.087	0.107	0.107
Hillsborough	390	Sweet Life Farms, LLC	A535	G	0.317	0.382	0.382
Hillsborough	390	Sweet Life Farms, LLC	A535	S	0.004	0.382	0.382
Hillsborough	411	Hillsborough County Real Estate Dept	A495	G	0.001	0.277	0.277
Hillsborough	417	Benson & Debbie Dukes	A535	G	0.034	0.048	0.048
Hillsborough	495	Bonnie Faye Wetherington Trust	A535	G	0.057	0.146	0.146
Hillsborough	500	Lacey Blue Farms, LLC	A535	G	0.037	0.050	0.050
Hillsborough	522	Wm K Keene Rev. Trust	A535	G	0.045	0.078	0.078
Hillsborough	526	R G Moll & Family Inc	A535	G	0.078	0.226	0.226
Hillsborough	526	R G Moll & Family Inc	A535	S	0.000	0.226	0.226
Hillsborough	530	Kip & Stephanie Keene	A535	G	0.000	0.070	0.070
Hillsborough	534	Farkas Groves, Inc	A415	G	0.000	0.031	0.031
Hillsborough	535	Farkas Groves, Inc	A410	G	0.036	0.083	0.083

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	565	Medley Groves, Inc	A415	G	0.006	0.047	0.047
Hillsborough	566	Robert Marvin Dykes and Linda Medley Dykes	A415	G	0.000	0.015	0.015
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	G	0.016	0.039	0.039
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	S	0.043	0.039	0.039
Hillsborough	605	Virginia A & Edward Zagar	A415	G	0.000	0.016	0.016
Hillsborough	650	Gladys Brown Staland	A415	G	0.006	0.006	0.006
Hillsborough	654	Council Bay Farms LTD	A56S	G	0.039	0.299	0.299
Hillsborough	655	Farmland Reserve Inc	A56S	G	0.133	0.693	0.693
Hillsborough	656	Suburban Land Preserve Inc	A56S	G	0.414	0.940	0.940
Hillsborough	659	Farmland Reserve, Inc	A465	G	2.216	1.940	1.940
Hillsborough	659	Farmland Reserve, Inc	A465	S	0.000	1.940	1.940
Hillsborough	660	Farmland Reserve, Inc	A56S	G	0.075	0.498	0.495
Hillsborough	660	Farmland Reserve Inc	A56S	S	0.000	0.498	0.495
Hillsborough	662	Donald & Mary Shuman Inc	A415	G	0.000	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	0.260	0.368	0.368
Hillsborough	739	Three Star Farms Inc	A535	S	0.000	0.368	0.368
Hillsborough	760	Wilbur Brantley as Trustee of the W & E Groves Land Trust	A655	G	0.042	0.223	0.223
Hillsborough	770	Franklin Properties of Hillsborough County, LLC	A655	G	0.084	0.183	0.183
Hillsborough	786	McClelland Louise S Life Estate	A655	G	0.016	0.073	0.073
Hillsborough	788	Hinton Enterprises of Sydney Inc	A535	G	0.000	0.076	0.076
Hillsborough	788	Hinton Enterprises of Sydney Inc	A535	S	0.062	0.076	0.076
Hillsborough	836	Mella Lewis Estate	A535	G	0.025	0.071	0.071
Hillsborough	836	Mella Lewis Estate	A535	S	0.006	0.071	0.071
Hillsborough	840	Corrie L. Lariscy	A535	G	0.000	0.035	0.035
Hillsborough	857	Fl Strawberry Res & Ed Foundation Inc	A535	G	0.032	0.042	0.042
Hillsborough	865	Marcus Glenn and Sarah Francis Williamson	A56S	G	0.096	0.187	0.187
Hillsborough	870	Blanche S Oswald Revocable Trust	A535	G	0.048	0.053	0.053

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	873	Stephen Lindsey	A655	G	0.301	0.090	0.090
Hillsborough	880	Sultenfuss Ltd	A415	G	0.001	0.312	0.312
Hillsborough	891	Sam Astin III & Buffy S Astin	A535	G	0.093	0.163	0.163
Hillsborough	906	Edison S. Terry	A535	G	0.050	0.042	0.042
Hillsborough	953	Cameron Citrus Corp	A415	G	0.012	0.084	0.084
Hillsborough	953	Cameron Citrus Corp	A415	S	0.012	0.084	0.084
Hillsborough	969	Uy Q Tran, Tris D. Tran, and Hang Ngo	A470	G	0.000	0.121	0.121
Hillsborough	979	D & L Land Partners Inc	A415	G	0.000	0.037	0.037
Hillsborough	985	Diehl Family LP	A56S	G	1.543	2.725	2.724
Hillsborough	992	Hoang Le	A58H	G	0.019	0.025	0.025
Hillsborough	1057	Dot Walden Farms, Inc	A495	G	0.111	0.153	0.153
Hillsborough	1063	Sultenfuss, Ltd	A415	G	0.000	0.056	0.056
Hillsborough	1067	M.D. Council and Sons, Inc	A535	G	0.000	0.264	0.264
Hillsborough	1120	SR Ruskin Shell Point LLC c/o Regent Properties LLC	A495	G	0.000	0.116	0.116
Hillsborough	1124	Artesian Farms Inc	A56S	G	0.000	0.785	0.785
Hillsborough	1130	James Borchard	A535	G	0.091	0.106	0.106
Hillsborough	1137	Richard A. & Peggy F. Hall	A415	G	0.001	0.012	0.012
Hillsborough	1217	GloFish, LLC c/o Spectrum Brands, Inc	L661	G	0.175	0.195	0.195
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	G	0.131	0.235	0.235
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	S	0.042	0.235	0.235
Hillsborough	1367	Hickory Hills Land Company	A490	G	0.000	0.392	0.392
Hillsborough	1432	Three Star Farms Inc	A51S	G	0.045	0.074	0.074
Hillsborough	1432	Three Star Farms Inc	A51S	S	0.014	0.074	0.074
Hillsborough	1444	G & G Farms, LLC	A535	G	0.150	0.245	0.245
Hillsborough	1444	G & G Farms, LLC	A535	S	0.025	0.245	0.245
Hillsborough	1445	Rocking V Ranch, LLC	A535	G	0.044	0.075	0.075
Hillsborough	1446	Patoo Enterprises Inc	A58S	G	0.000	0.030	0.030
Hillsborough	1451	L & J Citrus and Cattle LLC	A415	G	0.034	0.087	0.087

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	1464	Farkas Citrus Nursery, Inc	A480	G	0.003	0.036	0.036
Hillsborough	1489	Flat Land, Inc	A535	G	0.030	0.024	0.024
Hillsborough	1504	Freda Dukes Schofield As Trustee	A535	G	0.000	0.070	0.070
Hillsborough	1544	Double Screen Associates, LLLP	A415	G	0.000	0.147	0.147
Hillsborough	1575	Albert Quagliani Life Estate	A535	G	0.051	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	0.005	0.094	0.094
Hillsborough	1626	Albert M. Quagliani Trust Agreement	A535	G	0.114	0.140	0.140
Hillsborough	1628	Ray K. Drawdy Revocable Living Trust	A58S	G	0.000	0.105	0.105
Hillsborough	1629	Ruis Drawdy	A58S	G	0.021	0.065	0.065
Hillsborough	1629	Ruis Drawdy	A58S	S	0.000	0.065	0.065
Hillsborough	1650	G & G Farms, LLC	A535	G	0.076	0.088	0.088
Hillsborough	1780	Hillsborough County BOCC	A56F	G	0.000	0.559	0.559
Hillsborough	1836	Rood Family Limited Partnership	A56S	G	0.702	1.873	1.873
Hillsborough	1839	Frank Diehl	A410	G	0.060	0.112	0.112
Hillsborough	1840	Berry Bay Farm @ Jaymar, Inc	A535	G	0.144	0.364	0.364
Hillsborough	1840	Berry Bay Farm @ Jaymar, Inc	A535	S	0.108	0.364	0.364
Hillsborough	1869	Circle S Farms Ltd	A535	G	0.080	0.179	0.179
Hillsborough	1877	William A. & Amelia R. Mixon Revocable Living Trust	A535	G	0.000	0.176	0.176
Hillsborough	1885	Winfred & Sue Harrell Investments, LLLP	A480	G	0.066	0.156	0.156
Hillsborough	1956	Conrad H., Sherry, Scott M. and Kay D. Varnum	A535	G	0.114	0.179	0.179
Hillsborough	1960	University of South Florida	A485	G	0.022	2.364	0.027
Hillsborough	1960	University of South Florida	A485	S	0.000	2.364	0.027
Hillsborough	1995	Victoria Goodson	A535	G	0.196	0.080	0.080
Hillsborough	2045	Midway Investment Company, Inc	A535	G	0.109	0.306	0.305
Hillsborough	2045	Midway Investment Company, Inc	A535	S	0.009	0.306	0.305
Hillsborough	2133	A.H. and Patricia Varnum LTD Partnership	A535	G	0.220	0.202	0.202
Hillsborough	2136	Owens Road Grove LLC	A415	G	0.151	0.194	0.194

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	2189	Epps' Nursery, Inc	A535	G	0.000	0.065	0.065
Hillsborough	2197	Young Farms/Yu An Farms, Co	A56F	G	0.000	0.353	0.353
Hillsborough	2205	Mathis Land Group, LLC	A410	G	0.017	0.016	0.016
Hillsborough	2206	The Double E Corp	A415	G	0.000	0.080	0.080
Hillsborough	2273	Lucille E. Reese Trustee, Rex Reese, and Rand Reese	A415	G	0.005	0.072	0.072
Hillsborough	2291	Mattie Williams 2001 Trust, Susan & W. Keith Williams Trustees	A51S	G	0.017	0.066	0.066
Hillsborough	2292	Mattie Williams 2001 Trust, Susan & W. Keith Williams Trustees	A535	G	0.032	0.111	0.111
Hillsborough	2293	Mattie Williams 2001 Trust, Susan & W. Keith Williams Trustees	A51S	G	0.000	0.136	0.136
Hillsborough	2314	John L & Judith F McMullen	A480	G	0.134	0.090	0.090
Hillsborough	2321	Griffin Investment Properties, Ltd	A535	G	0.113	0.135	0.135
Hillsborough	2322	Griffin Investment Properties, Ltd	A535	G	0.026	0.019	0.019
Hillsborough	2391	The Bailey Family Foundation of Tampa Inc	A535	G	0.023	0.051	0.051
Hillsborough	2395	George Kunchandy	A535	G	0.079	0.062	0.062
Hillsborough	2486	Circle G Farm & Ranch, LLC	A535	G	0.418	0.910	0.910
Hillsborough	2486	Circle G Farm & Ranch, LLC	A535	S	0.175	0.910	0.910
Hillsborough	2516	Astin Strawberry Property Management, LLC	A655	G	0.097	0.236	0.236
Hillsborough	2541	Marlene Mathews, Trustee	A535	G	0.019	0.121	0.121
Hillsborough	2558	Magnolia Hills Properties, LLC	A415	G	0.000	0.009	0.009
Hillsborough	2563	Randall Paul Bennett and Norma Gayle Bennett	A535	G	0.003	0.041	0.041
Hillsborough	2564	MadMac Property Holdings	A58S	G	0.000	0.214	0.214
Hillsborough	2566	Hakeem Investments Florida, LLLP	A445	G	0.000	0.077	0.077
Hillsborough	2576	Holly Lane Tree Farm, LLC	A535	G	0.030	0.080	0.080
Hillsborough	2581	Wayne G. Moss	A535	G	0.240	0.304	0.304
Hillsborough	2581	Wayne G. Moss	A535	S	0.000	0.304	0.304
Hillsborough	2619	Tampa Electric Company	A415	G	0.000	0.173	0.173
Hillsborough	2654	Astin Strawberry Property Management, LLC	A535	G	0.233	0.306	0.306
Hillsborough	2654	Astin Strawberry Property Management, LLC	A535	S	0.000	0.306	0.306
Hillsborough	2670	Donald M & Deborah L Balaban	A535	G	0.226	0.305	0.305

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	2670	Donald M & Deborah L Balaban	A535	S	0.000	0.305	0.305
Hillsborough	2682	Ronald & Bonnie Wetherington	A535	G	0.000	0.013	0.013
Hillsborough	2687	Grover C Jr, Melba L & Joyce M Sewell	A535	G	0.011	0.056	0.056
Hillsborough	2714	Hillsborough County BOCC	A525	G	0.174	1.897	1.897
Hillsborough	2714	Hillsborough County BOCC	A525	S	0.125	1.897	1.897
Hillsborough	2719	Larry & Judith Ennis	A535	G	0.000	0.031	0.031
Hillsborough	2719	Larry & Judith Ennis	A535	S	0.023	0.031	0.031
Hillsborough	2739	Hinton Enterprises of Sydney, Inc	A56S	G	0.032	0.092	0.092
Hillsborough	2768	Grimes Holdings, LLC	A535	G	0.060	0.079	0.079
Hillsborough	2881	Tampa Electric Company	A415	G	0.000	0.111	0.111
Hillsborough	2944	Velma Newsome Groves, Inc	A535	G	0.028	0.036	0.036
Hillsborough	2945	Raymond Clint Stephens	A480	G	0.003	0.006	0.006
Hillsborough	2951	Lawrence Collins	A535	G	0.021	0.036	0.036
Hillsborough	2963	Trapnell Road Plant City, LLC	A535	G	0.129	0.081	0.081
Hillsborough	2963	Trapnell Road Plant City, LLC	A535	S	0.029	0.081	0.081
Hillsborough	2998	Bay Mulch Inc	A535	G	0.003	0.045	0.045
Hillsborough	3002	Jack P. and Meribeth J. Sizemore	A415	G	0.023	0.107	0.107
Hillsborough	3011	Mark Baker	A535	G	0.001	0.047	0.047
Hillsborough	3055	Speedling, Inc	A487	G	0.050	0.302	0.296
Hillsborough	3057	Ocean Breeze Properties LLC	A470	G	0.165	0.280	0.280
Hillsborough	3060	The Kim Family Living Trust Fund, UTD	A480	G	0.094	0.146	0.146
Hillsborough	3100	L & J Citrus and Cattle LLC	A415	G	0.023	0.085	0.085
Hillsborough	3107	Sweet Life Farms, LLC	A535	G	0.099	0.085	0.085
Hillsborough	3108	The Bryant Family Trust	A470	G	0.030	0.035	0.035
Hillsborough	3120	James Newsome, Trustee	A535	G	0.000	0.146	0.146
Hillsborough	3123	G & G Farms, LLC	A535	G	0.182	0.223	0.223
Hillsborough	3153	John & Tracey Pritchard	A535	G	0.000	0.043	0.043
Hillsborough	3153	John & Tracey Pritchard	A535	S	0.000	0.043	0.043



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	3217	Strawberry Red Ranch LLC	A535	G	0.139	0.304	0.304
Hillsborough	3217	Strawberry Red Ranch LLC	A535	S	0.080	0.304	0.304
Hillsborough	3251	Glenn & Frances Williamson	A535	G	0.244	0.597	0.597
Hillsborough	3251	Glenn & Frances Williamson	A535	S	0.104	0.597	0.597
Hillsborough	3262	Paul Tindle	A415	G	0.000	0.013	0.013
Hillsborough	3262	Paul Tindle	A415	S	0.000	0.013	0.013
Hillsborough	3313	Porter and Sara Hare	A535	G	0.057	0.094	0.094
Hillsborough	3317	Andrew B & Marcella J Scott	A415	G	0.001	0.041	0.041
Hillsborough	3330	5-D Tropical Inc	A485	G	0.079	0.054	0.054
Hillsborough	3355	Paula Fritz	A535	G	0.053	0.082	0.082
Hillsborough	3386	Tampa Electric Company	A535	G	0.050	0.090	0.090
Hillsborough	3417	Ag-Mart Produce, Inc	A56S	G	0.498	1.477	1.477
Hillsborough	3417	Ag-Mart Produce, Inc	A56S	S	0.052	1.477	1.477
Hillsborough	3430	Yu An Farms, Co	A56F	G	0.013	0.146	0.146
Hillsborough	3453	George and Patricia Sprouse	A535	G	0.005	0.032	0.032
Hillsborough	3453	George and Patricia Sprouse	A535	S	0.000	0.032	0.032
Hillsborough	3485	Ralph Randall Jr	A535	G	0.167	0.087	0.087
Hillsborough	3578	Jean Fulford	A480	G	0.027	0.150	0.150
Hillsborough	3596	Eddie A. Jones Revocable Living Trust, Clifford Gude Trustee	A44S	G	0.038	0.074	0.074
Hillsborough	3615	Astin Strawberry Property Management LLC	A535	G	0.004	0.070	0.070
Hillsborough	3652	George H. & Patricia A. Sprouse	A535	G	0.000	0.084	0.084
Hillsborough	3686	Eleanor C Poppell Trustee	A415	G	0.000	0.038	0.038
Hillsborough	3700	John & Evanett Griffin	A535	G	0.010	0.007	0.007
Hillsborough	3712	Sam Astin III & Buffy S Astin	A635	G	0.164	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	0.054	0.092	0.092
Hillsborough	3741	The Montesco Group LLC	A535	G	0.041	0.106	0.106
Hillsborough	3892	Caroline Pate and Claudia Pate Young Trustees	A535	G	0.048	0.062	0.062

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	3997	Marvin G. & Linda S. Brown, Trustees	A470	G	0.094	0.123	0.123
Hillsborough	4004	MG & SF Williamson Family, LLC	A56S	G	0.081	0.114	0.114
Hillsborough	4037	Michael & Lynne Warren	A480	G	0.000	0.028	0.028
Hillsborough	4261	Loop Farms, LLC	A535	G	0.086	0.386	0.386
Hillsborough	4261	Loop Farms, LLC	A535	S	0.000	0.386	0.386
Hillsborough	4363	Teddy Lincks Investments, LLC	A535	G	0.018	0.024	0.024
Hillsborough	4419	Medley Groves, Inc	A495	G	0.000	0.032	0.032
Hillsborough	4421	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.195	0.613	0.611
Hillsborough	4459	Willie W & Lavone W Wingate	A535	G	0.000	0.039	0.039
Hillsborough	4483	Russell and Jamie Goodson	A470	G	0.065	0.118	0.118
Hillsborough	4512	Calla Hudas	A415	G	0.002	0.006	0.006
Hillsborough	4522	G & D Farms, Inc	A535	G	0.020	0.038	0.038
Hillsborough	4536	C. Dennis Carlton	A535	G	0.150	0.216	0.216
Hillsborough	4622	Borchard Brothers, LLC	A535	G	0.011	0.032	0.032
Hillsborough	4640	Sam Astin, III	A535	G	0.045	0.062	0.062
Hillsborough	4689	Council Growers Inc	A525	G	0.140	0.312	0.312
Hillsborough	4714	Tampa Electric Company	A535	G	0.000	0.429	0.429
Hillsborough	4716	Hawk Produce, Inc	A635	G	0.159	0.068	0.068
Hillsborough	4723	Berkshire Investments	A651	G	0.050	0.390	0.390
Hillsborough	4748	William K. Keene And Mary Laverne Lett Keene	A535	G	0.125	0.135	0.135
Hillsborough	4758	Samuel Williamson	A535	G	0.038	0.079	0.079
Hillsborough	4778	Mark Wesley Shelton et al	A535	G	0.046	0.068	0.068
Hillsborough	4821	Sydney Farms, Inc	A470	G	0.172	0.418	0.418
Hillsborough	4821	Sydney Farms, Inc	A470	S	0.010	0.418	0.418
Hillsborough	4829	Alafia Berry Farms, LLC	A535	G	0.031	0.100	0.100
Hillsborough	4829	Alafia Berry Farms, LLC	A535	S	0.049	0.100	0.100
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	G	0.103	0.180	0.180
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	S	0.025	0.180	0.180

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	4878	Larry & Judith Ennis	A535	G	0.035	0.065	0.065
Hillsborough	4961	Harvey Carr	A651	G	0.012	0.082	0.082
Hillsborough	4961	Harvey Carr	A651	S	0.000	0.082	0.082
Hillsborough	4996	Wayne Moss	A470	G	0.000	0.328	0.328
Hillsborough	4996	Wayne Moss	A470	S	0.000	0.328	0.328
Hillsborough	5156	Wylie L. and Carol A. Hinton	A535	G	0.086	0.411	0.411
Hillsborough	5156	Wylie L. and Carol A. Hinton	A535	S	0.030	0.411	0.411
Hillsborough	5204	Glenn & Frances Williamson	A535	G	0.090	0.123	0.123
Hillsborough	5237	Baum, LLC	A470	G	0.082	0.179	0.179
Hillsborough	5248	Stine Family Partnership, Ltd	A535	G	0.062	0.063	0.063
Hillsborough	5250	Charles G. Grimes Revocable Trust	A535	G	0.041	0.086	0.086
Hillsborough	5250	Charles G. Grimes Revocable Trust	A535	S	0.000	0.086	0.086
Hillsborough	5258	Samuel D Williamson and Anne M Williamson	A655	G	0.053	0.152	0.152
Hillsborough	5318	Astin Strawberry Property Management, LLC	A415	G	0.111	0.094	0.094
Hillsborough	5386	Samuel D Williamson and Anne M Williamson	A535	G	0.083	0.233	0.233
Hillsborough	5386	Samuel D Williamson and Anne M Williamson	A535	S	0.032	0.233	0.233
Hillsborough	5397	McIntosh Road Dover, LLC	A58S	G	0.065	0.195	0.195
Hillsborough	5429	Tommy L & Dixie Gillman	A535	G	0.087	0.117	0.117
Hillsborough	5429	Tommy L & Dixie Gillman	A535	S	0.032	0.117	0.117
Hillsborough	5800	Rand Reese	A415	G	0.000	0.172	0.172
Hillsborough	5859	MacDonald Training Center Properties, Inc	A480	G	0.000	0.025	0.025
Hillsborough	5944	Pinai & Chuenkamol Nomchaury	A485	G	0.000	0.015	0.015
Hillsborough	6007	Felton C Walker Jr	A56F	G	0.217	0.354	0.354
Hillsborough	6043	Sassy Fruit Company	A415	G	0.059	0.062	0.062
Hillsborough	6095	Frances M. White	A535	G	0.032	0.253	0.253
Hillsborough	6100	City of Tampa	L715	G	0.002	0.181	0.003
Hillsborough	6130	Samuel D Williamson and Anne M Williamson	A535	G	0.055	0.095	0.095
Hillsborough	6138	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.052	0.051	0.051

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	6203	Cypress Ridge Ranch, LLLP	A56S	G	0.020	0.839	0.839
Hillsborough	6209	Homer Wall	A53S	G	0.008	0.034	0.034
Hillsborough	6238	Trapnell Road Plant City, LLC	A56S	G	0.122	0.174	0.174
Hillsborough	6252	Dumke, Chad C. and Angela D.	A410	G	0.058	0.057	0.057
Hillsborough	6266	S.A.C.K. Farm Inc	A53S	G	0.000	0.112	0.112
Hillsborough	6266	S.A.C.K. Farm Inc	A53S	S	0.017	0.112	0.112
Hillsborough	6313	BBS Farms, Inc	A470	G	0.000	0.262	0.262
Hillsborough	6313	BBS Farms, Inc	A470	S	0.236	0.262	0.262
Hillsborough	6323	Terry Neal & Colleen Gail Fulton	A57F	G	0.026	0.054	0.054
Hillsborough	6324	Robert H. & Peggy E. Parke	A53S	G	0.012	0.029	0.029
Hillsborough	6337	G. Marvin Brown Revocable Trust	A53S	G	0.160	0.249	0.249
Hillsborough	6337	G. Marvin Brown Revocable Trust	A53S	S	0.067	0.249	0.249
Hillsborough	6341	Johnny Bryant	A53S	G	0.012	0.038	0.038
Hillsborough	6348	Dwight and Mary Aman	A53S	G	0.000	0.101	0.101
Hillsborough	6360	Huntley Properties, LLC	A56S	G	0.000	0.104	0.104
Hillsborough	6371	Summerfield Farms LLC	A655	G	0.022	0.664	0.664
Hillsborough	6375	John R. Griffin	A53S	G	0.031	0.036	0.036
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	G	0.079	0.170	0.170
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	S	0.007	0.170	0.170
Hillsborough	6421	Jamie and Amanda Bell	A53S	G	0.016	0.033	0.033
Hillsborough	6427	Jeanette Bennett Trustee	A415	G	0.000	0.028	0.028
Hillsborough	6428	Astin Strawberry Property Management, LLC	A53S	G	0.002	0.089	0.089
Hillsborough	6428	Astin Strawberry Property Management, LLC	A53S	S	0.000	0.089	0.089
Hillsborough	6443	Robert L. & Gloria J. Platt	A480	G	0.102	0.211	0.211
Hillsborough	6443	Robert L. & Gloria J. Platt	A480	S	0.027	0.211	0.211
Hillsborough	6449	Lowell Kinard	A53S	G	0.012	0.082	0.082
Hillsborough	6470	Donald & Katherine Soddors	A53S	G	0.004	0.027	0.027
Hillsborough	6479	Betty Astin	A53S	G	0.021	0.053	0.053

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	6479	Betty Astin	A535	S	0.040	0.053	0.053
Hillsborough	6480	Betty Astin, Trustee	A535	G	0.106	0.164	0.156
Hillsborough	6480	Betty Astin, Trustee	A535	S	0.024	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	0.106	0.169	0.169
Hillsborough	6525	Gary and Vera Stallings	A58H	G	0.042	0.052	0.052
Hillsborough	6534	Simmons Properties, LLC	A415	G	0.000	0.025	0.025
Hillsborough	6541	Jeffrey S. Wacaser and Alica J. Wacaser	A655	G	0.023	0.064	0.064
Hillsborough	6563	Scott And Susan Dumke	A410	G	0.463	0.047	0.047
Hillsborough	6563	Scott And Susan Dumke	A410	S	0.005	0.047	0.047
Hillsborough	6622	Marcus G & Sarah F Williamson	A535	G	0.000	0.161	0.161
Hillsborough	6627	George J. Peterson	A535	G	0.025	0.024	0.024
Hillsborough	6678	Farmland Reserve, Inc	A655	G	0.231	0.382	0.382
Hillsborough	6694	Sarah Alice H Hall and Joy L Ford, Trustees	A535	G	0.008	0.025	0.025
Hillsborough	6708	Strawberry Red Ranch LLC	A535	G	0.026	0.164	0.164
Hillsborough	6708	Strawberry Red Ranch LLC	A535	S	0.000	0.164	0.164
Hillsborough	6743	Jimmy Garrison	A410	G	0.010	0.035	0.035
Hillsborough	6748	Mary M Eppard	A535	G	0.016	0.018	0.018
Hillsborough	6767	Grady & Marie B. Harrell, Trustees	A535	G	0.166	0.059	0.059
Hillsborough	6767	Grady & Marie B. Harrell, Trustees	A535	S	0.020	0.059	0.059
Hillsborough	6768	Mary L Keene Trustee	A535	G	0.086	0.077	0.077
Hillsborough	6779	Elmer S Rogers and Margaret G Rogers	A58S	G	0.018	0.052	0.052
Hillsborough	6781	Mathis Land Group, LLC	A535	G	0.067	0.071	0.071
Hillsborough	6807	Charles Grimes	A535	G	0.000	0.049	0.049
Hillsborough	6809	Sam Astin III and Buffy Astin	A470	G	0.037	0.106	0.106
Hillsborough	6809	Sam Astin III and Buffy Astin	A470	S	0.000	0.106	0.106
Hillsborough	6817	Vivian C Patisaul, Trustee The Patisaul Family Trust	A58S	G	0.047	0.065	0.065
Hillsborough	6825	Darryl F. Williams, and William K. Williams and Laural Williams	A535	G	0.020	0.035	0.035

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	6831	Astin Strawberry Property Management, LLC	A535	G	0.029	0.061	0.061
Hillsborough	6831	Astin Strawberry Property Management, LLC	A535	S	0.011	0.061	0.061
Hillsborough	6849	Harold and Martha Fisher Rev Trust	A535	G	0.010	0.036	0.036
Hillsborough	6851	Robert M & Mary Jane Rogers	A480	G	0.192	0.276	0.276
Hillsborough	6855	Gary E. and Presley A. Glover	A415	G	0.000	0.016	0.016
Hillsborough	6860	C. Leroy Lariscy	A535	G	0.034	0.059	0.059
Hillsborough	6860	C. Leroy Lariscy	A535	S	0.000	0.059	0.059
Hillsborough	6892	Andrew Dew Leung, Yeeho Chu & Choo Kok Yeng	A56S	G	0.043	0.532	0.532
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	G	0.032	0.059	0.059
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	S	0.013	0.059	0.059
Hillsborough	7007	Astin Strawberry Property Management, LLC	A535	G	0.000	0.022	0.022
Hillsborough	7035	BBS Farms, Inc	A470	G	0.121	0.217	0.217
Hillsborough	7049	G & G Farms, LLC	A535	G	0.064	0.120	0.120
Hillsborough	7055	Willis S. Kirkland, Jr. & Barbara J.-Life Estate	A415	G	0.000	0.019	0.019
Hillsborough	7058	Gerald Davis, Inc	A480	G	0.058	0.125	0.125
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	G	0.047	0.130	0.130
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	S	0.000	0.130	0.130
Hillsborough	7060	Charlie Grimes Farms, LLC	A535	G	0.019	0.015	0.015
Hillsborough	7082	Robert L and Barbara A Carter, Trustees	A535	G	0.155	0.139	0.139
Hillsborough	7082	Robert L and Barbara A Carter, Trustees	A535	S	0.028	0.139	0.139
Hillsborough	7083	Astin Strawberry Property Management, LLC	A655	G	0.018	0.026	0.026
Hillsborough	7084	The Hare Family, LP	A535	G	0.018	0.037	0.037
Hillsborough	7102	Robert E & Helen A Parke	A535	G	0.001	0.200	0.200
Hillsborough	7105	Riverview Grove LTD	A415	G	0.000	0.184	0.184
Hillsborough	7117	Pacific Agricultural Research Corp	A58S	G	0.058	0.139	0.139
Hillsborough	7118	Charlie Grimes Farms, LLC	A535	G	0.060	0.076	0.076
Hillsborough	7135	Balm Associates, Inc	A535	G	0.000	0.224	0.224
Hillsborough	7150	Cedar Haven Inc	A415	G	0.009	0.014	0.014

