

# Southwest Florida Water Management District 2021 Estimated Water Use Report



Waiting for sunrise over Tampa Bay  
Photo by John Ferguson

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# Southwest Florida Water Management District

# 2021 Estimated Water Use Report

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

December 29, 2022

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#### Suggested citation:

Ferguson, J. F., Hampton, C; 2022, Southwest Florida Water Management District, 2021 Estimated Water Use Report: Southwest Florida Water Management District, 239 p.

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# **2021 ESTIMATED WATER USE REPORT**

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# **2021 ESTIMATED WATER USE REPORT**

## **EXECUTIVE SUMMARY**

The Estimated Water Use (EWU) Report summarizes the withdrawal and use of water from natural resources in the Southwest Florida Water Management District (District). The EWU Report is a source for a variety of water supply planning and management purposes; however, it's independent of the District's compliance evaluation for conditions of water use permits (WUPs). The report is based primarily on statistical analyses of metered pumpage records in the District's Water Management Information System (WMIS). Metered sources account for 86 percent of the total withdrawals reported.

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

**Table ES-1. Districtwide Water Withdrawals and Use (mgd) in 2021.**

<b>Category</b>	<b>Withdrawal</b>	<b>Use</b>
Public Supply	599.4	575.4
Domestic Self Supply	38.1	38.1
Landscape/Recreation	58.0	58.0
Agriculture	322.8	322.8
Mining/Dewatering	14.6	14.6
Industrial/Commercial	58.9	58.9
Institutional	0.9	0.9
"Other" Uses	2.6	2.6
<b>Total</b>	<b>1,095.3</b>	<b>1,071.3</b>

Source: Table 9

For all categories except public supply, the quantity of water withdrawn is assumed to be the amount used, since the water was likely withdrawn at the same time and general location of its use.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

As shown, the total amount of water withdrawn in the District from natural resources was 1,095.3 mgd. The total water used was 1,071.3 mgd. Most withdrawals were for public supply at 55 percent of total withdrawals, followed by agriculture at 29 percent of withdrawals.

### **PUBLIC SUPPLY**

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

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

The 599.4 mgd of public supply withdrawals in 2021 are up from the 588.4 mgd in 2020. After accounting for changes in storage and losses from treatment and transmission, the public supply use quantity is 575.4 mgd, which is up from the 560.3 mgd used in 2020.

The water used for public supply was distributed to a functional population of approximately 5.6 million persons. The unadjusted gross use per person was 100 gallons per capita per day (gpcd) Districtwide. Applying various deductions, the "adjusted gross per capita" was 99 gpcd, the "compliance per capita" was 93 gpcd, and the "residential per capita" was 69 gpcd. The multiple per capita measures are explained in the public supply chapter of this report.

### **DOMESTIC SELF-SUPPLY**

The District does not regulate or meter domestic self-supply withdrawals, so this category is wholly estimated. An estimated rural population of 497,845 persons living outside of utility service areas used 38.1 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 2021 was 58 mgd, which is down from 59.3 mgd in 2020. Irrigation of golf course play areas account for 49 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 2021 was 322.8 mgd, which was up from 307.9 mgd in 2020. Citrus crops accounted for 57 percent of the agriculture use total.

## **2021 ESTIMATED WATER USE REPORT**

### **MINING/DEWATERING**

The mining/dewatering quantities represent only the water consumed from natural resources. Mining operations recirculate much of their water supply on-site and utilize alternative water sources if available. Consumptive uses include processing of mined materials (on-site), non-recycled or make-up slurry transport water, dewatering quantities that are discharged off-site, water entrained with the product, and water for potable/sanitary use by employees. The annual average use in 2021 was 14.6 mgd, which was down from the 17.6 mgd in 2020. Phosphate mining accounted for 96 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 2021 was 58.9 mgd, which was up from the 54.5 mgd in 2020. Off-site phosphate processing accounted for 41% of the total, and power generation uses (non-seawater) accounted for 18 percent.

### **INSTITUTIONAL AND OTHER USES**

The “institutional” and “other” use type categories were adopted by the District in 2014. The two categories are combined into one chapter of this report since the permitted quantities are relatively small.

The institutional use category includes hospitals, schools, and other facilities that were historically categorized as industrial/commercial or public supply. Institutional uses averaged 0.9 mgd in 2021.

The permitted “other” uses are primarily for environmental augmentation to maintain levels in surface water bodies if they fall below trigger elevations defined by environmental management plans. In 2021 the “other” uses were approximately 2.6 mgd.

### **WATER USE CAUTION AREAS**

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

*SWUCA:* A quantity of 594.2 mgd was withdrawn in the SWUCA, of which 489.1 mgd was from groundwater and 105.1 mgd was from surface water. The largest water use category in the SWUCA was agriculture at 268.1 mgd.

*MIA of the SWUCA:* A quantity of 94.2 mgd was withdrawn by WUPs in the MIA of the SWUCA, of which 55.9 mgd was from groundwater. Public supply accounted for 47.7 mgd of the withdrawals, but 37.4 mgd of the public supply was from surface water sources.

*Northern Tampa Bay WUCA (NTB WUCA):* A quantity of 318.5 mgd was withdrawn in the NTB WUCA in 2021, of which 177.4 mgd was from groundwater. The largest use category in the NTB WUCA was public supply at 270.2 mgd, although more than half of the public supply was from surface water sources.

*Dover/Plant City WUCA (DPC WUCA):* A quantity of 51.1 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 public supply at 25.0 mgd. There were two consecutive frost nights in February 2021.



# **2021 ESTIMATED WATER USE REPORT**

## **INTRODUCTION**

The Estimated Water Use (EWU) Report is an annual summary of water withdrawals and use from natural resources in the Southwest Florida Water Management District (District). The District is one of five regional water management districts created by the Florida Legislature, with jurisdictional boundaries based primarily on watershed drainage basins. The District's mission is to protect water resources, minimize flood risks, and ensure the public's water needs are met. The EWU Report provides data for a variety of water supply planning and management purposes. The majority of the water use quantified in the EWU Report is based on metered withdrawals, as required under the District's water use permits (WUPs).

## **DISTRICT AND WUCA GEOGRAPHICAL BOUNDARIES**

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. The EWU Report includes water use by predominant use types for the portion of county within the District's boundary.

Figure 1 shows the District's boundaries, along with the boundaries of Water Use Caution Areas (WUCAs) defined within the District:

- Southern WUCA (SWUCA),
- Most Impacted Area (MIA) of the SWUCA,
- Northern Tampa Bay WUCA (NTB WUCA),
- Dover/Plant City WUCA (DPC WUCA).

The WUCAs are areas where recovery strategies are needed to address water resource impacts. Strategies include enhanced regulatory requirements, engineering projects, and other management tools. WUPs within the WUCAs have specific meter and pumpage reporting requirements. The region defined as the MIA is a special area within the SWUCA where permitting of new quantities that impact the Upper Floridan aquifer water level is currently suspended.

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 EWU also quantifies water use for two Watershed Priority Areas of the Facilitating Agricultural Resource Management Systems (FARMS) Program. The FARMS Program is an agricultural cost-share reimbursement program that reduces groundwater withdrawals from the Upper Floridan aquifer through conservation and best management practices. Figure 2 shows the two FARMS Watershed Priority Areas.

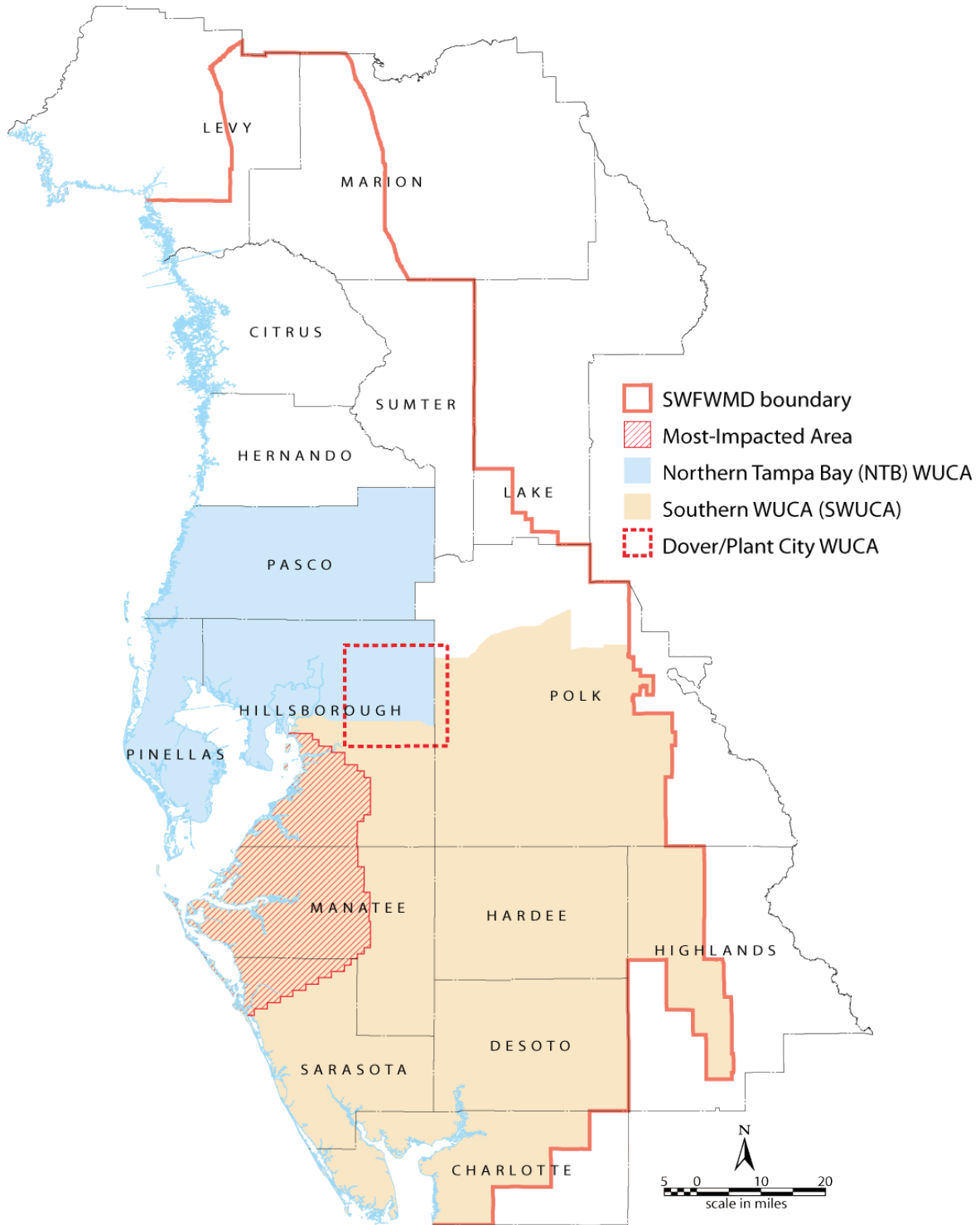
More information on each WUCA, their recovery strategies, and the FARMS Program is available at: <https://www.swfwmd.state.fl.us/projects>.

The Central Florida Water Initiative (CFWI) is a water supply planning area overlapping three water management districts in central Florida. It was established for collaborative planning efforts among the districts and other agencies. The District's portion of the CFWI planning area matches the political boundaries of Polk and Lake Counties within the District, so CFWI-specific totals are not included because data from the two counties can be easily combined if needed.

## **HISTORY OF DISTRICT EWU REPORTS**

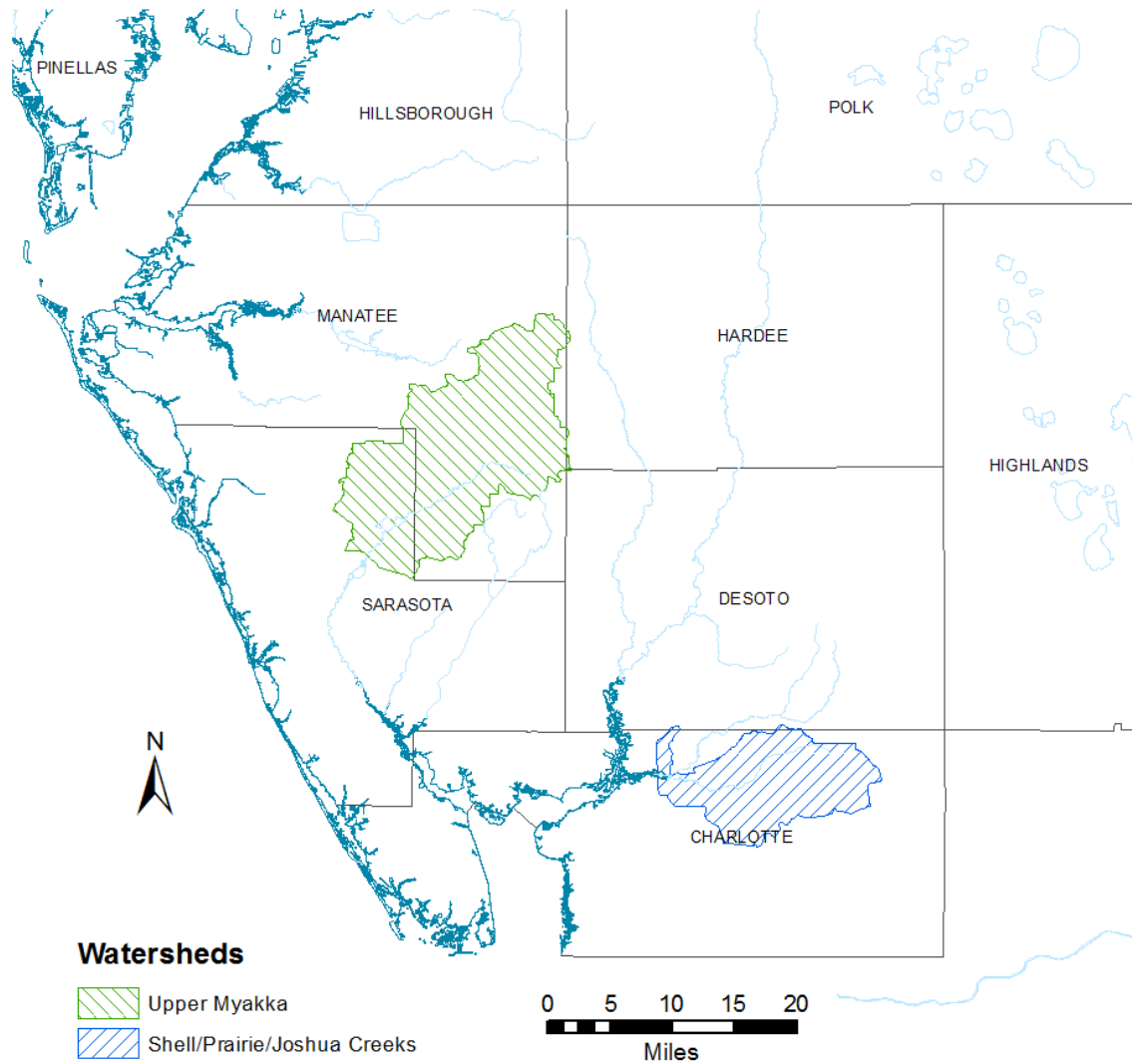
The District has prepared Estimated Water Use (EWU) reports since 1982. Through 1986, the reports were a cooperative effort between the District and U.S. Geological Survey (USGS). Beginning in 1987, the District published these reports on an annual or bi-annual basis. Prior to 1992, the EWU reports relied on non-documented sources such as data from the Benchmark Farm Program for agricultural WUPs, voluntary survey responses for public supply, the Bureau of Economic and Business Research (BEBR) population information for domestic use, and reported meter data for industrial use and power generation use. Beginning in 1992, the EWU reports were based on the metered water use data as a growing number of WUPs were required to report their metered withdrawals on a monthly basis. The water use methodology has been fairly consistent since the 1994 EWU Report, so 1994 is a recommended first year for historic/multi-year evaluations.

# 2021 ESTIMATED WATER USE REPORT



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

# 2021 ESTIMATED WATER USE REPORT



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

## **2021 ESTIMATED WATER USE REPORT**

### **EWU REPORT DATA SOURCES**

The water use data was primarily derived from WUP-reported withdrawals in the District's Water Management Information System (WMIS) database. Most of the water quantities are from empirical data; metered withdrawal points (groundwater wells or surface water intakes) that are routinely reported by permittees. The non-metered withdrawal points are estimated by ratio of the metered withdrawals per permitted quantity. Sets of estimation ratios are calculated by month, predominant use type, and by four tiers of well/intake permit quantity size. A detailed methodology explanation is provided in Appendix F. Since this report's total water use contains an element of estimation, it's collectively known as the "Estimated Water Use Report."

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

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

Most unmetered WUPs are issued for less than 100,000 gpd on an annual average basis. There are still some small withdrawal points permitted for less than 100,000 gpd that are metered to monitor for potential environmental or resource impacts. Some are also metered because they are included on larger permits. These sources create proportional metered data that benefit the estimation process.

### **WATER USE CATEGORIES**

The chapters of the EWU Report are sorted by seven broad "predominant use" categories that define the uses of the water:

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

The institutional and "other" are separate categories, but their current uses are relatively small, so they share a combined section in this report. Figure 3 shows the distribution of withdrawal points within the District by predominant use categories.

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

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

# 2021 ESTIMATED WATER USE REPORT

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

### Agricultural

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

### Industrial/Commercial

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

### Landscape/Recreation

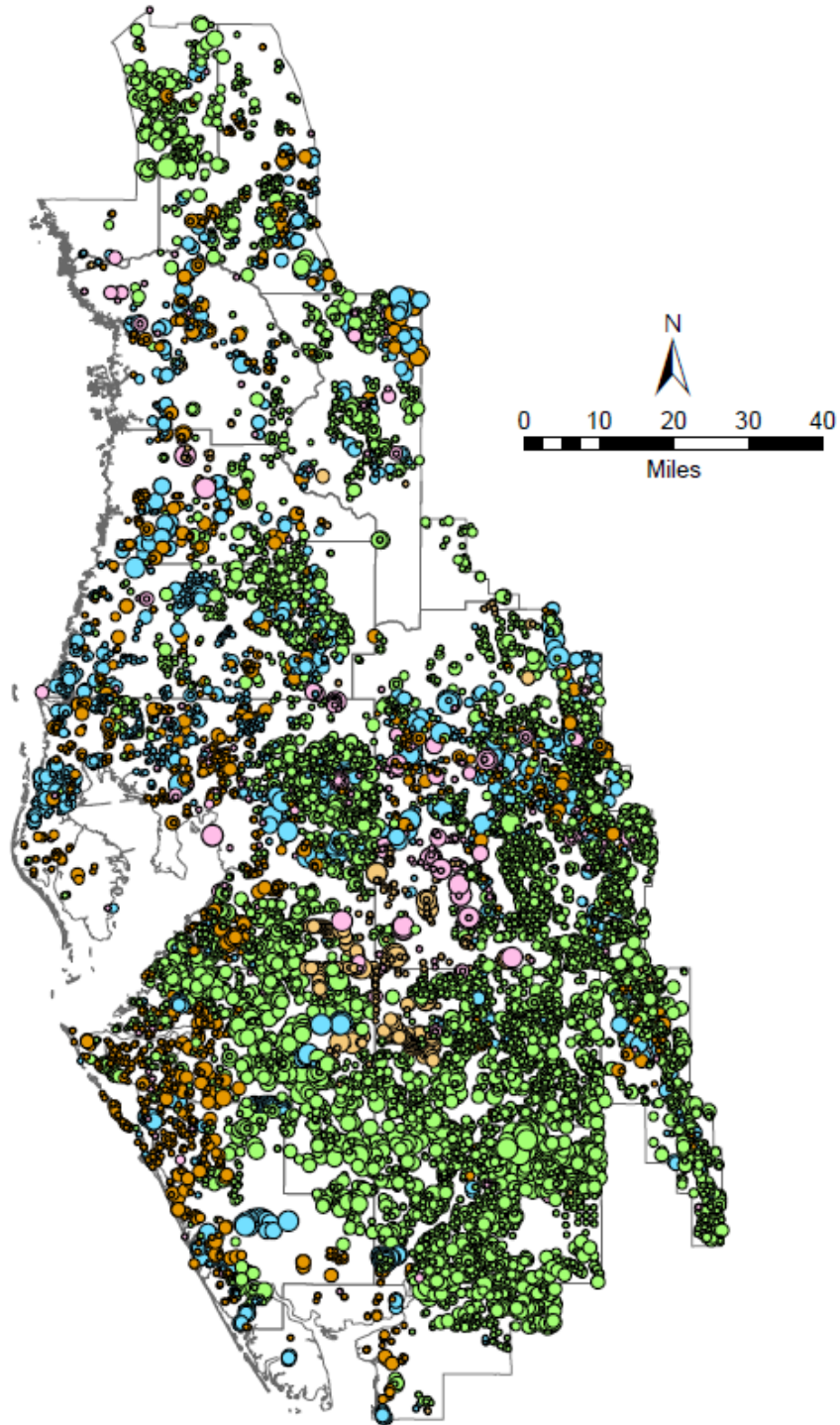
- 1 to 50k
- 50k to 100k
- 100k to 500k
- 500k to 1M
- > 1M

### Mining/Dewatering

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

### Public Supply

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



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

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### **AUGMENTATION AND REPUMPED WATER**

The EWU Report focuses on withdrawals from natural resources, but permittees may report pumpage for other reasons such as alternative supply imports or onsite transfers of blended water sources.

Withdrawals from natural resources that are sent to irrigation ponds are considered “augmentation pumpage” and are included as withdrawals in this report. Repumped quantities from irrigation ponds to their end use are excluded because they are not directly withdrawn from natural water resources. Repumped quantities may have been previously counted as augmentation, and may have been blended with reclaimed water or captured stormwater.

Agricultural crop irrigation estimates derived from this report should consider that permittees may have used repumped tailwater, stormwater, or reclaimed water that have reduced the amount of withdrawals from natural resources. Actual crop application rates may be greater than resource withdrawals in this report where alternative supplies, captured stormwater, and recirculated quantities have been utilized

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

Captured stormwater is not regulated by the District and isn’t quantified by most users. Captured stormwater use typically isn’t included in this report, except for a few public supply utilities that use a large amount of stormwater for irrigation and quantify its use in annual reports.

### **MITIGATION WITHDRAWALS**

Environmental mitigation pumpage of groundwater to surface water bodies is included in this report on a case-by-case basis. Sometimes withdrawals from a shallow well to a small water body are excluded because a substantial portion of water quickly percolates back into a poorly confined aquifer, so the quantity is assumed to be largely recirculated. Mitigation pumpage is usually classified in the same predominant use category that caused the impact, although a growing number of mitigation withdrawals are being categorized in the “other” use type.

### **ALTERNATIVE WATER SUPPLY REQUIREMENTS**

The District may require a permittee to use reclaimed water or other alternative water supply in place of natural resources when the alternative supply is available, is feasible, and the water has the quality and reliability necessary for the use. For WUPs where an alternative supply is the primary source, there may be a permitted “standby” quantity from natural resources 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 because they were mostly or solely utilizing an alternative source.

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

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.

*Annual Average Units:* All quantities in this report are annual average daily units of “million gallons per day” (mgd) unless otherwise indicated.

*Small Wells:* A WUP is not required if the intended withdrawals are less than 100,000 gpd and the well is less than 6 inches in diameter, or the surface water withdrawal pipe is less than 4 inches in diameter. In the MIA of the SWUCA, a WUP is required when the cumulative outside diameter of the user’s well is greater than 6 inches and the well was constructed after April 11, 1994. Some unregulated withdrawals occur that aren’t identified and quantified for the EWU Report.

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

*Meter Reporting Errors:* This report was compiled by analyzing approximately 322,000 monthly and daily pumpage/meter readings

## **2021 ESTIMATED WATER USE REPORT**

received from permittees. Some reporting errors are inevitable. Obvious errors such as misplaced decimals or uncorrected meter rollovers are fixed when found. Despite quality control efforts, some errors can be masked by being within the realm of possibility, or by the fact that some use types will vary greatly by season or annually. The author corrects obvious errors found in historical pumpage data and reports them to the District's regulatory staff. However, corrections to historical records in the WMIS database require written consent from the permittee, who may not be respondent. This may create discrepancies between the EWU Reports and WMIS queries.

*Rounding Discrepancies:* For this report, raw numbers were calculated to the gallon at the extent available, although many flow meters have hundred-gallon or thousand-gallon units. Values are rounded during the later stages of analysis. Despite the 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. Small discrepancies can occur within the tables due to rounding and averaging. For this reason, the mgd totals are presented to three decimal places in most tables and appendices to support calculations but are given to only one decimal place in the text to express a more conservative level of accuracy.

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

This report's sections on public supply and districtwide totals describe separate quantities for withdrawals and use. For all predominant use categories except public supply, the water "use" is synonymous with water "withdrawal" because the water is typically used where and when it is withdrawn. For the public supply category, a utility's actual water use can be 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 multiple public utilities,
- Water treatment losses, which may range from 15 to 50 percent for brackish groundwater desalination systems,

- Transmission system losses.

The public supply "use" data is acquired from water utilities' Public Supply Annual Reports (PSARs) which are submitted to the District by April of the following year.

### **SNAPSHOTS IN TIME**

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

*Permit Data:* A snapshot of 2021 permit data was taken on December 31st, 2021, to save the end-of-year 2021 WUP attributes. The permit snapshot data for the EWU Report includes:

- The status and permit quantity of each WUP.
- Each withdrawal point's status, location, and permitted quantity apportioned from the WUP's total permit quantity.
- The water use code 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 the EWU Report are queried later in the year. The permittees have a few weeks after the new year to upload their December pumpage. District staff first review the permit snapshot data because it defines which withdrawal points were valid and should have their pumpage data included. Pumpage queries taken later in the year allow time for tardy submissions and for pumpage errors to be identified and corrected with communication from the permittee. The final 2021 pumpage snapshot for this report was taken on October 12, 2022.

### **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, their average withdrawal, and the

## **2021 ESTIMATED WATER USE REPORT**

permit total and portion for each water use category. Similar tables for non-metered WUPs are available to the public by request. Appendix A also includes tables of monthly average withdrawals for each water use category by county.

*Appendix B* shows the total annual average quantities withdrawn from regulated water resources within the District, within the three WUCAs, within the MIA of the SWUCA, and within the FARMS Priority Watersheds. 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 follow statewide consistency guidelines universally accepted by DEP and the five Water Management Districts in 2008. The estimates are based on persons per household data, which allows for a consistent methodology for all utilities in Florida but may not be as accurate as information provided in Appendix A.

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



# **2021 ESTIMATED WATER USE REPORT**

## **PUBLIC SUPPLY**

**WITHDRAWALS = 599.4 MGD**

**USE = 575.4 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 utilities; treatment, storage, and distribution system losses; and net changes from storage systems over the year to improve supply reliability. In 2021, average withdrawals in the District for public supply totaled 599.4 mgd. This total includes 363.8 mgd of groundwater, 230.3 mgd of surface water, and 5.2 mgd of desalinated seawater. The withdrawals increased from 588.4 mgd in 2020 and are above a ten-year average of 547.8 mgd.

After imports, exports, storage, and distribution losses were accounted for, the total gross public supply water use was 575.4 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. Large utilities may have some specific uses that aren’t directly related to population such as fire suppression, common area landscape irrigation, and water supplied to businesses and commerce. The public supply category may also be a minor subcategory allocation for permittees that are not connected to a utility but provide water for housing and personal/sanitary use to employees, visitors, farmworkers, etc.

### **DATA SOURCES**

There are three sources of data for the public supply water use category: the PSARs provided by large water utilities, metered withdrawals from the WMIS database for other permittees with a public supply use allocation, and District-estimated withdrawals for small public supply WUPs with allocations less than 100,000 gpd. In 2021, there were 336 active WUPs that included a

public supply use in WMIS. There were 130 WUPs with PSAR reporting conditions. Eleven of the PSAR utilities were “wholesale” utilities that have no local withdrawals but provide a PSAR because they import more than 100,000 gpd from a regional water authority or neighboring utility.

Beginning in 2021, Tampa Bay Water is no longer required to submit a PSAR for their regional surface and groundwater withdrawals and exports. Their withdrawals are now included in the non-PSAR metered column of Table 1.

The PSARs include detailed 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-1, Part 2 lists the withdrawals and permit quantities of the remaining metered public supply WUPs that aren’t required to submit PSARs. New for 2021, Tampa Bay Water’s large permits are in this section.
- Table A-2 shows the PSAR utility-reported specific uses for water delivered including residential use; industrial/commercial, landscape/recreation, and golf course customers served by utilities; firefighting and other municipal uses; and water losses from distribution systems.
- Table A-3 lists the PSAR utility-reported water transfers from water supply authorities and neighboring utilities.

There were 12 community utilities whose PSAR-reported withdrawals included golf course irrigation or industrial uses that are represented in other chapters of this report. To avoid double-counting, those quantities are excluded in the Table 1 column “PSAR metered withdrawals.” Details are footnoted on the table.

There were 166 small, unmetered public supply permittees with estimated withdrawals totaling 4.8 mgd, mostly for residential use.

The metered WUPs that weren’t required to submit a PSAR and withdrew 193.3 mgd for public supply. This amount includes Tampa Bay Water’s withdrawals. Additional metered WUPs include farms and institutions with personal

## **2021 ESTIMATED WATER USE REPORT**

sanitary use allocations, small golf communities, environmental augmentation, or small utilities with a special metering condition because the withdrawals are near environmentally sensitive areas.

### **GROSS WATER USE QUANTITIES**

The gross water use total of 575.4 mgd was 96 percent of the withdrawal total. The 20-year average percentage of public supply water used/withdrawn is 95 percent districtwide.

The ratio of water used/withdrawn can vary immensely by county due to its transmission from regional water sources to utilities in neighboring counties. For example, Pinellas County imported three quarters of its public supply from neighboring counties. Figure 3 has separate pie charts of the countywide water withdrawals and water use for public supply.

### **GROUNDWATER, SURFACE WATER, & SEA WATER**

In 2021, groundwater provided 61 percent of public supply water withdrawals in the District. Though not quantified for this report, it's assumed that approximately 90 percent of groundwater withdrawals were from the Upper Floridan aquifer. The surficial aquifer and the Hawthorne aquifer system are also utilized for public supply.

The District's largest groundwater WUP is for Tampa Bay Water's Consolidated Wellfield (WUP #11771). The WUP has a 90 mgd annual average permitted quantity that can be rotated among 11 regional wellfields across three counties in the Tampa Bay area. The withdrawal rotation allows for resting and recovery of water resources in accordance with environmental management plans. In 2021, the annual average water withdrawn from the Consolidated Wellfield WUP was 84.3 mgd, with 40.0 mgd from wells in Pasco, 37.7 mgd from Hillsborough, and 6.6 mgd from Pinellas. The withdrawals are divided by county for this report.

Surface water accounted for 38 percent of public supply water withdrawals in 2021. Most surface water withdrawals for public supply occur at large-scale water treatment facilities located in Hillsborough County (153.4 mgd), DeSoto County (26.9 mgd), and Manatee County (37.4 mgd). The Villages community in Sumter County utilized approximately 8.5 mgd of surface water captured

in lined stormwater ponds for outdoor public supply use. The Villages' stormwater use is included in Table 1 because it was factored into their PSAR calculations.

Tampa Bay Water withdraws surface water from the Alafia River and Tampa Bypass Canal system, which has gates and transfer pumping systems with the Hillsborough River. The water is stored for seasonal and drought-year reliability in the C.W. Bill Young Reservoir and is exported to utilities in Hillsborough, Pasco, and Pinellas counties. The reservoir has a capacity of 15.5 billion gallons. The reservoir held 15.2 billion gallons at the beginning of January 2021 and held 14.9 billion gallons at the end of the year.

Tampa Bay Water's seawater desalination facility near Apollo Beach treats saltwater withdrawn from Tampa Bay and blends the water into its regional system. The facility provided potable water for 128 days during dry periods at rates ranging from 3 to 20 mgd, which equated to an annual average production of 5.2 mgd in 2021. Within this report, the treated seawater effluent is included in public supply totals but excluded from tables specific to surface water or groundwater. 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 is permitted for up to 80 mgd of surface water withdrawals from the lower Peace River. The 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.

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

## **2021 ESTIMATED WATER USE REPORT**

have in-stream reservoirs known as Lake Manatee and Evers Lake. The City of Punta Gorda in Charlotte County operates the Shell Creek water treatment facility. 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. Multiple types of per capita calculations are provided in the appendices and are defined below.

- Unadjusted gross, in Table A-1
- Adjusted gross, in Table A-1
- Compliance, in Table A-1
- Residential, in Table A-2.
- DEP “uniform” gross and residential per capitas, in Tables E-1 and E-2.

*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 2021, the Districtwide UGPC was 100 gpcd. A ten-year history of each utility’s UGPC is provided in Appendix D.

Some utilities may have a high UGPC rate for various reasons: They may serve commercial customers unrelated to population. A high UGPC is common in small master-metered communities where residents lack an economic incentive to conserve water. Suburban neighborhoods with large lot sizes tend to have higher-than-average UGPC from more lawn irrigation. New developments may have initially high UGPCs as new landscaping is established. Retirement communities with a below-average persons per dwelling may also show a high UGPC.

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

*ADJUSTED GROSS PER CAPITA:* The adjusted gross per capita (AGPC) allows for a more equitable comparison of utilities by incorporating deductions of specific water uses that are unrelated to population. Utilities may deduct water quantities on their PSARs for “significant uses,” “golf courses,” and “environmental

mitigation” before dividing by the population. In 2021, the Districtwide average AGPC was 99 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 the public utility system.

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 2021, but it’s an option for drier years.

*COMPLIANCE PER CAPITA:* The compliance per capita (CPC) includes the AGPC deductions plus two additional credits for stormwater use and reclaimed water exports. The CPC was implemented for calculating compliance with a Districtwide conservation rule set in 2009 with a goal attaining 150 gpcd for all public supply permittees, based on a five-year average. In 2021, the Districtwide average CPC was 93 gpcd, and seven utilities were greater than 150 gpcd. A ten-year history and five-year average of each utility’s CPC is provided in Appendix D.

The stormwater use deductions for the CPC must be from metered use in order to be credited. The quantities must also be used within the utility’s service area, and the deduction can’t exceed the WUP allocation or actual withdrawals. 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 that was exported to customers outside of the utility’s service area. Reclaimed water used within the utility’s own service area isn’t applicable because it already offsets a share of their resource withdrawals.

*RESIDENTIAL PER CAPITA:* The residential per capita (RPC) rate is a useful statistic for analyzing home

## **2021 ESTIMATED WATER USE REPORT**

water use only. The RPC represents water used only at single-family, multi-family, and mobile home residences according to the utility's billing detail. The RPC is not used for regulatory purposes, so formal documentation is not necessary. The Districtwide average RPC rate was 69 gpcd in 2021. Countywide RPC values are used as multipliers to estimate the domestic self-supply use in each county, as discussed in the next chapter.

*DEP UNIFORM GROSS & RESIDENTIAL PER CAPITA:* In 2009, the DEP developed a uniform statewide convention for calculating public supply per capita water use. Florida's five water management districts provide the DEP with public supply water use data using this consistent methodology for statewide analyses. The 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. For 2021, the Districtwide DEP uniform gross per capita was 103 gpcd, and the DEP uniform residential per capita was 71 gpcd.

Additional information on the various per capita formulas and purposes can be found in the District's WUP Applicant's Handbook, Part B: <https://www.swfwmd.state.fl.us/media/3166>.

### **PUBLIC SUPPLY WATER TRANSFERS**

Large-scale regional water supply facilities serve multiple counties of the District. Regionally developed alternative water supplies reduce stress on water resources and wetland environments, and improve reliability for emergencies and drought conditions. Substantial quantities of potable water are transferred from counties where alternative water sources are located to neighboring counties with high demand. Table A-3 in Appendix A provides the reported public supply imports and exports by regional water supply authorities and utilities. Approximately 250 mgd was transferred within the District in 2021.

### **MONTHLY WATER WITHDRAWALS AND RAINFALL**

A monthly analysis of public supply surface water and groundwater withdrawals in comparison to monthly rainfall is illustrated in Figure 5. Surface water withdrawals increase during the rainy season for storage in off-stream reservoirs and ASR systems to provide year-round reliability. Districtwide average rainfall in 2021 was 49.7 inches, which was below the historic average of 52.8 inches. The month of May 2021 was relatively dry, which may have influenced increased residential irrigation. The monthly withdrawal source data for Figure 5 is provided in Appendix A, Table A-4. The monthly data is calculated from WMIS pumpage records and excludes seawater desalination and stormwater use.

### **PUBLIC SUPPLY IN WATER USE CAUTION AREAS**

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

In the SWUCA, 236.9 mgd of water was withdrawn for public supply, of which 150.9 mgd was from groundwater and 86.0 was from surface water (Table B-2).

In the MIA within the SWUCA, 47.7 mgd of water was withdrawn for public supply, of which 10.3 was from groundwater and 37.4 mgd was from surface water (Table B-3).

In the NTB WUCA, 270.2 mgd was withdrawn for public supply, of which 134.3 mgd was from groundwater and 135.9 mgd was from surface water (Table B-4).

In the DPC WUCA, 25.0 mgd was withdrawn from groundwater for public supply, nearly all from groundwater (Table B-5).

### **PUBLIC SUPPLY PERMITTED QUANTITIES**

The total permitted quantities allocated by the District for public supply were 831.4 mgd (annual average), of which 488.9 mgd were permitted for groundwater sources. The permitted quantities by source, county, use type, and WUCA are provided in Appendix C. These permitted values were effective at the end of the 2021 calendar year.

Hillsborough County had the most permitted public supply quantities for both groundwater (137.9 mgd) and surface water (205.8 mgd).

## **2021 ESTIMATED WATER USE REPORT**

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 some of the wells are located in Pasco and Pinellas counties. This permit allows for rotational use for environmental management

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.

## 2021 ESTIMATED WATER USE REPORT

**Table 1. Summary of Metered and Estimated Public Supply Water Withdrawals and Water Use (mgd), 2021**

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>	9.503	12.978	1.924	1.854	18.703	0	0.011	<b>9.514</b>	5.956	3.558	<b>18.714</b>
<b>Citrus</b> <sup>6</sup>	14.269	0.423	0.489	0.212	13.991	0.122	0.230	<b>14.621</b>	14.621	0	<b>14.343</b>
<b>DeSoto</b>	31.428	0.818	29.014	1.878	1.354	0.001	0.054	<b>31.483</b>	4.547	26.936	<b>1.409</b>
<b>Hardee</b>	1.255	0	0	0.021	1.234	0	0.031	<b>1.286</b>	1.286	0	<b>1.265</b>
<b>Hernando</b>	21.416	0	0	0.251	21.165	0	0.084	<b>21.500</b>	21.500	0	<b>21.249</b>
<b>*Highlands</b>	8.264	0	0	0.221	8.043	0.111	0.082	<b>8.457</b>	8.453	0.004	<b>8.236</b>
<b>Hillsborough</b> <sup>7,8</sup>	92.821	74.621	1.725	4.286	161.431	145.430	0.514	<b>238.765</b>	80.163	153.422	<b>167.661</b>
<b>*Lake</b>	0	0	0	0	0	0	0	<b>0</b>	0	0	<b>0</b>
<b>*Levy</b>	0.769	0	0.001	0.111	0.657	0.084	0	<b>0.853</b>	0.853	0	<b>0.741</b>
<b>Manatee</b>	52.447	4.666	7.457	3.257	46.399	0.017	0.003	<b>52.467</b>	15.114	37.353	<b>46.419</b>
<b>*Marion</b>	12.015	0	0	0.155	11.860	0.197	0.144	<b>12.356</b>	12.356	0	<b>12.201</b>
<b>Pasco</b> <sup>9</sup>	13.104	39.903	2.953	0.608	49.446	40.251	1.084	<b>54.439</b>	54.439	0	<b>50.760</b>
<b>Pinellas</b> <sup>9</sup>	17.470	88.709	11.828	4.477	89.874	6.679	0.067	<b>24.216</b>	24.216	0	<b>89.975</b>
<b>*Polk</b> <sup>6,8</sup>	77.752	2.527	1.748	0.773	77.758	0.395	0.948	<b>79.095</b>	79.094	0.001	<b>79.101</b>
<b>Sarasota</b> <sup>6</sup>	23.169	20.392	1.084	6.085	36.392	0	0.077	<b>23.246</b>	22.643	0.603	<b>36.469</b>
<b>Sumter</b> <sup>6,10</sup>	25.533	0.000	0.000	0.250	25.283	0.050	1.478	<b>27.061</b>	18.605	8.456	<b>26.811</b>
<b>District Total</b>	<b>401.215</b>	<b>245.037</b>	<b>58.223</b>	<b>24.439</b>	<b>563.590</b>	<b>193.337</b>	<b>4.807</b>	<b>599.359</b>	<b>363.846</b>	<b>230.333</b>	<b>575.354</b>

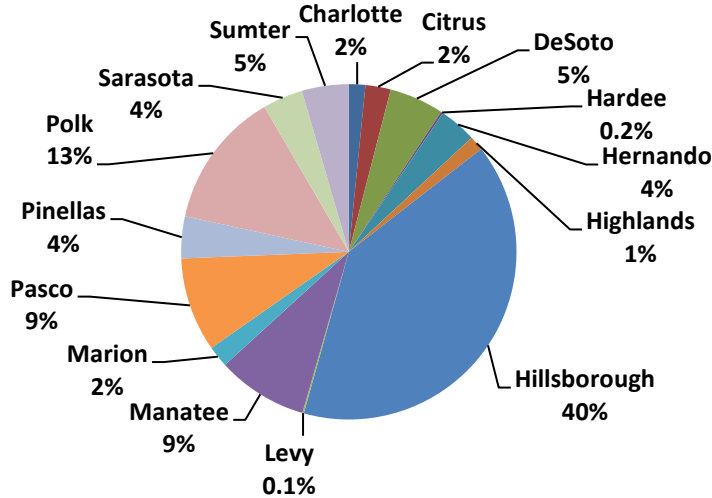
Data Sources: 2021 Public Supply Annual Reports & Estimated Water Use Tables derived from the WMIS database.

Calculations from raw data create minor rounding discrepancies in totals.

- \* Data is only for the portion of the county within the District.
- 1 Generally, Gross Use = Withdrawal + Imports – Exports – Treatment losses. Discrepancies can occur from seasonal storage, transmission losses, and other reasons footnoted.
- 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. Adjusted for Tampa Bay Water.
- 5 The total Public Supply use = PSAR gross use + non-PSAR metered withdrawals + estimated public supply withdrawals.
- 6 The countywide PSAR metered withdrawal contains some deductions from totals in Appendix A, Table A-1 to prevent double-counting quantities on mixed-use WUPs that are included in the landscape/recreation or industrial/commercial categories: -0.020 mgd Citrus, -0.852 mgd Polk, -0.186 mgd Sarasota, and -0.862 mgd Sumter counties.
- 7 Hillsborough County includes 5.18 mgd of Tampa Bay Water’s seawater desalination. The seawater quantity is not included in the surface water or groundwater withdrawals.
- 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 (-0.817 mgd) and by City of Lakeland WUP 4912 (-0.416 mgd).
- 9 The City of Tarpon Springs is in Pinellas County but has three of its 26 supply wells in Pasco County. The Pasco wells withdrew 0.598 mgd. An adjustment is included the table.
- 10 The total PSAR withdrawal for Sumter County includes 8.456 mgd of stormwater captured, metered, and beneficially used by The Villages.

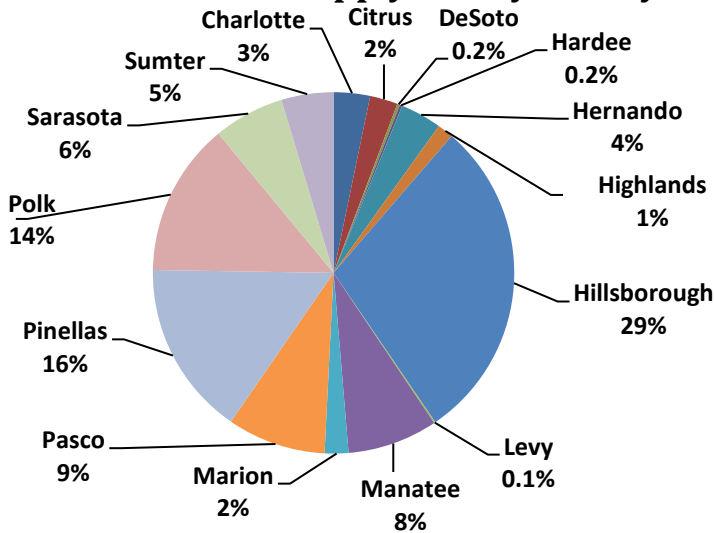
# 2021 ESTIMATED WATER USE REPORT

## Percent of Public Supply Withdrawals By County



**Total Withdrawals = 599.4 mgd** (PSAR, non-PSAR metered, and estimated)  
 Calculation includes only District portion of counties.

## Percent of Public Supply Use By County



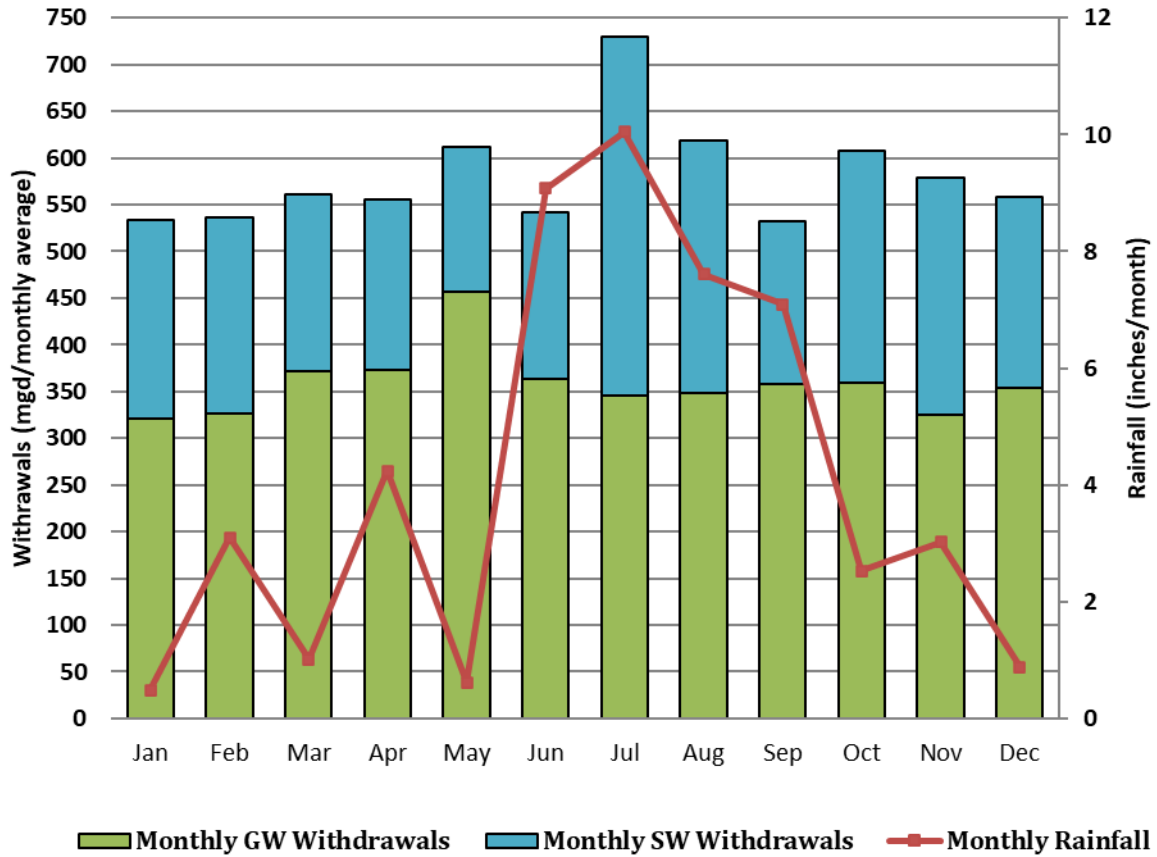
**Total Use = 575.4 mgd** (Table 1, Gross Water Use)  
 Calculation includes only District portion of counties.

**Figure 4. Percentages of Public Supply Withdrawals and Water Used by County, 2021**

(Data Source: Table 1)

# 2021 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), 2021**

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



## **2021 ESTIMATED WATER USE REPORT**

### **DOMESTIC SELF-SUPPLY WITHDRAWAL/USE = 38.1 MGD**

An estimated 38.1 mgd of water was used for domestic self-supply within the District in 2021. This estimate is a decrease from 40.1 mgd in 2020.

#### **GENERAL INFORMATION**

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

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

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

#### **METHODOLOGY**

Unlike the other use categories, there is no metered use component available for domestic self-supply. The water use estimates are generated by multiplying the self-supplied population in each county by the average residential per capita water use in that county. One exception is Lake County, where the Districtwide per capita value is used instead of a countywide value because there are no

representative public supply WUPs in the District portion of Lake County.

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

Additional information on the GIS methodology is provided in Appendix F.

The countywide residential per capita values are sourced from Appendix A, Table A-2. Factoring in the residential per capitassumes that self-supplied population had similar water use habits as the residents served by the public supply systems within the same county. This includes weather influences on outdoor water use habits during the year.

Table 2 shows the self-supply population, each county's average residential per capita, and the calculated domestic self-supply use estimate. 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 may also have small private wells used only for lawn irrigation. These wells are typically small enough to be exempt from regulation by the water management districts. This "additional irrigation" use within public supply service areas is not factored into the domestic self-supply estimates, nor other categories of the EWU Report. If needed, 5-year average planning-level estimates of additional lawn irrigation use are available in the District's Regional Water Supply Plan, Appendix 3-3, Table 23, Residential Irrigation Well Data. <https://www.swfwmd.state.fl.us/resources/plans-reports/rwsp>

## 2021 ESTIMATED WATER USE REPORT

**Table 2. Summary of Domestic Self-Supply Water Use by County, 2021**

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	6,097	67	0.408
Citrus	49,454	85	4.204
DeSoto	18,395	40	0.736
Hardee	11,139	47	0.524
Hernando	40,254	92	3.703
*Highlands	12,724	65	0.827
Hillsborough	110,089	73	8.036
*Lake <sup>4</sup>	1,533	69	0.106
*Levy	16,489	45	0.742
Manatee	11,657	64	0.746
*Marion	38,565	118	4.551
Pasco	92,268	71	6.551
Pinellas	5,529	50	0.276
*Polk	23,856	80	1.908
Sarasota	43,201	53	2.290
Sumter	16,595	148	2.456
<b>District Total</b>	<b>497,845</b>		<b>38.064</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.

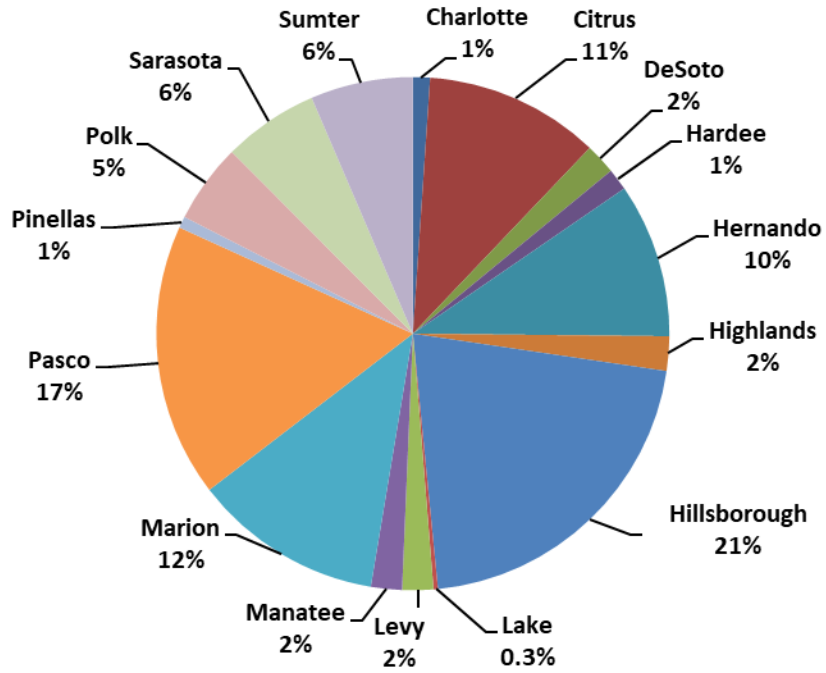
<sup>2</sup> "Residential Per Capita," is from Table A-2 in Appendix A and is based on PSAR-reported residential water use submitted by utilities.

<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 69 gpcd was used as the multiplier for Lake County because there were no Public Supply permittees in the District portion of Lake County.

# 2021 ESTIMATED WATER USE REPORT

## Percent of District Domestic Self Supply Use By County



**Total Use = 38.1 mgd**

Calculation includes only District portion of counties

**Figure 6. Percentage of Estimated Domestic Self-Supply Water Use by County, 2021**

(Data source: Table 2)

## **2021 ESTIMATED WATER USE REPORT**

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## **2021 ESTIMATED WATER USE REPORT**

### **LANDSCAPE/RECREATION**

**WITHDRAWAL/USE = 58.0 MGD**

Landscape/recreation water withdrawals were 58.0 mgd within the District in 2021. This quantity is down from 59.3 mgd in 2020. The ten-year average is 57.9 mgd.

#### **GENERAL INFORMATION**

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

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

*Multi-Use WUPs:* Approximately 13 percent of the WUPs with a landscape/irrigation allocation also had permit allocations in another predominant use category. If the majority of the permitted use is for landscape irrigation, the WUP's primary use type is listed as landscape/recreation even if the permittee's business practice may fit another category. All multi-use WUPs have their withdrawals fractioned by predominant uses for the appropriate chapter in this report.

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

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

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

#### **2021 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 28.2 mgd, which was 49 percent of the total for this category.
- Lawn and landscape irrigation use was 20.9 mgd, or 36 percent, and may include the non-playing areas at golf resorts.
- An additional 4.5 mgd was used for other permitted irrigation uses including community common areas, sports fields, cemeteries, parks and playgrounds, and botanical gardens.

The augmentation group (2.5 mgd) is for water used to maintain surface water body levels for both aesthetic purposes and environmental mitigation related to landscape/recreation

## **2021 ESTIMATED WATER USE REPORT**

withdrawals. Animals & aquariums (1.4 mgd) includes water for maintaining aquatic habitats and water for animals at recreational facilities. Water parks & recreation (0.2 mgd) includes water for swimming pools, flume rides, mud courses, and other water-based recreation. Other non-irrigation uses are grouped as “commercial, restrooms, sanitary, other uses” (0.2 mgd) and include recreation-related uses such as public drinking fountains, air conditioners, cleaning and maintenance, decorative water features, firefighting, personal/sanitary use, office facilities, food preparation, etc.

Figure 7 shows the percentage of use for each county.

### **GROUNDWATER & SURFACE WATER**

In 2021, groundwater provided 91 percent (52.6 mgd) of the landscape/recreation supply withdrawn in the District. Surface water use was 5.4 mgd. The surface water quantity reflects only withdrawals from natural resources; water from irrigation ponds that also receive and mix 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 month of May 2021 had

uncommonly low rainfall for the month, and landscape/recreation water use was highest that month.

### **APPENDICES**

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

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

Appendix B provides the specific groundwater and surface water use average quantities for each county and WUCA. In the SWUCA, the landscape/irrigation water use totaled 32.8 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 2021 was 125.5 mgd. Approximately 46 percent of the quantities permitted Districtwide for landscape/recreation supply were utilized.

## 2021 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, 2021**

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	0.927	0.537	0.107	0	0	0.002	0.117	<b>1.690</b>	0.742	0.948
Citrus	2.764	0.156	0.079	0	0	0.001	0.014	<b>3.014</b>	2.863	0.151
Desoto	0.094	0.037	0	0	0.002	0	0	<b>0.133</b>	0.133	0
Hardee	0.083	0.029	0	0.004	0	0	0	<b>0.116</b>	0.116	0
Hernando	2.519	0.476	0.191	0	0	0.031	0	<b>3.217</b>	3.217	0
*Highlands	1.723	0.290	0.051	0	0	0	0	<b>2.064</b>	2.063	0.001
Hillsborough	2.831	2.245	1.884	0.791	1.325	0.033	0.023	<b>9.132</b>	8.526	0.606
*Lake	0	0	0	0	0	0	0	<b>0</b>	0	0
*Levy	0.11	0.022	0	0	0	0.048	0	<b>0.180</b>	0.180	0
Manatee	2.230	7.420	0.190	0	0	0.018	0	<b>9.858</b>	9.341	0.517
*Marion	1.994	0.129	0.193	0	0.031	0.022	0.001	<b>2.370</b>	2.370	0
Pasco	2.311	0.445	0.143	0	0	0.034	0	<b>2.933</b>	2.699	0.234
Pinellas	2.252	0.647	0.324	0	0	0.001	0.005	<b>3.229</b>	2.070	1.159
*Polk	3.776	1.161	0.923	1.747	0.063	0.012	0	<b>7.682</b>	7.437	0.245
Sarasota	2.559	6.268	0.310	0	0.027	0.015	0.027	<b>9.206</b>	7.706	1.500
Sumter	2.028	1.028	0.075	0	0	0.004	0	<b>3.135</b>	3.135	0
<b>District Total</b>	<b>28.201</b>	<b>20.89</b>	<b>4.470</b>	<b>2.542</b>	<b>1.448</b>	<b>0.221</b>	<b>0.187</b>	<b>57.959</b>	<b>52.598</b>	<b>5.361</b>
<b>% of Total</b>	<b>49%</b>	<b>36%</b>	<b>8%</b>	<b>4%</b>	<b>2%</b>	<b>0.4%</b>	<b>0.3%</b>	<b>100%</b>	<b>91%</b>	<b>9%</b>
<b>Groundwater Use</b>	<b>25.565</b>	<b>18.703</b>	<b>4.437</b>	<b>2.038</b>	<b>1.448</b>	<b>0.220</b>	<b>0.187</b>		<b>52.598</b>	
<b>Surface Water Use</b>	<b>2.636</b>	<b>2.187</b>	<b>0.033</b>	<b>0.504</b>	<b>0</b>	<b>0.001</b>	<b>0</b>			<b>5.361</b>

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

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

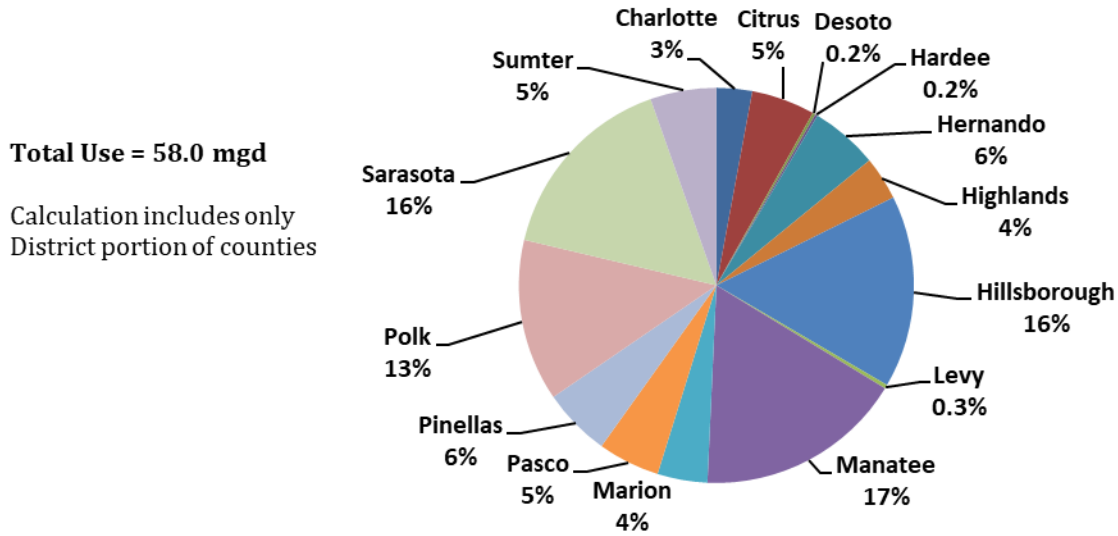
<sup>1</sup> Augmentation of surface water bodies for aesthetic or environmental purposes related to landscape/recreation uses.

<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.