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	7183	I-4 Land Holding Limited Company	A490	G	0.100	0.153	0.153
Hillsborough	7184	Manit and Nussara Piluek	A445	G	0.000	0.014	0.014
Hillsborough	7190	Dennis & Linda L Spivey	A535	G	0.185	0.171	0.171
Hillsborough	7232	Frances White	A535	G	0.155	0.307	0.307
Hillsborough	7232	Frances White	A535	S	0.000	0.307	0.307
Hillsborough	7239	Riverview Flower Farm Partnership	A480	G	0.027	0.107	0.107
Hillsborough	7260	Tampa Electric Company	A56S	G	0.000	0.243	0.243
Hillsborough	7286	Lithia Road Plant City, LLC	A535	G	0.123	0.138	0.138
Hillsborough	7322	William Stanford Fortner	A535	G	0.000	0.026	0.026
Hillsborough	7374	Edna Sue Willaford Trustee	A415	G	0.000	0.011	0.011
Hillsborough	7405	Mathis Land Group, LLC	A535	G	0.019	0.056	0.053
Hillsborough	7405	Mathis Land Group, LLC	A535	S	0.059	0.056	0.053
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	G	0.130	0.259	0.259
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	S	0.000	0.259	0.259
Hillsborough	7422	David & Joyce Stanaland Family Trust	A410	G	0.001	0.015	0.015
Hillsborough	7458	Thomas L. and Barbara J. Fulford Trust	A415	G	0.000	0.012	0.012
Hillsborough	7466	W. A. and Lillie M. Greene	A535	G	0.000	0.034	0.034
Hillsborough	7467	Arthur Earl Staggs	A535	G	0.041	0.044	0.044
Hillsborough	7486	C.W. Dukes	A535	G	0.011	0.017	0.017
Hillsborough	7511	Elmer & Lorene Lawson	A56S	G	0.000	0.038	0.038
Hillsborough	7512	Patricia Elliott	A535	G	0.000	0.097	0.097
Hillsborough	7512	Patricia Elliott	A535	S	0.000	0.097	0.097
Hillsborough	7516	Fidel & Hilda Castillo	A535	G	0.086	0.032	0.032
Hillsborough	7579	Moss, LLC	A535	G	0.065	0.230	0.230
Hillsborough	7622	Tampa Electric Company	A415	G	0.000	0.092	0.092
Hillsborough	7640	Robert H. & Peggy E. Parke	A535	G	0.179	0.275	0.275
Hillsborough	7640	Robert H. & Peggy E. Parke	A535	S	0.009	0.275	0.275
Hillsborough	7642	Velma Ruth Johnson	A51S	G	0.006	0.106	0.106

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	7642	Velma Ruth Johnson	A51S	S	0.036	0.106	0.106
Hillsborough	7715	Cameron Citrus Corp	A415	G	0.000	0.023	0.023
Hillsborough	7741	William Stokes	A535	G	0.011	0.029	0.029
Hillsborough	7765	William E. and Judith C. Meek	A655	G	0.022	0.100	0.100
Hillsborough	7765	William E. and Judith C. Meek	A655	S	0.000	0.100	0.100
Hillsborough	7770	Borchard Brothers, LLC	A535	G	0.234	0.222	0.222
Hillsborough	7770	Borchard Brothers, LLC	A535	S	0.000	0.222	0.222
Hillsborough	7782	The Closshey South 39 Farm, LLC	A535	G	0.066	0.081	0.081
Hillsborough	7782	The Closshey South 39 Farm, LLC	A535	S	0.013	0.081	0.081
Hillsborough	7820	Pam Dapson	A410	G	0.000	0.007	0.007
Hillsborough	7842	Theron Bostick and Carolyn Bostick	A535	G	0.021	0.020	0.020
Hillsborough	7880	Samuel D. Williamson and Anna M. Williamson	A51S	G	0.045	0.123	0.123
Hillsborough	7895	GDK Land Trust	A480	G	0.140	0.347	0.347
Hillsborough	7922	Robert R & Janet B Swilley	A410	G	0.002	0.027	0.027
Hillsborough	7978	Joseph R Goodson & Donna Jo Goodson	A535	G	0.001	0.027	0.027
Hillsborough	7984	Richard and Stacy DelCastillo	A535	G	0.015	0.016	0.016
Hillsborough	7992	Epps Nursery Inc	A480	G	0.000	0.053	0.053
Hillsborough	7992	Epps Nursery Inc	A480	S	0.000	0.053	0.053
Hillsborough	7993	Winfred & Sue Harrell Investments, LLLP	A480	G	0.024	0.020	0.020
Hillsborough	8015	George and Patricia Sprouse	A535	G	0.001	0.029	0.029
Hillsborough	8016	Dooley Groves	A415	G	0.129	0.126	0.126
Hillsborough	8036	C. Dennis Carlton	A51S	G	0.000	0.440	0.440
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	G	0.027	0.207	0.207
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	S	0.047	0.207	0.207
Hillsborough	8110	Karon Corner, Successor Trustee of Jo Alice McDonald Rev Trust	A535	G	0.013	0.038	0.038
Hillsborough	8121	William Bailey	A410	G	0.000	0.009	0.009
Hillsborough	8138	OJ Family Farms, LLC	A535	G	0.028	0.062	0.062
Hillsborough	8161	Gregory & Jennifer Shiver	A480	G	0.003	0.026	0.026



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	G	0.001	0.065	0.065
Hillsborough	8173	Astin Strawberry Property Management, LLC	A535	G	0.172	0.228	0.228
Hillsborough	8195	Marilyn and Melissa 2009 Trust / M. Thomas, C. Dennis Carlton Jr.	A470	G	0.000	0.117	0.117
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	G	0.012	0.144	0.144
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	S	0.078	0.144	0.144
Hillsborough	8227	Farkas Investments Inc	A415	G	0.000	0.017	0.017
Hillsborough	8342	Loop Farms, LLC	A535	G	0.260	0.489	0.489
Hillsborough	8342	Loop Farms, LLC	A535	S	0.000	0.489	0.489
Hillsborough	8373	Haggard Living Trust	A480	G	0.028	0.055	0.055
Hillsborough	8373	Haggard Living Trust	A480	S	0.030	0.055	0.055
Hillsborough	8410	41 Ruskin, LLC	A487	G	0.012	0.156	0.156
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	G	0.019	0.118	0.118
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	S	0.000	0.118	0.118
Hillsborough	8445	Douglas A. Holmberg	A535	G	0.006	0.371	0.371
Hillsborough	8450	Farmland Reserve, Inc	A58S	G	0.322	3.546	3.546
Hillsborough	8490	James Borchard	A535	G	0.055	0.058	0.058
Hillsborough	8492	Ruis L, Linda J, David L, and Marcie K Drawdy	L660	G	0.149	0.254	0.254
Hillsborough	8497	Eljay Properties, LLP	L660	G	0.399	0.475	0.475
Hillsborough	8563	The T.G. and Laverne Robinson Family Partnership, LTD	A415	G	0.000	0.087	0.047
Hillsborough	8574	Pleasant/Wimauma Groves Ltd	A415	G	0.000	0.058	0.058
Hillsborough	8575	Edith S Knox, Trustees of Knox Living Trust	A535	G	0.019	0.056	0.056
Hillsborough	8576	Hopewell Baptist Church Inc & Church Old Cemetery Inc	A415	G	0.016	0.020	0.020
Hillsborough	8578	Wilbur R Reschly	A415	G	0.000	0.017	0.017
Hillsborough	8591	Richard A & Francine J Grewe	A415	G	0.015	0.011	0.011
Hillsborough	8686	Audrey Miller	A535	G	0.078	0.062	0.062
Hillsborough	8687	Mary L. Keene as Trustee of the William K. Keene Family Trust	A535	G	0.114	0.101	0.101
Hillsborough	8706	Hillsborough County School Board	A535	G	0.077	0.021	0.021
Hillsborough	8710	Hillsborough County School Board	A466	G	0.063	0.039	0.006

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	8717	Hillsborough County School Board	A535	G	0.002	0.023	0.006
Hillsborough	8729	Farmland Reserve, Inc	A56S	G	0.122	1.064	1.064
Hillsborough	8748	G & D Farms, Inc	A470	G	0.162	0.245	0.245
Hillsborough	8793	Diaz Family Properties, LLC	L660	G	0.371	0.481	0.481
Hillsborough	8810	Dale S. Wright Revocable Living Trust	A495	G	0.000	0.249	0.249
Hillsborough	8824	William & Barbara Bridges	A535	G	0.018	0.020	0.020
Hillsborough	8842	Winfred & Sue Harrell Investments, LLLP	A480	G	0.036	0.042	0.042
Hillsborough	8842	Winfred & Sue Harrell Investments, LLLP	A480	S	0.000	0.042	0.042
Hillsborough	8873	Sam Jr & Betty Astin	A535	G	0.148	0.179	0.179
Hillsborough	8873	Sam Jr & Betty Astin	A535	S	0.008	0.179	0.179
Hillsborough	8910	M&G Berry Farms, LLC	A535	G	0.104	0.181	0.181
Hillsborough	8916	Winfred & Sue Harrell Investments, LLLP	A480	G	0.159	0.088	0.088
Hillsborough	8946	Peggy A. Waller and Ferris S. Waller	A415	G	0.000	0.067	0.067
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	A535	G	0.000	0.027	0.025
Hillsborough	8983	Ricardo Aleman and Kathryn Watterson	A415	G	0.012	0.010	0.010
Hillsborough	8999	Hull Citrus Properties, Inc	A58S	G	0.148	0.301	0.301
Hillsborough	9019	Wayne Moss	A470	G	0.080	0.177	0.177
Hillsborough	9024	Travis Council	A56S	G	0.049	0.112	0.112
Hillsborough	9056	Leonard H Marks Trustee	A535	G	0.056	0.082	0.082
Hillsborough	9062	Thomas F & Ellen S Folsom	A415	G	0.000	0.039	0.039
Hillsborough	9102	Patricia Richey	A535	G	0.043	0.054	0.054
Hillsborough	9194	R. P. Co., Inc	L660	G	0.153	0.685	0.685
Hillsborough	9224	The Charles G. Grimes, Sr. Family LTP	A535	G	0.199	0.459	0.459
Hillsborough	9238	Jose A & Teresa Chavez Hernandez	A535	G	0.045	0.052	0.052
Hillsborough	9277	Marian Jeanette Hall	A58S	G	0.051	0.043	0.043
Hillsborough	9277	Marian Jeanette Hall	A58S	S	0.030	0.043	0.043
Hillsborough	9278	Elias & Lorena Gutierrez	A535	G	0.024	0.043	0.043
Hillsborough	9286	Wayne Moss	A535	G	0.008	0.014	0.014

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	9304	Ralph And Virgie Williams	A535	S	0.013	0.022	0.022
Hillsborough	9315	Wilmer E & Joyce Woodard	A535	G	0.008	0.024	0.024
Hillsborough	9323	RJJAMS, LLC	A535	G	0.009	0.048	0.048
Hillsborough	9456	Wanda M Stewart Trustee Uad 8-08	A535	G	0.141	0.092	0.092
Hillsborough	9463	Thomas D & Patricia Richey	A415	G	0.000	0.012	0.012
Hillsborough	9489	Holmberg Farms Inc	A480	G	0.409	1.059	1.059
Hillsborough	9489	Holmberg Farms Inc	A480	S	0.229	1.059	1.059
Hillsborough	9534	Robert James & Margaret Coe Wilder	A415	G	0.000	0.013	0.013
Hillsborough	9554	Robert W. & Bette J. Allen	A655	G	0.026	0.052	0.052
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	G	0.257	0.581	0.581
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	S	0.017	0.581	0.581
Hillsborough	9611	Valle Del Sol Properties, LLC	A535	G	0.056	0.186	0.186
Hillsborough	9625	Cowart, Uleric Eugene and Martha	A415	G	0.008	0.017	0.017
Hillsborough	9633	G&D Farms, Inc	A535	G	0.053	0.336	0.336
Hillsborough	9633	G&D Farms, Inc	A535	S	0.000	0.336	0.336
Hillsborough	9655	Loop Farms, LLC	A480	G	0.020	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	0.057	0.119	0.119
Hillsborough	9701	Branch Land Company, LLC	A415	G	0.005	0.030	0.030
Hillsborough	9811	David R. & Joyce Stanaland Family Trust	A410	G	0.000	0.013	0.013
Hillsborough	9875	Grace Community Church of Brandon, Inc	A51S	G	0.025	0.047	0.040
Hillsborough	9888	Fidel & Hilda Castillo	A535	G	0.026	0.047	0.047
Hillsborough	9902	Casper J. And Sue Ann Brock	A415	G	0.001	0.004	0.004
Hillsborough	9908	Sarah Williamson	A410	G	0.053	0.099	0.099
Hillsborough	9915	Razorback Ranch II, LLC	A415	G	0.120	0.293	0.293
Hillsborough	9936	Wimauma Grove, LLC	A535	G	0.092	0.139	0.139
Hillsborough	9948	Loop Farms, LLC	A535	G	0.058	0.217	0.217
Hillsborough	9980	Michael & Jessica Young	A535	G	0.000	0.029	0.029

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	10003	Velma Newsome Groves, Inc	A535	G	0.021	0.035	0.035
Hillsborough	10007	Sweet Life Farms, LLC	A535	G	0.083	0.310	0.310
Hillsborough	10007	Sweet Life Farms, LLC	A535	S	0.052	0.310	0.310
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	G	0.095	0.173	0.173
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	S	0.117	0.173	0.173
Hillsborough	10021	Eljay Properties, LLP	L661	G	0.311	0.450	0.450
Hillsborough	10038	Dwayne, Dana and Edna DeShong	A415	G	0.000	0.019	0.019
Hillsborough	10066	Florida Acecapaders, Inc	L630	G	0.001	0.029	0.007
Hillsborough	10080	Perfection Partners, Ltd	A415	G	0.000	0.029	0.029
Hillsborough	10106	Borchard Brothers, LLC	A655	G	0.004	0.009	0.009
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	A470	G	0.008	0.159	0.142
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	A470	S	0.000	0.159	0.142
Hillsborough	10155	Grimes Holdings, LLC	A535	G	0.063	0.093	0.093
Hillsborough	10165	Bruce Michael Lott	A58S	G	0.024	0.151	0.151
Hillsborough	10212	Wilbur Reschly	A415	G	0.000	0.017	0.017
Hillsborough	10303	Jon Berry	A415	G	0.000	0.013	0.013
Hillsborough	10345	S & H Mathis, LLC	A535	G	0.310	0.097	0.097
Hillsborough	10354	Midway Farms, LLC	A535	G	0.018	0.037	0.037
Hillsborough	10356	Sumner Cattle Company, LLC	A525	G	0.000	0.153	0.153
Hillsborough	10363	Virginia J. and Douglas J Leetun	A480	G	0.000	0.029	0.029
Hillsborough	10402	Harold F. Dukes	A535	G	0.064	0.073	0.073
Hillsborough	10431	Ronya Properties LLC	A58S	G	0.076	0.093	0.093
Hillsborough	10431	Ronya Properties LLC	A58S	S	0.008	0.093	0.093
Hillsborough	10461	Wayne G. Moss	A535	G	0.169	0.236	0.236
Hillsborough	10466	Sun City Tree Farms, A Florida General Partnership	A480	G	0.051	0.281	0.281
Hillsborough	10467	Dennis & Linda Spivey	A535	G	0.019	0.030	0.030
Hillsborough	10486	Robert D and Gwen D Aman	A415	G	0.002	0.011	0.011
Hillsborough	10629	Willie W & Lavone W Wingate	A535	G	0.001	0.022	0.022

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	10654	Ellel Ministries USA Inc	A535	G	0.000	0.189	0.189
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	G	0.161	0.235	0.235
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	S	0.000	0.235	0.235
Hillsborough	10738	Perfection Partners, Ltd	A415	G	0.000	0.016	0.016
Hillsborough	10755	Aman Enterprises LLC	A470	G	0.103	0.201	0.201
Hillsborough	10755	Aman Enterprises LLC	A470	S	0.008	0.201	0.201
Hillsborough	10780	C Reid Schmidt	A415	G	0.002	0.004	0.004
Hillsborough	10784	William and Rebecca Wilson	A535	G	0.036	0.043	0.043
Hillsborough	10824	Keysville Road Plant City, LLC	A535	G	0.062	0.203	0.203
Hillsborough	10824	Keysville Road Plant City, LLC	A535	S	0.032	0.203	0.203
Hillsborough	10839	R and D Properties of Brandon, Inc	A535	G	0.009	0.015	0.015
Hillsborough	10876	Mac Greco, Jr	A525	G	0.031	0.040	0.040
Hillsborough	10883	Danny Loyd and Sandra McGavin	A480	G	0.006	0.071	0.071
Hillsborough	10911	Kenneth & Sarah Dance Trust Agreement	A415	G	0.026	0.031	0.031
Hillsborough	10939	Jo Alice F. McDonald	A655	G	0.008	0.047	0.047
Hillsborough	10999	Hopewell Land Partners, LLC	A415	G	0.000	0.147	0.147
Hillsborough	10999	Hopewell Land Partners, LLC	A415	S	0.001	0.147	0.147
Hillsborough	11048	Berkshire Investments, LLC	A535	G	0.021	0.032	0.032
Hillsborough	11102	Stine Family Partnership, LTD	A535	G	0.027	0.037	0.037
Hillsborough	11164	Clifford Gude, Jr	A535	G	0.077	0.134	0.134
Hillsborough	11181	Del Monte Fresh Production, Inc	A56S	G	0.457	1.591	1.587
Hillsborough	11307	Charles L. and Norma G. Woodard	A420	G	0.012	0.010	0.010
Hillsborough	11390	Borchard Brothers, LLC	A535	G	0.103	0.237	0.237
Hillsborough	11390	Borchard Brothers, LLC	A535	S	0.007	0.237	0.237
Hillsborough	11457	Futch Properties Inc	A535	G	0.127	0.249	0.249
Hillsborough	11457	Futch Properties Inc	A535	S	0.008	0.249	0.249
Hillsborough	11474	Astin Strawberry Property Management, LLC	A535	G	0.136	0.273	0.273
Hillsborough	11491	Huntley Properties, LLC	A535	G	0.076	0.122	0.122

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	11494	Winfred & Sue Harrell Investments, LLLP	A480	G	0.231	0.125	0.125
Hillsborough	11508	The Conrad Family Limited Partnership	A415	G	0.031	0.032	0.032
Hillsborough	11553	James R. & Cathy Ennis Townsend, Jr	A56S	G	0.010	0.070	0.070
Hillsborough	11661	C. Dennis Carlton Sr	A535	G	0.207	0.367	0.367
Hillsborough	11661	C. Dennis Carlton Sr	A535	S	0.055	0.367	0.367
Hillsborough	11679	James Silas	A535	G	0.031	0.020	0.020
Hillsborough	11726	Winfred & Sue Harrell Investments, LLLP	A480	G	0.230	0.273	0.273
Hillsborough	11733	John & Inell White	A535	G	0.045	0.072	0.072
Hillsborough	11738	S & H Mathis, LLC	A410	G	0.000	0.021	0.021
Hillsborough	11751	Meribeth Sizemore Revocable Trust	A415	G	0.015	0.020	0.020
Hillsborough	11916	Janet L Goodson	A44S	G	0.245	0.300	0.300
Hillsborough	11969	Charles G. Grimes Rev. Trust and Betty J. Grimes Rev. Trust	A535	G	0.050	0.092	0.092
Hillsborough	11977	Hillsborough County BOCC	A56S	G	0.000	0.635	0.635
Hillsborough	12030	Sizemore Farms, Inc	A470	G	0.046	0.236	0.236
Hillsborough	12077	Cherri N. Clark	A535	G	0.010	0.016	0.016
Hillsborough	12212	60 Jerry Smith, LLC	A535	G	0.118	0.101	0.101
Hillsborough	12287	Neville Clayton Davis, Jr.	A535	G	0.040	0.139	0.139
Hillsborough	12299	Jeremie W. & Samantha K. Hayford	A410	G	0.009	0.013	0.013
Hillsborough	12313	William Burchenal	A415	G	0.051	0.140	0.140
Hillsborough	12315	Robert H Parke & Peggy E Parke	A535	S	0.071	0.134	0.134
Hillsborough	12329	Dover Real Estate Investments LLC	A480	G	0.068	0.102	0.102
Hillsborough	12329	Dover Real Estate Investments LLC	A480	S	0.026	0.102	0.102
Hillsborough	12333	Arthur Earl Staggs	A480	G	0.008	0.026	0.026
Hillsborough	12350	James Austin Borchard	A535	G	0.021	0.133	0.133
Hillsborough	12361	DiMare Ruskin LLC	A56S	G	0.129	0.604	0.604
Hillsborough	12363	Fancy Farms, Inc	A535	G	0.009	0.044	0.044
Hillsborough	12378	Roy L. Harwood	A415	G	0.000	0.011	0.011
Hillsborough	12437	Conrad and Neoda Dumke	A410	G	0.066	0.072	0.072

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	G	0.034	0.088	0.088
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	S	0.012	0.088	0.088
Hillsborough	12452	Goodson Family, LLLP	A655	G	0.306	0.541	0.541
Hillsborough	12480	Montesco Group, LLC	A535	G	0.083	0.125	0.125
Hillsborough	12523	University of Florida Board of Trustees	A520	G	0.194	0.345	0.344
Hillsborough	12538	Floyd Williams and Ann Marie Williams Revocable Trust Agreements	A410	G	0.015	0.048	0.048
Hillsborough	12639	WHS Land, LLC	A480	G	0.077	0.171	0.171
Hillsborough	12787	McIntosh Road Dover, LLC	A535	G	0.127	0.163	0.163
Hillsborough	12793	S&H Mathis, LLC	A58S	G	0.036	0.071	0.071
Hillsborough	12806	Mattie Louise Williams 2001 Trust	A535	G	0.006	0.039	0.039
Hillsborough	12811	Alan E Hall, Trustee, Hall Family Irrevocable Trust	A535	G	0.004	0.029	0.029
Hillsborough	12819	Andrew E & Karen S Rogers	A535	G	0.041	0.041	0.041
Hillsborough	12821	Greg W. and Karen S. Lawson	A535	G	0.011	0.057	0.057
Hillsborough	12822	Fidel & Hilda Castillo	A51S	G	0.043	0.064	0.064
Hillsborough	12822	Fidel & Hilda Castillo	A51S	S	0.004	0.064	0.064
Hillsborough	12836	Razorback Ranch, LLC	A525	G	0.000	0.496	0.403
Hillsborough	12836	Razorback Ranch, LLC	A525	S	0.000	0.496	0.403
Hillsborough	12837	Delva W & Ruben Wallace Register	A535	G	0.039	0.062	0.062
Hillsborough	12859	Valle Del Sol Properties, LLC	A535	G	0.014	0.028	0.028
Hillsborough	12883	L. O. Vickers	A655	G	0.010	0.034	0.034
Hillsborough	12935	Roger Gilford	A535	G	0.018	0.019	0.019
Hillsborough	12998	Carter Family Living Trust	A655	G	0.045	0.094	0.094
Hillsborough	13060	Gary A. Craig	A480	G	0.233	0.074	0.074
Hillsborough	13087	Bruce Rumph	A480	G	0.084	0.134	0.134
Hillsborough	13176	Mary Lett Keene, Trustee	A535	G	0.026	0.043	0.043
Hillsborough	13296	J. Aprile Properties, LLC	A535	G	0.050	0.084	0.084
Hillsborough	13296	J. Aprile Properties, LLC	A535	S	0.000	0.084	0.084
Hillsborough	13327	Alta Groves, Inc	A51S	G	0.003	0.061	0.061

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	20000	GLH-SR 60 25, LLC	A535	G	0.038	0.049	0.049
Hillsborough	20010	Raeann Randall	A535	G	0.018	0.019	0.019
Hillsborough	20010	Raeann Randall	A535	S	0.014	0.019	0.019
Hillsborough	20019	Sam & Buffy Astin	A535	G	0.035	0.092	0.092
Hillsborough	20038	Carrie Lou Dorman as Trustee of the Carrie Lou Dorman Trust	A655	G	0.000	0.242	0.242
Hillsborough	20038	Carrie Lou Dorman as Trustee of the Carrie Lou Dorman Trust	A655	S	0.006	0.242	0.242
Hillsborough	20061	Tampa Electric Company	A535	S	0.003	0.007	0.007
Hillsborough	20102	Talal Properties Ltd	A535	G	0.007	0.014	0.014
Hillsborough	20109	Sam Astin III	A470	G	0.024	0.051	0.051
Hillsborough	20109	Sam Astin III	A470	S	0.000	0.051	0.051
Hillsborough	20111	RJJAMS, LLC	A51S	G	0.000	0.152	0.152
Hillsborough	20111	RJJAMS, LLC	A51S	S	0.058	0.152	0.152
Hillsborough	20139	Rod Marvel	A470	G	0.000	0.045	0.045
Hillsborough	20150	Hurley Creek Townhomes, Inc	A535	G	0.007	0.151	0.151
Hillsborough	20159	Earl C. Godwin and Dorothy R. Godwin, Trustees	A535	S	0.016	0.044	0.044
Hillsborough	20160	Hilda Castillo	A535	G	0.000	0.031	0.031
Hillsborough	20160	Hilda Castillo	A535	S	0.024	0.031	0.031
Hillsborough	20161	Terry O. and Daphne C. Ballard, et al	A535	G	0.039	0.076	0.076
Hillsborough	20181	Oak Hammock Ranch, LLC	A410	G	0.047	0.055	0.055
Hillsborough	20187	Kelsey Court LLC	A535	G	0.157	0.061	0.061
Hillsborough	20228	Aristeo and Esperanza Gutierrez and Millard C. Dubose Jr.	A535	S	0.005	0.058	0.058
Hillsborough	20229	Bobbie Ann Parrish Dec of Trust & Charles D. Parrish	A535	G	0.040	0.049	0.049
Hillsborough	20270	Charanji Duggal	A410	G	0.013	0.044	0.044
Hillsborough	20270	Charanji Duggal	A410	S	0.008	0.044	0.044
Hillsborough	20276	The Montesco Group, LLC	A470	G	0.036	0.048	0.048
Hillsborough	20277	Sizemore Properties, LLC.	A415	G	0.000	0.043	0.043
Hillsborough	20310	Eljay Properties, LLP	L661	G	0.104	0.211	0.211
Hillsborough	20348	North Thirty LLC	A415	G	0.000	0.047	0.047



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Hillsborough	20461	GLH Enterprises, LLLP	A470	G	0.193	0.295	0.295
Hillsborough	20501	George and/or Marie Lipsey	A415	G	0.002	0.018	0.018
Hillsborough	20513	Caroline A. Perocchi Revocable Trust	A535	G	0.001	0.063	0.063
Hillsborough	20513	Caroline A. Perocchi Revocable Trust	A535	S	0.038	0.063	0.063
Hillsborough	20571	William G. and Lenna Fay Stone	A535	G	0.011	0.007	0.007
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	G	0.522	1.907	1.827
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	S	0.000	1.907	1.827
Hillsborough	20593	Richard & Peggy Peacock	A651	G	0.000	0.094	0.094
Hillsborough	20657	Harvey F. and Janice L. Dreggors, Trustees	A535	G	0.053	0.018	0.018
Hillsborough	20674	Virginia Johnson Life Estate, W. Butler, J. Register, G. Johnson	A535	G	0.007	0.028	0.028
Hillsborough	20725	Airport and Hillsborough, LLC	A56S	G	0.190	0.410	0.410
<b>Hillsborough County Totals</b>					<b>39.682</b>	<b>Metered, mgd</b>	
					<b>7.714</b>	<b>Estimated, mgd, 345 WUPs</b>	
					<b>47.396</b>	<b>Total, mgd</b>	
Lake	1347	Tom Thayer Citrus Inc	A415	G	0.312	0.545	0.545
Lake	8090	Green Swamp Ranch LLC	A410	G	0.006	0.141	0.141
Lake	8090	Green Swamp Ranch LLC	A410	S	0.000	0.141	0.141
<b>Lake County Totals</b>					<b>4.337</b>	<b>Metered, mgd</b>	
					<b>3.578</b>	<b>Estimated, mgd, 15 WUPs</b>	
					<b>7.915</b>	<b>Total, mgd</b>	
Levy	5095	Williston Peanuts, Inc	A52S	G	2.377	2.057	2.057
Levy	5122	Whitehurst Cattle Company	A525	G	0.022	2.671	2.671
Levy	5160	Arthur Sandlin	A52S	G	0.149	1.123	1.123
Levy	6586	B&G Family Partnership LLLP	A500	G	0.000	0.654	0.642
Levy	8219	Damon & Sharon Sandlin	A52S	G	0.091	0.813	0.813
Levy	10023	AEG Associates LLC	A52S	G	0.022	0.677	0.677
Levy	11008	Waldrep Enterprises LLLP	A495	G	0.017	0.985	0.985
Levy	11026	Brown Pelican Farms LLC	A500	G	0.133	1.485	1.485

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Levy	12579	Lee A & Beverly J Thomas Co-Trustees	A450	G	0.000	1.140	1.140
Levy	13339	Marshall Tree Farm, Inc	A485	G	1.527	2.436	2.436
<b>Levy County Totals</b>					<b>4.337</b>	<b>Metered, mgd</b>	
					<b>3.578</b>	<b>Estimated, mgd, 66 WUPs</b>	
					<b>7.915</b>	<b>Total, mgd</b>	
Manatee	503	J.T. Reeder Partners, LLLP	A56F	G	0.000	0.875	0.867
Manatee	2933	Bruce E Leland S Gary L & Brent D Shackelford	A515	G	0.530	1.339	1.339
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	A525	G	0.157	0.459	0.243
Manatee	3762	Pallardy LLC, Lee F. Pallardy III, & Jon Franz LLC	A415	G	0.059	0.080	0.080
Manatee	3794	ESDA Realty Inc	A525	G	0.000	0.340	0.340
Manatee	3796	Revocable Living Trust Agreement of Ira L. Carlton	A490	G	0.000	0.085	0.085
Manatee	3808	ATS Ag Ventures LLC	A415	G	0.083	0.153	0.153
Manatee	3832	The Arlin Taylor Ranch Limited Partnership	A56F	G	0.287	0.598	0.598
Manatee	3838	CSPR LTD	A58S	G	0.139	0.252	0.252
Manatee	3847	L3 Partnership LLP dba L3 Farms	A56F	G	2.545	8.224	8.224
Manatee	3848	Dimare Homestead Inc	A56S	G	0.709	4.802	4.802
Manatee	3853	Florida Triple 7 Ranch, LLC	A485	G	0.000	0.249	0.249
Manatee	3924	Northwest Manatee, LLC	A490	G	0.000	0.280	0.280
Manatee	3975	John Falkner, LLC	A56S	G	3.647	6.960	6.960
Manatee	4049	Sorrells Groves, Inc	A415	G	0.169	0.936	0.936
Manatee	4190	Myakka River Properties Inc	A56F	G	0.000	0.123	0.123
Manatee	4228	Peace Valley Groves, Inc	A415	G	0.142	0.281	0.281
Manatee	4309	CC Manatee Development LLC	A495	G	0.061	0.624	0.615
Manatee	4309	CC Manatee Development LLC	A495	S	0.000	0.624	0.615
Manatee	4378	Emil and Cheryl Carlton	A56F	G	0.034	0.319	0.319
Manatee	4412	Riverview Grove Ltd	A56S	G	0.097	3.417	3.417
Manatee	4412	Riverview Grove Ltd	A56S	S	0.000	3.417	3.417
Manatee	4447	Del Monte Fresh Production, Inc	A56F	G	0.584	1.354	1.354