# 2021 ESTIMATED WATER USE REPORT

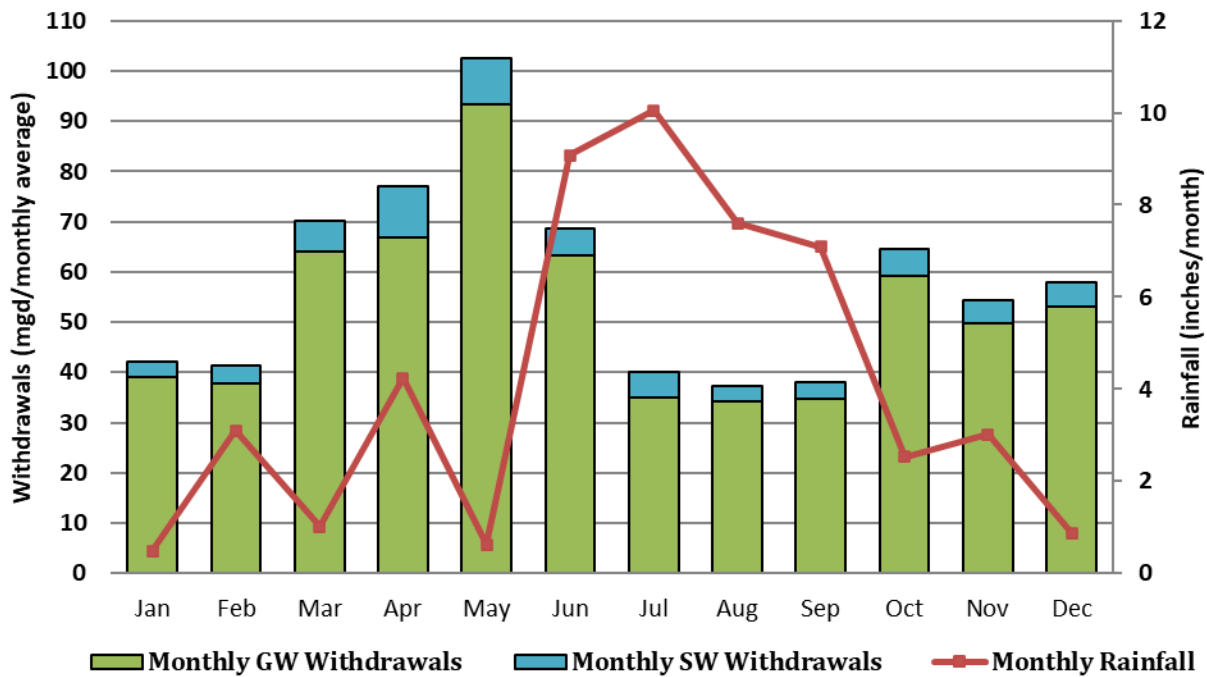
## Percent of Landscape/Recreation Use by County



**Figure 7. Percentage of Landscape/Recreation Water Use by County, 2021**

(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), 2021**

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



## **2021 ESTIMATED WATER USE REPORT**

### **AGRICULTURE**

**WITHDRAWAL/USE = 322.8 MGD**

In 2021, the total agriculture water withdrawals in the District were 322.8 mgd, which was an increase from 307.9 mgd withdrawn in 2020, but below a 10-year average of 357.8 mgd. 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 personal sanitary use on farms.

#### **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 permitting standard of 500,000 gpd or more annual average. Therefore, fewer agricultural WUPs in the northern counties are metered.

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 automatic meter reading (AMR) 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 resources used for irrigation of many crop types under varying climate conditions. The AGMOD irrigation rate calculator is used to derive the acre-inch application rate for 39 crop types

based on Florida-modified Blaney-Criddle calculations. These calculations factor the crop type, growing season, geographic location, rainfall, soil type, irrigation method, solar radiation, and root depth. Additional information on agricultural permit quantity calculations can be found in Chapters 3 and 5 of the Water Use Permit Information Manual, Part B, Basis of Review, which is available at:

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

#### **2021 DATA**

The record low for Districtwide agricultural water use was set in 2020, during which Covid was likely a factor in reduced agricultural activity. The prior record low was in 2005, a year when there was excessive tropical rainfall. Year-to-year fluctuations of agricultural water use are common and are often more pronounced than with other predominant use types. There are multiple factors for the annual variability including effective rainfall, freeze protection events, and citrus disease.

*Effective Rainfall:* Districtwide average rainfall in 2021 was 49.7 inches, which was below the historic average of 52.8 inches. The month of May experienced only 0.6 inches, which is when the region's rainy season typically starts. The months of April, June, July, and November had above average rainfall in 2021. Figure 10 illustrates high water use in May followed by low water use in July through September.

*Freeze Protection:* Frost/freeze events typically last for a few hours or days, but the short-term water use for crop protection can significantly influence the annual average totals. Pumping for freeze protection of strawberries, citrus, blueberries, nurseries, and aquaculture can remove over 800 mgd from the aquifer during a single freeze event. An 11-day freeze in 2010 caused an intense but temporary aquifer drawdown that impacted approximately 750 neighboring wells, exacerbated approximately 140 sinkholes in the area, and caused an estimated \$8 million in damages. The freeze led to the establishment of the DPC WUCA Recovery Strategy, and many measures to reduce freeze protection use have been enacted over the last decade. The recovery strategy was removed in

## **2021 ESTIMATED WATER USE REPORT**

2021, but the protective measures have stayed in place. In 2021, there was a two-night frost event (below 35 degrees F.) recorded in the DPC WUCA on February 3 and 4. Table C-6 presents freeze protection quantities permitted to agricultural WUPs by crop type. More information about the DPC WUCA is available at:

<https://www.swfwmd.state.fl.us/projects/dover/plant-city-water-use-caution-area>

*Citrus Disease:* Citrus groves across Florida have been impacted by the Huanglongbing virus, commonly referred to as citrus greening. Citrus acreage in the District has declined over the last ten years, however it remains the dominant crop in the region. Citrus irrigation was 184.2 mgd in 2021, below the 20-year average of 228.2 mgd.

### **COUNTY AND CROP TYPES**

Table 4 summarizes water use by county and by agricultural use groups based on similar crop types. The District's agricultural groupings are similar to those used by the Florida Department of Agricultural and Consumer Services. Citrus remains the largest crop use in the District at 57 percent of the total agricultural withdrawals. Tomatoes were the second largest crop at 9 percent. Figure 9 is a pie chart showing the percentage of water used for agriculture by each county. Polk County had the most agricultural water use in 2021 at 72.7 mgd.

### **GROUNDWATER & SURFACE WATER**

Groundwater was the source of 95 percent of the agricultural withdrawals (308.1 mgd) in 2021. 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 to blend reclaimed water, captured stormwater, or other alternative sources. This exclusion prevents double-counting of pumpage from augmentation wells.

Numerous farms within the District have implemented alternative sources and water reuse systems such as tailwater recovery ditches and ponds. Actual crop irrigation rates may exceed the withdrawals reported herein due to the alternative supplies and recirculated water.

### **Appendices**

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

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

Appendix B provides the specific groundwater and surface water use average quantities for each county, the WUCAs, and the FARMS priority watersheds. Table B-2 shows that Agriculture accounted for 45 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 735.9 mgd was permitted for agriculture in the District, of which 699.6 mgd was for groundwater. 44 percent of the permitted agricultural quantities were pumped in 2021.

*FARMS Priority Watersheds:* The Districts' FARMS program (Facilitating Agricultural Resource Management Systems) has focus areas in the Upper Myakka and Shell Creek Watersheds (Figure 2). Appendix B, Tables B-6 and B-7 are provided to assist with tracking the success of agricultural conservation programs.

Agricultural water use in the Upper Myakka watershed was 15.2 mgd, nearly all from groundwater. Agricultural water use in the Shell Creek watershed was 8.7 mgd, of which approximately half was from groundwater.

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

## 2021 ESTIMATED WATER USE REPORT

**Table 4. 2021 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	2.918	0.110	0.148	0.031	0.116	1.157	0	0.505	3.355	0	0.003	0.008	<b>8.351</b>	4.778	3.573
<b>Citrus</b>	0.294	0.144	0.491	0.212	0.080	0.063	0.020	0.193	0.054	0.008	0	0.003	0.025	<b>1.587</b>	1.543	0.044
<b>Desoto</b>	0.512	46.045	0.245	2.950	0.105	1.337	2.917	0.283	0.852	0.144	0.409	0.096	0.090	<b>55.985</b>	55.019	0.966
<b>Hardee</b>	2.536	26.408	0.829	0.738	1.543	1.354	0.426	0.230	0.450	0.873	0	0.341	0.167	<b>35.895</b>	35.444	0.451
<b>Hernando</b>	0.198	0.637	0.296	0	0.323	0.053	0	0	0	0.051	0	0.071	0.027	<b>1.656</b>	1.624	0.032
<b>*Highlands</b>	0.287	35.451	0.146	0.063	0.266	0.234	0.508	0	0	0	0	0.388	0.083	<b>37.426</b>	33.073	4.353
<b>Hillsborough</b>	1.362	1.860	0.364	2.105	3.408	0.461	1.187	15.897	4.789	5.398	2.381	0.027	0.625	<b>39.864</b>	37.482	2.382
<b>*Lake</b>	0.057	0.308	0.221	0.099	0	0.054	0.080	0	0	0	0.016	0.001	0	<b>0.836</b>	0.836	0
<b>*Levy</b>	0.094	0	6.056	1.358	1.394	0.190	0.443	0	0	0.050	0	0	0	<b>9.585</b>	9.585	0
<b>Manatee</b>	0.007	5.852	0.716	0.298	0.936	0.234	2.972	1.324	20.323	8.466	0.068	0.324	0.001	<b>41.521</b>	41.357	0.164
<b>*Marion</b>	0	0	1.309	0.687	0.468	0.116	0	0	0.002	0.005	0	0.031	0.171	<b>2.789</b>	2.789	0
<b>Pasco</b>	0.566	3.185	0.826	0.068	0.289	0.135	0.242	0	0	0.192	0	0.085	0.074	<b>5.662</b>	5.637	0.025
<b>Pinellas</b>	0	0	0	0	0	0	0	0	0	0	0	0	0.010	<b>0.010</b>	0.010	0
<b>*Polk</b>	5.296	61.005	0.648	0.092	1.027	0.847	1.636	0.512	0	0.116	0.900	0.068	0.595	<b>72.742</b>	70.112	2.630
<b>Sarasota</b>	0.007	0.317	0.011	0	0.153	0.053	0.856	0	1.176	0.223	0.001	0.035	0	<b>2.832</b>	2.724	0.108
<b>Sumter</b>	0.218	0.087	1.323	0.919	1.369	0.073	0.302	0	0.022	0.158	1.464	0.077	0.069	<b>6.081</b>	6.081	0
<b>District Total</b>	11.434	184.217	13.591	9.737	11.392	5.320	12.746	18.439	28.173	19.039	5.239	1.550	1.945	<b>322.822</b>	308.094	14.728
<b>% of Total</b>	4%	57%	4%	3%	4%	2%	4%	6%	9%	6%	2%	0%	1%	<b>100%</b>	95%	5%
<b>Groundwater</b>	10.840	175.956	13.591	8.962	10.770	5.264	12.372	17.298	28.105	16.238	5.203	1.550	1.945		308.094	
<b>Surface Water</b>	0.594	8.261	0	0.775	0.622	0.056	0.374	1.141	0.068	2.801	0.036	0	0			14.728

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

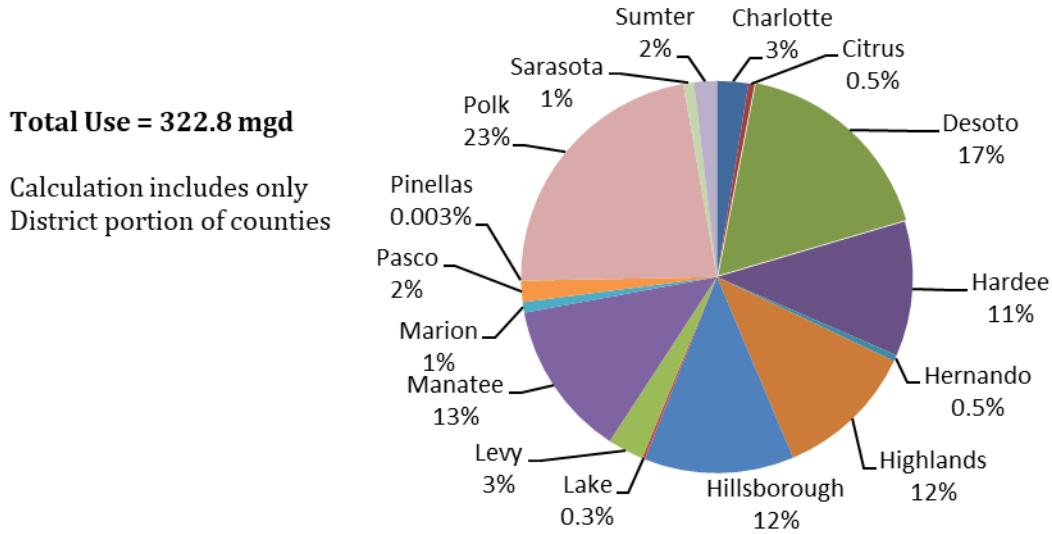
\* Data is only for the portion of the county within the District.

<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 (0.273 mgd), non-citrus fruit trees and vineyards (0.969 mgd), research (0.462 mgd), miscellaneous non-irrigation agriculture uses (0.208 mgd), and other unspecified uses (0.032 mgd).

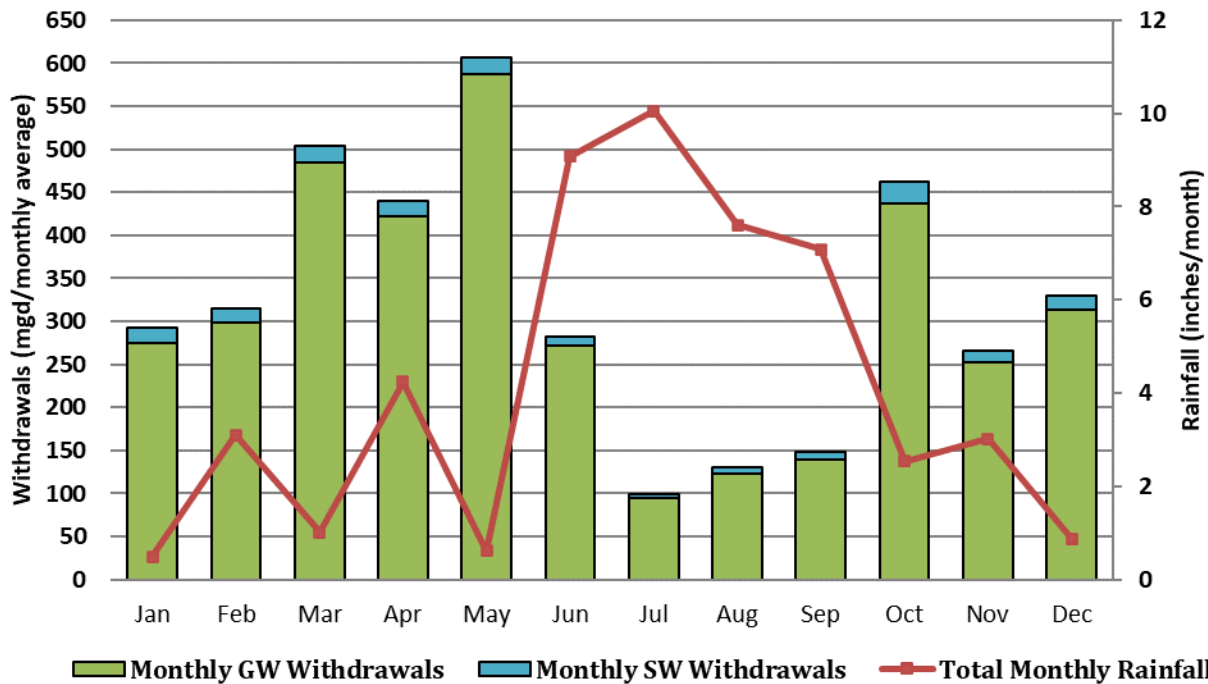
# 2021 ESTIMATED WATER USE REPORT

## Percent of Agriculture Use by County



**Figure 9. Percentage of Agriculture Water Use by County, 2021**  
(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), 2021**  
(Data Sources: Appendix A, Table A-8 and 2020 District rainfall data)

## **2021 ESTIMATED WATER USE REPORT**

### **MINING/DEWATERING WITHDRAWAL/USE = 14.6 MGD**

In 2021, 14.6 mgd was withdrawn from water resources for mining and dewatering activities in the District. This amount is down from the 17.6 mgd withdrawn in 2020 and below the ten-year average of 21.4 mgd. 98 percent of the water was withdrawn from groundwater sources. Dewatering activities for construction (non-mining) were only 0.02 mgd of this use category in 2021.

#### **GENERAL INFORMATION**

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

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

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

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

water removed from local hydrologic systems as permitted quantities on the WUP. This distinction is notable when 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 temporary "sealing wells." A sealing well provides water to transport mined products through pipelines as slurry. Water is introduced at various locations along a pipeline to keep the slurry flowing. Sealing water wells may be drilled as needed and then plugged when the pipeline is relocated. Due to their temporary nature, sealing water wells can be relocated without revising the WUP. If the slurry water is discharged off-site, the quantity is included as a resource withdrawal. If the slurry water is recirculated, sealing well withdrawals replace the net evaporative and other water losses associated with the slurry process.

The Mosaic Fertilizer Integrated WUP (#11400) had 131 active resource withdrawal points in 2021 located among multiple wellfields and processing facilities in four counties: Hardee, Hillsborough, Manatee, and Polk. The specific withdrawals have been allocated to the counties where they occurred for this report. The total consumptive withdrawals for the Mosaic Integrated WUP were 30.8 mgd, of which 14.0 mgd was for mining and the remainder was for off-site material processing that was categorized as industrial/commercial use.

#### **2021 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 96 percent of the water use in the category.

## **2021 ESTIMATED WATER USE REPORT**

Figure 11 shows the percentage of mining/dewatering water use by each county. Polk County had the majority of use in 2021.

Figure 12 shows the monthly surface and groundwater mining/dewatering water use compared to rainfall. Mining water use trends are less influenced by rainfall than other predominant use categories that have a greater 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 2021 by groundwater

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

The tables in Appendix C provide the permitted quantities for mining/dewatering in 2021 by county, by groundwater and surface water, and within each WUCA. Comparing the total use for mining/dewatering to the total permitted (55.4 mgd) indicates that 26 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.

## 2021 ESTIMATED WATER USE REPORT

**Table 5. Mining/Dewatering Water Withdrawals (mgd) by County & Use Type, 2021**

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	0.016	0.112	0	0	0	0	0.029	<b>0.157</b>	0.004	0.153
Citrus	0	0.031	0	0	0	0	0	<b>0.031</b>	0.014	0.017
Desoto	0	0.007	0	0	0	0	0	<b>0.007</b>	0.001	0.006
Hardee	0	0	0	0	0	1.489	0	<b>1.489</b>	1.489	0
Hernando	0	0.013	0	0.005	0	0	0	<b>0.018</b>	0.013	0.005
*Highlands	0	0.010	0	0	0	0	0	<b>0.01</b>	0.001	0.009
Hillsborough	0	0.023	0	0	0	1.611	0.012	<b>1.646</b>	1.634	0.012
*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	0.030	0	0	0	2.874	0	<b>2.904</b>	2.904	0
*Marion	0	0.011	0	0.001	0	0	0	<b>0.012</b>	0.012	0
Pasco	0	0.033	0	0	0	0	0	<b>0.033</b>	0.002	0.031
Pinellas	0	0	0	0	0	0	0	<b>0</b>	0	0
*Polk	0.008	0.128	0	0	0	8.057	0.073	<b>8.266</b>	8.210	0.056
Sarasota	0	0	0	0	0	0	0.004	<b>0.004</b>	0	0.004
Sumter	0	0.050	0	0.019	0	0	0	<b>0.069</b>	0.035	0.034
<b>District Total</b>	<b>0.024</b>	<b>0.448</b>	<b>0</b>	<b>0.025</b>	<b>0</b>	<b>14.031</b>	<b>0.118</b>	<b>14.646</b>	<b>14.319</b>	<b>0.327</b>
<b>% Of Total</b>	<b>0.2%</b>	<b>3%</b>	<b>0.0%</b>	<b>0.2%</b>	<b>0%</b>	<b>96%</b>	<b>1%</b>	<b>100%</b>	<b>98%</b>	<b>2%</b>
<b>Groundwater Use</b>	<b>0.008</b>	<b>0.194</b>	<b>0</b>	<b>0.010</b>	<b>0</b>	<b>14.031</b>	<b>0.076</b>		<b>14.319</b>	
<b>Surface Water Use</b>	<b>0.016</b>	<b>0.254</b>	<b>0</b>	<b>0.015</b>	<b>0</b>	<b>0</b>	<b>0.042</b>			<b>0.327</b>

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

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

# 2021 ESTIMATED WATER USE REPORT

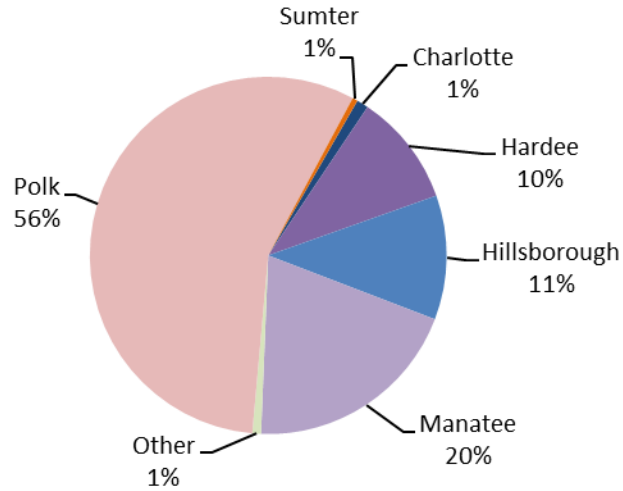
## Percent of Total Mining/Dewatering Use by County

**Total Use = 14.6 mgd**

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

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

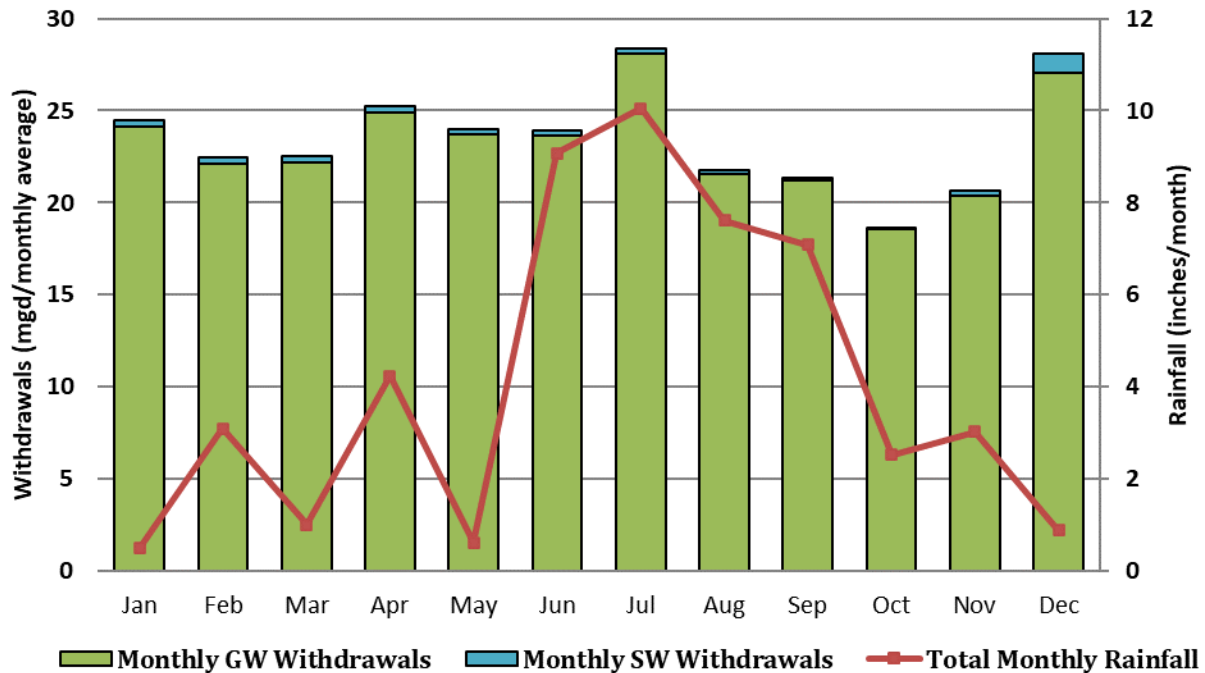
Calculation includes only District portion of counties



**Figure 11. Percentage of Mining/Dewatering Water Use by County, 2021**

(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), 2021**

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



## 2021 ESTIMATED WATER USE REPORT

### **INDUSTRIAL/COMMERCIAL WITHDRAWAL/USE = 58.9 MGD**

Approximately 58.9 mgd were withdrawn for industrial/commercial water uses in the District in 2021. This was an increase from 54.5 mgd withdrawn in 2020 and above a ten-year average of 58.1 mgd. Groundwater was the source of 94 percent of the industrial/commercial withdrawals.

#### **GENERAL INFORMATION**

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

Industries and commercial businesses that purchase water from public supply utilities are not included in this category. Large public supply utilities report the water quantities sold to industrial/commercial customers in their PSARs. Detailed information on this public supply component is available in Appendix A, Table A-2. In 2021, public supply utilities sold 104.8 mgd to industrial/commercial customers.

#### **2021 DATA**

Table 6 shows the county-level water use by industry group type and by groundwater and surface water. 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 small allocations typically calculated as a portion of a facility's well use, as larger allocations may have designated irrigation wells and be tallied in the landscape/recreation category.

*Power Generation:* The water used by 19 permitted power facilities from natural resources totaled 10.6 mgd. Power Generation uses may include water used for steam cooling, once-through cooling flows, emission control, boiler feed and makeup water, personal sanitary

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

*Food Processing and Packing:* Food processing and packing uses totaled 3.8 mgd. Most of this use was for citrus processing facilities in Polk County.

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

*Phosphate Processing:* When phosphate minerals are transported from the mine site where it was extracted to a separate processing facility, the water for processing is classified as an industrial/commercial use. Off-site phosphate processing totaled 23.9 mgd in 2021, with most of the processing in Polk County.

*Cement & Lime Processing:* This group includes water used for cement manufacturing, concrete batch plants, products made from cement or concrete, and lime processing for food, fertilizer, or water treatment. Water use for this category was 4.8 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 may include either water in the product content or manufacturing needs such as cooling and cleaning. Water use for this category was 7.1 mgd.

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

## **2021 ESTIMATED WATER USE REPORT**

are relatively small, but cumulatively they totaled 7.3 mgd in 2021.

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

Figure 14 shows monthly water use for the industrial/commercial category by surface water and groundwater sources and comparative monthly rainfall. Since irrigation accounts for a small fraction of this category, rainfall has less influence on this category than others. Surface water use for power plant cooling water is sometimes limited by availability.

### **Appendices**

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

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

Appendix B provides groundwater and surface water use quantities in 2021 by groundwater and surface water, by county, and by the WUCAs.

Appendix C provides the quantities permitted in 2021 by county, by groundwater and surface water, and by the WUCAs. The Districtwide total permitted allocation for industrial/commercial uses was 141.0 mgd, and 42 percent of the allocation was used in 2021.

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 2021, the WUP's industrial/commercial withdrawals were mostly in Polk County.

## 2021 ESTIMATED WATER USE REPORT

**Table 6. Industrial/Commercial Withdrawals (mgd) by County & Use Type, 2021**

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	0.020	0.002	0.000	<b>0.023</b>	0.023	0
Citrus	0	1.652	0	0.045	0	0.002	0.091	0.166	<b>1.956</b>	1.956	0
Desoto	0	0.073	0.252	0	0	0	0	0.344	<b>0.669</b>	0.669	0
Hardee	0	0.031	0.015	0	0	0	0.017	2.849	<b>2.912</b>	2.912	0
Hernando	0	2.664	0	0	0	4.426	0.014	0.003	<b>7.107</b>	6.993	0.114
*Highlands	0.002	0	0	0	0	0	0.021	0.049	<b>0.072</b>	0.072	0
Hillsborough	0.018	0	0.265	0	1.753	0.064	4.942	2.101	<b>9.143</b>	6.531	2.612
*Lake	0	0	0	0	0	0	0	0	<b>0</b>	0	0
*Levy	0	0	0	0	0	0	0	0.008	<b>0.008</b>	0.008	0
Manatee	0.001	0.021	0.009	0	0	0.055	0.006	0.211	<b>0.303</b>	0.303	0.000
*Marion	0	0	0.004	0	0	0	0	0.011	<b>0.015</b>	0.015	0
Pasco	0.014	0.162	0	0.615	0	0.001	0.025	0.559	<b>1.376</b>	0.761	0.615
Pinellas	0.003	0	0	0	0	0	0	0.167	<b>0.170</b>	0.170	0
*Polk	0.098	5.979	3.084	0.565	22.140	0.121	1.957	0.426	<b>34.37</b>	34.179	0.191
Sarasota	0.037	0	0	0	0	0.052	0.003	0.001	<b>0.093</b>	0.089	0.004
Sumter	0.001	0	0.177	0.018	0	0.076	0.051	0.373	<b>0.696</b>	0.673	0.023
<b>District Total</b>	0.174	10.582	3.807	1.243	23.893	4.817	7.129	7.268	<b>58.913</b>	55.354	3.559
<b>% of Total</b>	0.3%	18%	6%	2%	41%	8%	12%	12%	<b>100%</b>	94%	6%
<b>Groundwater Use</b>	0.170	10.417	3.788	0.628	23.893	4.688	4.530	7.240		55.354	
<b>Surface Water Use</b>	0.004	0.165	0.019	0.615	0	0.129	2.599	0.028			3.559

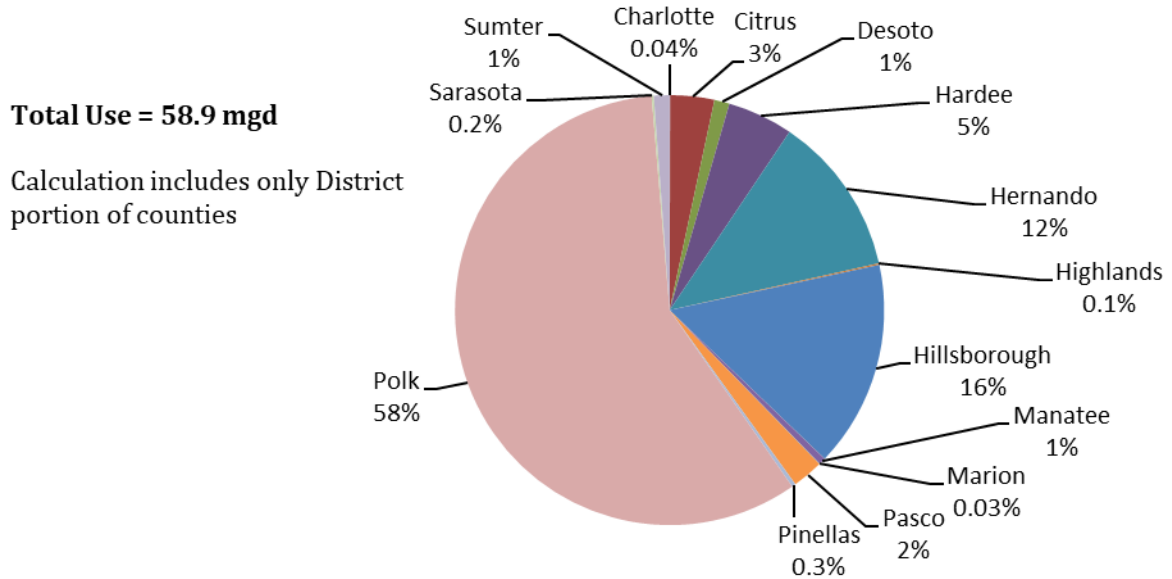
Data source: Estimated Water Use Tables derived from the WMIS database.