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Manatee	4453	Mon Chou Peu Bull, LLC	A615	G	0.318	0.388	0.388
Manatee	4467	John Falkner, LLC	A56S	G	2.978	9.778	9.773
Manatee	4580	Triangle Ranch, LLC	A490	G	0.000	0.136	0.136
Manatee	4662	R. Thomas Chapman, Jr. Family Trust	A415	G	0.001	0.123	0.123
Manatee	4729	School Board of Manatee County	A56S	G	0.000	0.092	0.003
Manatee	4761	Johnson-Manatee Holdings, LLC	A415	G	0.050	0.340	0.340
Manatee	4761	Johnson-Manatee Holdings, LLC	A415	S	0.032	0.340	0.340
Manatee	4780	W. R. Family Revocable Trust	A495	G	0.000	0.430	0.430
Manatee	4789	Hunsader Farms, Inc	A56S	G	0.265	1.747	1.747
Manatee	5058	McCarlton Partners Ltd	A525	G	0.000	0.466	0.466
Manatee	5309	Cargor PartnersVI-Buckeye 928 LC	A415	G	0.000	0.236	0.236
Manatee	5310	Port Manatee Land, LLC	A56F	G	0.101	0.196	0.196
Manatee	5384	Myrna A Jordan Trust	A56S	G	0.234	0.375	0.375
Manatee	5423	Florida Power & Light Company	A57F	G	0.095	0.435	0.362
Manatee	5444	Manatee County School District	A56S	G	0.102	0.271	0.244
Manatee	5459	Manatee Fruit Company	A480	G	0.000	0.225	0.225
Manatee	5461	Lake Flores I, LLC	A56S	G	0.000	2.421	2.421
Manatee	5462	Manatee Fruit Company	A415	G	0.000	0.146	0.146
Manatee	5512	Wauchula Road Duette, LLC	A535	G	1.357	2.002	2.002
Manatee	5514	McClure Properties, LTD	A56S	G	2.230	5.985	5.985
Manatee	5599	LF LLC	A415	G	0.203	0.272	0.272
Manatee	5617	Medallion Homes	A700	G	0.000	0.332	0.116
Manatee	5620	Hiram C Saffold	A51S	G	0.000	0.678	0.678
Manatee	5649	Mark Holdren & Roger E. Triplett	A480	G	0.007	0.009	0.009
Manatee	5689	Farren R & Christina M Dakin	L615	G	0.099	0.412	0.412
Manatee	5693	Andy D Taylor Ranch LLC	A490	G	0.076	0.136	0.136
Manatee	6059	M Plus Ranch Inc / West Florida Agro LTD	A56S	G	0.046	1.004	1.004
Manatee	6077	McClure Properties, LTD	A465	G	1.016	3.078	3.078

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Manatee	6667	Heart Groves Inc	A415	G	0.390	0.814	0.814
Manatee	6668	QC Desoto Grove Ventures, LLC	A415	G	0.017	0.307	0.307
Manatee	6915	James D. Brewer & Robert C. Brewer	A495	G	0.091	1.228	1.228
Manatee	6981	Jones Potato Farm	A515	G	0.185	0.367	0.367
Manatee	7031	Adamatmar, LLC	A56S	G	0.000	0.318	0.318
Manatee	7085	Turner Groves Citrus Limited Partnership	A50F	G	1.516	1.538	1.538
Manatee	7350	Felton C Walker Jr	A56S	G	0.736	1.383	1.383
Manatee	7502	Big Red Bull LLC	A495	G	0.224	0.688	0.688
Manatee	7631	McClure Properties, LTD	A56F	G	0.000	0.849	0.849
Manatee	7635	McClure Properties, LTD	A495	G	0.000	0.081	0.081
Manatee	7649	Betty Moody	A525	G	0.123	0.352	0.352
Manatee	7724	FLM, Inc	A415	G	0.064	0.835	0.835
Manatee	7846	Schroeder-Manatee Ranch, Inc (Multi-County w Sarasota)	A525	G	0.474	18.238	4.125
Manatee	7846	Schroeder-Manatee Ranch, Inc	A525	S	0.000	18.238	4.125
Manatee	7891	DME Holdings, LLC	A415	G	0.527	0.402	0.402
Manatee	7998	QC Desoto Grove Ventures, LLC	A415	G	0.327	0.465	0.465
Manatee	8102	Jordan and Jordan Inc	A415	G	0.081	0.126	0.126
Manatee	8420	James R Grainger II	A415	G	0.235	1.266	1.266
Manatee	8421	4 Star Tomato Inc	A465	G	0.599	1.253	1.253
Manatee	8638	DEA Manatee Grove LLC, Jefferson Manatee LLC	A525	G	0.524	0.706	0.706
Manatee	8694	QC Manatee Groves LLC	A415	G	0.373	0.574	0.574
Manatee	8829	Whisenant Farms Co Inc	A56S	G	0.262	1.278	1.278
Manatee	8904	Walker Pasture LLC	A525	G	0.000	0.516	0.516
Manatee	8912	J. Gary Russ, Cathryne Russ, & Christopher Russ	A415	G	0.083	0.168	0.168
Manatee	8987	C & D Fruit & Vegetable Co., Inc	A535	G	0.037	0.130	0.130
Manatee	8987	C & D Fruit & Vegetable Co., Inc	A535	S	0.003	0.130	0.130
Manatee	9014	Good Grove Investments, LLC	A415	G	1.378	1.815	1.815
Manatee	9025	John Falkner, LLC	A51S	G	0.497	1.459	1.459

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Manatee	9089	FFD Land Co Inc	A56S	G	1.248	2.791	2.779
Manatee	9113	QC Desoto Grove Ventures, LLC	A415	G	0.188	0.157	0.157
Manatee	9227	Mosaic Fertilizer, LLC	A415	G	0.016	0.079	0.079
Manatee	9348	Elizabeth A Johnson Family Land Trust	A646	G	0.086	0.754	0.754
Manatee	9391	WFA Land Company, Inc	A655	G	2.290	2.779	2.779
Manatee	9400	Desoto Ranch Estates	A415	G	0.000	0.156	0.152
Manatee	9400	Desoto Ranch Estates	A415	S	0.000	0.156	0.152
Manatee	9526	Three D Farms, LLC	A56S	G	0.000	0.486	0.486
Manatee	9526	Three D Farms, LLC	A56S	S	0.000	0.486	0.486
Manatee	9603	Chung Shuen Farm, Inc	A480	G	0.009	0.318	0.318
Manatee	9603	Chung Shuen Farm, Inc	A480	S	0.000	0.318	0.318
Manatee	9817	Benny Albritton, Sr	A56F	G	0.131	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	0.046	0.158	0.158
Manatee	10187	Prairie Creek Dairy, Inc	L615	G	0.275	0.306	0.306
Manatee	10329	Keystone Grove Company	A415	G	0.066	0.085	0.085
Manatee	10483	Sarah Frey-Talley	A56S	G	0.131	0.440	0.440
Manatee	10487	Rutland Ranch Farms, LLC	A515	G	0.377	1.347	1.347
Manatee	10758	Jordan and Jordan Inc	A415	G	0.070	0.113	0.113
Manatee	10800	Del Monte Fresh Production, Inc	A56F	G	0.000	2.388	2.388
Manatee	10978	T&T Environmental, LLC & Manatee County Grove A, LLC	A415	G	0.069	0.172	0.172
Manatee	11019	Old Florida Investments, Inc	A56F	G	0.671	1.539	1.470
Manatee	11019	Old Florida Investments, Inc	A56F	S	0.000	1.539	1.470
Manatee	11105	WFA Land Company, Inc	A56S	G	0.954	3.011	2.992
Manatee	11123	Clay Gully Ranch, LLC	A56S	G	0.182	2.186	2.186
Manatee	11125	Edward Grady Maggard, Jr. and Lorene Maggard	A56S	G	2.903	2.084	2.084
Manatee	11167	Western Farmland, LLC	A525	G	0.753	2.941	2.941
Manatee	11167	Western Farmland, LLC	A525	S	0.000	2.941	2.941

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Manatee	11258	Total Construction Management, LLC	A480	G	0.000	0.215	0.215
Manatee	11287	John Falkner, LLC	A51S	G	1.587	5.224	5.224
Manatee	11427	Peter Old	A592	G	0.502	1.240	1.240
Manatee	11440	John Falkner, LLC	A56S	G	0.111	0.574	0.574
Manatee	11440	John Falkner, LLC	A56S	S	0.000	0.574	0.574
Manatee	11481	Prairie Creek Dairy, Inc	A451	G	0.239	0.423	0.423
Manatee	11918	Gordon Properties, LLC	A56F	G	0.274	0.316	0.316
Manatee	11921	Goodson Farms, Inc	A56S	G	0.456	0.616	0.616
Manatee	11922	Jones Potato Farm, Inc	A51S	G	1.049	1.483	1.483
Manatee	11961	Pacific Land, Ltd	A56S	G	1.289	3.852	3.852
Manatee	11963	SCF Farms Inc, Handcart Citrus and Cattle, Inc and Harry Cortese	A56F	G	0.247	2.502	2.502
Manatee	12005	Elias Cura LLC	A52S	G	0.001	0.488	0.488
Manatee	12018	McClure Properties, LTD	A56F	G	0.000	2.259	2.259
Manatee	12133	W.S. Badcock Corporation	A56S	G	0.029	1.121	1.121
Manatee	12154	H D Budd Farms, Inc	A56F	G	0.126	0.750	0.750
Manatee	12189	The Baker, Walter, Saraw Family Trust	A49S	G	0.000	0.204	0.204
Manatee	12216	ESDA, Inc	A49S	G	0.050	0.323	0.323
Manatee	12264	John Falkner, LLC	A56F	G	1.194	1.398	1.398
Manatee	12386	Del Monte Fresh Production, Inc	A56F	G	1.779	1.000	1.000
Manatee	12428	Western Farmland, LLC	A56S	G	0.321	0.674	0.674
Manatee	12474	Mary Forristall	A48S	G	0.000	0.055	0.055
Manatee	12511	Jones Potato Farm, Inc	A466	G	0.342	0.811	0.811
Manatee	12971	Lyna Berry Farms, Inc	A410	G	0.018	0.322	0.322
Manatee	12991	HBT of Eagle Pointe, LLC	A56S	G	0.000	0.279	0.279
Manatee	13007	Lakeshore Knolls LLC	A41S	G	0.228	0.258	0.258
Manatee	13008	Lakeshore Knolls LLC	A41S	G	0.130	0.200	0.200
Manatee	13011	John Falkner, LLC, Rye Ranch, LLC and Rowe Ventures, LLC	A56F	G	0.848	2.524	2.524
Manatee	13281	GTIS I VGC, LP	A49S	G	0.000	0.085	0.085

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	G	1.895	3.048	3.048
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	S	0.000	3.048	3.048
Manatee	20091	Ag-Mart Produce, Inc	A56S	G	0.465	2.142	2.142
Manatee	20106	Parrish Road Duette, LLC	A535	G	0.320	0.575	0.575
Manatee	20245	Timothy A. Knowles as Trustee of the Land Trust Number 32	A56S	G	0.000	0.154	0.154
Manatee	20268	Grainger Holdings, LLC	A56S	G	0.047	0.441	0.441
Manatee	20596	Paul's Parrish, LLC	A525	G	0.035	0.184	0.184
<b>Manatee County Totals</b>					<b>51.266</b>	<b>Metered, mgd</b>	
					<b>4.321</b>	<b>Estimated, mgd, 162 WUPs</b>	
					<b>55.587</b>	<b>Total, mgd</b>	
Marion	2183	Phoenix Sunrise, LLC	A52S	G	0.000	0.150	0.150
Marion	2697	Charlotte Weber	A455	G	0.030	1.028	0.847
Marion	11475	Arbor Springs Development, LLC	A490	G	0.000	0.106	0.074
Marion	11602	McGinley Family LP	A52S	G	0.123	2.653	2.653
Marion	12911	The Club at Ocala Preserve LLC	A460	G	0.074	0.223	0.073
Marion	20174	On Top of the World Communities Inc	A52F	G	0.000	0.664	0.663
Marion	20319	Sleepy Creek Lands LLC	A525	G	0.006	0.888	0.888
<b>Marion County Totals</b>					<b>0.233</b>	<b>Metered, mgd</b>	
					<b>3.525</b>	<b>Estimated, mgd, 52 WUPs</b>	
					<b>3.758</b>	<b>Total, mgd</b>	
Pasco	1580	SRI 2, LLC	A410	G	0.055	0.095	0.095
Pasco	1580	SRI 2, LLC	A410	S	0.021	0.095	0.095
Pasco	1636	Spray Miser International Inc	A415	G	0.000	0.177	0.177
Pasco	1977	Herbert & Lacy Boltin Rev Living Trust	A415	G	0.041	0.153	0.153
Pasco	2413	Pasco Ranch, Inc	A490	G	0.000	0.115	0.115
Pasco	2479	Wiregrass Ranch Inc	A525	G	0.000	0.535	0.535
Pasco	2644	EpcO Ranch, Inc	A415	G	0.000	0.122	0.122
Pasco	2698	Sid Larkin & Son Inc, JSL Ranch Inc, Larkin Cattle Co Inc	A495	G	0.250	0.497	0.497

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Pasco	3379	Perfection Partners, Ltd	A415	G	0.000	0.112	0.112
Pasco	3380	Evans Properties Inc	A50F	G	0.000	0.165	0.165
Pasco	3381	Evans Properties Inc	A415	G	0.000	0.138	0.138
Pasco	3388	Evans Properties Inc	A415	G	0.000	0.252	0.252
Pasco	3390	Evans Properties Inc	A415	G	0.000	0.081	0.081
Pasco	3391	Evans Properties Inc	A415	G	0.000	0.794	0.794
Pasco	3392	Evans Properties Inc	A495	G	0.000	0.155	0.155
Pasco	3468	Bexley Ranch Land Trust	A525	G	0.000	0.343	0.343
Pasco	4052	Evans Properties Inc	A415	G	0.000	0.102	0.102
Pasco	4540	Will Pick LLC	A425	G	0.000	0.025	0.025
Pasco	5897	Barthle Brothers Ranch, LLC	A58S	G	0.000	0.205	0.205
Pasco	5973	Freemarr Development, Inc & Suntech Investments, Inc	A415	G	0.000	0.302	0.302
Pasco	7021	Brightman Logan Revocable Trust	A480	G	0.004	0.155	0.155
Pasco	7326	Freemarr Development, Inc. & Sunfield Homes, Inc.	A495	G	0.000	0.562	0.562
Pasco	7497	Ann Oakley Maggard & Dale Edward Maggard	A415	G	0.000	0.146	0.146
Pasco	7499	Lake Placid Groves LLC	A415	G	0.000	0.187	0.187
Pasco	7576	CR Pasco Development Company, LLC	A495	G	0.000	0.360	0.360
Pasco	7686	Angelo's Aggregate Materials, LTD	A485	G	0.000	0.152	0.152
Pasco	8737	Boarshead Ranch, LLC	A525	G	0.002	0.820	0.820
Pasco	8932	Jordan and Jordan Inc	A415	G	0.000	0.163	0.163
Pasco	9071	DMMD XIII, LLC	A56F	G	0.000	0.250	0.250
Pasco	9081	Evans Properties Inc	A495	G	0.000	0.094	0.094
Pasco	9150	LD Mitchell Inc	A490	G	0.000	0.240	0.240
Pasco	9749	Simpson Farms, Inc	A415	G	0.123	0.163	0.163
Pasco	11634	James & Dorothy Mitchell Investments, Ltd	A455	G	0.000	0.346	0.346
Pasco	11773	Little Everglades Ranch Inc	A525	G	0.047	0.257	0.104
Pasco	11773	Little Everglades Ranch Inc	A525	S	0.000	0.257	0.104
Pasco	11926	Price Realty LLC	A415	G	0.000	0.053	0.053



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Pasco	11927	Will Pick LLC	A415	G	0.000	0.111	0.111
Pasco	12346	La Hacienda Del Cielo LLC	A415	G	0.005	0.164	0.154
Pasco	12919	EMSM Pasco, LLC	A485	G	0.143	0.161	0.161
Pasco	12934	Angeline Corp	A525	G	0.000	0.317	0.317
Pasco	13114	The Gardens Wholesale Nursery	A480	G	0.000	0.174	0.174
Pasco	13170	Angelo's Aggregate Materials Ltd	A525	G	0.103	0.579	0.575
Pasco	13171	Stony Pointe Limited Partnership	A415	G	0.148	0.178	0.178
Pasco	13316	Al-Bar Ranch Partnership	A535	G	0.000	0.149	0.149
Pasco	20413	Frogmore Ranch, LLC	A410	G	0.178	0.475	0.475
Pasco	20682	David & Deborah Abla	A415	G	0.000	0.055	0.055
<b>Pasco County Totals</b>					<b>1.119</b>	<b>Metered, mgd</b>	
					<b>4.774</b>	<b>Estimated, mgd, 205 WUPs</b>	
					<b>5.893</b>	<b>Total, mgd</b>	
Pinellas	7362	Pinellas Co Parks & Conservation Department	A485	G	0.000	0.192	0.063
Pinellas	7362	Pinellas Co Parks & Conservation Department	A485	S	0.000	0.192	0.063
Pinellas	12062	Pinellas County	A405	G	0.007	0.131	0.131
<b>Pinellas County Totals</b>					<b>0.007</b>	<b>Metered, mgd</b>	
					<b>0.002</b>	<b>Estimated, mgd, 1 WUP</b>	
					<b>0.009</b>	<b>Total, mgd</b>	
Polk	97	Gapway Grove Corp & Strang Groves, LLC	A415	G	0.237	0.889	0.889
Polk	143	Mountain Lake Corporation	A415	G	0.386	3.294	0.638
Polk	170	Smith & Sons Citrus, LLC	A415	G	0.066	0.122	0.122
Polk	222	Lake Hancock Partners LLLP	A415	G	0.094	0.079	0.079
Polk	285	Lake Garfield Grove LLC	A415	G	0.090	0.110	0.110
Polk	327	Waverly Growers Cooperative	A415	G	0.033	0.099	0.099
Polk	382	L Dicks, Inc	A415	G	0.148	0.129	0.129
Polk	384	John G Wood & Associates, Inc	A415	G	0.019	0.320	0.320
Polk	423	John Perdue, Jr	A415	G	0.030	0.100	0.100

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	425	Jefferson Grove, LLLP	A415	G	0.066	0.159	0.159
Polk	427	Clear Springs Land Company, LLC	A495	G	0.000	0.235	0.235
Polk	429	Jefferson Grove, LLLP	A415	G	0.035	0.112	0.112
Polk	430	South Property Holdings, LLC	A415	G	0.039	0.110	0.110
Polk	504	Ray-Bob Groves Inc	A415	G	0.139	0.175	0.175
Polk	551	Bryan Groves, Inc	A415	G	0.081	0.071	0.071
Polk	683	Rohlfing Groves Company	A415	G	0.000	0.134	0.134
Polk	683	Rohlfing Groves Company	A415	S	0.002	0.134	0.134
Polk	693	Putnam Groves, Inc	A415	G	0.053	0.086	0.086
Polk	696	Gardinier Florida Citrus, Inc	A415	G	0.296	0.211	0.211
Polk	772	Putnam Groves, Inc	A415	G	0.217	0.442	0.442
Polk	819	Gain Inc	A415	G	0.008	0.079	0.079
Polk	910	Jack M. Berry, Inc	A415	G	0.121	0.208	0.208
Polk	928	Manuel & Shelly Lopez and John A Jr & Allison Stephens	A415	G	0.058	0.077	0.077
Polk	949	Surveyors Lake, LLC, and Surveyors Lake Grove, LLC	A415	G	0.023	0.073	0.073
Polk	961	Wheeler Farms, Inc	A415	G	0.033	0.206	0.206
Polk	963	Gapway Grove Corporation	A415	G	0.041	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	0.015	0.036	0.036
Polk	1109	Brent Monk	A415	G	0.096	0.140	0.140
Polk	1128	Bowlegs Creek Groves, LLC	A415	G	0.000	0.068	0.068
Polk	1153	Orange & Sons Inc	A415	G	0.000	0.110	0.110
Polk	1161	Lake Buffum Grove Ltd	A415	G	0.125	0.152	0.152
Polk	1202	H Block LLC	A415	G	0.028	0.103	0.103
Polk	1207	Gapway Grove Corporation	A415	G	0.046	0.131	0.131
Polk	1252	Tri-Ben Groves, LLC	A415	G	0.000	0.288	0.288
Polk	1253	Cutrale Citrus Juices USA Inc	A415	G	0.252	0.237	0.237
Polk	1300	Roger Brothers, LLLP	A415	G	0.157	0.121	0.121

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	1404	Ben Hill Griffin, Inc	A415	G	0.130	0.123	0.123
Polk	1426	PH Citrus LLC	A415	G	0.172	0.150	0.150
Polk	1433	Flying V, Inc	A415	G	0.016	0.097	0.097
Polk	1455	Hutcheson Holdings, LLC	A415	G	0.066	0.122	0.122
Polk	1456	Maurice Stephens, SFLG, LLC, and the Estate of Betty Carlson	A415	G	0.044	0.143	0.143
Polk	1458	Hurlburt Construction Inc	A470	G	0.000	0.169	0.169
Polk	1467	Sunshine Fort Meade Properties, Inc	A480	G	0.072	0.102	0.102
Polk	1501	J. Henry Groves, Inc	A415	G	0.034	0.080	0.080
Polk	1660	The North Forty Grove Corp., Inc	A415	G	0.034	0.079	0.079
Polk	1662	Misty Organics, LLC	A410	G	0.032	0.336	0.336
Polk	1664	Southeast Investments of Palm Beach County, Inc	A470	G	0.000	0.141	0.141
Polk	1667	Badillo Brothers, Inc	A415	G	0.063	0.082	0.082
Polk	1676	The Montesco Group, LLC	A415	G	0.222	0.232	0.232
Polk	1693	Clear Springs Land Company, LLC	A525	G	0.006	1.049	1.049
Polk	1693	Clear Springs Land Company, LLC	A525	S	0.000	1.049	1.049
Polk	1697	Dr. Linda J May	A415	S	0.000	0.000	0.000
Polk	1845	Ben Hill Griffin, Inc	A495	G	0.309	0.324	0.324
Polk	1851	David H. Wilcox	L661	G	0.455	0.446	0.446
Polk	1883	Johnston Properties, Inc	A415	G	0.137	0.179	0.179
Polk	1884	Tampa Electric Company	A415	G	0.030	0.154	0.154
Polk	1943	Thomas Thayer, Jr	A415	G	0.107	0.114	0.114
Polk	1955	Marianne Barwick	A415	G	0.079	0.119	0.119
Polk	1978	Atlantic Funding Ltd	A415	G	0.026	0.110	0.110
Polk	2003	Fresh Florida Oranges Inc	A415	G	0.113	0.158	0.158
Polk	2006	D.C. Cattle, Inc	A490	G	0.000	0.405	0.405
Polk	2047	Sun Grown Citrus LLC	A415	G	0.061	0.107	0.107
Polk	2057	Gabriel Groves, Inc	A415	G	0.042	0.091	0.091
Polk	2059	Dundee Property Holdings, LLC	A415	G	0.000	0.114	0.114

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	2063	Scott Stevenson	A415	G	0.310	0.215	0.215
Polk	2130	Fort Family Partneship, LTD	A415	G	0.021	0.098	0.098
Polk	2132	Flying V, Inc	A415	G	0.060	0.112	0.112
Polk	2146	Thelma C. Raley, Inc	A415	G	0.263	0.308	0.308
Polk	2147	Thelma C. Raley, Inc	A415	G	0.165	0.298	0.298
Polk	2438	Ben Hill Griffin, Inc	A415	G	0.124	0.115	0.115
Polk	2439	Lake McLeod, LLC	A495	G	0.013	0.184	0.184
Polk	2448	Ben Hill Griffin, Inc	A415	G	0.367	0.484	0.484
Polk	2466	Robert W Teston	A415	G	0.059	0.103	0.103
Polk	2470	Alico, Inc	A415	G	0.075	0.110	0.110
Polk	2501	Seibels Enterprises Inc	A415	G	0.174	0.227	0.227
Polk	2503	Estes Groves Inc	A415	G	0.204	0.180	0.180
Polk	2587	Flying V Inc	A415	G	0.131	0.176	0.176
Polk	2722	Hunt Bros., Inc	A415	G	0.072	0.092	0.092
Polk	2833	Valentin & Eduardo Eddie Badillo	A415	G	0.038	0.090	0.090
Polk	2834	Bartow Citrus Products, LLC	A485	G	0.000	0.394	0.009
Polk	2873	Cemex Construction Materials Florida, LLC	A415	G	0.346	1.073	0.990
Polk	2873	Cemex Construction Materials Florida, LLC	A415	S	0.000	1.073	0.990
Polk	2989	Sunshine Agriculture, Inc	A415	G	0.283	0.214	0.214
Polk	3004	Dennis Dicks	A415	G	0.000	0.093	0.093
Polk	3039	Mark Wheeler Groves Inc	A415	G	0.068	0.071	0.071
Polk	3040	Wheeler-Waverly Grove, LLC	A415	G	0.324	0.276	0.276
Polk	3072	KLM Farms, LLC	A415	G	0.000	0.062	0.062
Polk	3072	KLM Farms, LLC	A415	S	0.000	0.062	0.062
Polk	3074	Suncoast Builders of Bartow, LLC	A415	G	0.058	0.134	0.134
Polk	3147	Clear Springs Enterprises LLC	A535	G	0.079	0.478	0.180
Polk	3219	Gardinier Florida Citrus, Inc	A415	G	0.446	0.323	0.323
Polk	3238	Wheeler Farms, Inc	A415	G	0.047	0.092	0.092

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	3439	William M & Dixie L Lennon	A415	G	0.283	0.099	0.099
Polk	3439	William M & Dixie L Lennon	A415	S	0.000	0.099	0.099
Polk	3446	Holmes Gardens Associates Ltd	A415	G	0.055	0.068	0.068
Polk	3493	Tampa Electric Company	A415	G	0.000	0.230	0.230
Polk	3654	Imperial Polk Properties, Inc	A415	G	0.013	0.039	0.039
Polk	3675	Ow Hancock Lllp	A415	G	0.045	0.136	0.136
Polk	3731	Five Star Family Growers LLC	A480	G	0.077	0.461	0.461
Polk	3731	Five Star Family Growers LLC	A480	S	0.000	0.461	0.461
Polk	3734	Ben Hill Griffin, Inc	A415	G	0.173	0.168	0.168
Polk	3735	Lo Brothers Enterprises Inc	A415	G	0.201	0.325	0.325
Polk	3747	James L Schmidt Ii Trustee of The Fbjo Land Trust	A415	G	0.000	0.131	0.131
Polk	3806	Emery C Jr. and Vada E Etter	A415	G	0.161	0.107	0.107
Polk	3841	Sun Grown Citrus LLC	A415	G	0.009	0.026	0.026
Polk	3842	Sun Grown Citrus LLC	A415	G	0.984	1.304	1.304
Polk	3867	Ben Hill Griffin, Inc	A415	G	0.153	0.128	0.128
Polk	3946	Ellingson Groves, Inc	A415	G	0.076	0.079	0.079
Polk	3948	Ellingson Groves, Inc	A415	G	0.054	0.072	0.072
Polk	3962	Kyle R. & Marissa N. Story	A415	G	0.054	0.083	0.083
Polk	3963	CBM Groves Inc and Myers Grove Inc	A415	G	0.119	0.123	0.123
Polk	3972	Victor B Story Sr	A415	G	0.093	0.097	0.097
Polk	3984	Nola Land Company, Inc	A490	G	0.015	0.049	0.049
Polk	4002	Elizabeth W. Beck Credit Shelter Trust	A415	G	0.145	0.320	0.320
Polk	4026	Clay Cut LLC	A415	G	0.088	0.174	0.174
Polk	4045	Amelia Groves, LLC	A415	G	0.045	0.126	0.126
Polk	4074	Ward's Nursery, Inc	A415	G	0.091	0.138	0.138
Polk	4093	Ben Hill Griffin, Inc	A415	G	0.112	0.122	0.122
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	G	0.322	0.254	0.254
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	S	0.000	0.254	0.254

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	4105	Wheeler Farms, Inc	A415	G	0.073	0.208	0.208
Polk	4108	PH Citrus, LLC	A415	G	0.170	0.424	0.424
Polk	4123	Wheeler Farms, Inc	A445	G	0.261	0.279	0.279
Polk	4166	SR 544, LLC	A415	G	0.288	0.315	0.315
Polk	4177	Hunt Bros, Inc	A415	G	0.005	0.010	0.010
Polk	4236	Nola Land Company Inc	A415	G	0.000	0.107	0.107
Polk	4263	PH Citrus LLC	A415	G	0.000	0.276	0.276
Polk	4285	The Ridge Irrigation Cooperative	A415	G	0.232	0.178	0.178
Polk	4286	Faribault Groves Partners	A415	G	0.078	0.096	0.096
Polk	4301	Sun Grown Citrus LLC	A415	G	0.389	0.601	0.601
Polk	4328	G Stead Groves Inc	A415	G	0.097	0.128	0.128
Polk	4331	Wheeler Farms, Inc	A415	G	0.636	0.491	0.491
Polk	4341	Ben Hill Griffin, Inc	A415	G	0.082	0.081	0.081
Polk	4345	Dole Berry Company	A410	G	0.707	1.066	1.066
Polk	4376	Alcoma Caretaking LLC	A415	G	0.475	0.755	0.755
Polk	4377	H R Baxter & Sons Enterprises	A415	G	0.124	0.105	0.105
Polk	4424	Putnam Groves, Inc	A415	G	0.073	0.142	0.142
Polk	4432	Hunt Bros. Inc	A415	G	0.200	0.217	0.217
Polk	4497	Gapway Grove Corporation	A415	G	0.121	0.169	0.169
Polk	4516	Central Ridge Inc	A415	G	0.086	0.134	0.134
Polk	4532	Thomas A. Thayer Jr	A415	G	0.050	0.092	0.092
Polk	4551	Montanez Harvesting, Inc	A415	G	0.006	0.155	0.155
Polk	4551	Montanez Harvesting, Inc	A415	S	0.003	0.155	0.155
Polk	4558	Ben Hill Griffin, Inc	A415	G	0.236	0.357	0.357
Polk	4558	Ben Hill Griffin, Inc	A415	S	0.144	0.357	0.357
Polk	4559	Ben Hill Griffin, Inc	A415	G	1.015	0.807	0.807
Polk	4560	Ben Hill Griffin, Inc	A415	G	0.372	0.438	0.438
Polk	4563	Griffin Groves Inc	A415	G	0.138	0.148	0.148

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	4567	Ben Hill Griffin, Inc	A415	G	0.073	0.103	0.103
Polk	4628	Hunt Bros., Inc	A415	G	0.041	0.042	0.042
Polk	4629	Ronnie's Citrus, Inc	A415	G	0.052	0.070	0.070
Polk	4634	Hunt Bros Inc & CFM Inc & ENC Inc	A415	G	0.117	0.115	0.115
Polk	4766	Livingston Groves, LLC	A415	G	0.009	0.085	0.085
Polk	4810	Highland Sand, LLC	A415	G	0.340	0.424	0.424
Polk	4827	VLI Family Limited Partnership	A415	G	0.051	0.091	0.091
Polk	4831	Durrance and Sons LLC	A415	G	0.052	0.146	0.146
Polk	5008	Alico, Inc	A415	G	0.144	0.231	0.231
Polk	5010	Alico, Inc	A415	G	0.087	0.093	0.093
Polk	5011	Alico, Inc	A415	G	0.188	0.320	0.320
Polk	5013	Alico, Inc	A415	G	0.278	0.565	0.565
Polk	5013	Alico, Inc	A415	S	0.251	0.565	0.565
Polk	5014	Alico, Inc	A415	G	0.197	0.302	0.302
Polk	5014	Alico, Inc	A415	S	0.045	0.302	0.302
Polk	5015	Alico, Inc	A415	G	0.467	0.524	0.524
Polk	5016	Alico, Inc	A415	G	0.094	0.292	0.292
Polk	5016	Alico, Inc	A415	S	0.190	0.292	0.292
Polk	5019	Alico, Inc	A415	G	0.406	0.419	0.419
Polk	5062	Gardinier Florida Citrus, Inc	A415	G	0.215	0.307	0.307
Polk	5086	Vonann & Myers Groves Inc, Myers Fam Liv Trust	A415	G	0.273	0.404	0.404
Polk	5120	Emery C Jr. and Vada E Etter	A415	G	0.728	0.422	0.422
Polk	5123	Hunt Bros. Inc	A415	G	0.061	0.059	0.059
Polk	5125	Baneway Groves Inc	A415	G	0.013	0.081	0.081
Polk	5130	Betty Jane Fulton & Betty Jane Fulton Trust	A415	G	0.052	0.216	0.216
Polk	5296	Ben Hill Griffin, Inc	A415	G	0.095	0.102	0.102
Polk	5394	Lake Sawyer Properties, Inc	A415	G	0.046	0.105	0.105
Polk	5396	Crews Groves Inc & Mallory Enterprises Inc	A415	G	0.182	0.242	0.242

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	5414	Emery C. & Vada E. Etter	A415	G	0.045	0.107	0.107
Polk	5416	Emery Etter, Jr	A415	G	0.026	0.035	0.035
Polk	5450	Hunt Bros, Inc	A415	G	0.065	0.062	0.062
Polk	5476	C.F.M., Inc	A415	G	0.247	0.290	0.290
Polk	5480	Hunt Bros. Inc	A415	G	0.075	0.073	0.073
Polk	5481	Hunt Bros., Inc	A415	G	0.041	0.193	0.193
Polk	5482	Hunt Bros. Inc	A415	G	0.208	0.268	0.268
Polk	5483	Hunt Bros., Inc	A415	G	0.144	0.137	0.137
Polk	5486	Hunt Bros. Inc	A415	G	0.064	0.092	0.092
Polk	5571	734 LMC Groves, LLC	A415	G	0.147	0.221	0.221
Polk	5572	734 LMC Groves, LLC	A415	G	0.127	0.143	0.143
Polk	5584	Sun Grown Citrus LLC	A415	G	0.068	0.110	0.110
Polk	5610	Ben Hill Griffin, Inc	A415	G	0.037	0.082	0.082
Polk	5629	Davis Enterprises, Inc	A415	G	0.165	0.142	0.142
Polk	5635	Gardinier Florida Citrus, Inc	A415	G	0.069	0.315	0.315
Polk	5636	Griffin Family Limited Partnership	A415	G	0.190	0.191	0.191
Polk	5654	Doudney Investment Co	A415	G	0.059	0.105	0.105
Polk	5669	PH Citrus LLC	A415	G	0.021	0.061	0.061
Polk	5679	South Property Holdings, LLC	A415	G	0.016	0.094	0.094
Polk	5711	C. C. Calhoun, Inc	A415	G	0.038	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	0.277	0.334	0.334
Polk	6026	7L Camp Mack LLC	A415	G	0.654	1.448	1.448
Polk	6068	Rolling Meadow Ranch, Inc	A415	G	1.977	1.172	1.172
Polk	6128	Country Club of Lake Wales, Inc	A415	G	0.002	0.313	0.006
Polk	6268	Southern Citrus Nurseries, LLC	A415	G	0.152	0.148	0.148
Polk	6278	M and V, LLC	A480	G	0.079	0.124	0.124



## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	6280	Beck Agricultural Holdings, LLLP	A415	G	0.026	0.092	0.092
Polk	6344	Kathleen Saunders	A415	G	0.001	0.087	0.087
Polk	6468	Robert G Stokes, Stokes Groves Inc, JK Reddler LLC	A495	G	0.304	0.340	0.340
Polk	6481	John T. Perry II	A415	G	0.001	0.082	0.082
Polk	6558	Thayer Farms, Inc	A415	G	0.343	0.313	0.313
Polk	6633	Christina P. Hooker	A415	G	0.016	0.125	0.125
Polk	6633	Christina P. Hooker	A415	S	0.000	0.125	0.125
Polk	6670	Mosaic Fertilizer LLC	A415	G	0.334	0.425	0.425
Polk	6755	Chris & Minnie Ingram	A410	G	0.095	0.159	0.159
Polk	6878	Wheeler Farms, Inc	A415	G	0.067	0.077	0.077
Polk	6940	KLM Farms, LLC	A415	G	0.067	0.167	0.167
Polk	6995	Martin and Karen McKenna	A415	G	0.080	0.137	0.137
Polk	7024	Tastespire, Inc	A415	G	0.057	0.105	0.105
Polk	7053	Lake Hancock Partners LLLP	A415	G	0.094	0.271	0.271
Polk	7136	Davis Citrus, Inc	A415	G	0.082	0.135	0.135
Polk	7197	Douglas and Melanie Feek	A415	G	0.058	0.067	0.067
Polk	7199	South Orange Properties Llp	A415	G	0.086	0.118	0.118
Polk	7270	B & D LLC	A415	G	0.121	0.277	0.277
Polk	7409	M.F.F Operations, Inc	A415	G	0.038	0.143	0.143
Polk	7517	Ben Hill Griffin, Inc	A415	G	0.087	0.102	0.102
Polk	7548	Jonathan Maxcy Inc	A415	G	0.111	0.108	0.108
Polk	7570	Ambrose Grove LLC	A415	G	0.087	0.108	0.108
Polk	7573	Devane Citrus, Inc	A415	G	0.081	0.163	0.163
Polk	7654	Flying V, Inc	A415	G	0.088	0.130	0.130
Polk	7668	Ben Hill Griffin, Inc	A415	G	0.314	0.300	0.300
Polk	7670	734 LMC Groves, LLC	A415	G	0.750	0.906	0.906
Polk	7698	Ben Hill Griffin, Inc	A415	G	0.086	0.117	0.117
Polk	7789	Elliott Investments LLC	A490	G	0.044	0.150	0.150

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	7791	W. E. Green & Sons, Inc	A415	G	0.003	0.041	0.041
Polk	7796	Pat Wilson Inc	A490	G	0.077	0.166	0.166
Polk	7839	Griffin Family Limited Partnership	A415	G	0.115	0.103	0.103
Polk	7916	CG Citrus, LLC	A415	G	0.071	0.083	0.083
Polk	8096	Myers Groves, Inc	A415	G	0.182	0.209	0.209
Polk	8098	Myers Groves, Inc	A415	G	0.198	0.307	0.307
Polk	8099	The Parman Group, LLC	A56S	G	0.000	0.499	0.499
Polk	8119	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.015	0.170	0.170
Polk	8143	VLI Family Limited Partnership	A415	G	0.086	0.097	0.097
Polk	8206	Hazel Brannen	A415	G	0.112	0.102	0.102
Polk	8228	Ann W Jacob	A415	G	0.045	0.240	0.240
Polk	8261	734 LMC Groves, LLC	A415	S	0.064	0.059	0.059
Polk	8263	734 LMC Groves, LLC	A415	G	0.162	0.138	0.138
Polk	8295	Hermanns Real Estate Ventures, LLC	A410	G	0.163	0.360	0.360
Polk	8305	Ben Hill Griffin, Inc	A415	G	0.051	0.093	0.093
Polk	8357	B & B Assets, LLC	A415	G	0.013	0.101	0.101
Polk	8360	Lake Annie Grove LLC	A415	G	0.082	0.166	0.166
Polk	8367	A. Keith Davis	A415	G	0.010	0.119	0.119
Polk	8582	Thomas A. Thayer Jr	A415	G	0.026	0.097	0.097
Polk	8620	B L Lanier & Associates	A415	G	0.001	0.106	0.106
Polk	8635	Alturas Properties LLC	A415	G	0.013	0.077	0.077
Polk	8645	Imperial Tropicals, Inc	L661	G	0.091	0.174	0.174
Polk	8934	Ben Hill Griffin, Inc	A415	G	0.144	0.181	0.181
Polk	8978	Story Family Limited Partnership, LLLP	A415	G	0.005	0.103	0.103
Polk	9001	New Living Stones Inc	A415	G	0.000	0.085	0.085
Polk	9192	Bowen Bros Inc	A415	G	0.652	0.361	0.361
Polk	9419	Alico, Inc	A415	G	0.059	0.531	0.531
Polk	9419	Alico, Inc	A415	S	0.516	0.531	0.531

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	9704	Lakeland Farms, Inc	A410	G	0.121	0.285	0.285
Polk	9704	Lakeland Farms, Inc	A410	S	0.365	0.285	0.285
Polk	9806	Lake Hancock Partners, LLLP	A410	G	0.025	0.126	0.126
Polk	9864	J. Everett Allen & Sons, Inc	A415	G	0.015	0.158	0.158
Polk	9887	Ida Averett, Sam Averett and Suzzane Butner	A415	G	0.008	0.096	0.096
Polk	10096	Twenty Twenty Groves Inc	A415	G	0.700	0.626	0.626
Polk	10231	Morris Family Trust	A410	G	0.095	0.256	0.256
Polk	10575	Sunshine Growers Inc	A480	G	0.004	0.031	0.031
Polk	10598	Quality Turf LC	A525	G	0.358	0.392	0.392
Polk	10656	Stephen J. Fox, LLC	A590	G	0.041	0.120	0.116
Polk	10857	Burton Ranch, LLC	A415	G	0.099	0.053	0.053
Polk	10915	Stenger Holdings, Inc	A415	G	0.152	0.152	0.152
Polk	11031	Growers Investment Group, LLC	A415	G	0.153	0.166	0.166
Polk	11161	Ridge Investments, LLC	A415	G	0.060	0.091	0.091
Polk	11163	Emil Jahna	A415	G	0.094	0.100	0.100
Polk	11173	Rocker Farms Inc	A415	G	0.084	0.083	0.083
Polk	11176	Rocker Farms Inc	A415	G	0.079	0.074	0.074
Polk	11178	D&L Farms, Inc	A410	G	0.168	0.328	0.328
Polk	11209	Story Citrus, Inc	A415	G	0.129	0.182	0.182
Polk	11209	Story Citrus, Inc	A415	S	0.003	0.182	0.182
Polk	11219	Rolling Meadow Ranch Groves, LLC	A415	G	0.492	0.438	0.438
Polk	11229	Griffin Family Limited Partnership	A415	G	0.089	0.113	0.113
Polk	11297	Lake Isabell Partners	A415	G	0.170	0.169	0.169
Polk	11316	Livingston Groves, LLC	A415	G	0.001	0.078	0.078
Polk	11361	L & E, Inc	A415	G	0.047	0.061	0.061
Polk	11377	Norris Citrus Groves, Inc	A415	G	0.079	0.168	0.168
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	G	0.024	0.032	0.032
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	S	0.001	0.032	0.032

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	11533	Kathleen Farms, LLC	A535	G	0.011	0.147	0.147
Polk	11533	Kathleen Farms, LLC	A535	S	0.000	0.147	0.147
Polk	11630	Story Family Limited Partnership, LLLP	A415	G	0.146	0.144	0.144
Polk	11693	Brian S Dick	A485	G	0.013	0.176	0.017
Polk	11745	Edward S Weeks	A58S	G	0.001	0.053	0.053
Polk	11843	Family Acres, Inc	A415	G	0.064	0.162	0.162
Polk	11843	Family Acres, Inc	A415	S	0.003	0.162	0.162
Polk	11851	John L. Beck Living Trust	A415	G	0.041	0.143	0.143
Polk	11903	Hunt Bros. Inc	A415	G	0.005	0.008	0.008
Polk	12061	Hunt Bros. Inc	A415	G	0.131	0.112	0.112
Polk	12064	Hunt Bros. Inc	A415	G	0.003	0.037	0.037
Polk	12232	Citrosuco North America	A415	G	0.147	1.638	0.321
Polk	12392	PH Citrus LLC	A415	G	0.975	0.958	0.958
Polk	12446	C. C. Calhoun, Inc	A415	G	0.087	0.161	0.144
Polk	12459	Sara T. Lanier Revocable Living Trust	A415	G	0.000	0.140	0.140
Polk	12488	BT & JP James Land LLC	A410	G	0.250	0.305	0.305
Polk	12500	Rolling Meadow Ranch, Inc	A415	G	0.197	0.267	0.267
Polk	12504	Dennis Corbett	A415	G	0.000	0.114	0.114
Polk	12510	The Parman Group, LLC	A415	G	0.243	0.271	0.271
Polk	12574	Family Acres, Inc	A415	G	0.025	0.091	0.091
Polk	12637	Wheeler Farms, Inc	A415	G	0.148	0.139	0.139
Polk	12782	Standard Sand & Silica Company	A415	G	0.319	0.571	0.571
Polk	12782	Standard Sand & Silica Company	A415	S	0.062	0.571	0.571
Polk	12792	Quality Turf, LC	A525	G	0.044	0.198	0.198
Polk	12867	Clear Springs Enterprises LLC	A410	G	0.895	1.299	1.299
Polk	12867	Clear Springs Enterprises LLC	A410	S	0.259	1.299	1.299
Polk	12890	Heifer Hill, Inc	A415	G	0.069	0.145	0.145
Polk	13018	Ben Hill Griffin, III Family Limited Partnership, LLLP	A470	G	0.000	0.243	0.243

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Polk	13062	Sun Grown Citrus LLC	A415	G	0.151	0.247	0.247
Polk	13084	South Property Holdings, LLC	A490	G	0.022	0.123	0.123
Polk	13199	Imperial Polk Properties, Inc	A415	G	0.015	0.051	0.051
Polk	13201	PH Citrus LLC	A415	G	0.096	0.099	0.099
Polk	13221	Bowlegs Creek Groves, LLC	A415	G	0.000	0.066	0.066
Polk	13236	Nim Lithuel, LLC	A415	G	0.000	0.100	0.100
Polk	13342	Evans Ranch, LLC	A410	G	0.041	0.201	0.201
Polk	13342	Evans Ranch, LLC	A410	S	0.000	0.201	0.201
Polk	20069	Bethlehem Farms, LLC	A410	G	0.013	0.018	0.018
Polk	20205	David H. Grooms & Carl R. Grooms	A535	G	0.025	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	0.003	0.098	0.098
Polk	20440	Preferred Materials, Inc	A415	G	0.076	0.150	0.150
Polk	20553	C.W. Deen Family Farm, LLC	A410	G	0.007	0.205	0.205
Polk	20553	C.W. Deen Family Farm, LLC	A410	S	0.000	0.205	0.205
Polk	20601	John Stephens, Inc	A415	G	0.013	0.082	0.082
Polk	20613	Citrus Sinensis LLC	A415	G	0.027	0.042	0.042
Polk	20789	Nucor Steel Florida Inc	A415	G	0.049	0.467	0.467
<b>Polk County Totals</b>					<b>42.981</b>	<b>Metered, mgd</b>	
					<b>34.131</b>	<b>Estimated, 1,580 WUPs</b>	
					<b>77.112</b>	<b>Total, mgd</b>	
Sarasota	3755	Mabry Carlton Ranch Inc	A56S	G	0.061	4.190	4.190
Sarasota	3764	Longino Ranch, Inc	A525	G	0.090	1.219	1.219
Sarasota	3854	D Bar F Ranch	A490	G	0.000	0.099	0.099
Sarasota	3873	Schwartz Farms Inc	A56S	G	0.834	2.181	2.181
Sarasota	3890	Ibis Road Investors, LLC	A525	G	0.107	0.592	0.592
Sarasota	4087	L T Partners LLLP	A525	G	0.116	1.128	1.128
Sarasota	4387	Hi Hat Ranch LLLP	A56S	G	0.647	2.436	2.436

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
Sarasota	4387	Hi Hat Ranch LLLP	A56S	S	0.000	2.436	2.436
Sarasota	5544	3 H Ranch LLC	A490	G	0.000	0.277	0.277
Sarasota	6736	Hmta Real Estate LLC	A525	G	0.010	0.301	0.301
Sarasota	7289	High Acres, LLC	A450	G	0.063	0.333	0.333
Sarasota	7639	Windsong Farm, LLC	A485	G	0.000	0.217	0.217
Sarasota	7846	Schroeder-Manatee Ranch, Inc (Multi-County w Manatee)	A525	G	0.000	18.238	4.125
Sarasota	8226	Linvest Fruitvile, Ltd	A58H	G	0.000	0.370	0.370
Sarasota	8336	SMR Farms LLC	A50F	G	0.028	0.883	0.883
Sarasota	9361	Albritton Groves Ltd	A415	G	0.165	0.177	0.177
Sarasota	9638	McCann East, LP	A495	G	0.000	0.149	0.149
Sarasota	10458	KH Palmer Blvd, LLC	A490	G	0.000	0.183	0.183
Sarasota	12275	Mote Marine Laboratory, Inc	L632	G	0.003	0.155	0.154
Sarasota	12275	Mote Marine Laboratory, Inc	L632	S	0.000	0.155	0.154
Sarasota	12516	J. Kenneth Harrison	A525	G	0.011	0.553	0.553
Sarasota	20192	SRQ Land, LLC	A525	G	0.126	0.724	0.724
Sarasota	20253	Steven W. & Allison Flint	A470	G	0.058	1.189	1.189
<b>Sarasota County Totals</b>					<b>2.318</b>	<b>Metered, mgd</b>	
					<b>0.441</b>	<b>Estimated, mgd, 27 WUPs</b>	
					<b>2.759</b>	<b>Total, mgd</b>	
Sumter	2180	Sumter, LLC	A480	G	0.000	1.026	0.676
Sumter	3534	Florida Fish & Wildlife Cons Commission	L632	G	1.875	1.991	1.991
Sumter	6838	Florida Department of Corrections	A57F	G	0.010	0.458	0.014
Sumter	8211	Flowerwood Nursery, Inc	A480	G	0.194	0.575	0.575
Sumter	10519	Carriage Country, Appaloosa Acres, Derby Dreams	A480	G	0.200	0.746	0.746
Sumter	20281	TDM Enterprises, LLC	A525	G	0.009	0.509	0.509
Sumter	20511	Walton Acquisitions FL, LLC	A52S	G	0.001	0.718	0.718
<b>Sumter County Totals</b>					<b>2.288</b>	<b>Metered, mgd</b>	
					<b>4.703</b>	<b>Estimated, mgd, 109 WUPs</b>	

## 2018 ESTIMATED WATER USE REPORT

**Table A-7. 2018 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category <sup>4</sup>
<b>Sumter continued</b>					6.991	Total, mgd	
<b>District Totals</b>					<b>258.182</b>	<b>Metered, mgd</b>	
					<b>96.839</b>	<b>Estimated, mgd</b>	
					<b>355.021</b>	<b>Total, mgd</b>	

Notes:  
 Four Agricultural WUPs listed in Table A-7 above had a significant amount of withdrawals in multiple counties. The withdrawals were split among county totals in the report; therefore, summation discrepancies occur.

- WUP 2715 was split for Citrus use in both Polk (0.275 mgd) and Hardee (0.315 mgd) counties.
- WUP 3275 was split for Citrus between Charlotte (0.626 mgd) and DeSoto (0.524 mgd) counties.
- WUP 6915 was split for Citrus us in both Manatee (0.071 mgd) and DeSoto (0.020 mgd) counties.

Additional WUPs exist that have minor overlaps of county borders.

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

- 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>A425</i>	<i>Field Citrus Nursery</i>	<i>A460</i>	<i>Lawn &amp; Landscape Irrigation</i>
A402	<i>Spray Mix for Crops</i>	A430	Cover Crop	A465	Beans, Dry
A403	Biofuel Crops	A43F	Cucumbers	<i>A466</i>	<i>Beans, Green</i>
A405	Augmentation for Environmental	A43S	Cucumbers	<i>A470</i>	<i>Melons</i>
A406	Packaging	A445	Fruit trees other than citrus	A475	Nurseries
A410	Blueberries	<i>A44S</i>	<i>Cucumbers</i>	A480	Nursery, Container
<i>A415</i>	<i>Citrus</i>	A450	Corn, Feed	A485	Nursery, Field
A416	Citrus, Flatwood	A451	Corn, Silage	<i>A486</i>	<i>Caladiums</i>
A420	Container Citrus Nursery	A455	Grains, All	A487	Greenhouse Plants/Nursery

## 2018 ESTIMATED WATER USE REPORT

### Agricultural Use Codes Continued:

A490	Pasture	A530	Soybeans	A630	Celery
A491	Alfalfa	A535	Strawberries	A635	Eggplant
A495	Hay, Commercial	A540	Subtropical Fruits	A640	Okra (Non-Cover Crop)
A505	Peppers	A545	Sugarcane	A645	Personal Sanitary Use
A50F	Peppers	A550	Corn, Sweet	A646	Onions
A515	Potatoes	A56F	Tomatoes	A647	Fire Suppression
A51S	Peppers	A56S	Tomatoes	A650	Other (Non-Crop Miscellaneous)
A520	Research	A610	Broccoli	A651	Peas, Snow Peas
A525	Sod	A615	Cabbage Bok Choy	A655	Squash, Zucchini - (Non-Cover Crop)
A52F	Peanuts	A620	Carrots	A700	Other Crops/Plants
A52S	Peanuts	A625	Cauliflower	A705*	Dewatering to On-Site for Ag
				A706	Dewatering to Off-Site for Ag

\* Use A705 is excluded from the estimated water use query.

### 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	Cattle, Feedlot	L635	Horses	L720	In-field washing and packing
L606	Sheep	L650	Poultry/Turkeys	L725	Packaging
L610	Cattle, Pastured	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



## 2018 ESTIMATED WATER USE REPORT

**TABLE A-8. 2018 METERED + ESTIMATED AGRICULTURE MONTHLY AVERAGE WITHDRAWALS (MGD/MONTH) BY COUNTY**

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>*Charlotte</b>	12.178	9.545	15.189	20.244	8.361	1.544	4.159	8.011	1.499	8.767	8.794	7.007
<b>Citrus</b>	2.807	2.198	2.804	2.654	1.649	0.746	0.634	0.546	1.114	2.876	1.934	1.113
<b>Desoto</b>	93.096	68.300	95.115	102.305	56.741	16.144	8.265	8.692	34.473	83.200	58.814	33.461
<b>Hardee</b>	66.378	52.414	69.685	63.515	32.613	14.259	10.893	12.166	17.872	50.354	40.812	25.099
<b>Hernando</b>	3.234	2.458	3.168	2.926	1.560	0.390	0.213	0.234	0.747	3.208	2.074	1.031
<b>*Highlands</b>	49.298	52.955	60.031	56.870	35.588	20.577	23.999	29.532	29.760	56.003	47.494	31.682
<b>Hillsborough</b>	86.251	53.814	67.799	53.615	38.614	16.466	12.264	9.651	29.731	124.741	50.864	24.904
<b>*Lake</b>	1.983	1.252	1.592	1.797	0.724	0.184	0.189	0.087	0.322	1.307	1.125	0.508
<b>*Levy</b>	7.061	6.598	9.293	9.724	8.031	8.883	5.317	4.880	3.075	22.959	6.122	3.038
<b>Manatee</b>	86.681	79.465	84.271	92.780	64.252	24.254	17.138	11.903	35.995	78.067	71.889	33.032
<b>*Marion</b>	6.205	5.274	6.764	6.327	3.519	0.902	0.347	0.440	1.651	6.503	4.703	2.471
<b>Pasco</b>	11.487	8.483	10.455	9.055	5.031	1.905	1.367	1.438	2.819	9.436	6.203	3.046
<b>Pinellas</b>	0.004	0.003	0.003	0.003	0.002	0.047	0.000	0.017	0.001	0.004	0.020	0.001
<b>*Polk</b>	121.319	97.568	123.639	120.569	63.038	33.611	31.667	41.128	44.197	121.887	87.733	42.778
<b>Sarasota</b>	2.849	4.481	5.274	5.769	2.779	2.616	0.674	0.648	1.408	2.677	2.065	1.881
<b>Sumter</b>	9.369	9.079	10.341	9.955	5.682	3.245	5.381	3.412	4.034	11.023	7.770	4.616
<b>District Total</b>	560.2	453.885	565.421	558.11	328.183	145.773	122.506	132.785	208.696	583.01	398.417	215.668
<b>Groundwater</b>	539.515	433.403	543.432	540.892	316.951	138.64	116.179	125.912	199.423	555.751	380.986	205.117
<b>Surface Water</b>	20.684	20.481	21.989	17.218	11.232	7.133	6.327	6.873	9.274	27.259	17.431	10.551

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

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

## 2018 ESTIMATED WATER USE REPORT

**Table A-9. 2018 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category <sup>4</sup>
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
<b>Charlotte County Totals</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.195</b>	<b>Estimated, mgd, 18 WUPs</b>	
					<b>0.195</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Citrus County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.064</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.064</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in DeSoto County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.008</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.008</b>	<b>Total, mgd</b>	
Hardee	3669	Mosaic Fertilizer LLC	M940	G	0.012	6.392	6.392
Hardee (Multi-County)	11400	Mosaic Fertilizer, LLC	M940	G	1.033	69.6	44.388
Hardee (Multi-County)	11400	Mosaic Fertilizer, LLC	M940	S	0.254	69.6	44.388
<b>Hardee County Totals</b>					<b>1.299</b>	<b>Metered, mgd</b>	
					<b>0</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>1.299</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Hernando County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.028</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>0.028</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Highlands County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.012</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.012</b>	<b>Total, mgd</b>	
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
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	M976	S	0	0.159	0.017

## 2018 ESTIMATED WATER USE REPORT

**Table A-9. 2018 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category <sup>4</sup>
Hillsborough (Multi-County) <sup>5</sup>	11400	Mosaic Fertilizer, LLC	M940	G	7.122	69.600	44.388
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	20585	Loop Range 21 Realty, LLC	M976	G	0.023	1.907	0.08
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	S	0	1.907	0.08
<b>Hillsborough County Totals</b>					<b>7.146</b>	<b>Metered, mgd</b>	
					<b>0.088</b>	<b>Estimated, mgd, 7 WUPs</b>	
					<b>7.234</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Lake County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>0</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Levy County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0</b>	<b>Estimated, mgd, 1 WUP</b>	
					<b>0</b>	<b>Total, mgd</b>	
Manatee	4309	CC Manatee Development LLC	M976	G	0.001	0.624	0.009
Manatee	4309	CC Manatee Development LLC	M976	S	0.000	0.624	0.009
Manatee	11019	Old Florida Investments, Inc	M976	G	0.031	1.539	0.069
Manatee	11019	Old Florida Investments, Inc	M976	S	0.000	1.539	0.069
Manatee	11400	Mosaic Fertilizer, LLC	M940	G	4.011	69.600	44.388
<b>Manatee County Totals</b>					<b>4.044</b>	<b>Metered, mgd</b>	
					<b>0.073</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>4.117</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Marion County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.019</b>	<b>Estimated, mgd, 2 WUP</b>	
					<b>0.019</b>	<b>Total, mgd</b>	
Pasco	13170	Angelo's Aggregate Materials Ltd.	M976	G	0.001	0.579	0.004
<b>Pasco County Totals</b>					<b>0.001</b>	<b>Metered, mgd</b>	

## 2018 ESTIMATED WATER USE REPORT

**Table A-9. 2018 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category <sup>4</sup>
<b>Pasco continued</b>					<b>0.056</b>	<b>Estimated, mgd, 5 WUPs</b>	
					<b>0.057</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Pinellas County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>0</b>	<b>Total, mgd</b>	
Polk	1356	Preferred Materials Inc	M960	G	0.216	0.491	0.491
Polk	2873	Cemex Const Materials Florida, LLC	M976	G	0.029	1.073	0.083
Polk	2873	Cemex Const Materials Florida, LLC	M976	S	0.000	1.073	0.083
Polk (Multi-County) <sup>5</sup>	11400	Mosaic Fertilizer, LLC	M940	G	6.178	69.600	44.388
Polk	12076	Cemex Const Materials Florida, LLC	M976	G	0.002	0.097	0.046
Polk	12076	Cemex Const Materials Florida, LLC	M976	S	0.000	0.097	0.046
Polk	12755	Cemex Const Materials Florida, LLC	M960	G	0.070	0.198	0.198
Polk	12755	Cemex Const Materials Florida, LLC	M960	S	0.000	0.198	0.198
<b>Polk County Totals</b>					<b>6.495</b>	<b>Metered, mgd</b>	
					<b>0.112</b>	<b>Estimated, mgd, 8 WUPs</b>	
					<b>6.607</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering water use permits in Sarasota County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.004</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.004</b>	<b>Total, mgd</b>	
Sumter	12885	Suwannee American Cement Company	M976	G	0.015	0.443	0.099
<b>Sumter County Totals</b>					<b>0.016</b>	<b>Metered, mgd</b>	
					<b>0.154</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>0.170</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>19.001</b>	<b>Metered, mgd</b>	
					<b>0.813</b>	<b>Estimated, mgd</b>	
					<b>19.814</b>	<b>Total, mgd</b>	

Source: WMIS database, 2018. Totals were calculated using raw data, which may create minor rounding discrepancies.

## 2018 ESTIMATED WATER USE REPORT

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.