\* 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.

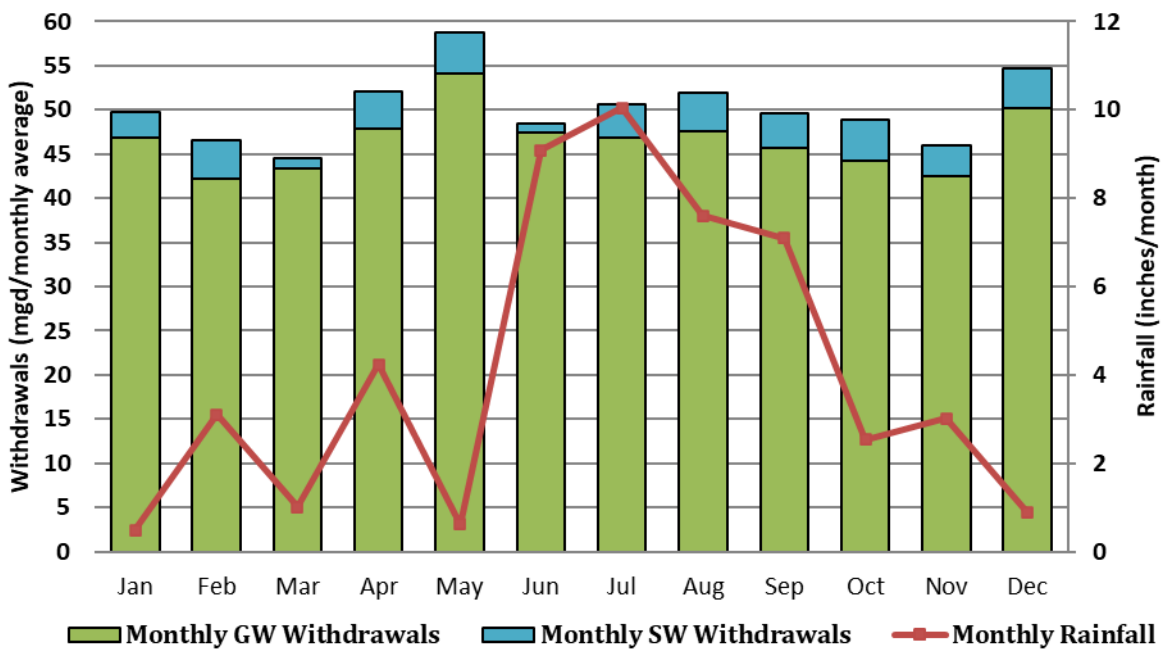
# 2021 ESTIMATED WATER USE REPORT

## Percent of Industrial/Commercial Use by County



**Figure 13. Percentage of Industrial/Commercial Water Use by County, 2021**  
(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), 2021**  
(Data sources: Appendix A, Table A-12 and District rainfall data)

## **2021 ESTIMATED WATER USE REPORT**

### **INSTITUTIONAL AND “OTHER” WITHDRAWAL/USE = 3.5 MGD**

Approximately 3.5 mgd were withdrawn for institutional and “other” water uses in the District in 2021. This was an increase from 2.1 mgd withdrawn in 2020, in part from more new permittees in the category.

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

By the end of 2021, there were 37 WUPs that utilized the institutional water use category and 13 WUPs using the “other” use category. The numbers will continue to grow as WUPs with uses that fit these categories are renewed and issued.

#### **INSTITUTIONAL USE**

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

The institutional uses include personal sanitary use, air conditioning supply, and landscape irrigation at schools, colleges, hospitals, and penitentiaries. They may also include fire-fighting supply, sports playing fields, fire systems, etc. The institutional use total was 0.9 mgd.

#### **“OTHER” USE**

The “other” use category includes WUPs for environmental augmentation, water for aquatic habitats, or other specific uses yet to be defined. Environmental augmentation was traditionally categorized with the predominant use that caused the environmental impacts.

Eleven of the 13 “other” WUPs active in 2021 were for environmental augmentation. The quantities are available to maintain minimum lake levels near regional wellfields in Pasco and Hillsborough counties, and minimum flows on the Hillsborough River. The augmentation withdrawals are operated to maintain surface water levels when they fall below specific trigger levels, as defined in environmental management plans. Augmentation is primarily needed during drought conditions, so demand is low when there is significant rainfall. In 2021, 18 percent of the permitted allocation for environmental augmentation was used.

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

#### **2021 DATA**

Table 7 provides the combined water use under the institutional or “other” categories. Figure 16 displays the monthly surface water and groundwater use in comparison to monthly rainfall. The month of May 2021 was relatively dry, and most of the augmentation occurred in May and early June.

Appendix A, Table A-13 provides the specific uses and quantities for WUPs in this category. Both metered and estimated WUPs are included since the list of WUPs is relatively small. Table A-14 provides the monthly use quantities by county. Appendix B provides groundwater and surface water use quantities in 2021 by county and by WUCA. Appendix C provides the quantities permitted in 2021 by county, by groundwater and surface water, and by WUCA. The Districtwide total permitted allocation for institutional and “other” uses was 16.5 mgd.

## 2021 ESTIMATED WATER USE REPORT

**Table 7. Institutional and “Other” Withdrawals (mgd) by County & Use Type, 2021**

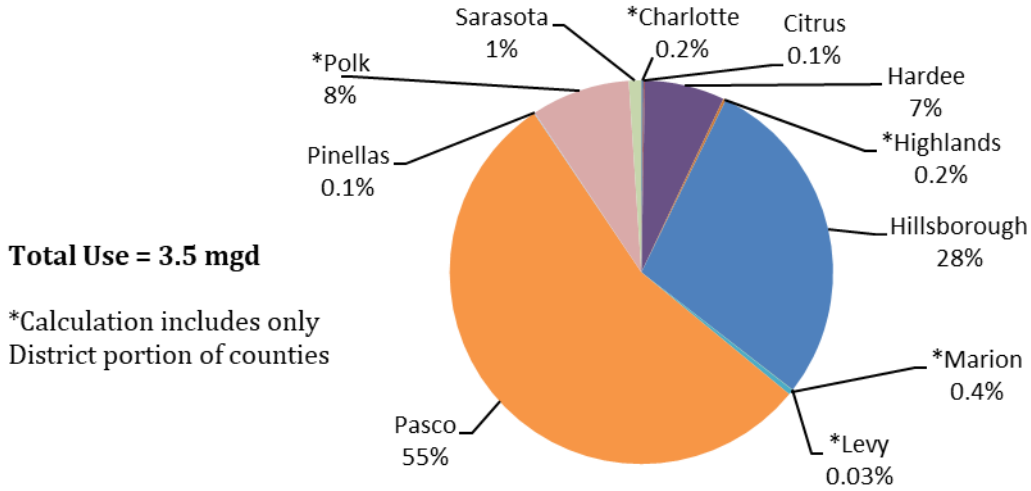
County	Institutional, Air Conditioning	Institutional, Fire Systems	Institutional, Landscape	Institutional, Personal/ Sanitary	Institutional, Sports Fields	"Other" Augmen- tation	"Other" Aquatic Habitat	Total	Ground- water	Surface Water
*Charlotte	0	0	0	0	0.006	0	0	<b>0.006</b>	0.006	0
Citrus	0	0.001	0.003	0	0	0	0	<b>0.004</b>	0.004	0
Desoto	0	0	0	0	0	0	0	<b>0</b>	0	0
Hardee	0	0	0	0.237	0	0	0	<b>0.237</b>	0.237	0
Hernando	0	0	0	0	0	0	0	<b>0</b>	0	0
*Highlands	0	0	0.006	0	0.002	0	0	<b>0.008</b>	0.008	0
Hillsborough	0.119	0	0.047	0.015	0	0.810	0	<b>0.991</b>	0.197	0.794
*Lake	0	0	0	0	0	0	0	<b>0</b>	0	0
*Levy	0	0	0	0	0.001	0	0	<b>0.001</b>	0.001	0
Manatee	0	0	0	0	0	0	0	<b>0</b>	0	0
*Marion	0	0	0	0.015	0	0	0	<b>0.015</b>	0.015	0
Pasco	0	0	0	0.168	0.003	1.744	0	<b>1.915</b>	1.773	0.142
Pinellas	0.003	0	0	0	0	0	0	<b>0.003</b>	0.003	0
*Polk	0	0	0	0.206	0	0	0.086	<b>0.292</b>	0.292	0
Sarasota	0.026	0	0	0	0.011	0	0	<b>0.037</b>	0.037	0
Sumter	0	0	0	0	0	0	0	<b>0</b>	0	0
<b>District Total</b>	<b>0.148</b>	<b>0.001</b>	<b>0.056</b>	<b>0.641</b>	<b>0.023</b>	<b>2.554</b>	<b>0.086</b>	<b>3.509</b>	<b>2.573</b>	<b>0.936</b>
<b>% of Total</b>	<b>4%</b>	<b>0%</b>	<b>2%</b>	<b>18%</b>	<b>1%</b>	<b>73%</b>	<b>2%</b>	<b>100%</b>	<b>73%</b>	<b>27%</b>
<b>Groundwater</b>	<b>0.148</b>	<b>0.001</b>	<b>0.056</b>	<b>0.641</b>	<b>0.023</b>	<b>1.648</b>	<b>0.086</b>	<b>2.603</b>	<b>2.603</b>	
<b>Surface Water</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0.906</b>	<b>0</b>	<b>0.906</b>		<b>0.906</b>

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

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

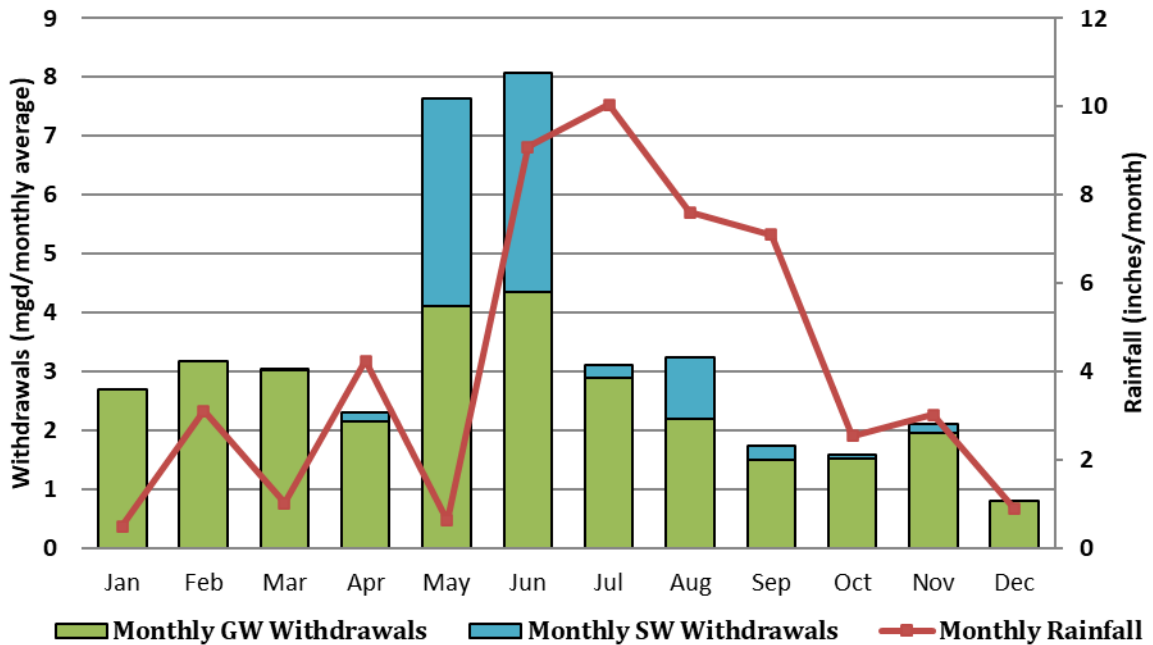
# 2021 ESTIMATED WATER USE REPORT

## Percent of Institutional/Other Use by County



**Figure 15. Percentage of Institutional and “Other” Water Use by County, 2021**  
(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), 2021**

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

## **2021 ESTIMATED WATER USE REPORT**

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## **2021 ESTIMATED WATER USE REPORT**

**DISTRICTWIDE TOTALS**  
**WITHDRAWALS = 1,095.3 MGD**  
**USE = 1,071.3 MGD**

The total amount of water *withdrawn* from water resources in the District was calculated as 1,095.3 mgd. The total *withdrawals* are up from 1,069.8 mgd in 2020 and are above a ten-year average of 1,084.1 mgd. Withdrawals increased from 2020 in the public supply, agriculture, industrial/commercial, and institutional/other use categories; and decreased in the domestic self-supply, landscape/recreation, and mining/dewatering categories.

This report quantifies public supply *withdrawals* and *uses* separately. After factoring public supply differences into the District total, the total water *used* in the District was calculated as 1,071.3 mgd, which was an increase from 1,041.6 mgd *used* in 2020.

### **2021 DATA**

The 2021 data was based on 6,898 WUPs active during the year with a combined 16,776 resource withdrawal points (groundwater wells or surface water intakes), plus reported seawater desalination production and demographic estimates for domestic self-supply use. Only 29 percent of the active WUPs were required to report metered water use to the District on a monthly or daily schedule. However, the metered WUPs may have water allocations that are orders-of-magnitude greater than unmetered WUPs. Therefore, the metered WUPs comprise 88 percent of the total allocation *permitted* by the District. Tables 8a and 8b show the historical metered quantities and the count and quantities permitted to metered and unmetered WUPs.

Table 9 provides the totals of water *withdrawn* and water *used* in the District in 2021 by use type and county, as summarized from the prior chapters. The quantities *withdrawn* and *used* are assumed to be the same for all use categories except public supply. The public supply *use* accounts for imports, exports,

treatment losses, and net storage changes in ASR or off-stream reservoirs; and can vary greatly by county from *withdrawn* quantities. Figure 17 provides a pie-chart comparison of quantities *withdrawn* and *used* by county.

Table 10 provides a comparison of *permitted* quantities to *withdrawn* quantities. The total quantity *permitted* for resource withdrawals on an annual average basis was 1,905.7 mgd.

New in this year's report, the domestic self-supply category is included in Table 10 for consistency with other tables. The permitted amount of domestic self-supply is zero because the domestic wells are not regulated by the WUPs. Excluding self-supply, 55 percent of the total *permitted* quantities were *withdrawn*. A substantial unused permitted quantity is expected because permit allocations provide for demands during drought conditions and for the future projected needs that may increase over the duration of the permit.

Tables 11 and 12 provide a similar comparison of permitted and withdrawn quantities, respectively for the metered and estimated WUPs only. As noted in prior chapters, a few large WUPs with multi-county withdrawals have their permitted allocation assigned solely to their home county, but their *withdrawals* are sorted among the counties where they occurred.

Figure 18 compares the amount of groundwater and surface water withdrawn in each county in 2021. The figure illustrates that Hillsborough County had the greatest amount of water *withdrawals* (294.4 mgd); however, 54 percent of the county's withdrawals were from surface water sources. Polk County had more groundwater *withdrawals* (199.3 mgd) than Hillsborough County (134.5 mgd). Appendix B, Table B-1 contains the data presented in this graph.

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

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rainfall since irrigation demands are a significant portion of water use. Districtwide average rainfall in 2021 was 49.7 inches, which was below the historic average of 52.8 inches. The month of May was particularly below average since that's when the region's rainy season typically begins.

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. This year, public supply accounted for more groundwater use than agriculture use.

### **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 in their PSARs, regional imports from water supply authorities, and the metered and estimated data for the public supply 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, and institutional/"other" use categories respectively. WUPs that have allocations for more than one predominant use type will appear in more than one table.

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

WMIS. Estimated shares are included in the totals and are based on monthly usage trends. Appendix B tables show the total annual average quantities *withdrawn* specifically by groundwater and surface water sources for each county, regulated water use category, and within each WUCA. Seawater and domestic self-supply estimates are excluded from these tables because these sources are not regulated by the District. Table B-1 provides the source data for Figure 18 and Figure 20. Tables B-6 and B-7 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. Tables C-6 and C-7 contain freeze protection quantities *permitted* for agricultural use in the DPC WUCA.

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 and a 5-year average.

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.

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**Table 8a. Summary of 10 Years Metered Water Use Data, 2011 - 2021**

<b>Pumpage from Metered Withdrawal Points, 2012 to 2021, mgd annual average</b>											
Use type	Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Public Supply		502.1	494.9	525.2	520.0	532.4	553.4	542.8	554.4	576.0	589.4
Landscape/Recreation		54.7	42.7	42.7	39.2	48.1	50.6	47.0	47.4	46.1	45.5
Agricultural		299.2	263.8	227.3	220.6	228.0	274.0	258.2	246.3	212.4	234.1
Mining/Dewatering		23.1	25.6	17.7	26.3	21.8	21.7	19.0	18.3	17.1	14.2
Industrial/Commercial		62.6	60.2	54.1	54.8	49.5	56.5	62.7	53.4	52.0	54.2
Institutional/Other Uses		NA	NA	0.6	0.2	1.1	0.6	0.5	0.5	1.9	3.4
District Total <sup>1</sup>		941.6	887.3	867.7	861.1	880.9	956.7	930.2	920.3	905.6	940.7
<b>Number of Metered Water Use Permits, 2012 to 2021</b>											
Use type	Year	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Public Supply		200	195	191	186	181	176	175	177	170	169
Landscape/Recreation		305	299	312	310	330	331	333	328	324	312
Agricultural		1,200	1,210	1,367	1,461	1,500	1,556	1,576	1,550	1,517	1,527
Mining/Dewatering		14	11	14	16	16	13	15	16	15	15
Industrial/Commercial		87	85	88	91	89	90	91	90	84	81
Institutional/Other Uses		NA	NA	2	4	6	6	8	12	15	22
District Total <sup>2</sup>		1,806	1,800	1,974	2,068	2,122	2,172	2,198	2,173	2,125	2,126

<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 97 duplicate counts for permits that have more than one predominant use type. In 2021, there were 2,029 unique metered permits.

**Table 8b. Annual Average Permitted Quantities, Metered and Unmetered WUPs, 2021**

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	831.366	336	816.909	169	14.457	167
Landscape/Recreation	125.454	1,063	94.871	312	30.583	751
Agricultural	735.954	5,301	562.428	1,527	173.526	3,774
Mining/Dewatering	55.413	75	52.193	15	3.220	60
Industrial/Commercial	140.987	298	127.198	81	13.789	217
Institutional and Other Uses	16.524	49	15.893	22	0.631	27
District Total <sup>1</sup>	1,905.698	7,122	1,669.492	2,126	236.206	4,996

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

<sup>1</sup> The number of permits in this table reflects 97 duplicate counts of permits that have more than one use. The distinct count of WUPs evaluated for this report was 6,898 total; 2,029 metered; and 4,869 estimated.

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**Table 9. Total Metered + Estimated Water Withdrawal and Use (mgd) Quantities by Predominant Use Category, 2021**

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	9.514	0.408	1.690	8.351	0.157	0.023	0.006	<b>20.149</b>	18.714	<b>29.349</b>
Citrus	14.621	4.204	3.014	1.587	0.031	1.956	0.004	<b>25.417</b>	14.343	<b>25.139</b>
DeSoto	31.483	0.736	0.133	55.985	0.007	0.669	0	<b>89.013</b>	1.409	<b>58.939</b>
Hardee <sup>4</sup>	1.286	0.524	0.116	35.895	1.489	2.912	0.237	<b>42.459</b>	1.265	<b>42.438</b>
Hernando	21.500	3.703	3.217	1.656	0.018	7.107	0	<b>37.201</b>	21.249	<b>36.950</b>
Highlands	8.457	0.827	2.064	37.426	0.010	0.072	0.008	<b>48.864</b>	8.236	<b>48.643</b>
Hillsborough <sup>4,5,6</sup>	238.765	8.036	9.132	39.864	1.646	9.143	0.991	<b>307.577</b>	167.661	<b>236.473</b>
*Lake	0	0.106	0	0.836	0	0	0	<b>0.942</b>	0	<b>0.942</b>
*Levy	0.853	0.742	0.180	9.585	0	0.008	0.001	<b>11.369</b>	0.741	<b>11.257</b>
Manatee <sup>4</sup>	52.467	0.746	9.858	41.521	2.904	0.303	0	<b>107.799</b>	46.419	<b>101.751</b>
*Marion	12.356	4.551	2.370	2.789	0.012	0.015	0.015	<b>22.108</b>	12.201	<b>21.953</b>
Pasco <sup>5</sup>	54.439	6.551	2.933	5.662	0.033	1.376	1.915	<b>72.909</b>	50.760	<b>69.230</b>
Pinellas <sup>5</sup>	24.216	0.276	3.229	0.010	0	0.170	0.003	<b>27.904</b>	89.975	<b>93.663</b>
*Polk <sup>4</sup>	79.095	1.908	7.682	72.742	8.266	34.370	0.292	<b>204.355</b>	79.101	<b>204.361</b>
Sarasota	23.246	2.290	9.206	2.832	0.004	0.093	0.037	<b>37.708</b>	36.469	<b>50.931</b>
Sumter	27.061	2.456	3.135	6.081	0.069	0.696	0	<b>39.498</b>	26.811	<b>39.248</b>
<b>Totals-</b>	<b>599.359</b>	<b>38.064</b>	<b>57.959</b>	<b>322.822</b>	<b>14.646</b>	<b>58.913</b>	<b>3.509</b>	<b>1,095.272</b>	<b>575.354</b>	<b>1,071.267</b>
<b>% of Withdrawal</b>	<b>55%</b>	<b>3%</b>	<b>5%</b>	<b>29%</b>	<b>1%</b>	<b>5%</b>	<b>0%</b>	<b>100%</b>		
<b>% of Use</b>		<b>4%</b>	<b>5%</b>	<b>30%</b>	<b>1%</b>	<b>5%</b>	<b>0%</b>		<b>54%</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 5.2 mgd of Tampa Bay Water's seawater desalination effluent. Seawater is not regulated by the District, and the quantity is not included in Table 10 and some other tables representing only permitted water resources.

## 2021 ESTIMATED WATER USE REPORT

**Table 10. 2021 Total (metered + estimated) Permitted and Withdrawn Annual Average Quantities (mgd).**

County	Agri- culture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Insti- tutional	Domestic Self Supply	Total
<b>Permitted Quantities</b>								
<b>*Charlotte</b>	28.359	0.084	0.608	17.725	4.887	0.027	0	51.690
<b>Citrus</b>	3.680	6.458	0.138	18.240	4.278	0.015	0	32.809
<b>Desoto</b>	111.641	1.372	0.029	81.170	0.860	0	0	195.072
<b>Hardee</b>	77.908	4.638	6.392	1.725	0.178	0.426	0	91.267
<b>Hernando</b>	3.572	12.674	0.307	25.869	6.124	0	0	48.546
<b>*Highlands</b>	56.955	0.360	0.030	11.242	2.757	0.039	0	71.383
<b>Hillsborough</b>	98.133	26.372	0.425	343.718	18.960	10.057	0	497.665
<b>*Lake</b>	1.798	0	0	0	0	0	0	1.798
<b>*Levy</b>	22.676	1.600	0.123	1.077	0.309	0.003	0	25.788
<b>Manatee</b>	151.242	0.708	0.485	63.790	27.925	0	0	244.150
<b>*Marion</b>	14.181	0.040	0.126	17.270	4.818	0.071	0	36.506
<b>Pasco</b>	16.919	5.830	0.298	20.988	6.175	5.184	0	55.394
<b>Pinellas</b>	0.199	0.360	0	27.472	6.155	0.025	0	34.211
<b>*Polk</b>	114.650	77.207	45.814	117.003	13.360	0.517	0	368.551
<b>Sarasota</b>	17.359	0.262	0.010	52.807	18.507	0.160	0	89.105
<b>Sumter</b>	16.682	3.022	0.628	31.270	10.161	0	0	61.763
<b>District</b>	<b>735.954</b>	<b>140.987</b>	<b>55.413</b>	<b>831.366</b>	<b>125.454</b>	<b>16.524</b>	<b>0</b>	<b>1,905.698</b>
<b>Withdrawn Quantities</b>								
<b>*Charlotte</b>	8.351	0.023	0.158	9.514	1.690	0.006	0.408	20.150
<b>Citrus</b>	1.587	1.956	0.031	14.621	3.014	0.004	4.204	25.417
<b>Desoto</b>	55.985	0.669	0.007	31.483	0.133	0	0.736	89.013
<b>Hardee</b>	35.895	2.912	1.489	1.286	0.116	0.237	0.524	42.459
<b>Hernando</b>	1.656	7.107	0.018	21.500	3.217	0	3.703	37.201
<b>*Highlands</b>	37.426	0.072	0.010	8.457	2.064	0.008	0.827	48.864
<b>Hillsborough</b>	39.864	9.143	1.646	233.585	9.132	0.991	8.036	302.397
<b>*Lake</b>	0.836	0	0	0	0	0	0.106	0.942
<b>*Levy</b>	9.585	0.008	0	0.853	0.180	0.001	0.742	11.369
<b>Manatee</b>	41.521	0.303	2.904	52.467	9.858	0	0.746	107.799
<b>*Marion</b>	2.789	0.015	0.012	12.356	2.370	0.015	4.551	22.108
<b>Pasco</b>	5.662	1.376	0.034	54.439	2.933	1.915	6.551	72.910
<b>Pinellas</b>	0.010	0.170	0	24.216	3.229	0.003	0.276	27.904
<b>*Polk</b>	72.742	34.370	8.264	79.095	7.682	0.292	1.908	204.353
<b>Sarasota</b>	2.832	0.093	0.004	23.246	9.206	0.037	2.290	37.708
<b>Sumter</b>	6.081	0.696	0.069	27.061	3.135	0	2.456	39.498
<b>District</b>	<b>322.822</b>	<b>58.913</b>	<b>14.646</b>	<b>594.179</b>	<b>57.959</b>	<b>3.509</b>	<b>38.064</b>	<b>1,090.092</b>
<b>% Withdrawn</b>	<b>44%</b>	<b>42%</b>	<b>26%</b>	<b>71%</b>	<b>46%</b>	<b>21%</b>	<b>NA</b>	<b>57%</b>

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

New in this year's report - Domestic Self-Supply is included to help correlate withdrawal total with other tables.

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).

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

Data source: Estimated Water Use Tables derived from the WMIS database, and 2021 PSARs.

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**Table 11. 2021 Permitted and Withdrawn Annual Average Quantities (mgd),  
Metered WUPs Only**

County	Agri- culture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Insti- tutional	Domestic Self Supply	Total
<b>Permitted Quantities</b>								
<b>*Charlotte</b>	26.414	0.023	0.019	13.708	3.340	0	0	43.504
<b>Citrus</b>	0.497	5.591	0	17.817	3.040	0	0	26.945
<b>Desoto</b>	99.748	1.222	0	81.094	0.112	0	0	182.176
<b>Hardee</b>	54.247	4.546	6.392	1.685	0	0.424	0	67.294
<b>Hernando</b>	0	7.184	0	25.747	3.414	0	0	36.345
<b>*Highlands</b>	44.939	0	0	11.073	2.236	0	0	58.248
<b>Hillsborough</b>	81.207	24.719	0.192	342.967	14.737	9.919	0	473.741
<b>*Lake</b>	0.686	0	0	0	0	0	0	0.686
<b>*Levy</b>	13.059	0	0	1.077	0.000	0	0	14.136
<b>Manatee</b>	139.961	0.477	0.069	63.786	24.428	0	0	228.721
<b>*Marion</b>	5.339	0	0	17.028	3.470	0	0	25.837
<b>Pasco</b>	8.522	5.538	0.004	19.483	4.835	5.169	0	43.551
<b>Pinellas</b>	0.194	0.036	0	27.389	4.888	0.019	0	32.526
<b>*Polk</b>	66.318	75.706	45.418	113.928	9.424	0.253	0	311.047
<b>Sarasota</b>	16.355	0	0	52.680	13.849	0.109	0	82.993
<b>Sumter</b>	4.942	2.156	0.099	27.447	7.098	0	0	41.742
<b>District</b>	<b>562.428</b>	<b>127.198</b>	<b>52.193</b>	<b>816.909</b>	<b>94.871</b>	<b>15.893</b>	<b>0</b>	<b>1,669.492</b>
<b>Withdrawn Quantities</b>								
<b>*Charlotte</b>	7.711	0	0.011	9.503	1.192	0	0	18.417
<b>Citrus</b>	0.189	1.737	0	14.391	2.357	0.001	0	18.675
<b>Desoto</b>	50.047	0.595	0	31.429	0.000	0	0	82.071
<b>Hardee</b>	22.067	2.877	1.489	1.255	0	0.237	0	27.925
<b>Hernando</b>	0	4.416	0	21.416	2.197	0	0	28.029
<b>*Highlands</b>	29.953	0	0	8.375	1.722	0	0	40.050
<b>Hillsborough</b>	32.718	8.671	1.631	233.071	7.296	0.938	0	284.325
<b>*Lake</b>	0.272	0	0	0	0	0	0	0.272
<b>*Levy</b>	5.880	0	0	0.853	0	0	0	6.733
<b>Manatee</b>	37.831	0.217	2.903	52.464	8.316	0	0	101.731
<b>*Marion</b>	0.176	0	0	12.212	1.644	0	0	14.032
<b>Pasco</b>	0.829	1.323	0.001	53.355	2.151	1.912	0	59.571
<b>Pinellas</b>	0.008	0.046	0	24.149	2.536	0.003	0	26.742
<b>*Polk</b>	42.196	33.847	8.169	78.147	5.782	0.197	0	168.338
<b>Sarasota</b>	2.396	0	0	23.169	7.320	0.026	0	32.895
<b>Sumter</b>	1.838	0.418	0.016	25.583	2.958	0	0	30.813
<b>District</b>	<b>234.111</b>	<b>54.131</b>	<b>14.220</b>	<b>589.372</b>	<b>45.471</b>	<b>3.314</b>	<b>0.000</b>	<b>940.619</b>
<b>% Withdrawn</b>	<b>42%</b>	<b>43%</b>	<b>27%</b>	<b>72%</b>	<b>48%</b>	<b>21%</b>	<b>NA</b>	<b>56%</b>

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

New in this year's report - Domestic Self-Supply is included to help correlate withdrawal total with other tables.