## 2018 ESTIMATED WATER USE REPORT

**Table A-10. 2018 Metered + Estimated Mining/Dewatering Monthly Average Withdrawals (mgd/month)**

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>*Charlotte</b>	0.203	0.186	0.185	0.204	0.201	0.187	0.169	0.187	0.192	0.195	0.249	0.194
<b>Citrus</b>	0.070	0.061	0.061	0.069	0.069	0.065	0.054	0.067	0.063	0.055	0.078	0.052
<b>Desoto</b>	0.007	0.007	0.006	0.006	0.007	0.007	0.007	0.006	0.007	0.009	0.010	0.010
<b>Hardee</b>	0.980	0.080	0.006	0.006	0.006	0.011	0.006	0.019	0.001	0.001	0.000	0.001
<b>Hernando</b>	0.039	0.032	0.037	0.034	0.025	0.016	0.016	0.014	0.019	0.039	0.035	0.027
<b>*Highlands</b>	0.010	0.010	0.010	0.010	0.010	0.010	0.011	0.010	0.011	0.013	0.016	0.016
<b>Hillsborough</b>	19.979	10.946	11.443	5.536	5.905	4.410	4.898	4.626	4.246	4.780	3.155	6.865
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Manatee</b>	4.966	4.668	4.445	3.838	3.815	4.845	2.749	3.568	3.422	4.014	4.024	5.088
<b>*Marion</b>	0.023	0.020	0.018	0.019	0.021	0.020	0.020	0.020	0.014	0.017	0.020	0.019
<b>Pasco</b>	0.067	0.061	0.056	0.057	0.062	0.058	0.058	0.057	0.039	0.051	0.061	0.053
<b>Pinellas</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Polk</b>	22.505	2.569	4.666	8.326	10.416	6.442	8.645	11.687	8.011	9.898	7.736	5.296
<b>Sarasota</b>	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004	0.004	0.005	0.006	0.006
<b>Sumter</b>	0.189	0.188	0.153	0.168	0.189	0.182	0.177	0.174	0.130	0.154	0.177	0.150
<b>District Total</b>	49.042	18.832	21.090	18.276	20.729	16.257	16.813	20.439	16.159	19.232	15.567	17.777
<b>Groundwater</b>	48.204	17.553	19.497	17.563	19.682	15.570	16.187	19.749	15.531	18.594	14.748	17.141
<b>Surface Water</b>	0.838	1.279	1.593	0.713	1.047	0.687	0.626	0.690	0.628	0.638	0.819	0.636

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

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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.

## 2018 ESTIMATED WATER USE REPORT

**Table A-11. 2018 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
<b>There were no metered industrial/commercial water use permits in Charlotte County</b>					<b>0.001</b>	<b>Metered, mgd</b>	
					<b>0.03</b>	<b>Estimated, mgd, 7 WUPs</b>	
					<b>0.031</b>	<b>Total, mgd</b>	
Citrus	207	City of Crystal River	1840	G	0.004	0.919	0.005
Citrus	3672	Florida Power Corp Db a Duke Energy	1860	G	2.742	5.309	5.309
Citrus	11281	Metal Industries, Inc	1705	G	0.092	0.220	0.220
Citrus	20299	Heatherwood Investments, LLC	1735	G	0.001	0.077	0.077
Citrus	20362	United States Gypsum Company	1500	G	0.000	0.397	0.397
<b>Citrus County Totals</b>					<b>2.841</b>	<b>Metered, mgd</b>	
					<b>0.065</b>	<b>Estimated, mgd, 10 WUPs</b>	
					<b>2.906</b>	<b>Total, mgd</b>	
DeSoto	70	Peace River Citrus Products Inc	1765	G	0.266	0.400	0.400
DeSoto	6841	Desoto County BOCC	1840	G	0.397	0.822	0.822
<b>DeSoto County Totals</b>					<b>0.663</b>	<b>Metered, mgd</b>	
					<b>0.082</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.745</b>	<b>Total, mgd</b>	
Hardee	9731	Hardee Power Partners	1725	G	1.821	3.800	3.800
Hardee	12048	Vandolah Power Company LLC	1425	G	0.026	0.212	0.212
Hardee	12331	Classic Caladiums Inc & Smoak Groves Inc	1805	G	0.038	0.929	0.086
Hardee	13158	Mooney Family, LLC	1735	G	0.000	0.449	0.449
<b>Hardee County Totals</b>					<b>1.885</b>	<b>Metered, mgd</b>	
					<b>0.057</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>1.942</b>	<b>Total, mgd</b>	
Hernando	2286	Cemex Inc	1740	G	0.382	2.716	2.716
Hernando	7015	Florida Power Development, LLC	1447	G	4.632	5.410	5.410
<b>Hernando County Totals</b>					<b>5.014</b>	<b>Metered, mgd</b>	
					<b>0.033</b>	<b>Estimated, mgd, 5 WUPs</b>	
					<b>5.047</b>	<b>Total, mgd</b>	

## 2018 ESTIMATED WATER USE REPORT

**Table A-11. 2018 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
Highlands	4086	Sun Pure Holding, LLC	I760	G	0	0.087	0.036
<b>Highlands County Totals</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.081</b>	<b>Estimated, mgd, 11 WUPs</b>	
					<b>0.081</b>	<b>Total, mgd</b>	
Hillsborough	148	Yuengling Brewing Co of Tampa Inc	I513	G	0.366	0.666	0.666
Hillsborough	229	RCCI (Red Chamber Co Inc)	I830	G	0.184	0.214	0.214
Hillsborough	405	Tampa Seaboard, LLC	I501	G	0.000	0.100	0.100
Hillsborough	1415	Mosaic Fertilizer, LLC	I835	G	2.460	4.240	4.240
Hillsborough	1415	Mosaic Fertilizer, LLC	I835	S	0.000	4.240	4.240
Hillsborough	1532	Mosaic Fertilizer, LLC	I755	G	0.006	5.985	5.970
Hillsborough	1532	Mosaic Fertilizer, LLC	I755	S	2.463	5.985	5.970
Hillsborough	1960	University Of South Florida	I840	G	1.145	2.364	1.404
Hillsborough	1960	University of South Florida	I840	S	0.003	2.364	1.404
Hillsborough	2045	Midway Investment Company, Inc	I840	G	0.000	0.306	0.001
Hillsborough	2045	Midway Investment Company, Inc	I840	S	0.000	0.306	0.001
Hillsborough	3050	Tampa Port Services	I408	G	0.000	4.250	4.250
Hillsborough	3055	Speedling, Inc	I500	G	0.001	0.302	0.006
Hillsborough	3118	Kerry I & F Contracting Co	I800	G	1.939	3.050	3.050
Hillsborough	3742	Paradise, Inc	I511	G	0.115	0.228	0.228
Hillsborough	6233	Tampa Electric Company	I863	G	0.000	0.234	0.234
Hillsborough	7586	Dover RE Holdings, LLC	I519	G	0.000	0.106	0.072
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	I477	G	0.000	0.027	0.001
Hillsborough	9658	Keel Farms, Inc	I420	G	0.002	0.069	0.005
Hillsborough (Multi-County)	11400	Mosaic Fertilizer, LLC	I835	G	0.012	69.600	25.212
Hillsborough	11181	Del Monte Fresh Production, Inc	I840	G	0.001	1.591	0.004
Hillsborough	11576	Tampa Electric Company	I472	G	0.001	0.100	0.100



## 2018 ESTIMATED WATER USE REPORT

**Table A-11. 2018 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
Hillsborough	11986	St Joseph's Hospital, Inc	1400	G	0.111	0.192	0.192
Hillsborough	13131	St. Joseph's Health Care Center, Inc	1477	G	0.001	0.006	0.006
Hillsborough	13228	Mosaic Fertilizer, LLC	1720	G	0.428	4.250	4.250
Hillsborough	20215	Trademark Nitrogen, Corp	1805	G	0.190	0.206	0.206
<b>Hillsborough County Totals</b>					<b>9.430</b>	<b>Metered, mgd</b>	
					<b>0.282</b>	<b>Estimated, mgd, 43 WUPs</b>	
					<b>9.712</b>	<b>Total, mgd</b>	
<b>There were no industrial/commercial water use permits in Lake County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>0</b>	<b>Total, mgd</b>	
<b>There were no metered industrial/commercial water use permits in Levy County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.004</b>	<b>Estimated, mgd, 7 WUPs</b>	
					<b>0.004</b>	<b>Total, mgd</b>	
Manatee	5302	Florida Power & Light Company, Manatee Plant	1861	S	9.162	8.519	8.519
Manatee	5423	Florida Power & Light Company	1770	G	0.019	0.435	0.073
Manatee	12413	Waste Management Inc. of Florida	1805	G	0.000	0.135	0.135
Manatee	12413	Waste Management Inc. of Florida	1805	S	0	0.135	0.135
Manatee	20198	Lockheed Martin Corporation	1705	G	0.217	0.411	0.411
<b>Manatee County Totals</b>					<b>9.397</b>	<b>Metered, mgd</b>	
					<b>0.088</b>	<b>Estimated, mgd, 13 WUPs</b>	
					<b>9.485</b>	<b>Total, mgd</b>	
<b>There were no metered industrial/commercial water use permits in Marion County</b>					<b>0.001</b>	<b>Metered, mgd</b>	
					<b>0.009</b>	<b>Estimated, mgd, 2 WUP</b>	
					<b>0.010</b>	<b>Total, mgd</b>	
Pasco	451	Tanler Water Company	1805	G	0.161	3.514	3.514
Pasco	9087	Pasco County Utilities	1780	G	0.09	0.72	0.72
Pasco	9132	Crystal Springs Preserve Inc	1735	G	0	0.757	0.757

## 2018 ESTIMATED WATER USE REPORT

**Table A-11. 2018 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
Pasco	9132	Crystal Springs Preserve Inc	I735	S	0.591	0.757	0.757
Pasco	10413	Quantum Pasco Power LP	I861	G	0.079	0.762	0.762
Pasco	10772	Duke Energy Florida, LLC	I865	G	0.209	0.288	0.288
Pasco	11913	Heritage Springs Comm Assoc, Inc	I810	G	0.053	0.429	0.061
Pasco	12052	Shady Hills Power Company, LLC	I425	G	0.001	0.154	0.154
Pasco	12784	Order of Saint Benedict of Florida	I477	G	0.003	0.143	0.012
<b>Pasco County Totals</b>					<b>1.188</b>	<b>Metered, mgd</b>	
					<b>0.034</b>	<b>Estimated, mgd, 11 WUPs</b>	
					<b>1.222</b>	<b>Total, mgd</b>	
Pinellas	10646	Olympia Investment Group, LLC & SHS Resort, LLC	I405	G	0.051	0.040	0.036
Pinellas	13276	John Hopkins All Children's Hospital Inc	I700	G	0.001	0.112	0.112
Pinellas	20254	Electronic Comm Inc.	I805	G	0.065	0.230	0.230
<b>Pinellas County Totals</b>					<b>0.117</b>	<b>Metered, mgd</b>	
					<b>0.035</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>0.152</b>	<b>Total, mgd</b>	
Polk	47	City of Lakeland	I435	G	1.011	2.592	2.592
Polk	47	City of Lakeland	I435	S	0.000	2.592	2.592
Polk	225	Interstate Commerce Park One, LLC	I502	G	0.038	0.084	0.084
Polk	260	Caribbean Distillers, LLC	I800	G	0.000	0.112	0.112
Polk	261	Hackl Enterprises, LLC	I429	G	0.001	0.143	0.143
Polk	295	City of Lakeland	I780	S	0.105	0.415	0.415
Polk	408	Citrus World, Inc	I765	G	1.308	2.139	2.139
Polk	438	U.S. Agri-Chemicals Corp	I835	G	5.533	6.242	6.242
Polk	440	U.S. Agri-Chemicals Corp	I859	G	0.000	0.063	0.063
Polk	493	Cutrale Citrus Juices USA Inc	I765	G	0.911	2.500	2.500
Polk	610	Mosaic Fertilizer, LLC	I835	G	0.699	1.665	1.665
Polk	2834	Bartow Citrus Products, LLC	I765	G	0.018	0.394	0.385

## 2018 ESTIMATED WATER USE REPORT

**Table A-11. 2018 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
Polk	3147	Clear Springs Enterprises LLC	I511	G	0.131	0.478	0.298
Polk	3150	Kc Industries LLC & Kc Industries Properties LLC	I423	G	0.001	0.192	0.141
Polk	3641	AOC, LLC	I780	G	0.022	0.601	0.601
Polk	5798	Publix Super Markets Inc	I412	G	1.009	1.441	1.441
Polk	5798	Publix Super Markets Inc	I412	S	0.011	1.441	1.441
Polk	8753	GCP Plantation Landings, LLC	I478	G	0.012	0.070	0.013
Polk	10347	Caribbean Distillers, LLC	I800	G	0.260	0.300	0.300
Polk	10555	Caribbean Distillers, LLC	I780	G	0.338	0.377	0.377
Polk	10604	Auburndale Peaker Energy Center, LLC	I861	G	0.001	1.326	1.326
Polk	10631	Wheelabrator Ridge Energy, Inc	I861	G	0.482	0.875	0.875
Polk	10700	Polk Power Partners LP	I861	G	0.342	0.761	0.761
Polk	10770	Refresco Florida, Inc	I420	G	0.537	0.900	0.900
Polk	10840	Duke Energy & U.S. Agri-Chemicals Corp	I861	G	0.885	1.700	1.700
Polk	10944	Duke Energy Florida	I861	G	0.851	17.500	17.500
Polk	10948	Orange Cogeneration Limited Partnership	I860	G	0.324	0.660	0.660
Polk	11400	Mosaic Fertilizer, LLC (Multi-County w Sarasota)	I835	G	14.168	69.600	25.212
Polk	11400	Mosaic Fertilizer, LLC	I835	S	0.000	69.600	25.212
Polk	11747	Tampa Electric Company	I863	G	0.672	4.300	4.300
Polk	12054	Duke Energy Florida	I861	G	1.246	2.742	2.742
Polk	12076	Cemex Construction Materials Florida, LLC	I745	G	0.002	0.097	0.050
Polk	12076	Cemex Construction Materials Florida, LLC	I745	S	0.000	0.097	0.050
Polk	12232	Citrosuco North America	I765	G	0.602	1.638	1.317
Polk	12794	Sofidel America, Inc	I800	G	0.141	0.324	0.324
Polk	12867	Clear Springs Enterprises LLC	I840	G	0.000	1.299	0.000
Polk	12867	Clear Springs Enterprises LLC	I840	S	0.000	1.299	0.000
Polk	13068	GrowHealthy Properties, LLC	I755	G	0.001	0.036	0.036

## 2018 ESTIMATED WATER USE REPORT

**Table A-11. 2018 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
Polk	13240	Mizkan America Inc	I800	G	0.035	0.049	0.049
<b>Polk County Totals</b>					<b>31.696</b>	<b>Metered, mgd</b>	
					<b>0.643</b>	<b>Estimated, mgd, 67 WUPs</b>	
					<b>32.339</b>	<b>Total, mgd</b>	
Sarasota	7448	SNF Property LLC	I840	G	0.057	0.186	0.165
<b>Sarasota County Totals</b>					<b>0.058</b>	<b>Metered, mgd</b>	
					<b>0.113</b>	<b>Estimated, mgd, 9 WUPs</b>	
					<b>0.171</b>	<b>Total, mgd</b>	
Sumter	2180	Sumter, LLC	I735	G	0	1.026	0.350
Sumter	6838	Florida Department of Corrections	I840	G	0.332	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	0.000	0.049	0.049
Sumter	12885	Suwannee American Cement Company, LLC	I740	G	0.053	0.443	0.344
Sumter	13111	William Farkus Rev Living Trust	I735	G	0.028	0.496	0.496
<b>Sumter County Totals</b>					<b>0.42</b>	<b>Metered, mgd</b>	
					<b>0.254</b>	<b>Estimated, mgd, 16 WUPs</b>	
					<b>0.674</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>62.711</b>	<b>Metered, mgd</b>	
					<b>1.81</b>	<b>Estimated, mgd</b>	
					<b>64.521</b>	<b>Total, mgd</b>	

Source: District WMIS database, 2018. 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.
- 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.

## 2018 ESTIMATED WATER USE REPORT

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

1412	Cleaning and Maintenance	1701*	Closed Loop Heating and Cooling	1815	Lime Processing (Food, Fertilizer, etc.)
1423	Emission Control	1705	Aquifer Remediation	1820	Meat Packing
1425	Emission Control	1706	Water Well Contracting	1825*	Non-Power-Plant Non-Consumptive Cooling
1447	Power Plant Cooling Water Makeup	1710	Asphalt Manufacturing	1830	Perishable Food Processing
1467	Any Other Water Uses Not Listed	1720	Augmentation for Environmental	1835	Phosphate Chemical Processing
1468	Air Conditioning/Chillers	1725	Non-Power-Plant Boiler Makeup-Water	1840	Personal Sanitary Use
1469	Animals	1730	Non-Power Boiler Pollution Control	1841	Portable Use for Institutions
1470	Animal Watering	1735	Bottled Water	1845	Refrigeration
1471	Aquatic Habitat Fill	1736	Biofuels	1850	Truck Crop Packing
1472	Aquatic Habitat Water Change	1740	Cement Manufacturing	1855	Water Well Contracting
1473	Aquatic Habitat Water Replacement	1745	Cement or Cement Batch Plants	1856*	Reuse Water Quantities Received
1474	Augmentation for Aesthetic	1750	Cements or Cement Products	1857*	Reuse Water Quantities Used
1475	Fire Protection/Testing	1755	Chemical Manufacturing	1858	Water Used for Construction Purposes (Temp.)
1476	Lawn & Landscape Irrigation	1760	Citrus Packing	1859	Phosphate Gypsum Stack Closure
1477	Personal Sanitary Use	1765	Citrus Processing	1860	Power Plant Emission Control
1503	Evaporative Cooling	1770	Cleaning & Maintenance	1861	Power Plant Closed Cycle Steam Cooling
1504	Product Content	1775	Commercial Use (Car Washes, Laundry)	1862	Power Plant Once-Through Steam Cooling
1510	Product Washing	1780	Consumptive Cooling of Product	1863	Power Plant Boiler Feed and Makeup Water
1511	Product Mixing and Dilution	1785	Dilution	1864	Power Plant Personal/Sanitary
1512	Product Washing	1795	Fire Protection and Testing	1865	Power Plant Industrial-Other
1513	Process Water	1800	General Product Manufacturing	1866*	Power Plant Seawater Cooling
1519	Washing	1805	Industrial Other Uses	1867	Refrigeration
1700	Air Conditioning	1810	Lawn & Landscape Irrigation	1868	Any Other Water Uses Not Listed

\*Uses 1701, 1825, 1856, 1857, and 1866 are excluded from the estimated water use query.

## 2018 ESTIMATED WATER USE REPORT

**Table A-12. 2018 Metered + Estimated Industrial/Commercial Monthly Average Withdrawals (mgd/month)**

<b>County</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>Jun</b>	<b>Jul</b>	<b>Aug</b>	<b>Sep</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>
<b>*Charlotte</b>	0.038	0.034	0.038	0.037	0.029	0.022	0.022	0.020	0.027	0.035	0.032	0.026
<b>Citrus</b>	3.021	3.263	2.014	2.599	3.008	3.248	2.683	3.696	3.096	3.583	2.244	2.407
<b>Desoto</b>	0.916	0.723	0.954	0.974	0.742	0.648	0.687	0.653	0.640	0.554	0.696	0.748
<b>Hardee</b>	2.096	2.094	2.513	1.738	2.351	1.215	1.584	1.667	1.940	2.427	2.376	1.295
<b>Hernando</b>	4.196	6.574	4.210	4.917	4.805	5.192	4.791	5.388	5.394	5.591	3.666	5.847
<b>*Highlands</b>	0.087	0.091	0.103	0.104	0.078	0.054	0.065	0.064	0.077	0.078	0.097	0.066
<b>Hillsborough</b>	17.047	8.618	10.859	10.127	13.948	8.623	6.792	7.841	8.442	8.192	8.451	7.605
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0.005	0.004	0.005	0.005	0.004	0.004	0.004	0.003	0.004	0.004	0.004	0.004
<b>Manatee</b>	0.351	0.332	0.408	14.488	33.487	10.538	26.174	22.463	4.654	0.316	0.301	0.313
<b>*Marion</b>	0.010	0.010	0.010	0.010	0.009	0.009	0.009	0.008	0.010	0.009	0.010	0.009
<b>Pasco</b>	0.930	1.645	1.004	1.781	1.182	1.155	1.117	1.423	1.055	0.962	1.034	1.373
<b>Pinellas</b>	0.132	0.136	0.137	0.157	0.154	0.148	0.145	0.176	0.178	0.154	0.138	0.168
<b>*Polk</b>	46.060	26.546	31.363	29.086	32.331	28.055	28.047	28.444	27.837	29.784	24.788	27.667
<b>Sarasota</b>	0.126	0.131	0.149	0.153	0.114	0.122	0.164	0.176	0.214	0.188	0.275	0.229
<b>Sumter</b>	0.652	0.758	0.674	0.705	0.745	0.771	0.736	0.729	0.724	0.660	0.707	0.222
<b>District Total</b>	75.667	50.959	54.441	66.881	92.987	59.804	73.020	72.751	54.292	52.537	44.819	47.979
<b>Groundwater</b>	72.280	47.384	50.464	49.663	55.922	46.054	44.460	47.807	46.749	49.106	41.868	44.630
<b>Surface Water</b>	3.387	3.575	3.977	17.218	37.065	13.750	28.560	24.944	7.543	3.431	2.951	3.349

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

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

## 2018 ESTIMATED WATER USE REPORT

**Table A-13. 2018 Permitted and Withdrawn Quantities for Institutional and "Other" WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
Charlotte	11792	Charlotte County School Board	N485	G (est.)	0.025	0.027	0.027
<b>Charlotte County Totals</b>					<b>0.025</b>	<b>Total, mgd</b>	
Citrus	7823	College of Central Florida	N484	G (est.)	0.010	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.)	0.003	0.003	0.003
<b>Citrus County Totals</b>					<b>0.014</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in DeSoto County</b>							
<b>There were no Institutional or "Other" WUPs in Hardee County</b>							
<b>There were no Institutional or "Other" WUPs in Hernando County</b>							
Highlands	9144	Highlands County School Board	N484	G (est.)	0.014	0.015	0.015
Highlands	9494	Highlands County School Board	N485	G (est.)	0.009	0.010	0.010
Highlands	10569	Highlands County School Board	N484	G (est.)	0.012	0.013	0.013
<b>Highlands County Totals</b>					<b>0.035</b>	<b>Total, mgd</b>	
Hillsborough	354	Pinellas County Utilities Dept	0508	G (metered)	0	0.325	0.325
Hillsborough	6580	Hillsborough Co Bocc Fire Rescue	N499	G (est.)	0.001	0.001	0.001
Hillsborough	8066	First United Methodist Church of Lutz, Inc	N484	G (est.)	0.003	0.003	0.003
Hillsborough	8717	Hillsborough Co School Board	N499	G (metered)	0.006	0.023	0.017
Hillsborough	8722	Hillsborough Co School Board	N499	G (est.)	0.022	0.027	0.024
Hillsborough	10977	Florida Dept of Juvenile Justice	N499	G (est.)	0.004	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.)	0.001	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 (est.)	0	2.071	2.071
<b>Hillsborough County Totals</b>					<b>0.036</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in Lake County</b>							
<b>There were no Institutional or "Other" WUPs in Levy County</b>							
<b>There were no Institutional or "Other" WUPs in Manatee County</b>							

## 2018 ESTIMATED WATER USE REPORT

**Table A-13. 2018 Permitted and Withdrawn Quantities for Institutional and “Other” WUPs (mgd)**

County	WUP Number	Permittee	Use Code <sup>1</sup>	Source <sup>2</sup>	Annual Average Use <sup>3</sup>	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category <sup>4</sup>
<b>There were no Institutional or "Other" WUPs in Marion County</b>							
Pasco	2296	Saint Leo University, Inc	N499	G (metered)	0.161	0.243	0.243
Pasco	4986	Pasco County School Board (Pasco High School)	N485	G (est.)	0.012	0.013	0.013
Pasco	11127	Tampa Bay Water	O508	G (metered)	0.136	0.498	0.498
Pasco	11129	Tampa Bay Water	O508	G (metered)	0	0.416	0.416
Pasco	20500	Barthle Brothers Ranch, LLC	O508	G (metered)	0	1.54	1.54
<b>Pasco County Totals</b>					<b>0.309</b>	<b>Total, mgd</b>	
Pinellas	20775	Trustees of Mease Hospital, Inc	N486	G (est.)	0	0.006	0.006
<b>Pinellas County Totals</b>					<b>0</b>	<b>Total, mgd</b>	
Polk	494	Florida Dept of Corrections	N499	G (metered)	0.140	0.253	0.253
Polk	3821	U.S. Chelonian Breeding & Research Center, Inc & Michael Frewer	O509	G (est.)	0.085	0.222	0.222
Polk	6004	Bridge Cranes of America, LLC	N499	G (est.)	0.001	0.001	0.001
Polk	6813	FL Fish & Wildlife Conservation Commission	N490	G (est.)	0.002	0.002	0.002
Polk	20753	Vanguard School of Lake Wales	N499	G (est.)	0.036	0.039	0.039
<b>Polk County Total</b>					<b>0.264</b>	<b>Total, mgd</b>	
Sarasota	9483	School Board of Sarasota County	N485	G (est.)	0.046	0.050	0.050
Sarasota	12842	Sarasota County Public Hospital Board	N499	G (est.)	0.000	0.001	0.001
<b>Sarasota County Totals</b>					<b>0.046</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in Sumter County</b>							
<b>District Totals</b>					<b>0.509</b>	<b>Institutional, mgd</b>	
					<b>0.221</b>	<b>"Other," mgd</b>	
					<b>0.729</b>	<b>Total, mgd</b>	

**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



## 2018 ESTIMATED WATER USE REPORT

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
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## 2018 ESTIMATED WATER USE REPORT

**Table A-14. 2018 Metered + Estimated Institutional and “Other” Monthly Average Withdrawals (mgd/month)**

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>*Charlotte</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Citrus</b>	0.041	0.001	0.004	0.002	0.004	0.002	0	0.001	0.001	0.044	0.033	0.026
<b>Desoto</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Hardee</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Hernando</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Highlands</b>	0.111	0.002	0.009	0.003	0.010	0	0	0.002	0.002	0.120	0.089	0.071
<b>Hillsborough</b>	0.104	0.007	0.009	0.002	0.008	0.004	0	0.002	0.002	0.121	0.094	0.071
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Manatee</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Marion</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>Pasco</b>	0.874	0.488	0.205	0.186	0.768	0.134	0.147	0.112	0.238	0.248	0.254	0.054
<b>Pinellas</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Polk</b>	0.416	0.215	0	0.233	0.306	0	0.365	0	0	0	0	0
<b>Sarasota</b>	0	0	0	0	0	0	0	0	0	0.156	0	0.092
<b>Sumter</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>District Total</b>	1.769	0.718	0.504	0.432	1.116	0.281	0.522	0.390	0.402	1.050	0.923	0.631
<b>Groundwater</b>	1.769	0.718	0.504	0.432	1.116	0.281	0.522	0.390	0.403	1.050	0.921	0.632
<b>Surface Water</b>	0	0	0	0	0	0	0	0	0	0	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, 2018.

**2018 ESTIMATED WATER USE REPORT**

**APPENDIX B**

**2018 METERED + ESTIMATED ANNUAL AVERAGE  
GROUNDWATER & SURFACE WATER WITHDRAWALS**

## 2018 ESTIMATED WATER USE REPORT

**Table B-1. 2018 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
<b>GROUNDWATER (76%)</b>							
*Charlotte	7.769	0.030	0	2.404	0.716	0.025	10.944
Citrus	1.709	2.906	0.004	14.165	2.858	0.014	21.656
Desoto	53.510	0.745	0.001	3.714	0.097	0	58.067
Hardee	37.466	1.942	1.045	1.501	0.122	0	42.076
Hernando	1.729	5.047	0.020	19.374	2.731	0	28.901
*Highlands	35.824	0.081	0.002	8.313	1.849	0.035	46.104
Hillsborough	44.506	7.228	7.146	72.175	8.948	0.036	140.039
*Lake	0.924	0	0	0	0	0	0.924
*Levy	7.915	0.004	0	0.883	0.126	0	8.928
Manatee	55.385	0.323	4.048	15.113	9.517	0	84.386
*Marion	3.758	0.010	0.019	10.464	2.401	0	16.652
Pasco	5.828	0.631	0.007	55.513	3.458	0.309	65.746
Pinellas	0.009	0.152	0	27.101	2.017	0	29.279
*Polk	74.351	32.214	6.544	67.638	8.287	0.264	189.298
Sarasota	2.642	0.167	0	20.668	7.163	0.046	30.686
Sumter	6.991	0.655	0.039	14.216	2.450	0	24.351
<b>GW Subtotals</b>	<b>340.316</b>	<b>52.135</b>	<b>18.875</b>	<b>333.242</b>	<b>52.740</b>	<b>0.729</b>	<b>798.037</b>
<b>% of GW</b>	<b>43%</b>	<b>7%</b>	<b>2%</b>	<b>42%</b>	<b>7%</b>	<b>0%</b>	<b>100%</b>
<b>SURFACE WATER (24%)</b>							
*Charlotte	1.632	0.001	0.195	5.523	0.977	0	8.328
Citrus	0.047	0	0.060	0	0.112	0	0.219
Desoto	0.768	0	0.007	26.715	0	0	27.49
Hardee	0.855	0	0.254	0	0	0	1.109
Hernando	0.042	0	0.008	0	0	0	0.05
*Highlands	5.326	0	0.010	0.005	0.033	0	5.374
Hillsborough	2.890	2.484	0.088	141.258	0.076	0	146.796
*Lake	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0
Manatee	0.202	9.162	0.069	30.804	0.289	0	40.526
*Marion	0	0	0	0	0	0	0
Pasco	0.065	0.591	0.050	0.243	0.234	0	1.183
Pinellas	0	0	0	0	1.192	0	1.192
*Polk	2.761	0.125	0.063	0	0.216	0	3.165
Sarasota	0.117	0.004	0.004	1.743	1.286	0	3.154
Sumter	0	0.019	0.131	7.697	0	0	7.847
<b>District SW</b>	<b>14.705</b>	<b>12.386</b>	<b>0.939</b>	<b>213.988</b>	<b>4.415</b>	<b>0</b>	<b>246.433</b>
<b>% of SW</b>	<b>6%</b>	<b>5%</b>	<b>0%</b>	<b>87%</b>	<b>2%</b>	<b>0%</b>	<b>100%</b>
<b>District Totals</b>	<b>355.021</b>	<b>64.521</b>	<b>19.814</b>	<b>547.230</b>	<b>57.155</b>	<b>0.729</b>	<b>1,044.470</b>
<b>% of Total</b>	<b>34%</b>	<b>6%</b>	<b>2%</b>	<b>52%</b>	<b>5%</b>	<b>0%</b>	<b>100%</b>

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

Totals do not include Domestic Self-Supply (34,810 mgd) or Seawater Desalination (4.71 mgd).

Source: Estimated Water Use Tables derived from the WMIS WUP database and PSARs, 2018.