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).

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

Data source: Estimated Water Use Tables derived from the WMIS database, and 2021 PSARs.

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**Table 12. 2021 Permitted and Estimated Withdrawn Annual Average Quantities (mgd),  
Non-Metered (Estimated) WUPs Only**

County	Agri- culture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Insti- tutional	Domestic Self Supply	Total
<b>Permitted Quantities</b>								
<b>*Charlotte</b>	1.945	0.061	0.589	4.017	1.547	0.027	0	8.186
<b>Citrus</b>	3.183	0.867	0.138	0.423	1.238	0.015	0	5.864
<b>Desoto</b>	11.893	0.150	0.029	0.076	0.748	0	0	12.896
<b>Hardee</b>	23.661	0.092	0	0.040	0.178	0.002	0	23.973
<b>Hernando</b>	3.572	5.490	0.307	0.122	2.710	0	0	12.201
<b>*Highlands</b>	12.016	0.360	0.030	0.169	0.521	0.039	0	13.135
<b>Hillsborough</b>	16.926	1.653	0.233	0.751	4.223	0.138	0	23.924
<b>*Lake</b>	1.112	0	0	0	0	0	0	1.112
<b>*Levy</b>	9.617	1.600	0.123	0	0.309	0.003	0	11.652
<b>Manatee</b>	11.281	0.231	0.416	0.004	3.497	0	0	15.429
<b>*Marion</b>	8.842	0.040	0.126	0.242	1.348	0.071	0	10.669
<b>Pasco</b>	8.397	0.292	0.294	1.505	1.340	0.015	0	11.843
<b>Pinellas</b>	0.005	0.324	0	0.083	1.267	0.006	0	1.685
<b>*Polk</b>	48.332	1.501	0.396	3.075	3.936	0.264	0	57.504
<b>Sarasota</b>	1.004	0.262	0.010	0.127	4.658	0.051	0	6.112
<b>Sumter</b>	11.740	0.866	0.529	3.823	3.063	0	0	20.021
<b>District</b>	<b>173.526</b>	<b>13.789</b>	<b>3.220</b>	<b>14.457</b>	<b>30.583</b>	<b>0.631</b>	<b>0</b>	<b>236.206</b>
<b>Withdrawn Quantities</b>								
<b>*Charlotte</b>	0.640	0.023	0.147	0.011	0.498	0.006	0.408	1.733
<b>Citrus</b>	1.398	0.219	0.031	0.230	0.657	0.003	4.204	6.742
<b>Desoto</b>	5.938	0.074	0.007	0.054	0.133	0	0.736	6.942
<b>Hardee</b>	13.828	0.035	0	0.031	0.116	0	0.524	14.534
<b>Hernando</b>	1.656	2.691	0.018	0.084	1.020	0	3.703	9.172
<b>*Highlands</b>	7.473	0.072	0.010	0.082	0.342	0.008	0.827	8.814
<b>Hillsborough</b>	7.146	0.472	0.015	0.514	1.836	0.053	8.036	18.072
<b>*Lake</b>	0.564	0	0	0	0	0	0.106	0.670
<b>*Levy</b>	3.705	0.008	0	0	0.180	0.001	0.742	4.636
<b>Manatee</b>	3.690	0.086	0.001	0.003	1.542	0	0.746	6.068
<b>*Marion</b>	2.613	0.015	0.012	0.144	0.726	0.015	4.551	8.076
<b>Pasco</b>	4.833	0.053	0.033	1.084	0.782	0.003	6.551	13.339
<b>Pinellas</b>	0.002	0.124	0	0.067	0.693	0	0.276	1.162
<b>*Polk</b>	30.546	0.523	0.095	0.948	1.900	0.095	1.908	36.015
<b>Sarasota</b>	0.436	0.109	0.004	0.077	1.886	0.011	2.290	4.813
<b>Sumter</b>	4.243	0.278	0.053	1.478	0.177	0	2.456	8.685
<b>District</b>	<b>88.711</b>	<b>4.782</b>	<b>0.426</b>	<b>4.807</b>	<b>12.488</b>	<b>0.195</b>	<b>38.064</b>	<b>149.473</b>
<b>% Withdrawn</b>	<b>51%</b>	<b>35%</b>	<b>13%</b>	<b>33%</b>	<b>41%</b>	<b>31%</b>	<b>NA</b>	<b>63%</b>

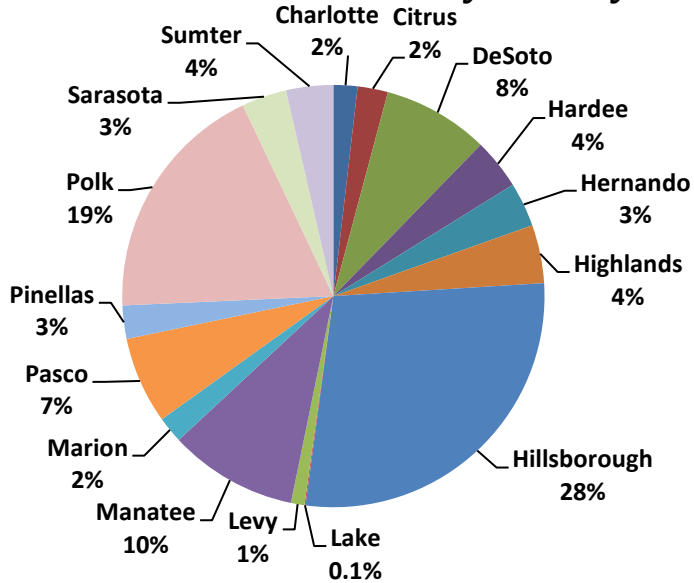
\* Data is for only the portion of the county located within the District boundaries.  
 New in this year's report - Domestic Self-Supply is included to help correlate withdrawal total with other tables.  
 Rounding errors of less than 0.1 percent may exist when comparing to other tables.  
 Data source: Estimated Water Use Tables derived from the WMIS database.

# 2021 ESTIMATED WATER USE REPORT

## Percentage Total Water Withdrawn by County

**Total Withdrawals = 1,095 mgd**

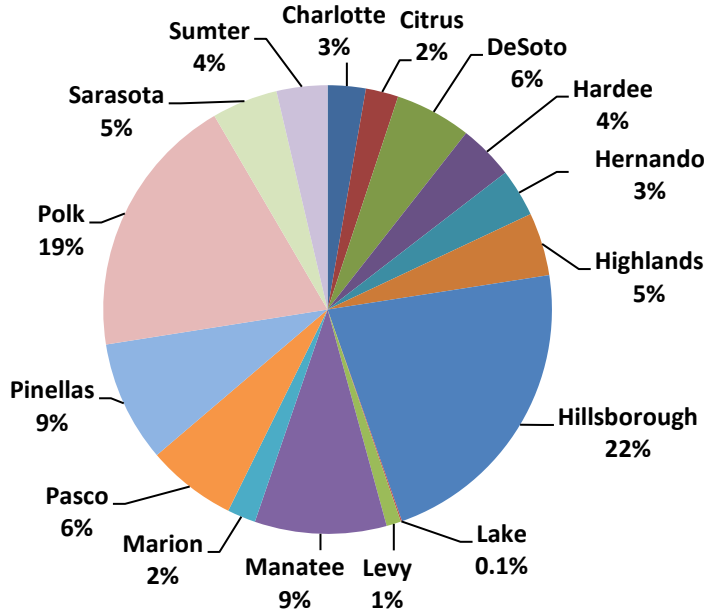
Data only for the portion of the counties within the District.



## Percentage Total Water Used by County

**Total Use = 1,071 mgd**

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



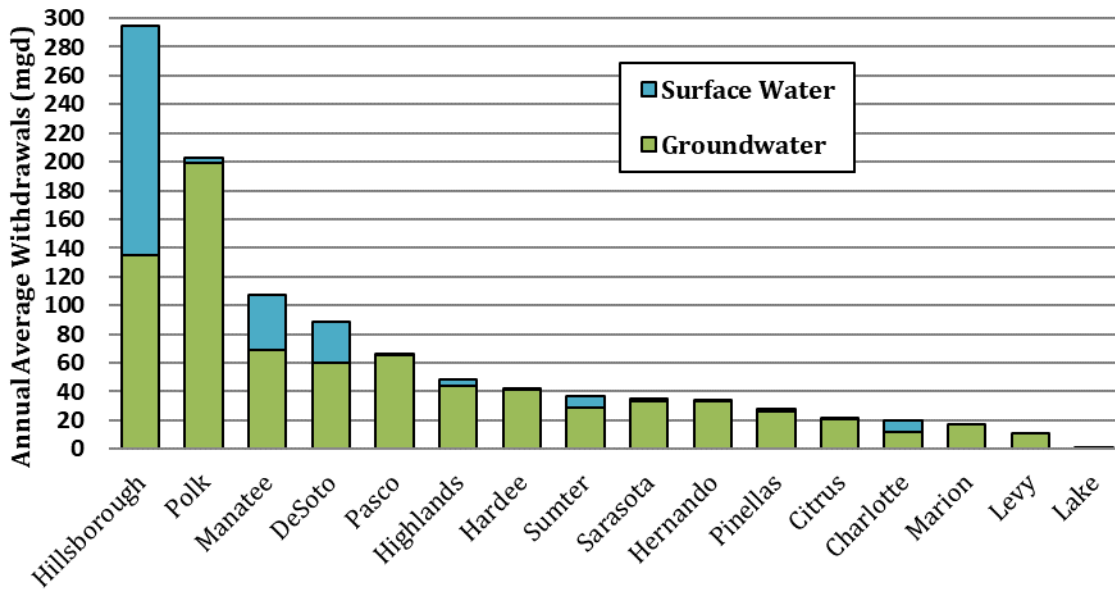
**Figure 17. Percentages of Total Withdrawals and Total Use by County, 2021**

(Data Source: Table 9)



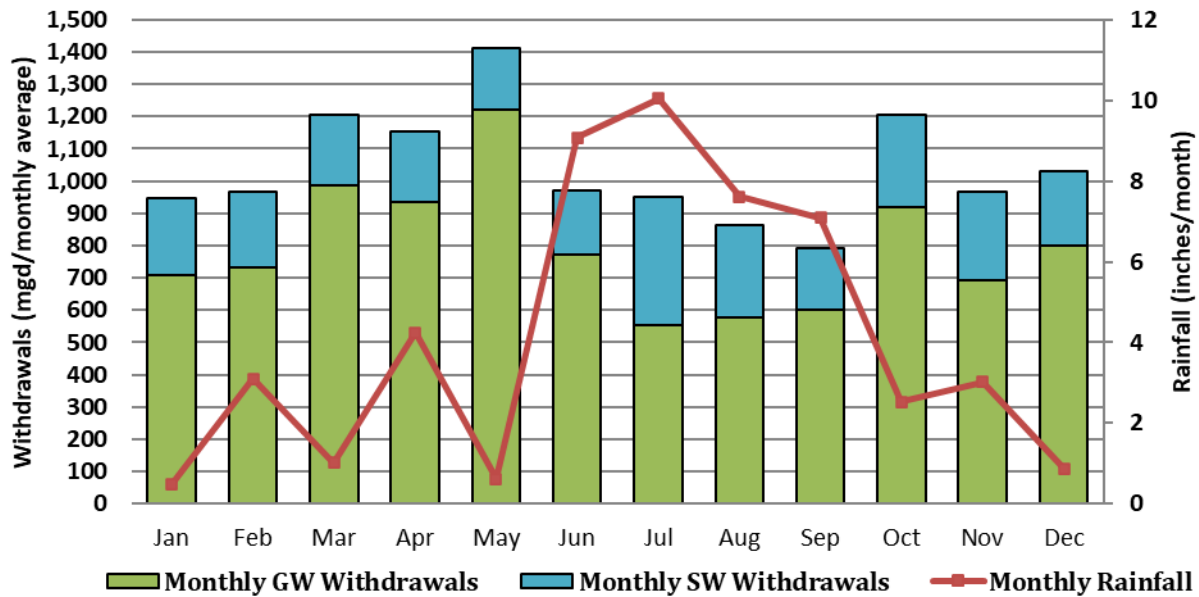
# 2021 ESTIMATED WATER USE REPORT

## Total Groundwater and Surface Water Withdrawals by County in 2021



**Figure 18. Total Groundwater and Surface Water Withdrawals by County, 2021**  
 (Data Source: Appendix B, Table B-1. The domestic self-supply category is excluded.)

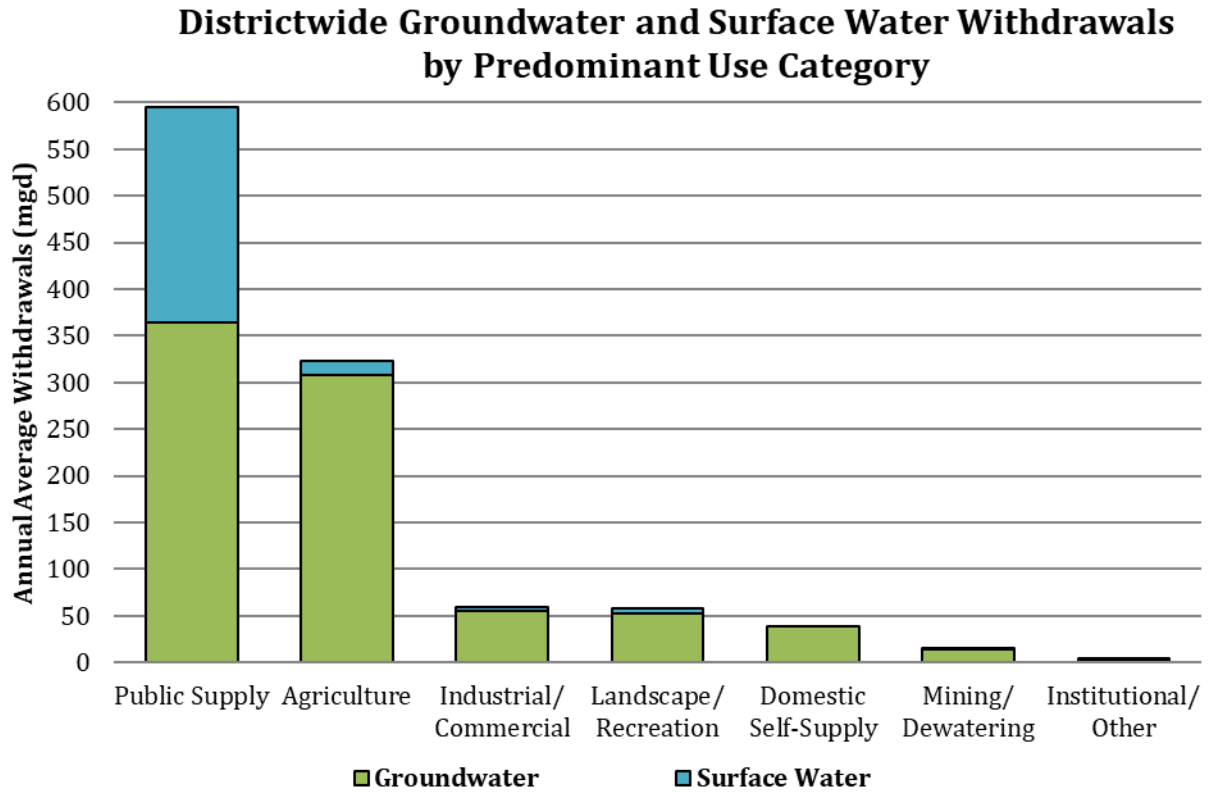
## Total Groundwater and Surface Water Withdrawals and Rainfall by Month



**Figure 19. Total Groundwater and Surface Water Withdrawals by Month and Total Monthly Rainfall, 2021**

(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.)

## 2021 ESTIMATED WATER USE REPORT



**Figure 20. Total Groundwater and Surface Water Withdrawals by Predominant Use Category, 2021**

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

**2021 ESTIMATED WATER USE REPORT**

**APPENDIX A**

**SUMMARIES OF METERED WITHDRAWALS**

**PER USE CATEGORY**

**BY WATER USE PERMIT**

# **2021 ESTIMATED WATER USE REPORT**

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

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

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

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

### **Per Capita Rates:**

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

### **New for 2021:**

The Tampa Bay Water WUPs no longer require a PSAR submittal, so beginning with this year's EWU Report the WUPs have been moved from Table A-1 Part 1 to Table A-1 Part 2. This makes a significant difference to the totals in both tables from prior years.

## 2021 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2021 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2021 Withdrawal	(3) PSA R 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)
<b>Charlotte County</b>																		
718	Gasparilla Island	1.538	<b>1.412</b>	Y	GW/RO	0.003	0.000	0.344	1.072	6,254	171	0.000	0.000	0.000	171	0.000	0.290	125
871	City of Punta Gorda	8.088	<b>6.971</b>	Y	SW	1.394	1.652	1.160	5.553	40,211	138	0.000	0.000	0.000	138	0.000	0.000	138
1512	Charlotte Harbor Water	0.91	<b>0.514</b>	Y	GW/RO	0.000	0.000	0.108	0.406	4,576	89	0.000	0.000	0.000	89	0.000	0.000	89
3522	Charlotte Co BOCC	3.172	<b>0.606</b>	Y	GW/RO	0.000	0.000	0.130	0.476	7,383	65	0.000	0.000	0.000	65	0.000	0.000	65
7104	Charlotte Co BOCC	Wholesale	<b>0.000</b>	Y	GW/SW	11.581	0.272	0.113	11.196	141,173	79	0.000	0.000	0.000	79	0.000	0.000	79
<b>Charlotte County Totals</b>			<b>9.503</b>			<b>12.978</b>	<b>1.924</b>	<b>1.854</b>	<b>18.702</b>	<b>199,597</b>	<b>94</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>94</b>	<b>0.000</b>	<b>0.290</b>	<b>92</b>
<b>Citrus County</b>																		
207	City of Crystal River <sup>19</sup>	0.919	<b>0.689</b>	Y	GW	0.023	0.000	0.025	0.687	5,698	121	0.000	0.000	0.000	121	0.000	0.000	121
419	City of Inverness <sup>19</sup>	1.535	<b>1.150</b>	Y	GW	0.000	0.000	0.007	1.143	9,166	125	0.000	0.000	0.000	125	0.000	0.000	125
1118	Floral City Water Assoc	0.395	<b>0.311</b>	Y	GW	0.000	0.000	0.007	0.304	5,196	58	0.000	0.000	0.000	58	0.000	0.000	58
2842	Citrus County	4.780	<b>2.602</b>	Y	GW	0.000	0.000	0.028	2.573	21,150	122	0.000	0.000	0.000	122	0.000	0.000	122
4153	Rolling Oaks Utilities Inc	1.573	<b>1.548</b>	Y	GW	0.000	0.000	0.068	1.481	11,856	125	0.000	0.000	0.000	125	0.000	0.000	125
4406	Homosassa Water Dist.	0.960	<b>0.846</b>	Y	GW	0.000	0.043	0.005	0.798	5,829	137	0.000	0.000	0.000	137	0.000	0.000	137
6691	Gulf Highway Land Corp	0.288	<b>0.061</b>	Y	GW	0.000	0.000	0.000	0.061	589	104	0.000	0.000	0.000	104	0.000	0.000	104
7121	Citrus County & WRWSA	4.597	<b>4.736</b>	Y	GW	0.000	0.446	0.045	4.245	28,550	149	0.000	0.000	0.000	149	0.000	0.272	139
9097	Tarawood Utilities	0.150	<b>0.008</b>	Y	GW	0.000	0.000	0.000	0.008	161	49	0.000	0.000	0.000	49	0.000	0.000	49
9791	Citrus County	2.435	<b>2.165</b>	Y	GW	0.000	0.000	0.025	2.140	14,405	149	0.000	0.000	0.000	149	0.000	0.000	149
11839	GCP Walden Woods	0.188	<b>0.173</b>	Y	GW	0.000	0.000	0.000	0.173	1,021	169	0.000	0.000	0.000	169	0.000	0.000	169
20230	Ozello Water Assoc	Wholesale	<b>0.000</b>	Y	GW	0.400	0.000	0.002	0.398	4,739	84	0.000	0.000	0.000	84	0.000	0.000	84
<b>Citrus County Totals</b>			<b>14.289</b>			<b>0.423</b>	<b>0.489</b>	<b>0.212</b>	<b>14.010</b>	<b>108,360</b>	<b>129</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>129</b>	<b>0.000</b>	<b>0.272</b>	<b>127</b>
<b>Desoto County</b>																		
4725	City of Arcadia	1.093	<b>0.622</b>	Y	GW	0.158	0.000	0.015	0.765	12,113	63	0.000	0.000	0.000	63	0.000	0.000	63
10420	PRMRWSA <sup>18</sup>	80.000	<b>30.806</b>	Y	SW/GW	0.000	28.854	1.854	0.098	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	0.660	0.160	0.009	0.491	6,188	79	0.000	0.000	0.000	79	0.000	0.000	79
<b>Desoto County Totals</b>			<b>31.428</b>			<b>0.818</b>	<b>29.014</b>	<b>1.878</b>	<b>1.354</b>	<b>18,301</b>	<b>74</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>74</b>	<b>0.000</b>	<b>0.000</b>	<b>74</b>
<b>Hardee County</b>																		
30	City of Bowling Green	0.287	<b>0.245</b>	Y	GW	0.000	0.000	0.000	0.244	4,658	52	0.000	0.000	0.000	52	0.000	0.000	52
4461	City of Wauchula	0.782	<b>0.656</b>	Y	GW	0.000	0.000	0.012	0.644	6,776	95	0.000	0.000	0.000	95	0.000	0.000	95

## 2021 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2021 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2021 Withdrawal	(3) PSA R 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)
7658	Town of Zolfo Springs	0.175	0.147	Y	GW	0.000	0.000	0.004	0.144	2,505	57	0.000	0.000	0.000	57	0.000	0.000	57
13026	Hardee County BOCC	0.439	0.206	Y	GW	0.000	0.000	0.005	0.201	3,038	66	0.000	0.000	0.000	66	0.000	0.000	66
<b>Hardee County Totals</b>			<b>1.255</b>			<b>0.000</b>	<b>0.000</b>	<b>0.021</b>	<b>1.233</b>	<b>16,977</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	20.083	Y	GW	0.000	0.000	0.237	19.846	151,827	131	0.000	0.000	0.000	131	0.000	0.000	131
7627	City of Brooksville	2.448	1.333	Y	GW	0.000	0.000	0.013	1.319	17,232	77	0.000	0.000	0.000	77	0.000	0.000	77
<b>Hernando County Totals</b>			<b>21.416</b>			<b>0.000</b>	<b>0.000</b>	<b>0.251</b>	<b>21.165</b>	<b>169,059</b>	<b>125</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>125</b>	<b>0.000</b>	<b>0.000</b>	<b>125</b>
<b>Highlands County</b>																		
4167	HC Waterworks	0.155	0.101	Y	GW	0.000	0.000	0.002	0.099	1,404	70	0.000	0.000	0.000	70	0.000	0.000	70
4492	City of Sebring	5.811	3.953	Y	GW	0.000	0.000	0.057	3.896	35,743	109	0.000	0.000	0.000	109	0.000	0.000	109
4980	Lake Placid Holding	0.406	0.438	Y	GW	0.000	0.000	0.004	0.433	4,670	93	0.000	0.000	0.000	93	0.000	0.000	93
5270	Town of Lake Placid	0.807	0.645	Y	GW	0.000	0.000	0.006	0.639	7,170	89	0.000	0.000	0.000	89	0.000	0.000	89
6029	City of Avon Park	2.372	2.176	Y	GW	0.000	0.000	0.082	2.094	22,789	92	0.000	0.000	0.000	92	0.000	0.000	92
7139	Buttonwood Bay Util	0.203	0.184	Y	GW	0.000	0.000	0.013	0.171	1,631	105	0.000	0.000	0.000	105	0.000	0.000	105
13099	Sun N Lake of Sebring	1.104	0.767	Y	GW	0.000	0.000	0.057	0.710	7,977	89	0.000	0.000	0.000	89	0.000	0.000	89
<b>Highlands County Totals</b>			<b>8.264</b>			<b>0.000</b>	<b>0.000</b>	<b>0.221</b>	<b>8.043</b>	<b>81,384</b>	<b>99</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>99</b>	<b>0.000</b>	<b>0.000</b>	<b>99</b>
<b>Hillsborough County</b>																		
450	City of Temple Terrace	5.150	4.234	Y	GW	0.000	0.000	0.397	3.837	30,825	124	0.000	0.000	0.000	124	0.000	0.000	124
1776	City of Plant City	9.852	6.202	Y	GW	0.268	0.081	0.069	6.320	42,056	150	1.140	0.000	0.000	123	0.000	0.588	109
2062	City of Tampa Water Dept 20	82.000	80.409	Y	SW	0.053	1.588	3.069	75.805	714,114	106	0.000	0.000	0.000	106	0.000	2.506	103
2285	Davpam Mobile Home Assoc. LLC	0.154	0.166	Y	GW	0.000	0.000	0.002	0.164	1,313	125	0.000	0.000	0.000	125	0.000	0.000	125
6879	MHC The Meadows at Countrywood	0.236	0.208	Y	GW	0.000	0.000	0.000	0.208	2,124	98	0.000	0.000	0.000	98	0.000	0.000	98
7637	Riverside Golf Course Comm LLC	0.222	0.378	Y	SW/GW	0.000	0.056	0.003	0.319	1,315	242	0.000	0.000	0.000	242	0.149	0.000	129
7790	Paradise Village MHC	0.128	0.142	Y	GW	0.000	0.000	0.001	0.140	2,225	63	0.000	0.000	0.000	63	0.000	0.000	63
10443	Windemere Utility Company	0.317	0.265	Y	GW	0.000	0.000	0.002	0.263	2,774	95	0.000	0.000	0.000	95	0.000	0.000	95
20141	Hillsborough County BOCC	Wholesale	0.000	Y	SW/GW	74.300	0.000	0.743	73.557	686,470	107	0.000	0.000	0.000	107	0.000	0.000	107
<b>Hillsborough County Totals</b>			<b>92.004</b>			<b>74.621</b>	<b>1.725</b>	<b>4.286</b>	<b>160.614</b>	<b>1,483,216</b>	<b>108</b>	<b>1.140</b>	<b>0.000</b>	<b>0.000</b>	<b>108</b>	<b>0.149</b>	<b>3.094</b>	<b>105</b>
<b>Lake County</b>																		

## 2021 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2021 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2021 Withdrawal	(3) PSA R 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)
There were no Public Supply Permittees in the SWFWMD Portion of Lake County																		
<b>Levy County</b>																		
5640	City of Williston	0.827	0.575	Y	GW	0.000	0.000	0.051	0.524	4,923	106	0.000	0.000	0.000	106	0.000	0.000	106
8953	Town of Inglis	0.151	0.194	Y	GW	0.000	0.001	0.060	0.133	1,633	82	0.000	0.000	0.000	82	0.000	0.000	82
<b>Levy County Totals</b>			<b>0.769</b>			<b>0.000</b>	<b>0.001</b>	<b>0.111</b>	<b>0.657</b>	<b>6,556</b>	<b>100</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>100</b>	<b>0.000</b>	<b>0.000</b>	<b>100</b>
<b>Manatee County</b>																		
6392	City of Bradenton	6.950	6.232	N	SW	0.215	0.011	0.276	6.159	75,307	82	0.000	0.000	0.000	82	0.000	0.000	82
10963	Town of Longboat Key	Wholesale	0.000	Y	SW	1.911	0.000	0.025	1.887	18,356	103	0.000	0.000	0.000	103	0.000	0.000	103
12443	City of Palmetto	Wholesale	0.000	Y	SW/GW	1.391	0.009	0.014	1.368	18,620	73	0.000	0.000	0.000	73	0.000	0.000	73
13343, 7345	Manatee County BOCC <sup>18</sup>	54.836, 1.96	46.215	Y	SW/GW	1.150	7.438	2.942	36.986	388,253	95	2.747	0.000	0.000	88	0.000	2.325	82
<b>Manatee County Totals</b>			<b>52.447</b>			<b>4.666</b>	<b>7.457</b>	<b>3.257</b>	<b>46.400</b>	<b>500,536</b>	<b>93</b>	<b>2.747</b>	<b>0.000</b>	<b>0.000</b>	<b>87</b>	<b>0.000</b>	<b>2.325</b>	<b>83</b>
<b>Marion County</b>																		
1156	Bay Laurel CDD	7.561	3.611	Y	GW	0.000	0.000	0.101	3.510	16,516	213	0.000	0.000	0.000	213	0.000	0.399	188
2999	Marion Utilities Inc	0.126	0.095	Y	GW	0.000	0.000	0.001	0.095	1,134	84	0.000	0.000	0.000	84	0.000	0.000	84
5643	Utilities Inc of Florida	0.188	0.132	Y	GW	0.000	0.000	0.001	0.131	1,014	129	0.000	0.000	0.000	129	0.000	0.000	129
6151	Marion Co Utilities Dept	6.661	5.741	Y	GW	0.000	0.000	0.040	5.701	43,070	132	0.000	0.000	0.000	132	0.000	0.000	132
7849	Marion Utilities Inc	0.149	0.103	Y	GW	0.000	0.000	0.000	0.103	1,148	90	0.000	0.000	0.000	90	0.000	0.000	90
8020	Marion Landing	0.152	0.129	Y	GW	0.000	0.000	0.000	0.129	1,127	115	0.000	0.000	0.000	115	0.000	0.000	115
8339	City of Dunnellon	1.117	1.280	Y	GW	0.000	0.000	0.013	1.267	6,704	189	0.000	0.000	0.000	189	0.000	0.000	189
8481	Spruce Creek Dev.	0.834	0.924	Y	GW	0.000	0.000	0.000	0.924	7,455	124	0.000	0.000	0.000	124	0.000	0.000	124
<b>Marion County Totals</b>			<b>12.015</b>			<b>0.000</b>	<b>0.000</b>	<b>0.155</b>	<b>11.860</b>	<b>78,168</b>	<b>152</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>152</b>	<b>0.000</b>	<b>0.399</b>	<b>147</b>
<b>Pasco County</b>																		
279	Aqua Utilities FL Inc	0.319	0.327	Y	GW	0.000	0.000	0.001	0.326	4,105	79	0.000	0.000	0.000	79	0.000	0.000	79
590	Mad Hatter Utility Inc	1.000	0.810	Y	GW	0.000	0.000	0.003	0.807	8,385	96	0.000	0.000	0.000	96	0.000	0.000	96
1631	City of Dade City	1.971	1.680	Y	GW	0.000	0.000	0.017	1.663	13,231	126	0.000	0.000	0.000	126	0.000	0.000	126
2978	Fl. Gov. Utility Authority	0.870	0.714	Y	GW	0.017	0.000	0.015	0.716	5,489	130	0.000	0.000	0.000	130	0.000	0.000	130
3182	FGUA Seven Springs	2.289	2.292	Y	GW	0.403	0.000	0.076	2.619	31,872	82	0.000	0.000	0.000	82	0.000	0.000	82
3590	Utilities Inc of FL	0.260	0.250	Y	GW	0.000	0.000	0.001	0.248	3,646	68	0.000	0.000	0.000	68	0.000	0.000	68
3692	City Of Port Richey	1.050	0.754	Y	GW	0.032	0.000	0.030	0.755	7,626	99	0.000	0.000	0.000	99	0.000	0.000	99

## 2021 ESTIMATED WATER USE REPORT

**TABLE A-1, Part 1. 2021 Public Supply Annual Report (PSAR) Water Use Data**

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2021 With-drawal	(3) PSA R 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. Miti-gation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
4550	City Of San Antonio	0.207	<b>0.169</b>	Y	GW	0.000	0.000	0.001	0.168	2,503	67	0.000	0.000	0.000	67	0.000	0.000	67
4669	Hudson Water Works Inc	0.691	<b>0.698</b>	Y	GW	0.000	0.000	0.007	0.691	7,169	96	0.000	0.000	0.000	96	0.000	0.000	96
4734	City of New Port Richey	0.490	<b>0.251</b>	Y	GW	5.167	2.038	0.031	3.350	33,039	101	0.000	0.000	0.000	101	0.000	0.000	101
6040	City of Zephyrhills	3.308	<b>2.452</b>	Y	GW	0.000	0.017	0.029	2.406	29,117	83	0.000	0.000	0.000	83	0.000	0.000	83
7999	FGUA Angus Valley	0.145	<b>0.135</b>	Y	GW	0.000	0.000	0.001	0.134	2,037	66	0.000	0.000	0.000	66	0.000	0.000	66
8417	FGUA Aloha Gardens	0.123	<b>0.110</b>	Y	GW	0.352	0.000	0.008	0.454	7,933	57	0.000	0.000	0.000	57	0.000	0.000	57
11863	Pasco Co Utilities	6.265	<b>1.865</b>	Y	GW	33.933	0.898	0.387	34.512	330,615	104	0.000	0.000	0.000	104	0.000	0.000	104
<b>Pasco County Totals</b>			<b>12.506</b>			<b>39.903</b>	<b>2.953</b>	<b>0.608</b>	<b>48.848</b>	<b>486,767</b>	<b>100</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>100</b>	<b>0.000</b>	<b>0.000</b>	<b>100</b>
<b>Pinellas County</b>																		
742	City of Tarpon Springs <sup>21</sup>	4.200	<b>3.891</b>	Y	GW/RO	0.005	0.047	1.232	2.617	28,932	90	0.000	0.000	0.000	90	0.000	0.000	90
2980	City of Dunedin	5.243	<b>4.534</b>	Y	GW/RO	0.000	0.000	0.883	3.651	45,791	80	0.000	0.000	0.000	80	0.000	0.000	80
2981	City of Clearwater	14.300	<b>6.872</b>	Y	GW/RO	4.963	0.000	0.594	11.241	144,112	78	0.000	0.000	0.000	78	0.000	0.000	78
7692	Town of Belleair	0.886	<b>0.852</b>	Y	GW	0.005	0.000	0.040	0.818	5,985	137	0.000	0.000	0.000	137	0.000	0.214	101
10795	City of Gulfport	Wholesale	<b>0.000</b>	Y	GW	0.897	0.000	0.000	0.897	14,897	60	0.000	0.000	0.000	60	0.000	0.000	60
11218	City of Oldsmar	2.606	<b>1.919</b>	Y	GW/RO	0.003	0.000	0.557	1.364	17,529	78	0.000	0.000	0.000	78	0.000	0.000	78
11245	City of Safety Harbor	Wholesale	<b>0.000</b>	Y	GW	1.325	0.000	0.000	1.325	15,778	84	0.000	0.000	0.000	84	0.000	0.000	84
12351	City Of Pinellas Park	Wholesale	<b>0.000</b>	Y	GW	4.843	0.000	0.000	4.843	66,254	73	0.000	0.000	0.000	73	0.000	0.000	73
20142	Pinellas County	Wholesale	<b>0.000</b>	Y	GW	49.698	10.883	0.427	38.388	516,659	74	0.000	0.000	0.000	74	0.000	0.000	74
20143	City of St Petersburg	Wholesale	<b>0.000</b>	Y	GW	26.970	0.898	0.744	25.328	350,725	72	0.000	0.000	0.000	72	0.000	0.000	72
<b>Pinellas County Totals</b>			<b>18.068</b>			<b>88.709</b>	<b>11.828</b>	<b>4.477</b>	<b>90.472</b>	<b>1,206,662</b>	<b>75</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>75</b>	<b>0.000</b>	<b>0.214</b>	<b>75</b>
<b>Polk County</b>																		
341	City of Bartow	7.900	<b>3.242</b>	Y	GW	0.000	0.000	0.190	3.052	26,951	113	0.000	0.000	0.000	113	0.000	2.486	21
645	City of Fort Meade	0.760	<b>0.586</b>	Y	GW	0.000	0.000	0.000	0.586	5,893	99	0.000	0.000	0.000	99	0.000	0.446	24
1625	Four Lakes Golf Club <sup>19</sup>	0.391	<b>0.413</b>	Y	GW	0.000	0.000	0.004	0.409	1,448	283	0.000	0.147	0.000	181	0.007	0.000	176
2332	Town of Lake Hamilton	0.381	<b>0.293</b>	Y	GW	0.000	0.000	0.003	0.290	1,968	147	0.008	0.000	0.000	143	0.000	0.000	143
4005	Crooked Lake Park	0.302	<b>0.219</b>	Y	GW	0.030	0.000	0.002	0.247	2,705	91	0.000	0.000	0.000	91	0.000	0.000	91
4607	City of Winter Haven	14.060	<b>10.616</b>	Y	GW	0.000	0.000	0.218	10.399	82,004	127	0.000	0.000	0.000	127	0.000	0.000	127
4658	City of Lake Wales <sup>19</sup>	3.903	<b>2.776</b>	Y	GW	0.000	0.030	0.028	2.718	25,316	107	0.000	0.000	0.000	107	0.000	0.000	107
4912	City of Lakeland <sup>20</sup>	35.030	<b>23.439</b>	Y	GW	0.000	0.609	0.053	22.777	185,394	123	0.000	0.000	0.000	123	0.000	8.000	80



## 2021 ESTIMATED WATER USE REPORT

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5251	Grenelefe Resort <sup>19</sup>	0.963	<b>1.018</b>	Y	GW	0.000	0.000	0.002	1.016	2,712	375	0.000	0.242	0.000	286	0.000	0.000	286
5750	City of Davenport	2.164	<b>2.030</b>	Y	GW	0.000	0.000	0.000	2.030	13,239	153	0.000	0.000	0.000	153	0.000	0.000	153
5868	Rainbow Resort	0.137	<b>0.119</b>	Y	GW	0.000	0.000	0.001	0.118	989	119	0.000	0.000	0.000	119	0.000	0.000	119
5870	City of Frostproof	0.639	<b>0.348</b>	Y	GW	0.000	0.000	0.002	0.346	3,954	88	0.067	0.000	0.000	71	0.000	0.000	71
5893	Town of Dundee	0.918	<b>0.813</b>	Y	GW	0.000	0.000	0.008	0.805	7,483	108	0.000	0.000	0.000	108	0.000	0.000	108
6124	City of Mulberry	0.807	<b>0.417</b>	Y	GW	0.000	0.000	0.001	0.417	4,855	86	0.000	0.000	0.000	86	0.000	0.000	86
6174	Saddlebag Lake	0.117	<b>0.125</b>	Y	GW	0.000	0.000	0.000	0.125	1,332	94	0.000	0.000	0.000	94	0.000	0.000	94
6505	Polk Co BOCC NWRUSA	5.700	<b>3.044</b>	Y	GW	0.172	0.000	0.033	3.183	34,205	93	0.000	0.000	0.000	93	0.000	0.000	93
6506	Polk Co BOCC SWRUSA	7.000	<b>3.802</b>	Y	GW	0.057	0.054	0.037	3.767	45,859	82	0.000	0.000	0.000	82	0.000	0.000	82
6507	Polk Co BOCC CRUSA	2.003	<b>1.310</b>	Y	GW	0.000	0.000	0.023	1.287	15,108	85	0.000	0.000	0.000	85	0.000	0.000	85
6508	Polk Co BOCC SERUSA	1.367	<b>0.617</b>	Y	GW	0.000	0.000	0.009	0.607	5,058	120	0.000	0.000	0.000	120	0.000	0.000	120
6509	Polk Co BOCC NERUSA	10.919	<b>7.528</b>	Y	GW	2.120	1.054	0.027	8.566	92,298	93	0.000	0.000	0.000	93	0.000	0.000	93
6624	City of Lake Alfred	1.303	<b>1.041</b>	Y	GW	0.000	0.000	0.000	1.041	8,752	119	0.000	0.000	0.000	119	0.000	0.000	119
6920	City of Eagle Lake	0.662	<b>0.405</b>	Y	GW	0.000	0.000	0.005	0.400	5,234	76	0.000	0.000	0.000	76	0.000	0.000	76
7119	City of Auburndale	7.036	<b>5.944</b>	Y	GW	0.000	0.000	0.001	5.944	33,324	178	1.001	0.000	0.000	148	0.000	0.244	141
7187	CHC VII Century Realty <sup>19</sup>	0.284	<b>0.264</b>	Y	GW	0.000	0.000	0.003	0.262	1,482	177	0.000	0.091	0.000	115	0.000	0.000	115
7328	Carefree RV of Winter Haven <sup>19</sup>	0.131	<b>0.148</b>	Y	GW	0.000	0.000	0.000	0.148	980	151	0.000	0.044	0.000	106	0.000	0.000	106
7878	Aqua Utilities Fl Inc	0.243	<b>0.142</b>	Y	GW	0.000	0.000	0.001	0.141	2,280	62	0.000	0.000	0.000	62	0.000	0.000	62
8054	Polk Co BOCC ERUSA	1.373	<b>0.496</b>	Y	GW	0.000	0.000	0.009	0.488	6,659	73	0.000	0.000	0.000	73	0.000	0.000	73
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>0.432</b>	Y	GW	0.000	0.000	0.041	0.391	7,758	50	0.000	0.000	0.000	50	0.000	0.000	50
8522	City of Haines City	5.921	<b>6.071</b>	Y	GW	0.000	0.000	0.068	6.004	44,258	136	0.125	0.000	0.000	133	0.000	0.310	126
8967	Sweetwater Community Inc <sup>19</sup>	0.141	<b>0.138</b>	Y	GW	0.000	0.000	0.000	0.138	698	197	0.000	0.038	0.000	142	0.000	0.012	125
10141	Polk Co BOCC Jordans Grove	0.257	<b>0.000</b>	Y	GW	0.037	0.000	0.000	0.037	379	96	0.000	0.000	0.000	96	0.000	0.000	96
12800	Jordan's Grove, LLC	0.158	<b>0.000</b>	Y	GW	0.111	0.000	0.000	0.111	2,235	50	0.000	0.000	0.000	50	0.000	0.000	50
13043	Cypress Lakes Utilities Inc.	0.294	<b>0.208</b>	Y	GW	0.000	0.000	0.003	0.205	3,005	68	0.000	0.000	0.000	68	0.000	0.080	41
<b>Polk County Totals</b>			<b>78.188</b>			<b>2.527</b>	<b>1.748</b>	<b>0.773</b>	<b>78.193</b>	<b>677,194</b>	<b>115</b>	<b>1.202</b>	<b>0.563</b>	<b>0.000</b>	<b>113</b>	<b>0.007</b>	<b>11.578</b>	<b>96</b>

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## 2021 ESTIMATED WATER USE REPORT

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<b>Sarasota County</b>																		
2923	City of North Port	7.100	<b>1.205</b>	Y	SW/ GW/RO	2.547	0.039	0.245	3.469	58,702	59	0.000	0.000	0.000	59	0.000	0.000	59
4318, 10224, 10225	City of Sarasota	6.000, 6.000, 0.043	<b>8.418</b>	Y	GW/RO	0.000	0.000	1.545	6.873	84,144	82	0.000	0.000	0.000	82	0.000	0.000	82
4866	Englewood Water District	5.360	<b>4.235</b>	Y	GW/RO	0.000	0.129	1.209	2.898	38,260	76	0.000	0.000	0.000	76	0.000	0.000	76
5393	City of Venice	6.864	<b>4.502</b>	Y	GW/RO	0.000	0.000	2.193	2.309	37,657	61	0.000	0.000	0.000	61	0.000	0.000	61
5807	Camelot Communities Inc <sup>19</sup>	0.362	<b>0.311</b>	Y	GW/RO	0.000	0.000	0.000	0.311	1,829	170	0.000	0.000	0.000	170	0.142	0.000	92
7448	SNF Property (Sun-in-Fun) <sup>19</sup>	0.186	<b>0.120</b>	Y	GW/RO	0.000	0.000	0.012	0.108	1,339	81	0.000	0.000	0.000	81	0.000	0.000	81
8836	Sarasota County BOCC	13.737	<b>4.564</b>	Y	GW/RO	17.845	0.916	0.882	20.611	257,733	80	0.000	0.000	0.000	80	0.000	0.000	80
<b>Sarasota County Total</b>			<b>23.355</b>			<b>20.392</b>	<b>1.084</b>	<b>6.085</b>	<b>36.579</b>	<b>479,664</b>	<b>76</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>76</b>	<b>0.142</b>	<b>0.000</b>	<b>76</b>
<b>Sumter County</b>																		
1368	Lake Panasoffkee Assoc	0.410	<b>0.280</b>	Y	GW	0.000	0.000	0.000	0.280	4,466	63	0.000	0.000	0.000	63	0.000	0.000	63
6519	City Of Bushnell	1.367	<b>0.437</b>	Y	GW	0.000	0.000	0.004	0.434	3,903	111	0.000	0.000	0.000	111	0.000	0.000	111
7185	City Of Webster	0.103	<b>0.088</b>	Y	GW	0.000	0.000	0.001	0.088	1,010	87	0.000	0.000	0.000	87	0.000	0.000	87
8135	City Of Wildwood	4.345	<b>2.482</b>	Y	GW	0.000	0.000	0.025	2.457	16,399	150	0.000	0.000	0.000	150	0.000	0.000	150
8193	City Of Center Hill <sup>19</sup>	0.171	<b>0.071</b>	Y	GW	0.000	0.000	0.001	0.070	1,163	60	0.000	0.000	0.000	60	0.000	0.000	60
12584	Orange Blossom Utilities	0.136	<b>0.044</b>	Y	GW	0.000	0.000	0.001	0.043	222	194	0.000	0.000	0.000	194	0.000	0.000	194
13005	The Villages CDD <sup>19,22</sup>	19.346	<b>21.948</b>	Y	GW/SW	0.000	0.000	0.206	21.742	91,775	237	0.211	1.319	0.000	220	8.456	2.339	103
20597	City of Wildwood - CCC	0.238	<b>0.135</b>	Y	GW	0.000	0.000	0.003	0.131	1,595	82	0.000	0.000	0.000	82	0.000	0.000	82
20721	South Sumter Utility Co.	2.600	<b>0.909</b>	Y	GW	0.000	0.000	0.009	0.900	15,966	56	0.000	0.000	0.000	56	0.000	0.000	56
<b>Sumter County Total</b>			<b>26.395</b>			<b>0.000</b>	<b>0.000</b>	<b>0.250</b>	<b>26.145</b>	<b>136,499</b>	<b>192</b>	<b>0.211</b>	<b>1.319</b>	<b>0.000</b>	<b>180</b>	<b>8.456</b>	<b>2.339</b>	<b>101</b>
<b>Northern Planning Region</b>			<b>74.883</b>			<b>0.423</b>	<b>0.490</b>	<b>0.979</b>	<b>73.838</b>	<b>498,642</b>	<b>148</b>	<b>0.211</b>	<b>1.319</b>	<b>0.000</b>	<b>145</b>	<b>8.456</b>	<b>3.010</b>	<b>122</b>
<b>Tampa Bay Planning Region</b>			<b>122.578</b>			<b>203.233</b>	<b>16.507</b>	<b>9.370</b>	<b>299.933</b>	<b>3,176,645</b>	<b>94</b>	<b>1.140</b>	<b>0.000</b>	<b>0.000</b>	<b>94</b>	<b>0.149</b>	<b>3.308</b>	<b>93</b>
<b>Southern Planning Region</b>			<b>116.733</b>			<b>38.855</b>	<b>39.479</b>	<b>13.074</b>	<b>103.035</b>	<b>1,198,098</b>	<b>86</b>	<b>2.747</b>	<b>0.000</b>	<b>0.000</b>	<b>84</b>	<b>0.142</b>	<b>2.615</b>	<b>81</b>
<b>Heartland Planning Region</b>			<b>87.706</b>			<b>2.527</b>	<b>1.748</b>	<b>1.015</b>	<b>87.470</b>	<b>775,555</b>	<b>113</b>	<b>1.202</b>	<b>0.563</b>	<b>0.000</b>	<b>111</b>	<b>0.007</b>	<b>11.578</b>	<b>96</b>
<b>District Totals<sup>19</sup></b>			<b>401.900</b>			<b>245.037</b>	<b>58.223</b>	<b>24.439</b>	<b>564.276</b>	<b>5,648,940</b>	<b>100</b>	<b>5.300</b>	<b>1.882</b>	<b>0.000</b>	<b>99</b>	<b>8.754</b>	<b>20.511</b>	<b>93</b>

## 2021 ESTIMATED WATER USE REPORT

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

	No. WUPs		No. WUPs		No. WUPs		No WUPs
PSAR Received	129	Unadjusted Gross PC ≤ 150:	113	Adjusted Gross PC ≤ 150:	118	Compliance PC ≤ 150:	122
PSAR Not Received	1	Unadjusted Gross PC > 150:	16	Adjusted Gross PC > 150:	11	Compliance PC > 150:	7
Wholesale WUPS with PSAR	1	Total	129	Total	129	Total	129

**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 withdrawal 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 required but not received, "N" is noted in this column and the District's data and demographics 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, not quantified in table, in ASR or offstream reservoirs). The Gross Use is the water distributed to utility customers.
- 9 POPULATION SERVED = permanent population + adjusted seasonal population + tourist (optional) + net commuters (optional). Information on functional population methodology is available in the District's Water Use Permit Information Manual, Part D: [http://www.swfwmd.state.fl.us/files/database/site\\_file\\_sets/14/wup\\_part\\_d.pdf](http://www.swfwmd.state.fl.us/files/database/site_file_sets/14/wup_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 and reported as withdrawals (WD) in the Annual Report. The golf course deduction quantities shall not exceed those actually 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 of lower water quality but is 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.

## **2021 ESTIMATED WATER USE REPORT**

<sup>17</sup> 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**

<sup>18</sup> Regional Water Supply Exporter.

<sup>19</sup> The PSAR reported withdrawal totals for some permittees with multi-use permit quantities contain water that was categorized as landscape/recreation or industrial/commercial in other chapters of the EWU Report. To avoid double-counting, the EWU Report Table 1 contains deductions in the countywide public supply withdrawals. This causes some discrepancies with Table A-1.

<sup>20</sup> The City of Lakeland (WUP 4912) and the City of Tampa (WUP 2062) provided "water year" (Oct-Sept) data on their PSARs. Table A-1 retains their reported data, but WMIS-based calendar year data was substituted for EWU Report table 1. Their calendar year withdrawals were 23.855 mgd at Lakeland and 81.226 at Tampa.

<sup>21</sup> The City of Tarpon Springs (WUP 742) is in Pinellas County but has 3 of its 26 supply wells just over the border in Pasco County. The Pasco wells withdrew 0.598 mgd, or 15% of the City's withdrawal total. The EWU Report Table 1 county withdrawal totals include this adjustment.

<sup>22</sup> The Villages CDD withdrawal quantity shown (21.948 mgd) includes surface water withdrawals from stormwater ponds, an alternative supply which was reported for the PSAR to balance their gross use and water losses. The Villages CDD groundwater withdrawal was 11.442 mgd and was within their permitted allocation of 19.346 mgd.

Please note that data in these tables may not exactly match what was reported in the PSARs 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. Further, the Estimated Water Use process includes scaling and fractioning of withdrawal point and use data.

## 2021 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, 2021**

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
Charlotte	10726	JDI Farms	P100	S	0.000	0.402	0.001
<b>Charlotte County Totals</b>					<b>0</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.011</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.011</b>	<b>Total, mgd</b>	
Citrus	729	Citrus County Water Resources	P130	G	0.062	0.088	0.088
Citrus	1345	Royal Oaks of Citrus HOA Inc	P130	G	0.060	0.085	0.085
<b>Citrus County Totals</b>					<b>0.122</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.230</b>	<b>Estimated, mgd, 12 WUPs</b>	
					<b>0.352</b>	<b>Total, mgd</b>	
DeSoto	8935	V C Hollingsworth Sr. Estate	P100	G	0.001	0.131	0.001
<b>DeSoto County Totals</b>					<b>0.001</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.054</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.055</b>	<b>Total, mgd</b>	
Hardee	1912	V & W Farms Inc of Delray Beach	P135	G	0	1.298	0.002
<b>Hardee County Totals</b>					<b>0</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.031</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.031</b>	<b>Total, mgd</b>	
<b>Hernando County Totals</b>		<b>There were no Non-PSAR Metered WUPS in Hernando County</b>			<b>0</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.084</b>	<b>Estimated, mgd, 5 WUPs</b>	
					<b>0.084</b>	<b>Total, mgd</b>	
Highlands	9490	LP Waterworks, Inc	P130	G	0.035	0.096	0.096
Highlands	9490	Wayne Rickert	P131	G	0.076	0.119	0.119
Highlands	9490	Wayne Rickert	P131	S	0.000	0.119	0.119
<b>Highlands County Totals</b>					<b>0.111</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.082</b>	<b>Estimated, mgd, 8 WUPs</b>	
					<b>0.193</b>	<b>Total, mgd</b>	

## 2021 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, 2021**

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	Hillsborough County School Board	P100	G	0.058	0.150	0.083
Hillsborough	4352	Tampa Bay Water, South Central Wellfield	P105	G	24.392	24.100	24.100
Hillsborough	4421	Jack P. and Meribeth J. Sizemore	P100	G	0.001	0.613	0.002
Hillsborough	4757	Wilder Mobile Homes, Inc.	P131	G	0.044	0.065	0.065
Hillsborough	5886	Tampa Bay Water	P105	G	0.001	0.820	0.820
Hillsborough	6480	Betty Astin, Trustee	P135	G	0.004	0.164	0.008
Hillsborough	6480	Betty Astin, Trustee	P135	S	0.001	0.164	0.008
Hillsborough	6675	Tampa Bay Water, Harney Pump Station	P105	S	5.597	20.000	20.000
Hillsborough	8342	Loop Farms, LLC	P100	G	0.004	0.498	0.009
Hillsborough	8342	Loop Farms, LLC	P100	S	0.000	0.498	0.009
Hillsborough	8563	The T.G. and Laverne Robinson Fam.	P130	G	0.000	0.087	0.040
Hillsborough	10066	Florida Acecapaders, Inc.	P070	G	0.005	0.029	0.022
Hillsborough	11732	Tampa Bay Water, Brandon Urban Wellfield	P112	G	5.826	6.000	6.000
Hillsborough	11771	Tampa Bay Water, Consolidated Wellfield (County Portion)	P105	G	37.675	90.000	90.000
Hillsborough	11794	Tampa Bay Water, Alafia River	P105	S	17.548	18.700	18.700
Hillsborough	11796	Tampa Bay Water, Bypass Canal	P105	S	49.073	85.000	85.000
Hillsborough	NA	Tampa Bay Water, Seawater Desalination	NA	Sea	5.180	NA	NA
Hillsborough	12957	NHC-FL8 LP	P131	G	0.021	0.321	0.060
<b>Hillsborough County Totals</b>					<b>145.430</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.514</b>	<b>Estimated, mgd, 32 WUPs</b>	
					<b>145.944</b>	<b>Total, mgd</b>	
<b>Lake County Totals</b>					<b>0</b>	<b>Metered, Non-PSAR, mgd</b>	
<b>There were no Public Supply WUPS in Lake County</b>					<b>0</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>0</b>	<b>Total, mgd</b>	
Levy	7755	Town of Yankeetown	P130	G	0.084	0.099	0.099
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## 2021 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, 2021**

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>
<b>Levy County Totals</b>					<b>0.084</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>0.084</b>	<b>Total, mgd</b>	
Manatee	503	DFM Properties, LLC	P131	G	0	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	0.004	2.791	0.012
Manatee	11105	WFA Land Company, Inc	P100	G	0.011	3.011	0.019
<b>Manatee County Totals</b>					<b>0.017</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.003</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.020</b>	<b>Total, mgd</b>	
Marion	5731	MHC Foxwood Farms, LLC	P131	G	0.068	0.085	0.085
Marion	6792	Sun Communities Operating LP	P131	G	0.078	0.083	0.083
Marion	8005	GCP Fairfield Village, LLC	P131	G	0.051	0.072	0.072
<b>Marion County Totals</b>					<b>0.197</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.144</b>	<b>Estimated, mgd, 10 WUPs</b>	
					<b>0.341</b>	<b>Total, mgd</b>	
Pasco	540	Holiday Gardens Utilities, LLC	P130	G	0.053	0.080	0.080
Pasco	543	Crestridge Utilities, LLC	P130	G	0.069	0.070	0.070
Pasco	9666	Heiler Family Limited Partnership	P131	G	0.056	0.061	0.061
Pasco	11131	Tampa Bay Water (Triangle Lake Augmentation)	P020	G	0.003	0.084	0.084
Pasco	11132	Tampa Bay Water (Monsees Pond Augmentation)	P020	G	0.049	0.200	0.200
Pasco	11771	Tampa Bay Water, Consolidated Wellfield (County Portion)	P105	G	40.021	90.000	90.000
<b>Pasco County Totals</b>					<b>40.251</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>1.084</b>	<b>Estimated, mgd, 31 WUPs</b>	
					<b>41.335</b>	<b>Total, mgd</b>	

## 2021 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, 2021**

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>
Pinellas	10350	Utilities Inc, Lake Tarpon	P130	G	0.034	0.084	0.084
Pinellas	11771	Tampa Bay Water, Consolidated Wellfield (County Portion)	P105	G	6.645	90.000	90.000
Pinellas	12905	City of St. Petersburg	P080	G	0.000	0.070	0.070
<b>Pinellas County Totals</b>					<b>6.679</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.067</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>6.746</b>	<b>Total, mgd</b>	
Polk	143	Mountain Lake Corp	P130	G	0.061	3.294	0.091
Polk	1616	Lake Region Mobile Home Owners, Inc	P131	G	0.089	0.108	0.108
Polk	3415	Orchid Springs Development Corp	P130	G	0.067	0.095	0.095
Polk	6314	Twin Fountains Club Inc	P130	G	0.042	0.063	0.063
Polk	8536	Woodland Lakes MHC	P130	G	0.031	0.050	0.050
Polk	8753	GCP Plantation Landings, LLC	P130	G	0.053	0.070	0.057
Polk	10575	Surterra Lakeland, LLC	P050	G	0.000	0.070	0.013
Polk	12217	Winter Haven Associates	P131	G	0.052	0.050	0.050
<b>Polk County Totals</b>					<b>0.395</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.948</b>	<b>Estimated, mgd, 46 WUPs</b>	
					<b>1.343</b>	<b>Total, mgd</b>	
Sarasota	12926	PRMRWSA Operational Flexibility	P105	G	0	7.251	7.251
Sarasota	12926	PRMRWSA Operational Flexibility	P105	S	0	7.251	7.251
<b>Sarasota County Totals</b>					<b>0</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>0.077</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.077</b>	<b>Total, mgd</b>	
Sumter	6793	Rainforest RV, Inc	P130	G	0.017	0.224	0.032
Sumter	13123	Loan Portfolio Solutions, LLC	P131	G	0.033	0.114	0.061

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## 2021 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, 2021**

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>
<b>Sumter County Totals</b>					<b>0.050</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>1.478</b>	<b>Estimated, mgd, 7 WUPs</b>	
					<b>1.528</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>193.337</b>	<b>Metered, Non-PSAR, mgd</b>	
					<b>4.807</b>	<b>Estimated, mgd, 166 WUPs</b>	
					<b>198.144</b>	<b>Public Supply Total (mgd) for non-PSAR WUPs</b>	

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

**Notes:**

For 2021, this table's sum is much larger than prior years because Tampa Bay Water's WUPs are now included.

- <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.

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.