## 2018 ESTIMATED WATER USE REPORT

**Table B-2. 2018 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/R ecreation	Institutional /Other	Total Withdrawal
<b>GROUNDWATER (82%)</b>							
<b>*Charlotte</b>	7.769	0.030	0	2.404	0.716	0.025	10.944
<b>Desoto</b>	53.510	0.745	0.001	3.714	0.097	0	58.067
<b>Hardee</b>	37.466	1.942	1.045	1.501	0.122	0	42.076
<b>*Highlands</b>	35.824	0.081	0.002	8.313	1.849	0.035	46.104
<b>*Hillsborough</b>	22.558	0.540	7.144	27.311	2.836	0.026	60.415
<b>Manatee</b>	55.385	0.323	4.048	15.113	9.517	0	84.386
<b>*Polk</b>	66.957	29.639	8.268	66.957	6.725	0.038	178.584
<b>Sarasota</b>	2.642	0.167	0	20.668	7.163	0.046	30.686
<b>SWUCA GW Subtotals</b>	282.111	33.467	20.508	145.981	29.025	0.170	511.262
<b>% of GW</b>	55%	7%	4%	29%	6%	0%	100%
<b>SURFACE WATER (18%)</b>							
<b>*Charlotte</b>	1.632	0.001	0.195	5.523	0.977	0	8.328
<b>Desoto</b>	0.768	0	0.007	26.715	0	0	27.490
<b>Hardee</b>	0.855	0	0.254	0	0	0	1.109
<b>*Highlands</b>	5.326	0	0.010	0.005	0.033	0	5.374
<b>*Hillsborough</b>	1.103	2.467	0.088	18.576	0.015	0	22.249
<b>Manatee</b>	0.202	9.162	0.069	30.804	0.289	0	40.526
<b>*Polk</b>	2.548	0.218	0.004	0	0.200	0	2.970
<b>Sarasota</b>	0.117	0.004	0.004	1.743	1.286	0	3.154
<b>SWUCA SW Subtotals</b>	12.551	11.852	0.631	83.366	2.800	0	111.200
<b>% of SW</b>	11%	11%	1%	75%	3%	0%	100%
<b>SWUCA Totals</b>	294.662	45.319	21.139	229.347	31.825	0.170	622.462
<b>% of SWUCA</b>	47%	7%	3%	37%	5%	0%	100%
<b>**SWUCA % of Districtwide Totals</b>	83%	70%	107%	42%	56%	23.3%	60%

Source: Estimated Water Use Tables derived from the WMIS database and PSARs, 2018.

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.

## 2018 ESTIMATED WATER USE REPORT

**Table B-3. 2018 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
<b>GROUNDWATER (67%)</b>							
<b>Hillsborough</b>	14.188	0.077	0.024	0.383	2.547	0.004	17.223
<b>Manatee</b>	28.140	0.323	0.032	16.039	9.096	0	53.630
<b>Sarasota</b>	1.011	0.094	0	9.236	1.436	0	11.777
<b>MIA GW Subtotal</b>	43.339	0.494	0.056	25.658	13.079	0.004	82.630
<b>% of GW</b>	52%	1%	0.1%	31%	16%	0%	100%
<b>SURFACE WATER (33%)</b>							
<b>Hillsborough</b>	0.232	0	0.088	0.002	0.003	0	0.325
<b>*Manatee</b>	0.120	9.162	0	30.804	0.289	0	40.375
<b>Sarasota</b>	0.055	0	0	0	0.029	0	0.084
<b>MIA SW Subtotals</b>	0.407	9.162	0.088	30.806	0.321	0	40.784
<b>% of SW</b>	1%	22%	0%	76%	1%	0%	100%
<b>MIA Total</b>	43.746	9.656	0.144	56.464	13.400	0.004	123.414
<b>% of MIA</b>	35%	8%	0%	46%	11%	0%	100%
<b>** % of SWUCA Total</b>	15%	21%	1%	25%	42%	2%	20%
<b>*** % of Districtwide Total</b>	12%	15%	1%	10%	23%	1%	12%

Source: Estimated Water Use Tables derived from the WMIS WUP database and PSARs, 2018.

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

\* 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.

## 2018 ESTIMATED WATER USE REPORT

**Table B-4. 2018 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
<b>GROUNDWATER (58%)</b>							
<b>*Hillsborough</b>	21.948	6.688	0	44.864	6.112	0.010	79.622
<b>Pasco</b>	5.828	0.631	0.007	55.513	3.458	0.309	65.746
<b>Pinellas</b>	0.009	0.152	0	27.101	2.017	0	29.279
<b>NTB WUCA GW Subtotal</b>	27.785	7.471	0.007	127.478	11.587	0.319	174.647
<b>% of GW</b>	16%	4%	0%	73%	7%	0%	100%
<b>SURFACE WATER (42%)</b>							
<b>*Hillsborough</b>	1.787	0.017	0	122.682	0.061	0	124.547
<b>Pasco</b>	0.065	0.591	0.050	0.243	0.234	0	1.183
<b>Pinellas</b>	0	0	0	0	1.192	0	1.192
<b>NTB WUCA SW Subtotal</b>	1.852	0.608	0.050	122.925	1.487	0	126.922
<b>% of SW</b>	1%	0%	0%	97%	1%	0%	100%
<b>NTB WUCA Total</b>	29.637	8.079	0.057	250.403	13.074	0.319	301.569
<b>% of NTB WUCA</b>	10%	3%	0%	83%	4%	0%	100%
<b>**% of District Total</b>	8%	13%	0%	46%	23%	44%	29%

Source: Estimated Water Use Tables derived from the WMIS WUP database and PSARs, 2018.

\* 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.

## 2018 ESTIMATED WATER USE REPORT

**Table B-5. 2018 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
<b>GROUNDWATER (96%)</b>							
Hillsborough	23.678	2.309	0	20.459	0.567	0.006	47.019
Polk	0.586	3.082	0	3.337	0.004	0	7.009
<b>DPC WUCA GW Subtotal</b>	24.264	5.391	0	23.796	0.571	0.006	54.028
<b>% of GW</b>	45%	10%	0%	44%	1%	0%	100%
<b>SURFACE WATER (4%)</b>							
Hillsborough	1.997	0.002	0	0.005	0	0	2.004
Polk	0.015	0	0.164	0	0	0	0.179
<b>DPC WUCA SW Subtotal</b>	2.012	0.002	0.164	0.005	0	0	2.183
<b>% of SW</b>	88%	2%	9%	0.1%	0%	100%	100%
<b>DPC WUCA Total</b>	26.276	5.393	0.164	23.801	0.571	0.006	56.211
<b>% of DPC WUCA</b>	47%	10%	0%	42%	1%	0%	100%
<b>* % of District Total</b>	7%	8%	1%	4%	1%	1%	5%

Source: Estimated Water Use Tables derived from the WMIS WUP database and PSARs, 2018.

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 #11441 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



## 2018 ESTIMATED WATER USE REPORT

**Table B-6. 2018 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
<b>GROUNDWATER (100%)</b>							
<b>Hardee</b>	0.024	0	0	0	0	0	0.024
<b>Manatee</b>	15.708	15.708	0.072	0.002	0.011	0	31.501
<b>Sarasota</b>	1.661	1.661	0	2.625	0	0	5.947
<b>GW Subtotal</b>	17.393	17.369	0.072	2.627	0.011	0	37.472
<b>% of GW</b>	46%	46%	0%	7%	0%	0%	100%
<b>SURFACE WATER (&lt;1%)</b>							
<b>Hardee</b>	0	0	0	0	0	0	0
<b>Manatee</b>	0	0	0.069	0	0	0	0.069
<b>Sarasota</b>	0.049	0	0.002	0	0	0	0.051
<b>SW Subtotals</b>	0.049	0	0.071	0	0	0	0.120
<b>% of SW Subtotals</b>	41%	0%	59%	0%	0%	0%	100%
<b>GW+SW Total</b>	17.442	17.369	0.143	2.627	0.011	0	37.592
<b>% of Total</b>	46%	46%	0%	7%	0%	0%	100%

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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. One exception is the multi-county Mosaic WUP which had just two active wells within the watershed that are included in the Manatee M/D category.

## 2018 ESTIMATED WATER USE REPORT

**Table B-7. 2018 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
<b>GROUNDWATER (52%)</b>							
Charlotte	6.731	0.008	0	0	0.293	0	7.032
DeSoto	1.242	0	0	0	0	0	1.242
<b>GW Subtotals</b>	7.973	0.008	0	0	0.293	0	8.274
<b>% of GW Subtotals</b>	96%	0%	0%	0%	4%	0%	100%
<b>SURFACE WATER (48%)</b>							
Charlotte	1.522	0	0.136	5.523	0	0	7.181
DeSoto	0.467	0	0	0	0	0	0.467
<b>SW Subtotals</b>	1.989	0	0.136	5.523	0	0	7.648
<b>% of SW Subtotals</b>	26%	0%	2%	72%	0%	0%	100%
<b>GW+SW Subtotals</b>	9.962	0.008	0.136	5.523	0.293	0	15.922
<b>% Totals</b>	63%	0%	1%	35%	2%	0%	100%

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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.

**2018 ESTIMATED WATER USE REPORT**

**APPENDIX C**

**2018 PERMITTED**

**GROUNDWATER & SURFACE WATER**

**ANNUAL AVERAGE QUANTITIES**

## 2018 ESTIMATED WATER USE REPORT

**Table C-1. 2018 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
<b>GROUNDWATER (80%)</b>							
*Charlotte	22.715	0.082	0.036	9.521	2.365	0.027	34.746
Citrus	3.097	6.470	0.082	18.318	4.241	0.015	32.223
DeSoto	106.393	1.371	0.001	1.265	1.053	0	110.083
Hardee	74.336	4.698	6.392	2.423	0.211	0	88.060
Hernando	3.532	8.221	0.291	25.880	5.818	0	43.742
*Highlands	53.183	0.374	0.003	11.387	2.703	0.039	67.689
Hillsborough	96.515	20.464	0.131	138.204	18.298	2.585	276.197
*Lake	1.724	0	0	0	0	0	1.724
*Levy	22.446	1.591	0.001	1.077	0.279	0	25.394
Manatee	152.750	0.851	0.086	22.162	16.396	0	192.245
*Marion	14.310	0.025	0.086	12.813	4.769	0	32.003
Pasco	17.383	6.322	0.050	20.797	8.373	2.710	55.635
Pinellas	0.157	0.473	0	27.566	4.548	0.006	32.750
*Polk	111.531	77.446	45.002	116.483	13.175	0.517	364.154
Sarasota	17.906	0.398	0	45.597	12.062	0.051	76.014
Sumter	16.911	3.091	0.162	27.341	5.504	0	53.009
<b>GW Subtotal</b>	<b>714.889</b>	<b>131.877</b>	<b>52.323</b>	<b>480.834</b>	<b>99.795</b>	<b>5.950</b>	<b>1,485.668</b>
<b>% of GW</b>	<b>48%</b>	<b>9%</b>	<b>4%</b>	<b>32%</b>	<b>7%</b>	<b>0.4%</b>	<b>100%</b>
<b>SURFACE WATER (20%)</b>							
*Charlotte	4.516	0.002	0.546	4.044	2.609	0	11.717
Citrus	0.060	0.001	0.086	0	0.516	0	0.663
DeSoto	4.964	0	0.028	34.701	0	0	39.693
Hardee	4.806	0	0	0	0	0	4.806
Hernando	0.068	0	0.030	0	0.498	0	0.596
*Highlands	5.158	0.001	0.026	0.016	0.079	0	5.280
Hillsborough	7.558	6.091	0.549	205.704	2.577	0	222.479
*Lake	0.142	0	0	0	0	0	0.142
*Levy	0	0.037	0.122	0	0	0	0.159
Manatee	4.837	8.528	0.177	41.630	7.592	0	62.764
*Marion	0	0	0.040	0	0.249	0	0.289
Pasco	0.167	0.189	0.195	0.180	0.561	0	1.292
Pinellas	0.042	0.002	0	0	1.829	0	1.873
*Polk	3.821	1.480	0.793	0	0.502	0	6.596
Sarasota	0.233	0.029	0.010	7.045	2.032	0	9.349
Sumter	0.073	0.051	0.465	0	1.607	0	2.196
<b>SW Subtotal</b>	<b>36.445</b>	<b>16.411</b>	<b>3.067</b>	<b>293.320</b>	<b>20.651</b>	<b>0</b>	<b>369.894</b>
<b>% of SW</b>	<b>10%</b>	<b>4%</b>	<b>1%</b>	<b>79%</b>	<b>6%</b>	<b>0.0%</b>	<b>100%</b>
<b>District Total</b>	<b>751.334</b>	<b>148.288</b>	<b>55.390</b>	<b>774.154</b>	<b>120.446</b>	<b>5.950</b>	<b>1,855.562</b>
<b>% of District Total</b>	<b>40%</b>	<b>8%</b>	<b>3%</b>	<b>42%</b>	<b>6%</b>	<b>0.3%</b>	<b>100%</b>

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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

## 2018 ESTIMATED WATER USE REPORT

**Table C-2. 2018 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
<b>GROUNDWATER (86%)</b>							
*Charlotte	22.715	0.082	0.036	9.521	2.365	0.027	34.746
DeSoto	106.393	1.371	0.001	1.265	1.053	0	110.083
Hardee	74.336	4.698	6.392	2.423	0.211	0	88.060
*Highlands	53.183	0.374	0.003	11.387	2.703	0.039	67.689
*Hillsborough	56.745	9.064	0.131	30.603	6.647	0.029	103.219
Manatee	152.750	0.851	0.086	22.162	16.396	0	192.245
*Polk	96.992	76.411	44.243	102.303	10.696	0.042	330.687
Sarasota	17.906	0.398	0	45.597	12.062	0.051	76.014
<b>GW Subtotal</b>	<b>581.020</b>	<b>93.249</b>	<b>50.892</b>	<b>225.261</b>	<b>52.133</b>	<b>0.188</b>	<b>1002.743</b>
<b>% SWUCA GW</b>	<b>58%</b>	<b>9%</b>	<b>5%</b>	<b>22%</b>	<b>5%</b>	<b>0%</b>	<b>100%</b>
<b>SURFACE WATER (14%)</b>							
*Charlotte	4.516	0.002	0.546	4.044	2.609	0	11.717
DeSoto	4.964	0	0.028	34.701	0.000	0	39.693
Hardee	4.806	0	0	0	0.000	0	4.806
*Highlands	5.158	0.001	0.026	0.016	0.079	0	5.280
*Hillsborough	4.270	5.974	0.337	18.702	0.627	0	29.910
Manatee	4.837	8.528	0.177	41.630	7.592	0	62.764
*Polk	3.167	1.471	0.377	0	0.475	0	5.490
Sarasota	0.233	0.029	0.010	7.045	2.032	0	9.349
<b>SW Subtotal</b>	<b>31.951</b>	<b>16.005</b>	<b>1.501</b>	<b>106.138</b>	<b>13.414</b>	<b>0</b>	<b>169.009</b>
<b>% SWUCA SW</b>	<b>19%</b>	<b>9%</b>	<b>1%</b>	<b>63%</b>	<b>8%</b>	<b>0%</b>	<b>100%</b>
<b>SWUCA Total</b>	<b>612.971</b>	<b>109.254</b>	<b>52.393</b>	<b>331.399</b>	<b>65.547</b>	<b>0.188</b>	<b>1171.752</b>
<b>% of SWUCA</b>	<b>52%</b>	<b>9%</b>	<b>4%</b>	<b>28%</b>	<b>6%</b>	<b>0%</b>	<b>100%</b>
<b>**SWUCA % of Districtwide Total</b>	<b>82%</b>	<b>74%</b>	<b>95%</b>	<b>43%</b>	<b>54%</b>	<b>3.2%</b>	<b>63%</b>

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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

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

## 2018 ESTIMATED WATER USE REPORT

**Table C-3. 2018 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
<b>GROUNDWATER (73%)</b>							
Hillsborough	38.822	4.751	0.131	0.478	5.509	0.005	49.696
Manatee	74.871	0.724	0.076	4.186	15.278	0	95.135
Sarasota	4.063	0.266	0.000	19.830	2.482	0.001	26.642
<b>GW Subtotal</b>	117.756	5.741	0.207	24.494	23.269	0.006	171.473
<b>% of GW</b>	69%	3%	0%	14%	14%	0%	100%
<b>SURFACE WATER (27%)</b>							
Hillsborough	1.318	0	0.691	0.002	0.607	0	2.618
Manatee	2.424	8.519	0.002	41.630	7.868	0	60.443
Sarasota	0.071	0	0.133	0	0.077	0	0.281
<b>SW Subtotal</b>	3.813	8.519	0.826	41.632	8.552	0	63.342
<b>% of SW</b>	6%	13%	1%	66%	14%	0%	100%
<b>MIA Total</b>	121.569	14.260	1.033	66.126	31.821	0.006	234.815
<b>% of MIA Total</b>	52%	6%	0.4%	28%	14%	0%	100%
<b>*MIA % of SWUCA Total</b>	20%	13%	2%	20%	49%	3%	20%
<b>*MIA % of Districtwide Total</b>	16%	10%	2%	9%	26%	0%	13%

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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.

## 2018 ESTIMATED WATER USE REPORT

**Table C-4. 2018 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
<b>GROUNDWATER (57%)</b>							
<b>*Hillsborough</b>	39.770	11.400	0	107.601	11.651	2.556	170.422
<b>Pasco</b>	17.383	6.322	0.050	20.797	8.373	2.710	52.925
<b>Pinellas</b>	0.157	0.473	0	27.566	4.548	0.006	32.744
<b>NTB WUCA GW Subtotal</b>	57.31	18.195	0.050	155.964	24.572	5.272	256.091
<b>% of GW</b>	22%	7%	0%	61%	10%	2%	100%
<b>SURFACE WATER (43%)</b>							
<b>*Hillsborough</b>	3.288	0.117	0.212	187.002	1.950	0	192.569
<b>Pasco</b>	0.167	0.189	0.195	0.180	0.561	0	1.292
<b>Pinellas</b>	0.042	0.002	0	0	1.829	0	1.873
<b>NTB WUCA SW Subtotal</b>	3.497	0.308	0.407	187.182	4.340	0	195.734
<b>% of SW</b>	1.8%	0.2%	0.2%	95.6%	2.2%	0.0%	100%
<b>NTB WUCA Total</b>	60.807	18.503	0.457	343.146	28.912	5.272	451.825
<b>% of NTB WUCA</b>	13.5%	4.1%	0.1%	75.9%	6.4%	1.2%	100%
<b>**NTB WUCA % of Districtwide Total</b>	8%	12%	1%	44%	24%	89%	24%

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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

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

## 2018 ESTIMATED WATER USE REPORT

**Table C-5. 2018 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
<b>GROUNDWATER (96%)</b>							
<b>Hillsborough<sup>1</sup></b>	43.441	3.935	0	40.581	0.753	0.018	88.728
<b>Polk</b>	1.240	1.414	0	7.075	0.014	0	9.7433
<b>GW Subtotal</b>	44.681	5.349	0	47.656	0.767	0.018	98.471
<b>% of GW</b>	45%	5%	0%	48%	0.8%	0%	100%
<b>SURFACE WATER (4%)</b>							
<b>Hillsborough</b>	3.843	0.005	0.036	0.003	0	0	3.887
<b>Polk</b>	0	0.118	0.192	0	0	0	0.310
<b>SW Subtotal</b>	3.843	0.123	0.228	0.003	0	0	4.197
<b>% of SW</b>	92%	3%	5%	0%	0%	0%	100%
<b>DPC WUCA Total</b>	48.524	5.472	0.228	47.659	0.767	0.018	102.668
<b>% of DPC WUCA Total</b>	47%	5%	0%	46%	0.7%	0%	100%
<b>*DPC WUCA % of Districtwide Total</b>	6%	4%	0%	6%	0.6%	0%	6%

Source: Estimated Water Use Tables derived from the WMIS WUP database, 2018.

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.

<sup>1</sup> 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.



## 2018 ESTIMATED WATER USE REPORT

**Table C-6. 2018 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
<b>GROUNDWATER (80%)</b>								
Hillsborough	2.839	23.243	89.514	59.897	1.711	2.540	742.169	921.913
Polk	0	0.813	0.979	0	0	0	5.294	7.086
<b>Max Day GW Quantities</b>	2.839	24.056	90.493	59.897	1.711	2.540	747.463	928.999
<b>% of GW</b>	0.3%	3%	10%	6%	0%	0.3%	80%	100%
<b>SURFACE WATER (20%)</b>								
Hillsborough	0	0.314	8.940	2.358	0	0	224.285	235.897
Polk	0	0	0	0	0	0	1.859	1.859
<b>Max Day SW Quantities</b>	0	0.314	8.940	2.358	0	0	226.144	237.756
<b>% of SW</b>	0%	0.1%	4%	1%	0%	0%	95%	100%
<b>Total Max Day Quantities</b>	2.839	24.370	99.433	62.255	1.711	2.540	973.607	1,166.755
<b>% of Total Max Day Quantity</b>	0.2%	2.1%	8.5%	5.3%	0.1%	0.2%	83.4%	100%

**Table C-7. 2018 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	19	63	28	2	3	263	382
Polk	0	1	1	0	0	0	3	5
<b>Total</b>	4	20	64	28	2	3	266	387

Source for both tables: Estimated Water Use Tables derived from the WMIS WUP database, 2018. Data is only for the portion of the county within the DPC WUCA.

# **2018 ESTIMATED WATER USE REPORT**

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**2018 ESTIMATED WATER USE REPORT**

**APPENDIX D**

**2009 - 2018**

**HISTORIC PUBLIC SUPPLY PER CAPITA RATES**

**FROM THE**

**PUBLIC SUPPLY ANNUAL REPORTS**

## 2018 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	2018 Service Area Population	Calendar Year									
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018
Charlotte	718	Gasparilla Island Water Association	6,092	295	169	182	194	185	187	181	182	182	189
Charlotte	871	City of Punta Gorda	38,702	113	118	115	121	114	120	126	128	134	132
Charlotte	1512	Charlotte Harbor Water Association	4,483	81	79	80	71	79	94	92	106	82	76
Charlotte	3522	Charlotte County Burnt Store	7,017	64	60	65	57	60	58	64	59	63	61
Charlotte	7104	Charlotte County	132,185	73	76	75	77	80	81	79	79	81	74
Charlotte	7768	Island Harbor / Knight Island	NA	116	82	154	93	100	123	.	.	.	.
Citrus	207	City of Crystal River	5,726	120	108	127	135	120	137	137	148	127	135
Citrus	419	City of Inverness	9,710	154	124	47	119	118	108	109	104	106	109
Citrus	1118	Floral City Water Association	5,087	64	62	55	62	62	56	58	66	64	64
Citrus	2842	Citrus County WRD	18,339	155	158	149	136	130	124	133	142	144	131
Citrus	4153	Rolling Oaks Utilities, Inc.	11,356	129	140	153	136	136	122	119	134	132	132
Citrus	4406	Homosassa Special Water District	5,765	165	127	145	131	131	120	127	130	133	133
Citrus	6691	Gulf Highway Land Corporation	576	118	368	185	116	120	102	106	112	110	93
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	25,035	143	180	158	142	138	143	145	168	167	161
Citrus	7879	Fla Gov't Utility / Oak Forest	NA	70	69	86	.	.	.	.	.	.	.
Citrus	9791	Citrus County WRD / Sugarmill Woods	11,998	214	182	221	192	197	186	192	212	199	166
Citrus	11839	Walden Woods Ltd	1,019	140	362	147	117	161	141	134	144	137	141
Citrus	20230	Ozello Water Association Inc	4,676	.	.	117	93	84	82	81	79	82	68
DeSoto	4725	City of Arcadia	10,702	76	84	98	70	70	82	82	84	85	82
DeSoto	20457	DeSoto County Utilities	5,335	.	.	.	.	.	74	94	125	148	82
Hardee	30	City of Bowling Green	3,979	59	56	52	76	95	48	45	41	41	54
Hardee	4461	City of Wauchula	6,397	120	105	65	98	97	101	98	101	106	101
Hardee	7658	Town of Zolfo Springs	2,496	128	67	59	63	51	51	50	59	66	65
Hardee	13026	Hardee County BOCC	2,901	48	56	75	39	51	41	41	44	47	44
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	125	131	141	130	104	98	.	.	.	.
Hernando	2983	Hernando Co Utilities Dept / West	NA	159	140	145	133	125	122	.	.	.	.
Hernando	5789	Hernando Co Utilities Dept (Consolidated)	144,783	114	121	127	111	96	89	119	127	126	123
Hernando	7627	City of Brooksville	16,708	92	98	84	72	68	69	75	82	81	76
Hernando	12011	Hernando Co Utilities Dept	NA	159	140	160	143	116	153	.	.	.	.
Highlands	4167	Aqua Utilities, Lake Josephine	1,334	60	10	90	131	100	106	121	115	84	95

## 2018 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	2018 Service Area Population	Calendar Year									
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018
Highlands	4492	City of Sebring	37,306	100	105	99	100	96	97	92	99	112	110
Highlands	4980	Lake Placid Holding Company	4,415	76	74	66	57	62	67	68	65	73	63
Highlands	5270	Town of Lake Placid	7,289	159	130	140	96	97	82	83	82	84	81
Highlands	5786	City of Avon Park / Sebring Ridge	NA	71	.	.	.	.	.	.	.	.	.
Highlands	6029	City of Avon Park	22,356	99	108	89	92	106	80	80	83	84	83
Highlands	6326	Town of Lake Placid	NA	83	75	68	62	64	.	.	.	.	.
Highlands	7139	Buttonwood Bay Utilities	1,646	79	94	108	110	91	92	87	85	109	104
Highlands	7704	Country Club Utilities, Inc.	NA	210	277	285	276	228	248	200	.	.	.
Highlands	7811	Mink Assoc / Crystal Lake Club	NA	134	.	.	.	.	.	.	.	.	.
Highlands	9490	LP Utilities Inc	NA	95	74	67	98	83	70	68	56	.	.
Highlands	9516	Sebring Land, Highlands Ridge	NA	190	.	.	.	.	.	.	.	.	.
Highlands	11609	Town of Lake Placid	NA	78	73	52	57	71	.	.	.	.	.
Highlands	13099	Sun N Lake of Sebring	7,486	84	86	79	81	83	86	85	83	83	81
Highlands	13367	Silver Lakes Utilities	NA	99	108	115	.	.	.	.	.	.	.
Hillsborough	450	City of Temple Terrace	30,896	108	99	108	107	101	102	103	99	115	114
Hillsborough	1776	City of Plant City	40,116	137	128	128	130	126	133	135	142	149	148
Hillsborough	2062	City of Tampa	624,793	101	106	110	116	109	110	109	112	119	111
Hillsborough	2285	Davpam MHP	1,218	102	100	101	111	90	91	97	104	116	109
Hillsborough	2707	Pluris Eastlake LLC	NA	76	68	42	37	30	36	.	.	.	.
Hillsborough	4352	Tampa Bay Water/S. Central Hills.	NA	108	.	.	.	.	.	.	.	.	.
Hillsborough	4757	Wilder Corporation / Hawaiian Isles	NA	107	60	15	.	.	.	.	.	.	.
Hillsborough	6879	The Meadows at Countrywood MHC	2,315	95	104	99	109	99	101	89	98	111	105
Hillsborough	7002	Hometown America / Featherock MHP	NA	81	.	102	.	.	.	.	.	.	.
Hillsborough	7637	Riverside Golf Course Com LLC	1,264	141	669	212	150	260	195	544	374	441	491
Hillsborough	7790	Paradise Village MHC	1,439	50	87	48	46	57	33	57	46	48	56
Hillsborough	10443	Windemere Utility Company	2,776	94	93	114	95	91	85	82	89	91	85
Hillsborough	12994	Pluris PCU INC	NA	117	.	122	116	103	92	.	.	.	.
Hillsborough	20141	Hillsborough County NW	632,342	105	92	95	94	93	94	96	96	100	98
Levy	5640	City of Williston	3,265	140	140	149	149	134	134	137	146	134	189
Levy	7755	Town of Yankeetown	NA	79	44	59	78	63	64	80	85	.	.

## 2018 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	2018 Service Area Population	Calendar Year									
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018
Levy	8953	Town of Inglis	1,650	110	87	100	76	84	73	72	69	58	56
Manatee	5387	Manatee County / Lake Manatee	NA	91	89	73	.	.	.	.	.	.	.
Manatee	6392	City of Bradenton	71,749	99	97	84	82	82	88	84	88	88	84
Manatee	10963	Town of Longboat Key	19,910	84	98	99	86	85	90	90	91	89	92
Manatee	12443	City of Palmetto	17,180	98	73	74	72	80	79	78	73	81	83
Manatee	13343, 7345	Manatee County Utilities	358,722	98	73	74	91	92	91	89	92	91	87
Marion	377	Marion Co Utilities / S Glen & Marion Oaks	NA	137	132	89	.	.	.	.	.	.	.
Marion	1156	Bay Laurel CDD	12,931	195	214	309	226	218	185	222	236	248	233
Marion	2999	Marion Utilities Inc	111	150	120	88	92	83	81	90	94	91	86
Marion	4257	Rainbow Springs Utilities LC	NA	244	290	129	.	.	.	.	.	.	.
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,000	152	126	172	158	144	136	137	160	153	136
Marion	6151	Marion County Utilities	37,062	177	177	160	136	139	116	127	139	137	130
Marion	6792	Sun Communities	598	175	142	150	162	150	124	132	140	160	128
Marion	7849	Marion Utilities Inc	1,087	172	159	125	188	106	95	108	123	117	109
Marion	8005	Century Fairfield Village LTD	557	104	116	89	122	119	117	118	118	141	118
Marion	8020	Marion Landings Homeowners Association	1,127	143	133	167	155	136	116	127	137	131	113
Marion	8165	Marion Co Utilities /Quail Meadow	NA	114	133	84	.	.	.	.	.	.	.
Marion	8339	City of Dunnellon	6,254	149	53	163	121	121	120	115	147	144	154
Marion	8481	Marion Utilities Inc / Spruce Creek	6,303	223	110	117	108	88	93	103	106	105	102
Marion	9360	Windstream Utilities Company	NA	250	233	263	238	238	230	.	.	.	.
Marion	11752	Marion County Utilities / Golden Ocala	NA	792	434	479	.	.	.	.	.	.	.
Marion	12218	Marion County Utilities / Spruce Creek	NA	192	219	.	.	.	.	.	.	.	.
Pasco	279	Florida Gov Utility Authority	3,553	77	87	75	61	80	81	55	56	58	57
Pasco	540	Holiday Gardens Utilities Inc	NA	84	86	67	59	61	78	.	.	.	.
Pasco	543	Crestridge Utility Corp	NA	68	73	58	52	44	51	.	.	.	.
Pasco	590	Florida Gov Utility Authority	8,609	188	113	117	104	110	101	99	104	116	109
Pasco	964	C S Water Company Inc	939	130	98	87	87	72	72	79	84	83	85
Pasco	1631	City of Dade City	12,530	117	123	116	106	106	119	106	109	110	105
Pasco	2043	Orangewood Lakes Mobile Home	1,040	87	28	46	63	66	72	79	74	.	54
Pasco	2978	Florida Gov Utility Authority	5,342	72	112	108	110	116	101	95	105	122	114

## 2018 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	2018 Service Area Population	Calendar Year									
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018
Pasco	3182	Florida Gov Utility Authority	30,570	115	113	95	98	79	83	80	84	85	79
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	3,772	43	44	59	64	53	52	57	58	59	56
Pasco	3668	Utilities Inc of Florida / Summertree	NA	70	69	53	64	99	109	62	49	.	.
Pasco	3677	Florida Gov Utility Authority	1,612	65	67	55	53	54	47	59	55	54	52
Pasco	3692	City of Port Richey	7,704	68	88	53	46	56	45	43	49	87	92
Pasco	4550	City of San Antonio	2,354	147	101	124	87	90	90	92	61	60	58
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	47	71	49	58	.	.	.	.	.	.
Pasco	4669	Hudson Water Works Inc	7,148	90	99	92	83	87	82	90	79	97	87
Pasco	4734	City of New Port Richey	35,239	84	88	89	86	82	90	95	96	97	93
Pasco	6040	City of Zephyrhills	27,734	115	119	112	109	109	88	74	84	88	84
Pasco	6867	Labrador Utilities Inc	NA	42	40	40	.	.	.	.	.	.	.
Pasco	7299	L W V Utilities Inc	NA	109	156	85	64	.	.	.	.	.	.
Pasco	7999	Florida Gov Utility Authority	2,010	65	64	64	62	60	56	60	55	60	64
Pasco	8417	Florida Gov Utility Authority	7,962	38	60	49	53	57	52	54	54	54	50
Pasco	8491	Parrish Properties V LLC	NA	40	64	23	.	.	.	.	.	.	.
Pasco	11863	Pasco County Utilities	290,200	117	121	129	126	124	111	90	107	113	104
Pinellas	742	City of Tarpon Springs	27,674	93	112	72	71	96	93	94	90	86	91
Pinellas	2980	City of Dunedin	45,395	85	81	83	99	78	79	77	80	79	76
Pinellas	2981	City of Clearwater	146,669	95	92	87	75	78	80	76	75	75	76
Pinellas	7692	City of Belleair	5,693	106	171	121	175	128	131	129	140	144	138
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	28	28	61	54	54	51	32	.	.	.
Pinellas	10795	City of Gulfport	14,634	67	64	68	67	67	65	79	67	67	63
Pinellas	11218	City of Oldsmar	17,374	92	91	89	88	72	74	59	74	81	80
Pinellas	11245	City of Safety Harbor	15,183	115	92	88	80	91	85	93	97	98	95
Pinellas	12351	City of Pinellas Park	91,547	63	64	57	56	50	50	55	50	51	51
Pinellas	20142	Pinellas County	506,353	.	82	81	83	77	70	82	76	77	73
Pinellas	20143	City of St. Petersburg	347,050	84	79	96	100	79	77	79	78	80	78
Polk	143	Mountain Lake Corp	NA	434	464	.	.	.	.	.	.	.	.
Polk	341	City of Bartow	25,742	124	84	109	111	101	97	99	103	109	106
Polk	645	City of Fort Meade	5,660	98	101	96	91	94	87	89	102	99	95

## 2018 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	2018 Service Area Population	Calendar Year									
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018
Polk	1616	Lake Region Mobile Home Owners	NA	54	83	143	85	82	70	74	.	.	.
Polk	1625	Four Lakes Golf Club Ltd	1,448	144	199	280	277	256	229	206	263	279	206
Polk	2332	Town of Lake Hamilton	1,761	128	123	128	144	153	132	194	154	134	135
Polk	2449	Sweetwater East / Lake Henry	NA	148	.	.	.	.	.	.	.	.	.
Polk	3415	Orchid Springs Development Corp	1,005	74	59	78	77	78	80	72	69	69	62
Polk	4005	Crooked Lake Park Water Co	2,587	90	89	90	37	90	89	83	84	84	85
Polk	4607	City of Winter Haven	82,465	128	127	126	138	113	118	113	114	117	115
Polk	4658	City of Lake Wales	22,263	143	128	122	119	115	115	113	113	114	116
Polk	4912	City of Lakeland	180,792	132	121	127	123	117	118	117	118	118	114
Polk	5251	Grenelefe Resort LLC	2,714	388	647	529	321	356	361	374	666	456	360
Polk	5750	City of Davenport	9,193	129	47	91	108	119	94	130	118	113	137
Polk	5868	Rainbow Resort	1,042	.	.	.	.	.	.	.	.	.	128
Polk	5870	City of Frostproof	3,220	160	88	110	79	95	110	113	119	124	125
Polk	5893	Town of Dundee	6,029	144	116	59	104	78	95	139	102	105	108
Polk	6124	City of Mulberry	4,631	89	89	94	87	91	98	79	83	80	84
Polk	6174	Saddlebag Lake Owners Assn	1,332	132	69	62	79	67	77	64	65	68	66
Polk	6505	Polk Co. / Northwest Regional Serv. Area	32,287	116	107	97	89	79	80	77	79	84	80
Polk	6506	Polk Co. / Southwest Regional Serv. Area	44,463	101	99	86	79	75	78	77	76	79	73
Polk	6507	Polk Co. / Central Regional Serv. Area	14,418	78	76	69	70	63	64	72	72	70	68
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,344	119	116	103	125	93	105	108	122	109	108
Polk	6509	Polk Co. / Northeast Regional Serv. Area	73,267	96	134	132	103	93	99	104	96	93	100
Polk	6624	City of Lake Alfred	8,215	138	147	144	175	129	124	131	130	127	116
Polk	6920	City of Eagle Lake	3,837	109	108	112	111	105	97	90	96	114	84
Polk	7119	City of Auburndale	31,557	175	184	171	187	158	159	165	165	173	150
Polk	7187	CHC VII Century Realty Fund / Lake Henry	1,482	206	208	228	255	273	143	137	161	140	175
Polk	7328	Carefree RV Country Club of Winter Haven	979	107	.	123	136	94	80	105	106	111	126
Polk	7703	Orange Ranch Acres Ranch	NA	122	122	.	.	.	.	.	.	.	.
Polk	7878	Florida Gov Utility Authority	2,253	134	100	76	66	64	65	67	65	66	62
Polk	8054	Polk Co. / East Regional Serv. Area	6,558	84	77	86	77	73	66	67	66	68	70
Polk	8344	S V Utilities LTD	1,379	150	139	141	140	135	119	75	103	106	101



## 2018 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	2018 Service Area Population	Calendar Year									
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018
Polk	8468	Town of Polk City	6,738	72	51	57	56	61	54	56	55	51	50
Polk	8472	Cypress Lakes Venture	NA	79	.	.	.	.	.	.	.	.	.
Polk	8522	City of Haines City	33,447	160	122	114	122	137	144	138	140	147	129
Polk	8753	Plantation Landings Ltd	NA	90	98	91	108	78	80	67	.	.	82
Polk	8967	Sweetwater Community Inc	698	159	150	192	180	176	190	198	172	173	154
Polk	12800	Polk County Utilities Jordan's Grove	345	.	.	.	.	.	.	.	.	134	303
Polk	13043	Cypress Lakes Utilities, Inc	2,927	46	46	43	51	80	82	62	62	64	59
Sarasota	2923	City of Northport	53,453	64	58	69	759	68	62	61	60	64	58
Sarasota	4318	City of Sarasota / Verna Wellfield	80,503	92	88	79	93	78	82	79	78	78	78
Sarasota	4866	Englewood Water District	37,214	68	51	77	66	65	72	61	66	71	75
Sarasota	5393	City of Venice	35,697	82	58	66	55	55	62	78	63	64	59
Sarasota	5807	Camelot Lakes Communities MHP	1,829	54	65	133	132	139	162	167	187	161	177
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	89	58	29	82	74	83	.	61	66	41
Sarasota	8836	Sarasota Co. / Univ. Parkway	234,659	75	77	79	80	75	76	79	81	81	81
Sumter	1368	Lake Panasoffkee Water Assn Inc	3,984	63	66	65	63	64	64	58	64	68	64
Sumter	2622	Continental Country Club	NA	247	226	257	254	93	193	200	.	.	.
Sumter	6519	City of Bushnell	3,874	143	95	138	152	146	142	145	164	125	125
Sumter	7185	City of Webster	922	118	125	84	89	89	143	56	62	72	88
Sumter	7799	Cedar Acres, Inc	NA	59	.	8	.	.	.	.	.	.	.
Sumter	8135	City of Wildwood	19,903	208	130	134	137	133	106	112	104	104	98
Sumter	8193	City of Center Hill	1,170	.	.	.	45	52	59	73	64	71	56
Sumter	13005	The Villages of Marion & Sumter	88,453	257	236	184	278	281	247	264	298	247	94
Sumter	13123	Florida Grande Motor Coach Resort	NA	296	90	.	.	.	.	.	.	.	.
Sumter	20597	City of Wildwood - Continental CC	1,598	.	.	.	.	.	.	.	57	75	95

Source: Prior EWU Reports and Table A-1.

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

## 2018 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	2018 Service Area Population	Calendar Year										Five Year Ave.
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018	
Charlotte	718	Gasparilla Island Water Association	6,092	159	141	150	163	160	158	159	162	160	167	161
Charlotte	871	City of Punta Gorda	38,702	113	118	115	121	114	120	126	128	134	132	128
Charlotte	1512	Charlotte Harbor Water Association	4,483	81	79	80	71	79	94	92	106	82	76	90
Charlotte	3522	Charlotte County Burnt Store	7,017	64	60	65	57	60	58	64	59	63	61	61
Charlotte	7104	Charlotte County	132,185	73	76	75	77	80	81	79	79	81	74	79
Charlotte	7768	Island Harbor / Knight Island	NA	116	81	154	93	100	123	.	.	.	.	123
Citrus	207	City of Crystal River	5,726	120	109	127	135	120	137	137	148	127	80	126
Citrus	419	City of Inverness	9,710	154	110	119	105	118	108	109	104	106	109	107
Citrus	1118	Floral City Water Association	5,087	64	62	55	62	62	56	58	66	64	64	62
Citrus	2842	Citrus County WRD	18,339	155	154	154	136	130	124	133	142	144	131	135
Citrus	4153	Rolling Oaks Utilities, Inc.	11,356	129	141	153	136	136	122	119	134	132	132	128
Citrus	4406	Homosassa Special Water District	5,765	165	127	145	131	131	120	127	130	133	133	129
Citrus	6691	Gulf Highway Land Corporation	576	118	368	184	116	120	102	106	112	110	93	105
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	25,035	143	143	157	142	138	136	145	162	155	149	149
Citrus	7879	Fla Gov't Utility / Oak Forest	NA	70	69	86	.	.	.	.	.	.	.	NA
Citrus	9791	Citrus County WRD / Sugarmill Woods	11,998	214	181	202	192	197	186	192	212	199	166	191
Citrus	11839	Walden Woods Ltd	1,019	140	362	157	117	161	141	134	144	137	141	139
Citrus	20230	Ozello Water Association Inc	4,676	.	.	117	93	84	82	81	79	82	68	78
DeSoto	4725	City of Arcadia	10,702	76	84	96	70	70	82	82	84	85	82	83
DeSoto	20457	DeSoto County Utilities	5,335	.	.	.	.	.	74	94	125	148	82	105
Hardee	30	City of Bowling Green	3,979	59	48	52	76	95	48	45	41	41	54	46
Hardee	4461	City of Wauchula	6,397	120	113	111	98	97	101	98	101	106	101	101
Hardee	7658	Town of Zolfo Springs	2,496	128	56	59	63	51	51	50	59	66	65	58
Hardee	13026	Hardee County BOCC	2,901	55	56	77	39	51	41	41	44	47	44	43
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	125	139	141	130	104	98	.	.	.	.	98
Hernando	2983	Hernando Co Utilities Dept / West	NA	149	140	145	133	125	122	.	.	.	.	122
Hernando	5789	Hernando Co Utilities Dept Consolidated	144,783	114	122	127	111	96	89	119	127	126	123	117
Hernando	7627	City of Brooksville	16,708	53	65	58	43	39	41	51	82	81	76	66
Hernando	12011	Hernando Co Utilities Dept	NA	159	140	152	143	116	153	.	.	.	.	NA

## 2018 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	2018 Service Area Population	Calendar Year										Five Year Ave.
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018	
Highlands	4167	Aqua Utilities, Lake Josephine	1,334	60	10	90	131	100	106	121	115	84	95	104
Highlands	4492	City of Sebring 2	37,306	100	124	99	100	96	97	92	99	112	110	102
Highlands	4980	Lake Placid Holding Company	4,415	76	72	66	57	62	67	68	65	73	63	67
Highlands	5270	Town of Lake Placid 3	7,289	159	131	140	96	97	82	83	82	84	81	82
Highlands	5786	City of Avon Park / Sebring Ridge 4	NA	71	.	.	.	.	.	.	.	.	.	NA
Highlands	6029	City of Avon Park 4	22,356	99	96	89	92	106	80	80	83	84	83	82
Highlands	6326	Town of Lake Placid 3	NA	83	76	69	62	64	.	.	.	.	.	NA
Highlands	7139	Buttonwood Bay Utilities	1,646	79	104	108	110	91	92	87	85	109	104	95
Highlands	7704	Country Club Utilities, Inc.	NA	210	277	285	262	228	248	200	.	.	.	NA
Highlands	7811	Mink Assoc / Crystal Lake Club 4	NA	134	.	.	.	.	.	.	.	.	.	NA
Highlands	9490	LP Utilities Inc	NA	95	75	68	98	83	70	68	56	.	.	65
Highlands	9516	Sebring Land, Highlands Ridge 2	NA	190	.	.	.	.	.	.	.	.	.	NA
Highlands	11609	Town of Lake Placid 3	NA	78	73	52	57	71	.	.	.	.	.	NA
Highlands	13099	Sun N Lake of Sebring 5	7,486	84	86	79	81	83	86	85	83	83	81	84
Highlands	13367	Silver Lakes Utilities	NA	99	108	115	.	.	.	.	.	.	.	NA
Hillsborough	450	City of Temple Terrace	30,896	108	99	108	107	101	102	103	99	115	114	107
Hillsborough	1776	City of Plant City	40,116	83	83	83	85	88	91	112	101	106	103	103
Hillsborough	2062	City of Tampa	624,793	99	114	113	112	107	107	107	109	116	107	109
Hillsborough	2285	Davpam MHP	1,218	102	99	101	111	90	91	97	104	116	109	103
Hillsborough	2707	Pluris Eastlake LLC	NA	76	68	74	37	30	36	.	.	.	.	NA
Hillsborough	4352	Tampa Bay Water/S. Central Hills.	NA	108	.	.	.	.	.	.	.	.	.	NA
Hillsborough	4757	Wilder Corporation / Hawaiian Isles	NA	107	60	15	.	.	.	.	.	.	.	NA
Hillsborough	6879	The Meadows at Countrywood MHC	2,315	95	104	101	109	99	101	89	98	111	105	101
Hillsborough	7002	Hometown America / Featherock MHP	NA	81	.	102	.	.	.	.	.	.	.	NA
Hillsborough	7637	Riverside Golf Course Com LLC	1,264	141	172	472	463	58	110	217	215	242	314	220
Hillsborough	7790	Paradise Village MHC	1,439	50	88	66	69	57	33	57	46	48	56	48
Hillsborough	10443	Windemere Utility Company	2,776	94	97	114	95	91	85	82	89	91	85	86
Hillsborough	12994	Pluris PCU INC	NA	89	.	76	17	69	59	.	.	.	.	59
Hillsborough	20141	Hillsborough County NW	632,342	105	92	95	94	93	94	96	96	100	98	97
Levy	5640	City of Williston	3,265	140	97	137	149	134	134	137	146	134	189	148

## 2018 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	2018 Service Area Population	Calendar Year										Five Year Ave.
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018	
Levy	7755	Town of Yankeetown	NA	79	74	59	78	63	64	80	85	.	.	76
Levy	8953	Town of Inglis	1,650	110	48	100	76	84	73	71.78	69	58	56	66
Manatee	5387	Manatee County / Lake Manatee 6	NA	43	59	73	.	.	.	.	.	.	.	NA
Manatee	6392	City of Bradenton	71,749	95	97	84	81	82	88	84	88	88	84	86
Manatee	10963	Town of Longboat Key	19,910	98	98	99	86	85	90	90	91	89	92	90
Manatee	12443	City of Palmetto	17,180	98	73	70	68	80	74	78	73	81	83	78
Manatee	13343, 7345	Manatee County Utilities 6	358,722	57	63	72	72	75	75	78	74	74	70	74
Marion	377	Marion Co / S Glen & Marion Oaks	NA	137	128	88	.	.	.	.	.	.	.	NA
Marion	1156	Bay Laurel CDD	12,931	194	205	265	186	175	173	205	220	234	220	210
Marion	2999	Marion Utilities Inc	111	150	120	88	85	83	81	90	94	91	86	88
Marion	4257	Rainbow Springs Utilities LC 7	NA	244	290	129	.	.	.	.	.	.	.	NA
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,000	152	142	172	158	144	136	137	160	153	136	144
Marion	6151	Marion County Utilities	37,062	170	174	151	134	137	116	127	139	137	130	130
Marion	6792	Sun Communities	598	175	142	150	130	150	124	132	140	160	128	137
Marion	7849	Marion Utilities Inc	1,087	172	158	125	133	106	95	108	123	117	109	110
Marion	8005	Century Fairfield Village LTD	557	104	115	134	101	119	117	118	118	141	118	122
Marion	8020	Marion Landings HOA	1,127	143	134	157	145	136	116	127	137	131	113	125
Marion	8165	Marion Co Utilities /Quail Meadow 7	NA	114	133	84	.	.	.	.	.	.	.	NA
Marion	8339	City of Dunnellon	6,254	149	53	163	121	121	120	115	147	144	154	136
Marion	8481	Marion Utilities Inc / Spruce Creek	6,303	223	110	117	131	88	93	103	106	105	102	102
Marion	9360	Windstream Utilities Company	NA	250	233	244	238	238	230	.	.	.	.	230
Marion	11752	Marion County Utilities / Golden Ocala 7	NA	792	434	479	.	.	.	.	.	.	.	NA
Marion	12218	Marion County Utilities / Spruce Creek 7	NA	192	219	.	.	.	.	.	.	.	.	NA
Pasco	279	Florida Gov Utility Authority	3,553	77	87	75	61	80	81	55	56	58	57	61
Pasco	540	Holiday Gardens Utilities Inc	NA	84	85	67	59	61	78	.	.	.	.	78
Pasco	543	Crestridge Utility Corp	NA	68	73	58	52	44	51	.	.	.	.	51
Pasco	590	Florida Gov Utility Authority	8,609	188	113	117	104	110	101	99	104	116	109	106
Pasco	964	C S Water Company Inc	939	130	98	87	87	72	72	79	84	83	85	81
Pasco	1631	City of Dade City	12,530	100	104	116	106	106	97	65	93	110	105	94

## 2018 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	2018 Service Area Population	Calendar Year										Five Year Ave.
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018	
Pasco	2043	Orangewood Lakes Mobile Home	1,040	87	87	67	63	66	72	79	74	.	54	70
Pasco	2978	Florida Gov Utility Authority	5,342	72	110	108	110	116	101	95	105	122	114	107
Pasco	3182	Florida Gov Utility Authority	30,570	115	113	95	98	79	83	80	84	85	79	82
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	3,772	43	44	39	64	53	52	57	58	59	56	56
Pasco	3668	Utilities Inc of Florida / Summertree	NA	70	68	53	64	99	109	62	49	.	.	73
Pasco	3677	Florida Gov Utility Authority	1,612	65	67	55	53	54	47	59	55	54	52	53
Pasco	3692	City of Port Richey	7,704	68	86	53	46	56	45	43	49	87	92	63
Pasco	4550	City of San Antonio	2,354	111	98	107	87	90	90	92	61	60	58	72
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	47	71	49	58	.	.	.	.	.	.	NA
Pasco	4669	Hudson Water Works Inc	7,148	58	101	90	83	87	82	90	79	97	87	87
Pasco	4734	City of New Port Richey	35,239	84	88	89	86	82	90	95	96	97	93	94
Pasco	6040	City of Zephyrhills	27,734	90	113	104	109	109	88	74	84	88	84	84
Pasco	6867	Labrador Utilities Inc	NA	42	40	40	.	.	.	.	.	.	.	NA
Pasco	7299	L W V Utilities Inc	NA	109	157	85	64	.	.	.	.	.	.	NA
Pasco	7999	Florida Gov Utility Authority	2,010	65	64	64	62	60	56	60	55	60	64	59
Pasco	8417	Florida Gov Utility Authority	7,962	38	60	49	53	57	52	54	54	54	50	53
Pasco	8491	Parrish Properties V LLC	NA	40	64	23	.	.	.	.	.	.	.	NA
Pasco	11863	Pasco County Utilities 8	290,200	121	114	124	117	120	111	90	107	108	99	103
Pinellas	742	City of Tarpon Springs	27,674	93	112	72	71	96	93	94	90	86	91	91
Pinellas	2980	City of Dunedin	45,395	85	81	83	99	78	79	77	80	79	76	78
Pinellas	2981	City of Clearwater	146,669	85	79	74	64	69	72	76	75	75	76	75
Pinellas	7692	City of Belleair	5,693	106	130	82	132	98	131	97	108	106	113	111
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	28	28	61	54	54	51	32	.	.	.	42
Pinellas	10795	City of Gulfport	14,634	67	64	68	67	67	65	79	67	67	63	68
Pinellas	11218	City of Oldsmar	17,374	92	91	89	88	72	74	59	74	81	80	74
Pinellas	11245	City of Safety Harbor	15,183	115	92	82	80	91	85	93	97	98	95	94
Pinellas	12351	City of Pinellas Park	91,547	63	64	57	56	50	50	55	50	51	51	51
Pinellas	20142	Pinellas County	506,353	.	82	81	83	77	70	82	76	77	73	76
Pinellas	20143	City of St. Petersburg	347,050	84	79	96	80	79	77	79	78	80	78	78
Polk	143	Mountain Lake Corp	NA	434	464	.	.	.	.	.	.	.	.	NA

## 2018 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	2018 Service Area Population	Calendar Year										Five Year Ave.
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018	
Polk	341	City of Bartow	25,742	86	73	70	81	101	56	51	54	61	60	56
Polk	645	City of Fort Meade	5,660	106	73	69	70	49	87	89	56	61	47	68
Polk	1616	Lake Region Mobile Home Owners	NA	54	83	87	85	82	70	74	.	.	.	72
Polk	1625	Four Lakes Golf Club Ltd	1,448	112	105	159	181	157	156	138	164	180	141	156
Polk	2332	Town of Lake Hamilton	1,761	128	123	128	144	124	132	108	138	121	124	125
Polk	2449	Sweetwater East / Lake Henry	NA	148	.	.	.	.	.	.	.	.	.	NA
Polk	3415	Orchid Springs Development Corp	1,005	74	60	78	77	78	80	72	69	69	62	70
Polk	4005	Crooked Lake Park Water Co	2,587	90	89	90	37	90	89	83	84	84	85	85
Polk	4607	City of Winter Haven	82,465	124	141	126	138	113	118	113	114	117	115	115
Polk	4658	City of Lake Wales	22,263	143	126	122	119	115	115	113	113	114	116	114
Polk	4912	City of Lakeland	180,792	120	108	116	110	105	105	94	90	91	82	92
Polk	5251	Grenelefe Resort LLC	2,714	145	280	313	171	229	196	239	516	306	210	294
Polk	5750	City of Davenport	9,193	129	125	91	108	119	94	103	118	113	137	113
Polk	5868	Rainbow Resort	1,042	.	.	.	.	.	.	.	.	.	128	128
Polk	5870	City of Frostproof	3,220	150	104	92	79	88	110	107	108	106	110	108
Polk	5893	Town of Dundee	6,029	144	117	107	127	78	95	139	102	105	108	110
Polk	6124	City of Mulberry	4,631	89	89	94	87	91	97	79	83	80	84	85
Polk	6174	Saddlebag Lake Owners Assn	1,332	132	69	135	69	67	77	64	65	68	66	68
Polk	6505	Polk Co. / Northwest Regional Serv. Area	32,287	116	107	97	89	79	80	77	79	84	80	80
Polk	6506	Polk Co. / Southwest Regional Serv. Area	44,463	101	99	86	79	75	78	77	76	79	73	77
Polk	6507	Polk Co. / Central Regional Serv. Area	14,418	78	76	55	70	63	64	72	72	70	68	69
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,344	91	81	72	75	93	105	108	122	109	108	110
Polk	6509	Polk Co. / Northeast Regional Serv. Area	73,267	94	134	130	103	93	99	104	96	93	100	98
Polk	6624	City of Lake Alfred	8,215	119	174	140	148	129	124	131	130	127	116	125
Polk	6920	City of Eagle Lake	3,837	109	108	112	111	105	97	90	96	114	84	96
Polk	7119	City of Auburndale	31,557	136	132	123	138	111	111	112	116	120	98	111
Polk	7187	CHC VII Century Realty/ Lake Henry	1,482	95	119	144	164	157	98	82	79	105	108	94
Polk	7328	Carefree RV Country Club	979	47	.	62	79	60	80	71	61	111	81	81
Polk	7703	Orange Ranch Acres Ranch	NA	122	122	.	.	.	.	.	.	.	.	NA
Polk	7878	Florida Gov Utility Authority	2,253	134	102	70	66	64	65	67	65	66	62	65

## 2018 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	2018 Service Area Population	Calendar Year										Five Year Ave.
				2008	2009	2010	2011	2012	2013	2014	2015	2016	2018	
Polk	8054	Polk Co. / East Regional Serv. Area	6,558	84	77	86	77	73	66	67	66	68	70	67
Polk	8344	S V Utilities LTD	1,379	150	139	141	140	135	119	75	103	106	101	101
Polk	8468	Town of Polk City	6,738	72	51	57	56	61	57	56	55	51	50	54
Polk	8472	Cypress Lakes Venture	NA	79	.	.	.	.	.	.	.	.	.	NA
Polk	8522	City of Haines City	33,447	145	108	94	106	125	130	125	129	126	115	125
Polk	8753	Plantation Landings Ltd	NA	90	99	91	108	78	80	67	.	.	.	74
Polk	8967	Sweetwater Community Inc	698	135	149	172	149	111	158	151	130	130	110	136
Polk	12800	Polk County Utilities Jordan's Grove	345	.	.	.	.	.	.	.	.	134	30	82
Polk	13043	Cypress Lakes Utilities, Inc	2,927	46	46	43	51	80	82	62	62	64	59	66
Sarasota	2923	City of Northport	53,453	64	57	69	59	68	62	61	60	64	58	61
Sarasota	4318	City of Sarasota / Verna Wellfield	80,503	78	84	72	81	78	82	79	78	78	78	79
Sarasota	4866	Englewood Water District	37,214	31	38	63	52	65	59	45	57	63	75	60
Sarasota	5393	City of Venice	35,697	82	58	52	55	55	62	78	63	64	59	65
Sarasota	5807	Camelot Lakes Communities MHP	1,829	54	145	140	132	139	74	67	187	73	88	98
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	89	70	29	82	74	83	.	61	66	41	63
Sarasota	8836	Sarasota Co. / Univ. Parkway	234,659	75	77	79	80	75	76	79	81	81	81	80
Sumter	1368	Lake Panasoffkee Water Assn Inc	3,984	63	66	65	63	64	64	58	64	68	64	64
Sumter	2622	Continental Country Club	NA	100	114	127	121	93	84	86	.	.	.	85
Sumter	6519	City of Bushnell	3,874	143	99	81	118	146	142	145	88	87	125	117
Sumter	7185	City of Webster	922	118	88	84	89	89	143	56	62	72	88	84
Sumter	7799	Cedar Acres, Inc	NA	59	.	8	.	.	.	.	.	.	.	NA
Sumter	8135	City of Wildwood	19,903	135	93	131	130	133	67	72	62	98	98	79
Sumter	8193	City of Center Hill	1,170	56	.	.	45	52	59	73	64	71	56	65
Sumter	13005	The Villages of Marion & Sumter	88,453	150	153	167	148	154	145	145	169	135	94	138
Sumter	13123	Florida Grande Motor Coach Resort	NA	296	90	.	.	.	.	.	.	.	.	NA
Sumter	20597	City of Wildwood Continental CC	1,598	.	.	.	.	.	.	.	57	75	75	69

Source: Prior EWU Reports and Table A-1.