## 2021 ESTIMATED WATER USE REPORT

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

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

**Table A-2. 2021 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	1.072	78.9	15.9	0.0	0.0	0.0	1.6	3.6	0.846	6,254	135	0.171	0.000	0.000	0.000	0.017	0.038
Charlotte	871	City of Punta Gorda	Y	5.553	72.4	11.3	0.0	5.0	0.0	1.8	9.6	4.018	40,211	100	0.628	0.000	0.278	0.000	0.097	0.532
Charlotte	1512	Charlotte Harbor Water	Y	0.406	66.4	18.4	0.0	0.0	0.0	3.4	11.8	0.270	4,576	59	0.075	0.000	0.000	0.000	0.014	0.048
Charlotte	3522	Charlotte Co Utilities	Y	0.476	66.6	6.8	0.0	0.4	0.0	1.7	24.5	0.317	7,383	43	0.032	0.000	0.002	0.000	0.008	0.117
Charlotte	7104	Charlotte Co Utilities	Y	11.196	70.3	11.4	0.0	1.1	0.0	0.4	16.8	7.876	141,173	56	1.278	0.000	0.120	0.000	0.045	1.876
<b>Charlotte County Totals</b>				<b>18.702</b>	<b>71.3</b>	<b>11.7</b>	<b>0.0</b>	<b>2.1</b>	<b>0.0</b>	<b>1.0</b>	<b>14.0</b>	<b>13.327</b>	<b>199,597</b>	<b>67</b>	<b>2.184</b>	<b>0.000</b>	<b>0.400</b>	<b>0.000</b>	<b>0.182</b>	<b>2.610</b>
Citrus	207	City of Crystal River	Y	0.687	38.0	32.0	0.0	0.0	0.0	0.0	30.0	0.261	5,698	46	0.220	0.000	0.000	0.000	0.000	0.206
Citrus	419	City of Inverness	Y	1.143	50.2	39.9	0.0	0.0	0.0	0.1	9.9	0.573	9,166	63	0.456	0.000	0.000	0.000	0.001	0.114
Citrus	1118	Floral City Water	Y	0.304	87.6	6.4	0.0	1.6	0.0	1.8	2.6	0.266	5,196	51	0.019	0.000	0.005	0.000	0.006	0.008
Citrus	2842	Citrus County	Y	2.573	79.1	1.5	0.0	0.0	0.0	2.3	17.1	2.034	21,150	96	0.040	0.000	0.000	0.000	0.060	0.439
Citrus	4153	Rolling Oaks Utilities	Y	1.481	73.1	7.0	0.0	0.0	0.0	5.7	14.1	1.083	11,856	91	0.104	0.000	0.000	0.000	0.085	0.209
Citrus	4406	Homosassa Water Dist	Y	0.798	50.5	30.9	0.0	0.0	0.0	0.0	18.6	0.404	5,829	69	0.247	0.000	0.000	0.000	0.000	0.148
Citrus	6691	Gulf Highway Land Corp	Y	0.061	92.6	0.0	0.0	0.0	0.0	0.0	7.4	0.057	589	97	0.000	0.000	0.000	0.000	0.000	0.005
Citrus	7121	Citrus Co & WRWSA	Y	4.245	68.0	21.6	0.0	0.0	0.2	6.7	3.5	2.887	28,550	101	0.919	0.000	0.000	0.007	0.283	0.149
Citrus	9097	Tarawood Utilities	Y	0.008	68.9	0.0	0.0	0.0	0.0	15.1	16.0	0.005	161	34	0.000	0.000	0.000	0.000	0.001	0.001
Citrus	9791	Citrus County	Y	2.140	59.3	5.9	0.0	0.0	0.0	6.1	28.7	1.269	14,405	88	0.126	0.000	0.000	0.000	0.131	0.614
Citrus	11839	GCP Walden Woods	Y	0.173	73.5	0.0	0.0	1.4	0.0	0.0	25.1	0.127	1,021	124	0.000	0.000	0.002	0.000	0.000	0.043

## 2021 ESTIMATED WATER USE REPORT

**Table A-2. 2021 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)
Citrus	20230	Ozello Water Assoc	Y	0.398	52.2	26.0	9.3	0.0	0.0	1.3	11.3	0.208	4,739	44	0.104	0.037	0.000	0.000	0.005	0.045
<b>Citrus County Totals</b>				<b>14.010</b>	<b>65.5</b>	<b>15.9</b>	<b>0.3</b>	<b>0.1</b>	<b>0.1</b>	<b>4.1</b>	<b>14.1</b>	<b>9.175</b>	<b>108,360</b>	<b>85</b>	<b>2.232</b>	<b>0.037</b>	<b>0.007</b>	<b>0.007</b>	<b>0.571</b>	<b>1.981</b>
Desoto	4725	City Of Arcadia	Y	0.765	68.2	29.5	0.0	0.0	0.0	0.0	2.3	0.522	12,113	43	0.226	0.000	0.000	0.000	0.000	0.017
Desoto	20457	DeSoto County Utilities	Y	0.491	41.9	16.1	0.0	0.0	0.0	3.2	38.8	0.205	6,188	33	0.079	0.000	0.000	0.000	0.016	0.190
<b>Desoto County Totals</b>				<b>1.256</b>	<b>57.9</b>	<b>24.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.2</b>	<b>16.5</b>	<b>0.727</b>	<b>18,301</b>	<b>40</b>	<b>0.305</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.016</b>	<b>0.208</b>
Hardee	30	City of Bowling Green	Y	0.244	69.8	13.7	0.0	0.9	0.0	0.8	14.8	0.171	4,658	37	0.034	0.000	0.002	0.000	0.002	0.036
Hardee	4461	City of Wauchula	Y	0.644	57.3	36.7	0.0	1.5	0.0	2.2	2.3	0.369	6,776	54	0.236	0.000	0.010	0.000	0.014	0.015
Hardee	7658	Town of Zolfo Springs	Y	0.144	62.1	26.3	0.0	0.0	0.0	1.8	9.7	0.089	2,505	36	0.038	0.000	0.000	0.000	0.003	0.014
Hardee	13026	Hardee County BOCC	Y	0.201	80.1	14.3	0.0	1.9	0.0	0.2	3.4	0.161	3,038	53	0.029	0.000	0.004	0.000	0.000	0.007
<b>Hardee County Totals</b>				<b>1.233</b>	<b>64.1</b>	<b>27.3</b>	<b>0.0</b>	<b>1.3</b>	<b>0.0</b>	<b>1.6</b>	<b>5.8</b>	<b>0.790</b>	<b>16,977</b>	<b>47</b>	<b>0.337</b>	<b>0.000</b>	<b>0.016</b>	<b>0.000</b>	<b>0.019</b>	<b>0.072</b>
Hernando	5789	Hernando Co Utilities Dept	Y	19.846	73.8	8.1	0.0	1.6	0.0	6.7	9.7	14.653	151,827	97	1.611	0.000	0.320	0.000	1.334	1.928
Hernando	7627	City Of Brooksville	Y	1.319	65.7	31.9	0.0	0.0	0.0	0.0	2.3	0.867	17,232	50	0.421	0.000	0.000	0.000	0.001	0.031
<b>Hernando County Totals</b>				<b>21.165</b>	<b>73.3</b>	<b>9.6</b>	<b>0.0</b>	<b>1.5</b>	<b>0.0</b>	<b>6.3</b>	<b>9.3</b>	<b>15.520</b>	<b>169,059</b>	<b>92</b>	<b>2.032</b>	<b>0.000</b>	<b>0.320</b>	<b>0.000</b>	<b>1.335</b>	<b>1.959</b>
Highlands	4167	HC Waterworks	Y	0.099	71.0	8.9	0.0	0.0	0.0	3.7	16.3	0.070	1,404	50	0.009	0.000	0.000	0.000	0.004	0.016
Highlands	4492	City of Sebring	Y	3.896	68.0	18.2	0.0	0.0	0.0	6.2	7.6	2.650	35,743	74	0.709	0.000	0.000	0.000	0.240	0.297
Highlands	4980	Lake Placid Hold Co	Y	0.433	56.5	2.2	0.0	0.0	0.0	32.2	9.1	0.245	4,670	52	0.010	0.000	0.000	0.000	0.140	0.039
Highlands	5270	Town of Lake Placid	Y	0.639	56.4	28.0	0.0	3.9	0.0	2.4	9.2	0.361	7,170	50	0.179	0.000	0.025	0.000	0.015	0.059
Highlands	6029	City of Avon Park	Y	2.094	67.8	17.6	0.0	0.0	0.0	8.8	5.8	1.420	22,789	62	0.369	0.000	0.000	0.000	0.184	0.121
Highlands	7139	Buttonwood Bay Utilities	Y	0.171	61.9	3.6	0.0	6.2	0.0	13.0	15.4	0.106	1,631	65	0.006	0.000	0.011	0.000	0.022	0.026
Highlands	13099	Sun N Lake Of Sebring	Y	0.710	59.3	33.4	0.0	2.7	1.9	1.9	0.8	0.421	7,977	53	0.237	0.000	0.019	0.014	0.014	0.006
<b>Highlands County Totals</b>				<b>8.043</b>	<b>65.6</b>	<b>18.9</b>	<b>0.0</b>	<b>0.7</b>	<b>0.2</b>	<b>7.7</b>	<b>7.0</b>	<b>5.273</b>	<b>81,384</b>	<b>65</b>	<b>1.519</b>	<b>0.000</b>	<b>0.055</b>	<b>0.014</b>	<b>0.619</b>	<b>0.564</b>
Hillsborough	450	City of Temple Terrace	Y	3.837	64.5	19.6	0.0	0.0	0.0	0.0	15.8	2.477	30,825	80	0.754	0.000	0.000	0.000	0.001	0.606
Hillsborough	1776	City of Plant City	Y	6.320	46.8	38.5	0.0	1.1	0.0	8.0	5.7	2.958	42,056	70	2.432	0.000	0.068	0.000	0.504	0.358
Hillsborough	2062	City of Tampa	Y	75.805	57.6	28.8	0.0	1.2	0.0	0.2	12.2	43.682	714,114	61	21.836	0.000	0.874	0.000	0.153	9.260
Hillsborough	2285	Davpam MHC	Y	0.164	99.0	0.0	0.0	0.0	0.0	0.0	1.0	0.162	1,313	124	0.000	0.000	0.000	0.000	0.000	0.002

## 2021 ESTIMATED WATER USE REPORT

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Hillsborough	6879	The Meadows MHC	Y	0.208	99.0	0.0	0.0	0.0	0.0	0.5	0.5	0.206	2,124	97	0.000	0.000	0.000	0.000	0.001	0.001
Hillsborough	7637	Riverside Golf Course	Y	0.319	101.0	0.0	0.0	0.0	0.0	0.0	-0.9	0.322	1,315	245	0.000	0.000	0.000	0.000	0.000	-0.003
Hillsborough	7790	Paradise Village MHC	Y	0.140	91.9	0.0	0.0	0.0	0.0	0.0	8.1	0.129	2,225	58	0.000	0.000	0.000	0.000	0.000	0.011
Hillsborough	10443	Windemere Utility Co	Y	0.263	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.263	2,774	95	0.000	0.000	0.000	0.000	0.000	0.000
Hillsborough	20141	Hillsborough County	Y	73.557	79.0	10.5	0.0	0.0	0.0	0.0	10.5	58.075	686,470	85	7.756	0.000	0.000	0.000	0.000	7.725
<b>Hillsborough County Totals</b>				<b>160.614</b>	<b>67.4</b>	<b>20.4</b>	<b>0.0</b>	<b>0.6</b>	<b>0.0</b>	<b>0.4</b>	<b>11.2</b>	<b>108.274</b>	<b>1,483,216</b>	<b>73</b>	<b>32.778</b>	<b>0.000</b>	<b>0.942</b>	<b>0.000</b>	<b>0.659</b>	<b>17.960</b>
<b>There was no significant public supply use in the SWFWMD portion of Lake County</b>																				
Levy	5640	City Of Williston	Y	0.524	40.6	32.1	0.0	0.0	0.0	2.4	24.9	0.213	4,923	43	0.168	0.000	0.000	0.000	0.013	0.131
Levy	8953	Town Of Inglis	Y	0.133	59.6	12.9	0.0	0.0	0.0	1.4	26.1	0.079	1,633	49	0.017	0.000	0.000	0.000	0.002	0.035
<b>Levy County Totals</b>				<b>0.657</b>	<b>44.5</b>	<b>28.2</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>2.2</b>	<b>25.2</b>	<b>0.292</b>	<b>6,556</b>	<b>45</b>	<b>0.185</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.014</b>	<b>0.165</b>
Manatee	6392	City of Bradenton	N	6.159	68.8	18.9	0.0	0.0	0.0	0.9	11.3	4.240	75,307	56	1.164	0.000	0.000	0.000	0.057	0.699
Manatee	10963	Town of Longboat Key	Y	1.887	83.4	5.8	0.0	0.0	0.0	1.3	9.5	1.574	18,356	86	0.110	0.000	0.000	0.000	0.024	0.180
Manatee	12443	City of Palmetto	Y	1.368	59.2	22.8	0.0	0.0	0.0	0.2	17.7	0.810	18,620	44	0.312	0.000	0.000	0.000	0.003	0.242
Manatee	13343, 7345	Manatee County Utilities	Y	36.986	68.1	23.7	0.0	0.0	0.0	1.0	7.2	25.191	388,253	65	8.773	0.000	0.000	0.000	0.368	2.655
<b>Manatee County Totals</b>				<b>46.400</b>	<b>68.6</b>	<b>22.3</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>1.0</b>	<b>8.1</b>	<b>31.814</b>	<b>500,536</b>	<b>64</b>	<b>10.358</b>	<b>0.000</b>	<b>0.000</b>	<b>0.000</b>	<b>0.452</b>	<b>3.776</b>
Marion	1156	Bay Laurel Com Dev District	Y	3.510	87.4	5.0	0.0	2.9	0.0	1.8	2.9	3.069	16,516	186	0.175	0.000	0.101	0.000	0.064	0.101
Marion	2999	Marion Utilities Inc	Y	0.095	80.4	4.0	0.0	0.0	0.0	3.5	12.1	0.076	1,134	67	0.004	0.000	0.000	0.000	0.003	0.011
Marion	5643	Utilities Inc of FL	Y	0.131	84.5	1.9	0.0	1.7	0.0	1.9	10.0	0.111	1,014	109	0.003	0.000	0.002	0.000	0.002	0.013
Marion	6151	Marion Co Utilities Dept	Y	5.701	79.7	9.7	0.0	0.0	0.0	0.4	10.1	4.544	43,070	106	0.555	0.000	0.000	0.000	0.024	0.578
Marion	7849	Marion Utilities Inc	Y	0.103	101.8	3.5	0.0	0.0	0.0	0.4	-5.8	0.105	1,148	91	0.004	0.000	0.000	0.000	0.000	-0.006
Marion	8020	Marion Landing	Y	0.129	82.5	0.0	0.0	5.0	0.0	2.6	10.0	0.106	1,127	94	0.000	0.000	0.006	0.000	0.003	0.013
Marion	8339	City of Dunnellon	Y	1.267	30.1	6.1	0.0	0.0	0.0	2.3	61.5	0.382	6,704	57	0.078	0.000	0.000	0.000	0.029	0.779
Marion	8481	Spruce Creek Dev	Y	0.924	89.5	0.4	0.0	0.0	0.0	0.5	9.6	0.826	7,455	111	0.004	0.000	0.000	0.000	0.005	0.089
<b>Marion County Totals</b>				<b>11.860</b>	<b>77.7</b>	<b>6.9</b>	<b>0.0</b>	<b>0.9</b>	<b>0.0</b>	<b>1.1</b>	<b>13.3</b>	<b>9.220</b>	<b>78,168</b>	<b>118</b>	<b>0.822</b>	<b>0.000</b>	<b>0.110</b>	<b>0.000</b>	<b>0.131</b>	<b>1.578</b>
Pasco	279	Aqua Utilities FL Inc	Y	0.326	64.3	2.6	0.0	0.0	0.0	0.0	33.1	0.210	4,105	51	0.008	0.000	0.000	0.000	0.000	0.108
Pasco	590	Mad Hatter Utility	Y	0.807	72.8	21.1	0.0	0.0	0.0	0.3	5.8	0.587	8,385	70	0.170	0.000	0.000	0.000	0.003	0.047

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Pasco	1631	City of Dade City	Y	1.663	67.9	18.1	0.0	0.0	0.0	0.0	14.0	1.129	13,231	85	0.302	0.000	0.000	0.000	0.000	0.232
Pasco	2978	FGUA Gulf Harbor	Y	0.716	69.7	18.2	0.0	0.0	0.0	3.1	9.0	0.499	5,489	91	0.130	0.000	0.000	0.000	0.022	0.064
Pasco	3182	FGUA Seven Springs	Y	2.619	76.7	11.2	0.0	0.0	0.0	0.6	11.4	2.009	31,872	63	0.295	0.000	0.000	0.000	0.016	0.299
Pasco	3590	Utilities Inc of FL	Y	0.248	72.7	7.5	0.0	0.0	0.0	0.0	19.8	0.181	3,646	50	0.019	0.000	0.000	0.000	0.000	0.049
Pasco	3692	City of Port Richey	Y	0.755	43.7	22.6	0.0	0.0	0.0	1.7	31.9	0.331	7,626	43	0.171	0.000	0.000	0.000	0.013	0.241
Pasco	4550	City of San Antonio	Y	0.168	72.1	10.0	0.0	2.4	0.0	3.6	11.9	0.121	2,503	48	0.017	0.000	0.004	0.000	0.006	0.020
Pasco	4669	Hudson Water Works	Y	0.691	64.2	17.2	0.0	0.0	0.0	11.2	7.4	0.444	7,169	62	0.119	0.000	0.000	0.000	0.078	0.051
Pasco	4734	City of New Port Richey	Y	3.350	50.6	14.5	0.0	0.0	0.0	1.1	33.7	1.697	33,039	51	0.485	0.000	0.000	0.000	0.038	1.130
Pasco	6040	City of Zephyrhills	Y	2.406	59.2	26.3	0.0	7.0	0.0	1.0	6.5	1.425	29,117	49	0.633	0.000	0.168	0.000	0.024	0.157
Pasco	7999	FGUA Angus Valley	Y	0.134	87.1	0.1	0.0	0.0	0.0	2.9	9.9	0.116	2,037	57	0.000	0.000	0.000	0.000	0.004	0.013
Pasco	8417	FGUA Aloha Gardens	Y	0.454	73.6	16.0	0.0	0.0	0.0	0.4	9.9	0.334	7,933	42	0.073	0.000	0.000	0.000	0.002	0.045
Pasco	11863	Pasco Co Utilities	Y	34.512	73.9	11.3	0.0	3.7	0.0	0.0	11.0	25.509	330,615	77	3.908	0.000	1.285	0.000	0.002	3.808
<b>Pasco County Totals</b>				<b>48.848</b>	<b>70.8</b>	<b>13.0</b>	<b>0.0</b>	<b>3.0</b>	<b>0.0</b>	<b>0.4</b>	<b>12.8</b>	<b>34.590</b>	<b>486,767</b>	<b>71</b>	<b>6.329</b>	<b>0.000</b>	<b>1.457</b>	<b>0.000</b>	<b>0.207</b>	<b>6.266</b>
Pinellas	742	City of Tarpon Springs	Y	2.617	67.0	21.6	0.0	4.1	0.0	0.7	6.6	1.753	28,932	61	0.566	0.000	0.108	0.000	0.018	0.173
Pinellas	2980	City of Dunedin	Y	3.651	67.6	15.0	0.0	1.1	0.0	2.8	13.5	2.468	45,791	54	0.546	0.000	0.039	0.000	0.104	0.494
Pinellas	2981	City of Clearwater	Y	11.241	62.9	27.6	0.0	0.0	0.0	2.7	6.7	7.073	144,112	49	3.104	0.000	0.000	0.000	0.309	0.755
Pinellas	7692	Town of Belleair	Y	0.818	89.9	9.1	0.0	0.0	0.0	0.0	1.0	0.735	5,985	123	0.075	0.000	0.000	0.000	0.000	0.008
Pinellas	10795	City of Gulfport	Y	0.897	79.4	11.7	0.0	0.0	0.0	1.0	7.9	0.712	14,897	48	0.105	0.000	0.000	0.000	0.009	0.071
Pinellas	11218	City of Oldsmar	Y	1.364	66.5	28.5	0.0	0.0	0.0	1.0	4.1	0.907	17,529	52	0.389	0.000	0.000	0.000	0.013	0.055
Pinellas	11245	City of Safety Harbor	Y	1.325	94.8	4.9	0.0	0.0	0.0	0.2	0.0	1.256	15,778	80	0.065	0.000	0.000	0.000	0.003	0.000
Pinellas	12351	City of Pinellas Park	Y	4.843	70.4	26.2	0.0	0.0	0.0	0.7	2.7	3.410	66,254	51	1.269	0.000	0.000	0.000	0.035	0.129
Pinellas	20142	Pinellas County	Y	38.388	65.7	26.2	0.0	0.0	0.0	0.5	7.6	25.214	516,659	49	10.055	0.000	0.000	0.000	0.192	2.926
Pinellas	20143	City of St Petersburg	Y	25.328	65.9	23.4	0.0	0.4	0.0	0.0	10.4	16.687	350,725	48	5.917	0.000	0.091	0.000	0.000	2.633
<b>Pinellas County Totals</b>				<b>90.472</b>	<b>66.6</b>	<b>24.4</b>	<b>0.0</b>	<b>0.3</b>	<b>0.0</b>	<b>0.8</b>	<b>8.0</b>	<b>60.214</b>	<b>1,206,662</b>	<b>50</b>	<b>22.092</b>	<b>0.000</b>	<b>0.238</b>	<b>0.000</b>	<b>0.683</b>	<b>7.245</b>
Polk	341	City of Bartow	Y	3.052	61.1	25.5	0.0	3.4	0.0	0.2	9.8	1.865	26,951	69	0.777	0.000	0.104	0.000	0.008	0.299
Polk	645	City of Fort Meade	Y	0.586	66.5	22.0	0.0	0.0	0.0	1.8	9.7	0.390	5,893	66	0.129	0.000	0.000	0.000	0.011	0.057
Polk	1625	Four Lakes Golf Club	Y	0.409	46.4	0.0	0.0	1.7	50.4	0.0	1.5	0.190	1,448	131	0.000	0.000	0.007	0.206	0.000	0.006

## 2021 ESTIMATED WATER USE REPORT

**Table A-2. 2021 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	2332	Town of Lake Hamilton	Y	0.290	34.9	8.0	0.0	0.0	0.0	0.0	57.1	0.101	1,968	51	0.023	0.000	0.000	0.000	0.000	0.165
Polk	4005	Crooked Lake Park Water Company	Y	0.247	69.8	17.0	0.0	0.0	0.0	2.9	10.3	0.173	2,705	64	0.042	0.000	0.000	0.000	0.007	0.026
Polk	4607	City of Winter Haven	Y	10.399	66.3	19.3	0.0	6.8	0.0	1.1	6.5	6.896	82,004	84	2.005	0.000	0.709	0.000	0.113	0.677
Polk	4658	City of Lake Wales	Y	2.718	65.4	15.7	0.0	3.1	0.0	2.4	13.4	1.778	25,316	70	0.428	0.000	0.083	0.000	0.065	0.364
Polk	4912	City of Lakeland Water Utilities	Y	22.777	64.1	24.7	0.0	1.8	0.0	0.7	8.7	14.596	185,394	79	5.619	0.000	0.419	0.000	0.162	1.981
Polk	5251	Grenelefe Resort LLC	Y	1.016	44.0	0.5	0.0	0.1	46.6	0.0	8.7	0.448	2,712	165	0.006	0.000	0.001	0.474	0.000	0.088
Polk	5750	City of Davenport	Y	2.030	81.1	1.7	0.0	0.7	0.0	14.0	2.5	1.646	13,239	124	0.035	0.000	0.014	0.000	0.285	0.051
Polk	5868	Rainbow Resort	Y	0.118	96.1	0.0	0.0	3.9	0.0	0.0	0.0	0.114	989	115	0.000	0.000	0.005	0.000	0.000	0.000
Polk	5870	City of Frostproof	Y	0.346	66.9	28.5	0.0	3.4	0.0	1.1	0.1	0.232	3,954	59	0.099	0.000	0.012	0.000	0.004	0.000
Polk	5893	Town of Dundee Public Works Dept	Y	0.805	80.4	11.4	0.0	1.3	0.0	0.9	6.1	0.647	7,483	87	0.092	0.000	0.010	0.000	0.007	0.049
Polk	6124	City of Mulberry	Y	0.417	59.1	35.1	0.0	0.0	0.0	1.4	4.4	0.246	4,855	51	0.146	0.000	0.000	0.000	0.006	0.018
Polk	6174	Saddlebag Lake Owners Assoc Inc.	Y	0.125	96.5	0.0	0.0	0.0	0.0	0.0	3.5	0.120	1,332	90	0.000	0.000	0.000	0.000	0.000	0.004
Polk	6505	Polk Co BOCC Util Div	Y	3.183	85.0	5.3	0.0	0.5	0.0	1.1	8.1	2.706	34,205	79	0.169	0.000	0.015	0.000	0.035	0.259
Polk	6506	Polk Co BOCC Util Div	Y	3.767	91.4	2.7	0.0	0.4	0.0	0.2	5.3	3.443	45,859	75	0.101	0.000	0.014	0.000	0.009	0.201
Polk	6507	Polk Co BOCC Util Div	Y	1.287	79.6	7.2	0.0	1.2	0.0	0.8	11.2	1.025	15,108	68	0.093	0.000	0.015	0.000	0.010	0.144
Polk	6508	Polk Co BOCC Util Div	Y	0.607	37.8	60.1	0.0	0.4	0.0	0.4	1.4	0.229	5,058	45	0.365	0.000	0.002	0.000	0.002	0.008
Polk	6509	Polk Co BOCC Util Div	Y	8.566	86.2	7.9	0.0	0.6	0.0	0.1	5.2	7.382	92,298	80	0.677	0.000	0.048	0.000	0.011	0.448
Polk	6624	City of Lake Alfred	Y	1.041	76.5	10.1	0.0	0.2	0.0	0.1	13.1	0.797	8,752	91	0.105	0.000	0.002	0.000	0.001	0.137
Polk	6920	City of Eagle Lake	Y	0.400	91.4	6.4	0.0	0.6	0.0	0.3	1.2	0.366	5,234	70	0.026	0.000	0.003	0.000	0.001	0.005
Polk	7119	City of Auburndale	Y	5.944	55.6	32.0	0.0	5.4	0.0	0.1	6.9	3.308	33,324	99	1.900	0.000	0.321	0.000	0.006	0.410
Polk	7187	Chc Vii Ltd Century Realty Fund	Y	0.262	52.1	0.0	0.0	1.3	42.5	0.4	3.8	0.136	1,482	92	0.000	0.000	0.003	0.111	0.001	0.010
Polk	7328	Carefree RV CC of Winter Haven Inc	Y	0.148	60.1	0.0	0.0	0.0	39.9	0.0	0.0	0.089	980	91	0.000	0.000	0.000	0.059	0.000	0.000
Polk	7878	Florida Gov Utility Authority	Y	0.141	84.4	3.8	0.0	0.0	0.0	1.8	10.0	0.119	2,280	52	0.005	0.000	0.000	0.000	0.003	0.014
Polk	8054	Polk Co BOCC Util Div	Y	0.488	71.7	2.0	0.0	0.0	0.0	0.7	25.6	0.350	6,659	53	0.010	0.000	0.000	0.000	0.003	0.125
Polk	8344	S V Utilities Ltd	Y	0.139	75.4	0.0	0.0	4.0	0.0	6.1	14.5	0.105	1,379	76	0.000	0.000	0.006	0.000	0.008	0.020

## 2021 ESTIMATED WATER USE REPORT

**Table A-2. 2021 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	0.391	90.0	10.7	0.0	0.0	0.0	0.2	-0.8	0.352	7,758	45	0.042	0.000	0.000	0.000	0.001	-0.003
Polk	8522	City of Haines City	Y	6.004	63.7	24.9	0.0	0.0	0.0	0.1	11.3	3.822	44,258	86	1.497	0.000	0.000	0.000	0.007	0.678
Polk	8967	Sweetwater Community Inc	Y	0.138	63.3	0.0	0.0	0.0	36.7	0.0	0.0	0.087	698	125	0.000	0.000	0.000	0.051	0.000	0.000
Polk	10141	Polk Co BOCC Util Div Ovation Facility	Y	0.037	63.4	36.6	0.0	0.0	0.0	0.0	0.0	0.023	379	61	0.013	0.000	0.000	0.000	0.000	0.000
Polk	12800	Jordan's Grove, LLC	Y	0.111	93.5	6.0	0.0	0.5	0.0	0.0	0.0	0.104	2,235	47	0.007	0.000	0.001	0.000	0.000	0.000
Polk	13043	Cypress Lakes Utilities Inc	Y	0.205	86.0	0.0	0.0	0.7	0.0	0.0	13.3	0.176	3,005	59	0.000	0.000	0.001	0.000	0.000	0.027
<b>Polk County Totals</b>				<b>78.193</b>	<b>69.1</b>	<b>18.4</b>	<b>0.0</b>	<b>2.3</b>	<b>1.2</b>	<b>1.0</b>	<b>8.0</b>	<b>54.058</b>	<b>677,194</b>	<b>80</b>	<b>14.408</b>	<b>0.000</b>	<b>1.793</b>	<b>0.901</b>	<b>0.764</b>	<b>6.269</b>
Sarasota	2923	City of North Port	Y	3.469	67.1	11.9	0.0	0.0	0.0	2.1	18.9	2.327	58,702	40	0.413	0.000	0.000	0.000	0.073	0.655
Sarasota	4318	City of Sarasota Public Works	Y	6.873	57.7	29.1	0.0	0.1	0.0	2.9	10.2	3.964	84,144	47	2.000	0.000	0.010	0.000	0.199	0.701
Sarasota	4866	Englewood Water District	Y	2.898	71.0	12.1	0.0	0.4	0.0	0.4	16.0	2.058	38,260	54	0.352	0.000	0.013	0.000	0.010	0.465
Sarasota	5393	City of Venice	Y	2.309	72.6	25.7	0.0	4.9	0.0	1.9	-5.1	1.677	37,657	45	0.594	0.000	0.113	0.000	0.044	-0.119
Sarasota	5807	Camelot Communities MHP LLC	Y	0.311	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.311	1,829	170	0.000	0.000	0.000	0.000	0.000	0.000
Sarasota	7448	SNF Property LLC	Y	0.108	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.108	1,339	81	0.000	0.000	0.000	0.000	0.000	0.000
Sarasota	8836	Sarasota Co BOCC	Y	20.611	73.2	17.0	0.0	0.0	0.0	0.0	9.9	15.083	257,733	59	3.494	0.000	0.000	0.000	0.000	2.033
<b>Sarasota County Totals</b>				<b>36.579</b>	<b>69.8</b>	<b>18.7</b>	<b>0.0</b>	<b>0.4</b>	<b>0.0</b>	<b>0.9</b>	<b>10.2</b>	<b>25.528</b>	<b>479,664</b>	<b>53</b>	<b>6.853</b>	<b>0.000</b>	<b>0.135</b>	<b>0.000</b>	<b>0.327</b>	<b>3.735</b>
Sumter	1368	Lake Panasoffkee Water Assoc Inc	Y	0.280	81.5	16.1	0.0	0.0	0.0	0.0	2.4	0.228	4,466	51	0.045	0.000	0.000	0.000	0.000	0.007
Sumter	6519	City of Bushnell	Y	0.434	49.2	44.0	0.0	0.0	0.0	1.4	5.5	0.213	3,903	55	0.191	0.000	0.000	0.000	0.006	0.024
Sumter	7185	City of Webster	Y	0.088	49.0	44.7	0.0	0.0	0.0	4.5	1.8	0.043	1,010	43	0.039	0.000	0.000	0.000	0.004	0.002
Sumter	8135	City of Wildwood	Y	2.457	34.7	51.1	0.0	0.0	0.0	0.4	13.8	0.853	16,399	52	1.255	0.000	0.000	0.000	0.009	0.340
Sumter	8193	City of Center Hill	Y	0.070	74.1	5.7	0.0	0.0	0.0	10.8	9.4	0.052	1,163	44	0.004	0.000	0.000	0.000	0.008	0.007
Sumter	12584	Orange Blossom Utilities	Y	0.043	43.8	21.9	0.0	4.4	0.0	20.4	9.5	0.019	222	na	0.009	0.000	0.002	0.000	0.009	0.004
Sumter	13005	Village Center CDD	Y	21.742	83.3	3.6	0.0	10.6	0.0	1.1	1.4	18.120	91,775	197	0.790	0.000	2.306	0.000	0.230	0.297
Sumter	20597	Wildwood CCC	Y	0.131	65.5	11.4	0.0	0.0	0.0	1.5	21.6	0.086	1,595	54	0.015	0.000	0.000	0.000	0.002	0.028
Sumter	20721	South Sumter Util Co	Y	0.900	67.0	7.0	0.0	0.0	0.0	8.5	17.5	0.603	15,966	38	0.063	0.000	0.000	0.000	0.076	0.158
<b>Sumter County totals</b>				<b>26.145</b>	<b>77.3</b>	<b>9.2</b>	<b>0.0</b>	<b>8.8</b>	<b>0.0</b>	<b>1.3</b>	<b>3.3</b>	<b>20.217</b>	<b>136,499</b>	<b>148</b>	<b>2.411</b>	<b>0.000</b>	<b>2.308</b>	<b>0.000</b>	<b>0.343</b>	<b>0.866</b>

## 2021 ESTIMATED WATER USE REPORT

**Table A-2. 2021 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>				73.838	73.7	10.4	0.0	3.7	0.0	3.2	8.9	54.423	498,642	109	7.683	0.037	2.745	0.007	2.394	6.549
<b>Tampa Bay Planning Region</b>				299.933	67.7	20.4	0.0	0.9	0.0	0.5	10.5	203.078	3,176,645	64	61.199	0.000	2.636	0.000	1.549	31.471
<b>Southern Planning Region</b>				102.937	69.4	19.1	0.0	0.5	0.0	0.9	10.0	71.396	1,198,098	60	19.701	0.000	0.535	0.000	0.976	10.329
<b>Heartland Planning Region</b>				87.470	68.7	18.6	0.0	2.1	1.0	1.6	7.9	60.121	775,555	78	16.264	0.000	1.863	0.915	1.402	6.904
<b>District Totals &amp; Averages</b>				564.178	69.0	18.6	0.0	1.4	0.2	1.1	9.8	389.019	5,648,940	69	104.846	0.037	7.779	0.922	6.322	55.253

**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. This is because not all of the permittees are listed in Table A-2, either they have never submitted Part B of the PSAR form, or they only export water wholesale to other public supply utilities.