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

# **2018 ESTIMATED WATER USE REPORT**

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**2018 ESTIMATED WATER USE REPORT**

**APPENDIX E**

**UNIFORM PER CAPITA REPORT**

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

## 2018 ESTIMATED WATER USE REPORT

**Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2018**

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)
<b>CHARLOTTE COUNTY</b>														
718	Gasparilla Island Water Ass.	1.497	Y	GW/RO	0.0002	0.000	0.344	1.153	1,988	2.30	4,572	252	0.881	193
871	City of Punta Gorda	5.421	Y	SW	0.451	0.310	0.455	5.106	18,996	1.98	37,660	136	3.475	92
1512	Charlotte Harbor Water Association	0.452	Y	GW/RO	0.000	0.000	0.109	0.343	2,188	2.07	4,529	76	0.262	58
3522	Charlotte County Utilities	0.536	Y	GW/RO	0.000	0.000	0.109	0.427	3,389	2.18	7,396	58	0.301	41
7104	Charlotte Co BOCC	0.000	Y	GW/SW	10.211	0.282	0.099	9.830	61,920	2.20	136,420	72	7.194	53
<b>Charlotte County Totals</b>		<b>7.905</b>			<b>10.662</b>	<b>0.592</b>	<b>1.116</b>	<b>16.859</b>	<b>88,481</b>	<b>2.15</b>	<b>190,577</b>	<b>88</b>	<b>12.113</b>	<b>64</b>
<b>CITRUS COUNTY</b>														
207	City of Crystal River	0.771	Y	GW	0.014	0.000	0.010	0.776	2,308	2.08	4,807	161	0.248	52
419	City of Inverness	1.062	Y	GW	0.000	0.000	0.004	1.059	4,410	2.17	9,571	111	0.564	59
1118	Floral City Water Assoc Inc	0.340	Y	GW	0.000	0.000	0.015	0.325	2,434	2.18	5,313	61	0.252	47
2842	Citrus County Water Resources	2.428	Y	GW	0.000	0.000	0.024	2.403	7,735	2.43	18,761	128	1.692	90
4153	Rolling Oaks Utilities Inc	1.545	Y	GW	0.000	0.000	0.043	1.502	5,642	2.04	11,528	130	1.016	88
4406	Homosassa Special Water District	0.792	Y	GW	0.000	0.018	0.010	0.765	2,490	2.08	5,187	147	0.380	73
6691	Gulf Highway Land Corporation	0.054	Y	GW	0.000	0.000	0.000	0.054	277	2.14	593	90	0.050	85
7121	Citrus County & WRWSA	4.425	Y	GW	0.000	0.356	0.044	4.025	11,134	2.14	23,789	169	2.759	116
9791	Citrus County Water Resources	2.011	Y	GW	0.000	0.000	0.020	1.991	5,894	2.08	12,264	162	1.285	105
11839	GCP Walden Woods One LLC	0.144	Y	GW	0.000	0.000	0.000	0.144	522	1.99	1,041	138	0.111	107
20230	Ozello Water Association Inc	0.000	Y	GW	0.318	0.000	0.000	0.318	2,027	1.99	4,024	79	0.201	50
<b>Citrus County Totals</b>		<b>13.573</b>			<b>0.332</b>	<b>0.374</b>	<b>0.171</b>	<b>13.360</b>	<b>44,873</b>	<b>2.12</b>	<b>96,879</b>	<b>138</b>	<b>8.559</b>	<b>88</b>
<b>DESOTO COUNTY</b>														
4725	City of Arcadia	0.724	Y	GW	0.170	0.000	0.015	0.879	3,799	2.83	10,760	82	0.473	44
20457	DeSoto County Utilities	0.000	Y	SW/GW	0.633	0.193	0.004	0.436	2,540	2.33	5,906	74	0.161	27
<b>DeSoto County Totals</b>		<b>0.724</b>			<b>0.803</b>	<b>0.193</b>	<b>0.019</b>	<b>1.315</b>	<b>6,339</b>	<b>2.58</b>	<b>16,666</b>	<b>79</b>	<b>0.635</b>	<b>38</b>
<b>HARDEE COUNTY</b>														
30	City of Bowling Green	0.216	Y	GW	0.000	0.000	0.001	0.215	1,397	3.57	4,989	43	0.163	33
4461	City of Wauchula	0.658	Y	GW	0.000	0.000	0.013	0.645	2,064	3.10	6,404	101	0.329	51

## 2018 ESTIMATED WATER USE REPORT

**Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2018**

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	0.162	Y	GW	0.000	0.000	0.000	0.162	820	3.51	2,878	56	0.079	27
13026	Hardee County BOCC*	0.130	Y	GW	0.000	0.000	0.003	0.127	895	3.23	2,894	44	0.090	31
<b>Hardee County Totals</b>		<b>1.166</b>			<b>0.000</b>	<b>0.000</b>	<b>0.016</b>	<b>1.150</b>	<b>5,176</b>	<b>3.35</b>	<b>17,165</b>	<b>67</b>	<b>0.661</b>	<b>39</b>
<b>HERNANDO COUNTY</b>														
5789	Hernando County Utilities	17.975	Y	GW	0.000	0.000	0.180	17.796	62,431	2.37	147,768	120	13.004	88
7627	City of Brooksville	1.278	Y	GW	0.000	0.000	0.013	1.265	7,414	2.29	16,978	74	0.657	39
<b>Hernando County Totals</b>		<b>19.253</b>			<b>0.000</b>	<b>0.000</b>	<b>0.193</b>	<b>19.060</b>	<b>69,845</b>	<b>2.33</b>	<b>164,746</b>	<b>116</b>	<b>13.662</b>	<b>83</b>
<b>HIGHLANDS COUNTY</b>														
4167	Aqua Utilities Florida Inc	0.130	Y	GW	0.000	0.000	0.003	0.127	640	2.17	1,388	92	0.068	49
4492	City of Sebring	4.146	Y	GW	0.000	0.000	0.041	4.105	17,322	2.17	37,548	109	2.775	74
4980	Lake Placid Holding Co	0.291	Y	GW	0.000	0.000	0.013	0.279	1,992	2.35	4,672	60	0.226	48
5270	Town of Lake Placid	0.596	Y	GW	0.000	0.000	0.006	0.590	3,162	2.28	7,204	82	0.361	50
6029	City of Avon Park	2.066	Y	GW	0.000	0.000	0.217	1.848	9,012	2.50	22,530	82	1.450	64
7139	Buttonwood Bay Utilities	0.185	Y	GW	0.000	0.000	0.013	0.172	959	1.74	1,666	103	0.120	72
13099	Sun N Lake of Sebring District	0.640	Y	GW	0.000	0.000	0.036	0.604	3,525	2.19	7,720	78	0.372	48
<b>Highlands County Totals</b>		<b>8.054</b>			<b>0.000</b>	<b>0.000</b>	<b>0.329</b>	<b>7.725</b>	<b>36,612</b>	<b>2.20</b>	<b>82,727</b>	<b>93</b>	<b>5.373</b>	<b>65</b>
<b>HILLSBOROUGH COUNTY</b>														
450	City of Temple Terrace	3.932	Y	GW	0.000	0.000	0.415	3.518	12,426	2.37	29,447	119	2.270	77
1776	City of Plant City	6.065	Y	GW	0.008	0.068	0.068	5.937	14,104	2.86	40,274	147	2.683	67
2062	City of Tampa Water Dept	81.022	Y	SW/GW	0.000	2.415	9.308	69.299	223,777	2.41	539,515	128	41.114	76
2285	Davpam Mobile Home	0.134	Y	GW	0.000	0.000	0.001	0.132	400	3.09	1,236	107	0.126	102
6879	The Meadows at Countrywood	0.244	Y	GW	0.000	0.000	0.000	0.244	1,333	1.70	2,270	107	0.242	106
7637	Riverside Golf Course	0.626	Y	GW	0.000	0.000	0.006	0.620	629	2.07	1,305	475	0.237	181
7790	Paradise Village MHP	0.081	Y	GW	0.000	0.000	0.001	0.080	377	2.71	1,023	78	0.074	72
10443	Windemere Utility Company	0.237	Y	GW	0.000	0.000	0.002	0.235	1,022	2.70	2,757	85	0.234	85
20141	Hillsborough County*	0.000	Y	SW/GW	62.884	0.000	0.629	62.255	242,799	2.62	636,252	98	49.552	78
<b>Hillsborough County Totals</b>		<b>92.341</b>			<b>62.892</b>	<b>2.483</b>	<b>10.430</b>	<b>142.320</b>	<b>496,867</b>	<b>2.50</b>	<b>1,254,080</b>	<b>113</b>	<b>96.532</b>	<b>77</b>

## 2018 ESTIMATED WATER USE REPORT

**Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2018**

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)
<b>There were no Public Supply Water Use Permits in the SWFWMD portion of Lake County</b>														
<b>LEVY COUNTY</b>														
5640	City of Williston	0.655	Y	GW	0.000	0.000	0.038	0.617	1,250	2.57	3,209	192	0.189	59
8953	Town of Inglis	0.145	Y	GW	0.000	0.000	0.052	0.093	774	2.13	1,649	56	0.070	43
<b>Levy County Totals</b>		<b>0.800</b>			<b>0.000</b>	<b>0.000</b>	<b>0.090</b>	<b>0.710</b>	<b>2,024</b>	<b>2.35</b>	<b>4,857</b>	<b>146</b>	<b>0.259</b>	<b>53</b>
<b>MANATEE COUNTY</b>														
6392	City of Bradenton	6.315	Y	SW	0.224	0.221	0.311	6.006	30,822	2.24	69,049	87	3.859	56
10963	Town of Longboat Key*	0.000	Y	SW	1.877	0.000	0.050	1.826	10,157	1.77	18,017	101	1.505	84
12443	City of Palmetto*	0.000	Y	SW/GW	1.457	0.011	0.014	1.432	7,026	2.56	17,955	80	0.826	46
13343	Manatee County Utilities	39.583	Y	SW/GW	1.506	8.002	2.046	31.041	152,356	2.34	356,275	87	22.497	63
<b>Manatee County Totals</b>		<b>45.898</b>			<b>5.063</b>	<b>8.234</b>	<b>2.421</b>	<b>40.306</b>	<b>200,361</b>	<b>2.23</b>	<b>461,297</b>	<b>87</b>	<b>28.688</b>	<b>62</b>
<b>MARION COUNTY</b>														
1156	Bay Laurel CDD	3.039	Y	GW	0.000	0.000	0.026	3.013	7,382	1.74	12,870	234	2.607	203
2999	Marion Utilities Inc	0.097	Y	GW	0.000	0.000	0.001	0.096	490	2.28	1,118	86	0.072	64
5643	Utilities Inc of Florida	0.137	Y	GW	0.000	0.000	0.001	0.136	2,895	2.05	5,940	23	0.111	19
6151	Marion County Utilities	4.855	Y	GW	0.000	0.000	0.038	4.817	497	2.04	1,014	4750	3.534	3485
6792	Sun Communities	0.077	Y	GW	0.000	0.000	0.000	0.077	16,246	2.26	36,682	2	0.074	2
7849	Marion Utilities Inc	0.119	Y	GW	0.000	0.000	0.001	0.118	376	1.59	599	197	0.104	174
8005	Century Fairfield Village Ltd	0.071	Y	GW	0.000	0.000	0.005	0.066	480	2.27	1,087	61	0.037	34
8020	Marion Landings	0.127	Y	GW	0.000	0.000	0.000	0.127	286	1.64	470	270	0.099	210
8339	City of Dunnellon	0.971	Y	GW	0.000	0.000	0.010	0.961	598	1.88	1,127	853	0.489	434
8481	Marion Utilities Inc, Spruce Creek	0.647	Y	GW	0.000	0.000	0.003	0.644	2,462	2.56	6,303	102	0.548	87
<b>Marion County Totals</b>		<b>10.140</b>			<b>0.000</b>	<b>0.000</b>	<b>0.085</b>	<b>10.055</b>	<b>31,712</b>	<b>2.03</b>	<b>67,211</b>	<b>150</b>	<b>7.673</b>	<b>114</b>
<b>PASCO COUNTY</b>														
279	Florida Gov Utility Authority	0.203	Y	GW	0.000	0.000	0.002	0.201	1,539	2.39	3,677	55	0.172	47
590	Mad Hatter Utility Inc	0.936	Y	GW	0.000	0.000	0.001	0.934	3,263	2.65	8,654	108	0.724	84
964	C S Water Company Inc	0.080	Y	GW	0.000	0.000	0.000	0.080	404	2.65	1,070	75	0.080	75

## 2018 ESTIMATED WATER USE REPORT

**Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2018**

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)
1631	City of Dade City	1.329	Y	GW	0.000	0.000	0.013	1.316	4,666	2.66	12,414	106	0.847	68
2978	Florida Gov Utility Authority	0.561	Y	GW	0.048	0.000	0.001	0.609	2,740	1.93	5,298	115	0.469	89
3182	Florida Gov Utility Authority	2.321	Y	GW	0.179	0.000	0.078	2.422	13,062	2.41	31,453	77	1.875	60
3590	Utilities Inc of Florida	0.215	Y	GW	0.000	0.000	0.002	0.213	1,856	2.04	3,779	56	0.182	48
3677	Florida Gov Utility Authority	0.000	Y	GW	0.085	0.000	0.000	0.084	714	2.24	1,602	53	0.074	46
3692	City of Port Richey	0.722	Y	GW	0.007	0.000	0.022	0.706	3,144	2.13	6,706	105	0.421	63
4550	City of San Antonio	0.138	Y	GW	0.000	0.000	0.001	0.137	623	2.58	1,606	85	0.105	66
4669	Hudson Water Works Inc	0.625	Y	GW	0.000	0.000	0.006	0.619	3,419	2.06	7,044	88	0.393	56
4734	City of New Port Richey	0.463	Y	GW	4.850	1.993	0.053	3.267	15,865	2.13	33,837	97	1.775	52
6040	City of Zephyrhills	2.373	Y	GW	0.000	0.000	0.033	2.340	13,346	2.21	29,474	79	1.268	43
7999	Florida Gov Utility Authority	0.129	Y	GW	0.000	0.000	0.001	0.128	728	2.76	2,010	64	0.116	58
8417	Florida Gov Utility Authority	0.109	Y	GW	0.292	0.000	0.002	0.399	3,368	2.30	7,745	52	0.303	39
11863	Pasco Co Utilities	3.015	Y	GW	28.183	0.760	0.338	30.100	118,275	2.47	292,493	103	21.952	75
<b>Pasco County Totals</b>		<b>13.220</b>			<b>33.643</b>	<b>2.753</b>	<b>0.555</b>	<b>43.555</b>	<b>187,012</b>	<b>2.35</b>	<b>448,862</b>	<b>97</b>	<b>30.759</b>	<b>69</b>
<b>PINELLAS COUNTY</b>														
742	City of Tarpon Springs	3.476	Y	GW/ RO	0.008	0.038	0.915	2.530	11,885	2.25	26,795	94	1.686	63
2980	City of Dunedin	4.655	Y	GW/ RO	0.000	0.000	1.194	3.461	22,612	2.02	45,686	76	2.436	53
2981	City of Clearwater	7.692	Y	GW/ RO	4.422	0.000	1.018	11.096	60,951	2.15	130,939	85	6.754	52
7692	Town of Belleair	0.801	Y	GW	0.001	0.000	0.016	0.787	2,563	2.15	5,505	143	0.644	117
10795	City of Gulfport*	0.000	Y	GW	0.927	0.000	0.000	0.927	7,650	1.98	15,112	61	0.724	48
11218	City of Oldsmar*	1.845	Y	GW/ RO	0.008	0.000	0.462	1.391	6,429	2.49	16,034	87	0.867	54
11245	City of Safety Harbor*	0.000	Y	GW	1.439	0.000	0.000	1.439	6,535	2.33	15,252	94	1.439	94
12351	City of Pinellas Park*	0.000	Y	GW	4.624	0.000	0.000	4.624	37,200	2.29	85,312	54	3.404	40
20142	Pinellas County*	0.000	Y	GW	48.433	10.537	0.829	37.067	229,084	2.13	488,634	76	26.997	55
20143	City of St Petersburg*	0.000	Y	GW	28.104	0.924	0.186	26.994	155,268	2.16	335,677	80	16.450	49
<b>Pinellas County Totals</b>		<b>18.468</b>			<b>87.965</b>	<b>11.500</b>	<b>4.618</b>	<b>90.315</b>	<b>540,177</b>	<b>2.20</b>	<b>1,164,946</b>	<b>78</b>	<b>61.400</b>	<b>53</b>

## 2018 ESTIMATED WATER USE REPORT

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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)
<b>POLK COUNTY</b>														
341	City of Bartow	3.085	Y	GW	0.000	0.000	0.354	2.730	8,921	2.72	24,295	112	1.614	66
645	City of Fort Meade	0.548	Y	GW	0.000	0.000	0.013	0.535	2,051	2.88	5,909	91	0.370	63
1625	Four Lakes Golf Club Ltd	0.301	Y	GW	0.000	0.000	0.003	0.298	814	1.81	1,477	202	0.195	132
2332	Town of Lake Hamilton	0.241	Y	GW	0.000	0.000	0.002	0.238	706	2.50	1,765	135	0.127	72
3415	Orchid Springs Development Corp	0.060	Y	GW	0.002	0.000	0.000	0.063	505	2.02	1,021	61	0.058	57
4005	Crooked Lake Park Water Company	0.236	Y	GW	0.000	0.000	0.017	0.219	1,011	2.62	2,648	83	0.151	57
4607	City of Winter Haven	9.587	Y	GW	0.000	0.001	0.096	9.490	33,845	2.42	81,873	116	6.191	76
4658	City of Lake Wales	2.592	Y	GW	0.022	0.000	0.026	2.588	9,162	2.46	22,500	115	1.645	73
4912	City of Lakeland	20.893	Y	GW	0.000	0.294	0.034	20.564	69,528	2.48	172,557	119	13.242	77
5251	Grenelefe Resort LLC	0.979	Y	GW	0.000	0.000	0.002	0.977	1,229	2.31	2,835	345	0.382	135
5750	City of Davenport	1.255	Y	GW	0.000	0.000	0.000	1.255	3,521	2.91	10,241	123	1.052	103
5870	City of Frostproof	0.407	Y	GW	0.000	0.000	0.004	0.403	1,426	2.44	3,486	116	0.177	51
5893	Town of Dundee	0.650	Y	GW	0.000	0.000	0.000	0.650	2,196	2.71	5,943	109	0.489	82
6124	City of Mulberry	0.392	Y	GW	0.000	0.000	0.003	0.389	1,791	2.53	4,524	86	0.209	46
6174	Saddlebag Lake Owners Assoc	0.088	Y	GW	0.000	0.000	0.000	0.088	795	1.71	1,362	64	0.086	63
6505	Polk County Utilities	2.445	Y	GW	0.146	0.000	0.019	2.572	12,286	2.72	33,426	77	2.315	69
6506	Polk County Utilities	3.273	Y	GW	0.048	0.044	0.050	3.228	15,988	2.86	45,743	71	2.737	60
6507	Polk County Utilities	0.992	Y	GW	0.000	0.000	0.015	0.977	5,243	2.79	14,631	67	0.849	58
6508	Polk County Utilities	0.583	Y	GW	0.000	0.000	0.009	0.575	1,611	2.74	4,411	130	0.224	51
6509	Polk County Utilities	5.304	Y	GW	2.176	0.130	0.014	7.336	26,579	2.64	70,058	105	6.347	91
6624	City of Lake Alfred	0.954	Y	GW	0.000	0.000	0.000	0.954	3,034	2.44	7,406	129	0.750	101
6920	City of Eagle Lake	0.341	Y	GW	0.000	0.000	0.019	0.322	1,332	3.12	4,153	77	0.262	63
7119	City of Auburndale	4.746	Y	GW	0.000	0.000	0.000	4.746	12,076	2.61	31,553	150	2.570	81
7187	CHC VII Ltd Century Realty Fund	0.263	Y	GW	0.000	0.000	0.003	0.260	869	1.73	1,503	173	0.102	68
7328	Carefree RV Country Club	0.123	Y	GW	0.000	0.000	0.000	0.123	500	1.99	994	124	0.076	76
7878	Florida Gov Utility Authority	0.140	Y	GW	0.000	0.000	0.001	0.139	847	2.77	2,346	59	0.112	48

## 2018 ESTIMATED WATER USE REPORT

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8054	Polk County Utilities	0.491	Y	GW	0.000	0.018	0.008	0.465	2,528	2.54	6,425	72	0.322	50
8344	S V Utilities Ltd	0.140	Y	GW	0.000	0.000	0.001	0.139	705	1.99	1,405	99	0.097	69
8468	City of Polk City	0.356	Y	GW	0.000	0.000	0.000	0.356	2,376	2.67	6,353	56	0.300	47
8522	City of Haines City	4.898	Y	GW	0.000	0.000	0.191	4.707	13,437	2.87	38,550	122	3.474	90
8967	Sweetwater Community Inc	0.108	Y	GW	0.000	0.000	0.000	0.108	416	1.70	706	152	0.077	108
12800	Polk Co BOCC Jordan's Grove	0.118	Y	GW	0.030	0.000	0.000	0.148	166	3.35	556	266	0.081	146
13043	Cypress Lakes Utilities Inc	0.184	Y	GW	0.000	0.000	0.008	0.176	1,601	1.89	3,032	58	0.146	48
<b>Polk County Totals</b>		<b>66.773</b>			<b>2.424</b>	<b>0.488</b>	<b>0.893</b>	<b>67.817</b>	<b>239,095</b>	<b>2.48</b>	<b>615,685</b>	<b>110</b>	<b>46.828</b>	<b>76</b>
<b>SARASOTA COUNTY</b>														
2923	City of North Port	2.035	Y	SW/RO	1.180	0.013	0.094	3.108	22,770	2.43	55,331	56	1.981	36
4318**	City of Sarasota Public Works	8.061	Y	GW	0.000	0.000	1.748	6.313	31,123	2.08	64,736	98	3.669	57
4866	Englewood Water District	3.869	Y	GW/RO	0.000	0.118	0.977	2.774	19,687	1.91	37,526	74	1.962	52
5393	City of Venice	4.465	Y	GW/RO	0.000	0.000	2.359	2.106	18,804	1.77	33,214	63	1.357	41
5807	Camelot Communities MHP	0.324	Y	GW/RO	0.000	0.000	0.000	0.324	969	1.92	1,865	174	0.324	174
7448	Sun-N-Fun RV Resort	0.065	Y	GW/RO	0.000	0.000	0.011	0.054	1,519	1.91	2,908	26	0.047	26
8836	Sarasota County BOCC	3.676	Y	GW/RO	16.809	0.748	0.750	18.988	114,366	2.10	240,164	79	13.754	57
<b>Sarasota County Totals</b>		<b>22.495</b>			<b>17.989</b>	<b>0.878</b>	<b>5.939</b>	<b>33.667</b>	<b>209,238</b>	<b>2.02</b>	<b>435,743</b>	<b>77</b>	<b>23.093</b>	<b>53</b>
<b>SUMTER COUNTY</b>														
1368	Lake Panasoffkee Water Assoc	0.256	Y	GW	0.000	0.000	0.000	0.256	1,886	2.26	4,261	60	0.207	48
6519	City of Bushnell	0.484	Y	GW	0.000	0.000	0.000	0.484	1,612	2.41	3,880	125	0.105	27
7185	City of Webster	0.081	Y	GW	0.000	0.000	0.000	0.081	345	2.78	959	84	0.043	45
8135	City of Wildwood	2.100	Y	GW	0.000	0.000	0.000	2.100	5,733	2.32	13,277	158	0.671	51
8193	City of Center Hill	0.066	Y	GW	0.000	0.000	0.000	0.066	375	3.12	1,170	56	0.052	45
13005	The Villages of Marion & Sumter	19.463	Y	GW/SW	0.000	0.000	0.185	19.278	49,636	1.84	91,120	212	15.823	174
20597	Continental Country Club	0.127	Y	GW	0.000	0.000	0.006	0.120	939	1.73	1,622	74	0.081	50
<b>Sumter County Totals</b>		<b>22.578</b>			<b>0.000</b>	<b>0.000</b>	<b>0.192</b>	<b>22.386</b>	<b>60,526</b>	<b>2.35</b>	<b>116,288</b>	<b>193</b>	<b>16.981</b>	<b>146</b>
<b>DISTRICT TOTALS</b>		<b>343.387</b>			<b>221.773</b>	<b>27.495</b>	<b>27.066</b>	<b>510.599</b>	<b>2,218,338</b>	<b>2.35</b>	<b>5,137,729</b>	<b>99</b>	<b>353.215</b>	<b>69</b>

# **2018 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, DS = Groundwater Desalination (Reverse Osmosis or Electrodialysis)
  - 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 2018 data was submitted, the estimated housing units served was based on parcel-level BEBR-MED projections published in 2018 (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 2018 data was received, the estimated housing units served was based on parcel-level BEBR-MED Projections published in 2018 (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.



**2018 ESTIMATED WATER USE REPORT**

**APPENDIX F**

**ESTIMATED WATER USE REPORT  
HISTORY AND METHODOLOGY**

# **2018 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. These codes are alphanumeric, and the letter prefix of the code defines which of the seven predominant water use categories it belongs to:

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- 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**

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.

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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 2018 EWU Report was last queried on October 25, 2018.

### **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:

<b>A705</b>	Dewatering to On-Site for Agricultural Purposes
<b>P011</b>	Augmentation for Replacement Quantities
<b>P085</b>	Significant Use (identifies major public supply utility customers)
<b>P110</b>	Quantities Supplied by External Source
<b>P170</b>	Reuse Water Provided to Customers W/I Service Area
<b>P175</b>	Reuse Water Supplied W/I Service Area not for Use
<b>P180</b>	Reuse Water Provided to Customers outside of Service Area
<b>R400</b>	Reuse Water Received from a Utility
<b>R401</b>	Reuse Water Generated on Site
<b>R405</b>	Closed Loop Heating and Cooling
<b>I417</b>	Closed Loop Heating and Cooling
<b>I701</b>	Closed Loop Non-Consumptive Heating and Cooling
<b>I825</b>	Non-Power-Plant Non-Consumptive Cooling
<b>I856</b>	Reuse Water Quantities Received
<b>I857</b>	Reuse Water Quantities Used
<b>I866</b>	Power Plant Seawater Cooling
<b>M985</b>	Recirculated Mining Quantities
<b>N506</b>	Reuse Water Generated on Site
<b>N507</b>	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:

<b>D</b>	Domestic
<b>GI</b>	Geothermal Injection
<b>J</b>	Injection
<b>RC</b>	Recharge of aquifer with no recovery
<b>RP</b>	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:

<b>AR</b>	Alternative source plus repump
<b>AS</b>	Aquifer Storage and Recovery
<b>AW</b>	Alternative water supply that is neither reclaimed water nor captured stormwater
<b>CB</b>	Dewatering quantities that are recycled on-site
<b>CL</b>	Closed loop heating or cooling
<b>EF</b>	Effluent line into property (typically reclaimed water imports)

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<b>F</b>	Foundation test well (very short-term use)
<b>FM</b>	FARMS reservoir pumpage
<b>MR</b>	Mixed repump of surface water and alternative source
<b>O</b>	Observation well aquifer test
<b>RS</b>	Repump of groundwater plus stormwater
<b>RU</b>	Repump of reclaimed water
<b>SR</b>	Surface water plus repump of groundwater
<b>ST</b>	Stormwater received from another entity
<b>T</b>	Test well
<b>TR</b>	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 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.

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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 compile similar uses, conduct summations by categories, and calculate water use estimates for all non-metered withdrawal points.

Scaling. If the sum of a WUP’s active withdrawal points’ permit quantities do not 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. This process apportions withdrawal totals to the water use categories if a WUP is coded with two or more predominant use categories and is based on each use’s permitted quantity. 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 inspects the calculated shares of several significantly large WUPs for quality assurance.

Quantity Tiers. For estimation purposes, all active withdrawal points are assigned into one of four “tiers” according to their 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.

Each size tier is divided into the seven predominant use categories making 28 “use-tiers.” A ratio for each predominant use, size tier, and month is calculated based on the representative pumped/permitted quantity ratio for each block. The monthly pumpage from all metered withdrawal points are analyzed to create the pumped/permitted ratios. The ratio values are sorted into an ordered distribution from smallest to largest ratio for statistical analysis.

In a normal distribution, the 50<sup>th</sup> percentile (median) is equal to the average (mean) value. If the distribution is skewed, the median is not equal to the mean. The metered pumpage 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 could have on the mean average, percentiles are used to select the most plausible ratios for estimation. A range of percentiles from the 50<sup>th</sup> through the 80<sup>th</sup> 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 2018 EWU Report are provided in Table F-1 below.

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**TABLE F-1: Monthly pumped/permited Ratios used for Water Use Estimates, 2018**

Predominant Use Type	Size Tier	Monthly Ratios												Annual Ave	Selected Percentile
		1	2	3	4	5	6	7	8	9	10	11	12		
Agriculture	1	1.53	1.01	1.30	1.21	0.64	0.22	0.17	0.18	0.37	1.49	0.84	0.40	0.780	P70
Agriculture	2	1.10	0.82	1.09	0.99	0.52	0.12	0.05	0.05	0.20	0.96	0.66	0.34	0.575	P60
Agriculture	3	0.68	0.66	0.83	0.77	0.42	0.06	0.00	0.01	0.18	0.79	0.59	0.30	0.441	P60
Agriculture	4	0.02	0.03	0.06	0.46	0.20	0.00	0.00	0.00	0.13	0.39	0.14	0.00	0.119	P65
Industrial/Com	1	0.39	0.39	0.39	0.41	0.37	0.34	0.35	0.32	0.40	0.36	0.38	0.35	0.371	P65
Industrial/Com	2	0.68	0.75	0.92	0.91	0.59	0.28	0.43	0.47	0.54	0.59	0.85	0.45	0.622	P60
Industrial/Com	3	0.36	0.46	0.31	0.28	0.50	0.44	0.48	0.36	0.32	0.24	0.32	0.12	0.349	P55
Industrial/Com	4	0.46	0.26	0.37	0.53	0.55	0.54	0.49	0.43	0.51	0.49	0.43	0.32	0.448	P60
Institutional	1	2.85	0.06	0.24	0.07	0.25	0.12	0.06	0.05	0.05	3.07	2.28	1.82	0.910	P55
Institutional	2	1.44	0.04	0.22	0.04	0.13	0.07	0.03	0.02	0.02	2.14	2.18	1.02	0.613	P50
Institutional	3	0.85	0.79	0.94	0.91	0.58	0.45	0.73	0.55	1.05	0.82	0.93	0.00	0.717	P50
Institutional	4	0.85	0.79	0.94	0.91	0.58	0.45	0.73	0.55	1.05	0.82	0.93	0.00	0.717	P50
Landscape/Rec	1	0.56	0.78	0.85	0.81	0.68	0.62	0.47	0.32	0.38	0.64	0.67	0.42	0.600	P65
Landscape/Rec	2	0.36	0.52	0.67	0.63	0.51	0.26	0.15	0.16	0.16	0.39	0.54	0.19	0.378	P60
Landscape/Rec	3	0.37	0.52	0.77	0.78	0.51	0.48	0.25	0.24	0.23	0.67	0.59	0.24	0.471	P55
Landscape/Rec	4	0.81	1.06	1.09	1.21	0.97	0.75	0.62	0.77	0.38	1.29	0.80	0.67	0.868	P55
Mining/Dew	1	0.36	0.36	0.34	0.33	0.36	0.35	0.38	0.34	0.39	0.45	0.54	0.54	0.395	P70
Mining/Dew	2	0.99	0.83	0.85	1.00	0.97	0.92	0.70	0.95	0.85	0.66	1.00	0.54	0.855	P55
Mining/Dew	3	0.54	0.47	0.42	0.45	0.50	0.48	0.48	0.48	0.31	0.40	0.47	0.42	0.452	P50
Mining/Dew	4	0.48	0.27	0.52	0.17	0.20	0.06	0.22	0.15	0.15	0.16	0.00	0.12	0.208	P60
Other	1	0.54	0.20	0.31	0.28	0.71	0.29	0.84	0.46	0.09	0.20	0.21	0.46	0.383	P80
Other	2	0.54	0.20	0.31	0.28	0.71	0.29	0.84	0.46	0.09	0.20	0.21	0.46	0.383	P80
Other	3	0.54	0.20	0.31	0.28	0.71	0.29	0.84	0.46	0.09	0.20	0.21	0.46	0.383	P80
Other	4	0.54	0.20	0.31	0.28	0.71	0.29	0.84	0.46	0.09	0.20	0.21	0.46	0.383	P80
Public Supply	1	1.15	0.95	1.40	1.36	1.03	0.73	0.74	0.65	0.74	0.98	1.24	1.00	0.998	P70
Public Supply	2	0.80	0.89	0.83	0.84	0.90	0.86	0.67	0.77	0.69	0.82	0.81	0.70	0.798	P60
Public Supply	3	0.64	0.72	0.79	0.78	0.71	0.67	0.66	0.62	0.63	0.70	0.71	0.67	0.692	P55
Public Supply	4	0.70	0.80	0.89	0.79	0.73	0.78	0.70	0.69	0.70	0.81	0.77	0.72	0.757	P60

Estimating Withdrawals for Unmetered WUPs. All the active non-metered WUP withdrawal points are sorted by their use-tiers. 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. Listings of the WUPs are generated according to county, use type, annual average withdrawal, and permitted quantities. The author uses the program output to generate most of the charts, tables, and appendices in the EWU report. PSAR data is the primary source for public supply, but the PSAR data is cross-checked with the SAS output for quality assurance.

Since the domestic self-supply withdrawals are not permitted, nor have pumpage records, the estimates are calculated separately and are discussed below.

### **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

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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 the 2013 and earlier EWU reports, the rural population was calculated as the difference between a countywide functional population and the sum of all the utility-served functional populations, as reported in the PSARs. The old approach led to some year-to-year inconsistencies due to the nature of mixing data from multiple sources and methodologies.

The population data was queried from a U.S. Census parcel-level, centroid-point based, population shapefile that includes permanent/seasonal, tourist, and net commuter populations. The selected census points were inside the District boundary and outside of polygons for active public supply utility service areas. The 2018 population was interpolated between 2015 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/2015-regional-water-supply-plan>.

### **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 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 map, selecting the WMIS hyperlink, and looking under the “documents” tab:

<https://www.swfwmd.state.fl.us/business/epermitting/water-use-permit>.