- 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 only.
- 3 Percent of water supplied that is used for industrial/commercial purposes only.
- 4 Percent of water supplied that is used for agricultural purposes only.
- 5 Percent of water supplied that is used for landscape/recreation purposes only.
- 6 Percent of water supplied that is used for golf course irrigation only.
- 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 water use) / (population served). This number represents the average quantity of water used per person per day for residential purposes only.
- 12 I/C Use (Industrial/Commercial Water Use) = (Gross Use) X (% I/C). This number represents the amount of Public Supply water that is used for Industrial/Commercial purposes only.
- 13 AG Use (Agriculture Use) = (Gross Use) X (% AG). This number represents the amount of Public Supply water that is used for Agriculture purposes only.
- 14 L/R Use (Landscape/Recreation Use) = (Gross Use) X (% REC/AES). This number represents the amount of Public Supply water that is used for Recreational purposes only.
- 15 GC Use (Golf Course Use) = (Gross Use) X (% GC). This number represents the amount of Public Supply water that is used for Golf Course purposes only.
- 16 F & O Use (Fire and Other) = (Gross Use) X (% F&O). This number represents the amount of Public Supply Water that is used for Fire Supply and Other purposes only.
- 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.



## 2021 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. 2021 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	0.003	Charlotte	7104	Charlotte County Utilities	0.003
Charlotte	871	City of Punta Gorda	1.394	DeSoto	10420	PRMRWSA	1.393
Charlotte	7104	Charlotte County Utilities	0.000	Sarasota	2923	City of North Port	0.014
Charlotte	7104	Charlotte County Utilities	11.581	DeSoto	10420	PRMRWSA	11.629
Charlotte	99913	El Jobean Water Association	0.075	Charlotte	7104	Charlotte County Utilities	0.075
Charlotte	99916	Riverwood Development, Inc.	0.159	Charlotte	7104	Charlotte County Utilities	0.159
Charlotte	NA	Little Gasparilla Water Utilities Inc	0.000	Charlotte	7104	Charlotte County Utilities	0.000
Charlotte	NA	Encore Super Park	0.035	Charlotte	7104	Charlotte County Utilities	0.035
<b>Total Charlotte County Imports:</b>			<b>13.247</b>	<b>Total Exports to/within Charlotte County</b>			<b>13.308</b>
Citrus	NA	Citrus County - Spring Gardens	0.017	Citrus	4406	Homosassa Special Water District	0.017
Citrus	NA	Citrus County - Meadows	0.026	Citrus	4406	Homosassa Special Water District	0.026
Citrus	207	City of Crystal River	0.023	Citrus	7121	Citrus County & Withlacoochee Regional Water Supply Authority	0.023
Citrus	NA	Forest Hills	0.018	Citrus	7121	Citrus County & Withlacoochee Regional Water Supply Authority	0.018
Citrus	20230	Ozello Water Association, Inc.	0.400	Citrus	7121	Citrus County & Withlacoochee Regional Water Supply Authority	0.405
<b>Total Citrus County Imports:</b>			<b>0.485</b>	<b>Total Exports within Citrus County</b>			<b>0.489</b>
DeSoto	10420	PRMRWSA	1.647	Charlotte	871	City of Punta Gorda	1.652
DeSoto	20457	DeSoto County Utilities	0.660	DeSoto	10420	PRMRWSA	0.668
DeSoto	4725	City of Arcadia	0.158	DeSoto	20457	DeSoto County Utilities	0.160
<b>Total Desoto County Imports:</b>			<b>2.465</b>	<b>Total Exports to/within Desoto County</b>			<b>2.479</b>
Hillsborough	1776	City of Plant City	0.268	Polk	4912	City of Lakeland	0.308
Hillsborough	20141	Hillsborough County Wholesale	0.093	Hillsborough	1776	City of Plant City	0.081
Hillsborough	20141	Hillsborough County Wholesale	1.863	Hillsborough	2062	City of Tampa	1.567

## 2021 ESTIMATED WATER USE REPORT

**Table A-3. 2021 PSAR Utility Permit-to-Permit Water Transfers**

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Hillsborough	20141	Hillsborough County Wholesale	72.340	Hillsborough	Multiple	Tampa Bay Water	72.360
Hillsborough	20141	Hillsborough County Wholesale	0.004	Hillsborough	450	City of Temple Terrace	0.000
Hillsborough	2062	City of Tampa	0.053	Hillsborough	Multiple	Tampa Bay Water	0.000
<b>Total Hillsborough County Imports:</b>			<b>74.621</b>	<b>Total Exports to/within Hillsborough County</b>			<b>74.317</b>
Levy	7755	Town of Yankeetown	0.001	Levy	8953	Town of Inglis	0.001
<b>Total Levy County Imports:</b>			<b>0.001</b>	<b>Total Exports within Levy County</b>			<b>0.001</b>
Manatee	6392	City of Bradenton	0.260	Manatee	13343	Manatee County Utilities	0.260
Manatee	10963	Town of Longboat Key	1.911	Manatee	13343	Manatee County Utilities	1.911
Manatee	12443	City of Palmetto	1.391	Manatee	13343	Manatee County Utilities	1.383
Manatee	13343	Manatee County Utilities	0.000	Manatee	12443	City of Palmetto	0.009
Manatee	13343	Manatee County Utilities	1.150	Manatee	7345	Mosaic LLC & Manatee County Utilities	1.150
<b>Total Manatee County Imports:</b>			<b>4.712</b>	<b>Total Exports within Manatee County</b>			<b>4.713</b>
Pasco	2978	FGUA Gulf Harbor (Lindrick)	0.017	Pasco	4734	City of New Port Richey	0.017
Pasco	3182	FGUA Seven Springs	0.403	Pasco	11863	Pasco County Utilities	0.404
Pasco	NA	FGUA Colonial Manor	0.085	Pasco	11863	Pasco County Utilities	0.085
Pasco	3692	City of Port Richey	0.032	Pasco	4734	City of New Port Richey	0.029
Pasco	4734	City of New Port Richey	5.167	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	5.167
Pasco	6223	Paradise Lakes Utilities	0.007	Pasco	11863	Pasco County Utilities	0.007
Pasco	7745	FGUA-Virginia City	0.010	Pasco	11863	Pasco County Utilities	0.010
Pasco	8417	FGUA Aloha Gardens	0.352	Pasco	11863	Pasco County Utilities	0.352
Pasco	11473	Aripeka West Utility	0.007	Pasco	11863	Pasco County Utilities	0.007
Pasco	11863	Pasco County Utilities	33.915	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	33.910
Pasco	11863	Pasco County Utilities	0.017	Pasco	6040	City of Zephyrhills	0.017
Pasco	99906	Arbor Oaks	0.010	Pasco	11863	Pasco County Utilities	0.010
Pasco	999915	Orchid Lake Utility	0.024	Pasco	11863	Pasco County Utilities	0.024

## 2021 ESTIMATED WATER USE REPORT

**Table A-3. 2021 PSAR Utility Permit-to-Permit Water Transfers**

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	1.992	Pasco	4734	City of New Port Richey	1.992
<b>Total Pasco County Imports:</b>			<b>42.037</b>	<b>Total Exports to/within Pasco County</b>			<b>42.031</b>
Pinellas	742	City of Tarpon Springs	0.005	Pinellas	20142	Pinellas County Utilities	0.005
Pinellas	2981	City of Clearwater	4.963	Pinellas	20142	Pinellas County Utilities	4.912
Pinellas	7692	Town of Belleair	0.005	Pinellas	20142	Pinellas County Utilities	0.005
Pinellas	10795	City of Gulfport	0.897	Pinellas	20143	City of St. Petersburg	0.898
Pinellas	11218	City of Oldsmar	0.003	Pinellas	20142	Pinellas County Utilities	0.003
Pinellas	11245	City of Safety Harbor	1.325	Pinellas	20142	Pinellas County Utilities	1.144
Pinellas	12351	City of Pinellas Park	4.843	Pinellas	20142	Pinellas County Utilities	4.814
Pinellas	20142	Pinellas County Utilities	49.698	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	49.680
Pinellas	20143	City of St. Petersburg	26.970	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	26.940
Pinellas	NA	FGUA	0.047	Pinellas	742	City of Tarpon Springs	0.047
<b>Total Pinellas County Imports:</b>			<b>88.756</b>	<b>Total Exports to/within Pinellas County</b>			<b>88.448</b>
Polk	6624	City of Lake Alfred	0.000	Polk	4607	City of Winter Haven	0.000
Polk	6505	Polk County Utilities	0.172	Polk	4912	City of Lakeland	0.222
Polk	6506	Polk County Utilities	0.002	Polk	4912	City of Lakeland	0.000
Polk	6509	Polk County Utilities-NERUSA	0.000	Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.000
Polk	6509	Polk County Utilities-NERUSA	2.120	Polk	53-00126-W	Polk County Utilities (SFWMD)	2.120
Polk	10141	Ovation Utility Service Area	0.037	Polk	6509	Polk County Utilities-NERUSA	0.037
Polk	12800	Jordan's Grove Development	0.111	Polk	6509	Polk County Utilities-NERUSA	0.111
Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.000	Polk	6509	Polk County Utilities-NERUSA	0.000
Polk	7878	FGUA - Village Water Industrial Park	0.000	Polk	4912	City of Lakeland	0.078
Polk	7119	City of Auburndale	0.000	Polk	4912	City of Lakeland	0.000
Polk	4658	City of Lake Wales	0.000	Polk	8054	Polk Co BOCC	0.000
Polk	4005	City of Lake Wales - Crooked Lake Service Area	0.030	Polk	4658	City of Lake Wales	0.030

## 2021 ESTIMATED WATER USE REPORT

**Table A-3. 2021 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)
<b>Total Polk County Imports:</b>			<b>2.472</b>	<b>Total Exports to/within Polk County</b>			<b>2.598</b>
Sarasota	2923	City of North Port	2.444	DeSoto	10420	PRMRWSA	2.442
Sarasota	2923	City of North Port	0.080	Sarasota	8836/12926	Sarasota County Utilities	0.049
Sarasota	99914	Pluris/Southgate Utilities	0.916	Sarasota	8836/12926	Sarasota County Utilities	0.916
Sarasota	8836/12926	Sarasota County Utilities	3.883	Manatee	13343/7345	Manatee County Utilities	3.883
Sarasota	8836/12926	Sarasota County Utilities	14.011	DeSoto	10420	PRMRWSA	14.011
Sarasota	PWS-6084079	Bocilla Utilities	0.129	Sarasota	4866	Englewood Water District	0.129
<b>Total Sarasota County Imports:</b>			<b>21.464</b>	<b>Total Exports to/within Sarasota County</b>			<b>21.431</b>
<b>Total District Imports:</b>			<b>250.258</b>	<b>Total District Exports:</b>			<b>249.816</b>

Data Source: Public Supply Annual Reports.

Notes: Reporting discrepancies may occur between imports and exports of corresponding utilities. Discrepancies can be caused by transfer water losses, meter accuracy, unresolved reporting errors, or other reasons. Quantities exported by regional water supply authorities may be placed into storage and/or blended from multiple sources, therefore their withdrawals were considered imports to the generalized regional system, and exports from the regional system.

## 2021 ESTIMATED WATER USE REPORT

**Table A-4. 2021 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>	7.353	9.904	10.039	12.485	10.865	9.877	8.092	8.100	7.421	9.098	10.004	11.125
<b>Citrus</b>	13.052	12.843	15.457	15.749	19.013	14.890	13.528	13.521	12.958	14.992	14.154	14.357
<b>Desoto</b>	27.299	31.537	18.463	21.551	4.017	3.362	61.790	51.467	18.173	38.245	32.499	22.960
<b>Hardee</b>	1.071	1.417	1.265	1.163	1.565	1.157	1.154	1.210	1.180	1.272	1.295	1.385
<b>Hernando</b>	19.306	19.085	22.355	22.769	27.991	21.976	19.310	20.130	20.464	23.189	20.639	21.329
<b>*Highlands</b>	8.867	9.179	8.944	9.014	8.740	8.276	7.387	7.742	7.462	7.756	8.517	8.542
<b>Hillsborough</b>	214.561	215.972	212.791	199.431	207.940	207.175	362.550	261.217	207.143	247.564	247.876	213.789
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0.829	0.839	0.948	0.942	1.035	1.407	0.269	0.803	0.795	0.830	0.832	0.736
<b>Manatee</b>	54.042	51.574	55.122	55.270	60.193	53.935	52.694	52.780	49.193	53.704	52.555	54.829
<b>*Marion</b>	10.002	9.383	12.542	13.110	17.224	12.888	12.325	11.837	11.745	14.029	11.498	11.155
<b>Pasco</b>	50.834	50.346	60.045	51.932	65.229	51.176	51.899	49.913	58.891	52.452	50.894	51.721
<b>Pinellas</b>	21.988	21.778	19.682	20.249	27.313	27.021	27.366	26.764	30.298	26.005	17.468	28.176
<b>*Polk</b>	69.339	69.658	83.026	86.747	100.606	84.166	72.302	75.865	72.513	83.743	73.305	76.162
<b>Sarasota</b>	20.356	19.654	22.854	26.243	27.037	24.850	25.057	24.424	20.550	19.097	23.378	25.708
<b>Sumter</b>	14.470	13.793	17.744	18.288	33.647	19.170	13.615	12.945	12.724	15.554	14.208	16.085
<b>District Total</b>	533.369	536.962	561.277	554.943	612.415	541.326	729.338	618.718	531.510	607.530	579.122	558.059
<b>Groundwater</b>	321.426	326.014	371.256	372.708	456.576	363.669	345.651	348.663	358.001	359.118	324.809	354.137
<b>Surface Water</b>	211.943	210.948	190.021	182.235	155.839	177.657	383.687	270.055	173.509	248.412	254.313	203.922

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

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

The average of monthly withdrawal totals may vary from PSAR-based withdrawal estimates that are reported annually. The TBW Consolidated Wellfield (WUP 11771) point withdrawals are allocated in the county where they occurred. Seawater desalination and stormwater uses were excluded.

## **2021 ESTIMATED WATER USE REPORT**

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## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	0.117	1.201	0.178
Charlotte	3523	Twin Isles Country Club	R250	G	0.002	0.256	0.256
Charlotte	6709	Port Charlotte Golf Course, LLC	R250	S	0.000	0.060	0.060
Charlotte	7602	St. Andrews South Golf Club, Inc	R250	G	0.081	0.144	0.144
Charlotte	7815	Deep Creek Golf, Inc	R250	G	0.000	0.195	0.195
Charlotte	9223	Kingsgate Associates II, Ltd	R250	G	0.026	0.145	0.145
Charlotte	9798	Rotonda Golf Partners, LLC	R250	S	0.000	0.028	0.028
Charlotte	10006	Seminole Lakes Inc	R250	G	0.077	0.142	0.142
Charlotte	10169	CH3-Riverwood Golf Club LLC	R250	S	0.242	0.247	0.247
Charlotte	10932	Rotonda Golf Partners II LLC	R250	S	0.029	0.237	0.237
Charlotte	10959	Hall Family Ranch, LLC	R240	G	0.000	0.203	0.068
Charlotte	11687	Rotonda Golf Partners II LLC	R250	S	0.066	0.078	0.078
Charlotte	11688	Rotonda Golf Partners II LLC	R250	S	0.037	0.210	0.210
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	G	0.041	0.080	0.080
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	S	0.005	0.080	0.080
Charlotte	11997	Ccc Dr LLC	R250	S	0.016	0.184	0.184
Charlotte	12309	Charlotte County Community Services Department	R245	G	0.000	0.029	0.029
Charlotte	12335	Rotonda Golf Partners II LLC	R250	S	0.213	0.229	0.229
Charlotte	12543	Charlotte Co BOCC	R245	G	0.012	0.090	0.090
Charlotte	12586	Lennar Homes, LLC	R250	G	0.000	0.445	0.445
Charlotte	12586	Lennar Homes, LLC	R250	S	0.000	0.445	0.445
Charlotte	12907	River Club of Port Charlotte HOA	R240	G	0.112	0.114	0.114
Charlotte	20378	Waterford Est. Community Association, Inc	R240	G	0.116	0.127	0.127
Charlotte	20694	Lennar Homes, LLC	R240	G	0.000	0.057	0.057
<b>Charlotte County Totals</b>					<b>1.192</b>	<b>Metered, mgd</b>	
					<b>0.498</b>	<b>Estimated, mgd, 20 WUPs</b>	
					<b>1.690</b>	<b>Total, mgd</b>	

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	419	City of Inverness	R245	G	0.016	1.535	0.021
Citrus	3228	Hampton Hills, LLC	R250	G	0.470	0.610	0.610
Citrus	3673	Suntacc and Company, Inc.	R250	G	0.204	0.065	0.065
Citrus	7805	Hampton Hills, LLC	R250	G	0.592	1.148	1.148
Citrus	8785	Escalante-Black Diamond Golf Club LLC	R250	G	0.463	0.153	0.153
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	G	0.000	0.273	0.273
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	S	0.145	0.273	0.273
Citrus	8997	Inverness Golf & Country Club	R250	G	0.026	0.066	0.066
Citrus	9964	Shanti Golf, LLC	R250	G	0.168	0.224	0.224
Citrus	10404	Flovicc & Company, Inc.	R250	G	0.273	0.262	0.262
Citrus	13103	Deltona Corporation	R250	G	0.000	0.218	0.218
<b>Citrus County Totals</b>					<b>2.357</b>	<b>Metered, mgd</b>	
					<b>0.657</b>	<b>Estimated, mgd, 19 WUPs</b>	
					<b>3.014</b>	<b>Total, mgd</b>	
DeSoto	6697	Point Charlotte, LLC	R250	G	0.000	0.046	0.046
DeSoto	20747	City of Arcadia	R250	G	0.000	0.065	0.065
<b>DeSoto County Totals</b>					<b>0.000</b>	<b>Metered, mgd</b>	
					<b>0.133</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>0.133</b>	<b>Total, mgd</b>	
Hardee	12048	Vandolah Power Company, LLC	R240	G	0.000	0.212	0.000
<b>Hardee County Totals</b>					<b>0.000</b>	<b>Metered, mgd</b>	
					<b>0.116</b>	<b>Estimated, mgd, 12 WUPs</b>	
					<b>0.116</b>	<b>Total, mgd</b>	
Hernando	368	Golf & Country Club at the Heather, LLC	R250	G	0.061	0.060	0.060
Hernando	2982	Brookridge Country Club Assoc, Inc	R250	G	0.227	0.273	0.273
Hernando	3726	High Point Golf Club, Inc	R250	G	0.109	0.149	0.149
Hernando	4893	FDEP and SWFWMD	R310	G	0.031	0.136	0.136



## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	6873	BCC, LLC	R250	G	0.158	0.207	0.207
Hernando	8124	Oak Hills Golf Club, LLC	R250	G	0.003	0.201	0.201
Hernando	8639	Timber Pines Community Assoc, Inc	R250	G	0.032	0.059	0.059
Hernando	8833	New Seville 2011 Dev LLC	R250	G	0.000	0.338	0.338
Hernando	9344	ARC Glenlakes LLC	R250	G	0.236	0.260	0.260
Hernando	10199	Triple Eagle Group Inc	R250	G	0.277	0.305	0.305
Hernando	10760	Rivard Golf Club, LLC	R250	G	0.014	0.194	0.194
Hernando	11059	ARC Glenlakes LLC	R240	G	0.351	0.401	0.401
Hernando	12545	Southern Hills Irrigation Services LLC	R250	G	0.000	0.098	0.098
Hernando	13279	World Woods Corp	R250	G	0.698	0.735	0.735
<b>Hernando County Totals</b>					<b>2.197</b>	<b>Metered, mgd</b>	
					<b>1.020</b>	<b>Estimated, mgd, 27 WUPs</b>	
					<b>3.217</b>	<b>Total, mgd</b>	
Highlands	4637	Harder Hall Golf Club, LLC	R250	G	0.045	0.153	0.153
Highlands	4708	Sun'N Lake of Sebring Improvement District	R250	G	0.494	0.584	0.584
Highlands	5107	City of Sebring	R250	G	0.113	0.130	0.130
Highlands	5646	Pinecrest On Lotela Inc	R250	G	0.220	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	0.208	0.196	0.196
Highlands	7811	Mink Associates I LLC	R250	G	0.133	0.142	0.142
Highlands	8327	Laman Land Development LLC	R250	G	0.285	0.225	0.225
Highlands	9626	J & P Golf Properties LLC	R250	G	0.028	0.329	0.329
Highlands	12265	CC of Sebring, LLC	R250	G	0.196	0.224	0.224
Highlands	12265	CC of Sebring, LLC	R250	S	0.000	0.224	0.224
<b>Highlands County Totals</b>					<b>1.722</b>	<b>Metered, mgd</b>	
					<b>0.342</b>	<b>Estimated, mgd, 31 WUPs</b>	
					<b>2.064</b>	<b>Total, mgd</b>	

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	192	Gracepoint Plant City	R240	G	0.002	0.018	0.003
Hillsborough	254	301 Cypress Creek LLC	R240	G	0.040	0.044	0.044
Hillsborough	689	Hillsborough County School Board	R245	G	0.045	0.150	0.064
Hillsborough	1098	Garden of Memories, Inc	R230	G	0.282	0.506	0.506
Hillsborough	1640	Bahia Lakes CDD	R240	G	0.009	0.025	0.025
Hillsborough	1854	Panther Trails CDD	R240	G	0.002	0.005	0.005
Hillsborough	1946	Hillsborough County Associates II LLLP	R240	G	0.039	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	0.682	2.364	0.934
Hillsborough	1960	University of South Florida	R245	S	0.007	2.364	0.934
Hillsborough	2320	SeaWorld Parks & Ent LLC	R300	G	1.169	1.810	1.810
Hillsborough	2639	Concert Carrollwood LLC	R250	G	0.000	0.089	0.089
Hillsborough	3132	Ace Golf Inc.	R250	G	0.000	0.215	0.215
Hillsborough	3582	City of Temple Terrace	R250	G	0.101	0.256	0.256
Hillsborough	3745	NNP IV-Lake Hutto, LLC	R240	G	0.094	0.120	0.120
Hillsborough	4526	Hillsborough County Aviation Authority	R240	G	0.001	0.050	0.050
Hillsborough	4549	Lake Charles Improvement Association	R220	G	0.014	0.050	0.050
Hillsborough	4874	SICO, Inc.	R250	G	0.082	0.080	0.080
Hillsborough	6091	Caloosa Golf & Country Club Inc	R250	G	0.021	0.332	0.332
Hillsborough	6092	Clublink US Corporation	R250	G	1.071	1.240	1.240
Hillsborough	6092	Clublink US Corporation	R250	S	0.000	1.240	1.240
Hillsborough	6100	City Of Tampa	R250	G	0.131	0.181	0.179
Hillsborough	6101	Tampa Sports Authority & City of Tampa	R250	G	0.110	0.152	0.152
Hillsborough	6217	Palma Ceia Golf & Country Club, Inc	R250	G	0.211	0.231	0.223
Hillsborough	7002	MHC Featherrock, LLC	R240	G	0.000	0.008	0.008
Hillsborough	7774	Lake Carlton Arms, LLLP	R244	G	0.111	0.203	0.203
Hillsborough	7883	Tampa Palms Community Dev Dist	R244	G	0.164	0.313	0.313

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	8126	Brighton Golf Partners, LLC	R250	G	0.115	0.211	0.211
Hillsborough	8641	Old Memorial Club, Inc	R250	G	0.040	0.083	0.083
Hillsborough	8673	Belmont Real Estate LLC	R240	G	0.074	0.133	0.133
Hillsborough	8710	Hillsborough County School Board	R245	G	0.093	0.039	0.032
Hillsborough	8931	TC Venture 1, LLC	R240	G	0.097	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	0.007	0.066	0.066
Hillsborough	9137	RHC Master Association, Inc.	R250	G	0.000	0.200	0.200
Hillsborough	9487	Tampa Palms Club, Inc	R250	G	0.021	0.151	0.151
Hillsborough	9527	Cheval Golf Club LLC	R250	G	0.017	0.082	0.082
Hillsborough	10161	Lowry Park Zoological Society of Tampa, Inc.	R407	G	0.113	0.301	0.301
Hillsborough	10398	Rivercrest Community Development District	R240	G	0.084	0.115	0.115
Hillsborough	10516	Hillsborough County BOCC	R290	G	0.001	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	Robyn Smith	R220	G	0.026	0.060	0.060
Hillsborough	11157	Harbor Bay Community Development District	R240	G	0.066	0.090	0.090
Hillsborough	11194	HGC TPC Tampa Bay, LLC	R250	G	0.053	0.323	0.323
Hillsborough	11428	Hunter's Green Acquisition Corp	R250	G	0.038	0.324	0.324
Hillsborough	11429	Hunter's Green Community Association Inc	R240	G	0.012	0.274	0.274
Hillsborough	11540	Heritage Isles CDD	R250	G	0.123	0.253	0.253
Hillsborough	11830	Tampa Bay Downs, Inc	R300	G	0.037	0.156	0.156
Hillsborough	12024	City of Tampa	R250	G	0.176	0.323	0.323
Hillsborough	12957	NHC-FL8 LP	R250	G	0.092	0.321	0.261
Hillsborough	12967	Southshore Falls HOA, Inc	R240	G	0.149	0.172	0.172
Hillsborough	13356	South Shore Corporate Park Industrial CDD	R240	G	0.014	0.110	0.110

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	13356	South Shore Corporate Park Industrial CDD	R240	S	0.000	0.110	0.110
Hillsborough	20382	City of Tampa	R220	S	0.504	1.743	1.743
Hillsborough	20660	Sun City Center Community Association, Inc.	R244	G	0.000	0.022	0.022
Hillsborough	20662	Lennar Homes, LLC	R240	G	0.065	0.108	0.108
Hillsborough	20663	Sun City Center West Master Assoc., Inc.	R240	G	0.414	0.573	0.573
Hillsborough	20701	Hillsborough County Associates IV, LLLP	R240	G	0.203	0.183	0.183
Hillsborough	20705	Panther Trace I CDD	R240	G	0.043	0.056	0.056
Hillsborough	20706	Panther Trace I CDD	R240	G	0.033	0.056	0.056
Hillsborough	20911	Riverside Golf Course Comm LLC	R250	G	0.198	0.153	0.153
<b>Hillsborough County Totals</b>					<b>7.296</b>	<b>Metered, mgd</b>	
					<b>1.836</b>	<b>Estimated, mgd, 127 WUPs</b>	
					<b>9.132</b>	<b>Total, mgd</b>	
<b>Lake County Totals</b>		There were no landscape/recreation WUPs in Lake County					
<b>Levy County Totals</b>					<b>0.000</b>	<b>Metered, mgd</b>	
					<b>0.180</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>0.180</b>	<b>Total, mgd</b>	
Manatee	503	DFM Properties, LLC	R240	G	0.000	0.875	0.004
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	R240	G	0.252	0.459	0.216
Manatee	4443	Aquaterra Utilities, Inc	R240	G	0.538	0.600	0.600
Manatee	4507	Greenfield Golf LLC	R250	G	0.259	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	0.014	0.271	0.027
Manatee	5592	River Plantation HOA, Inc	R240	G	0.115	0.122	0.122
Manatee	5617	Medallion Home at Ft Hamer, LLC	R240	G	0.123	0.332	0.216
Manatee	5656	Waterlefe CDD	R250	G	0.075	0.262	0.262
Manatee	6293	Palm Aire Country Club	R250	G	0.221	0.399	0.399

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	6590	Copperstone Master Assoc, Copperstone Townhome HOA	R240	G	0.031	0.071	0.071
Manatee	7632	Cascades at Sarasota Res Assoc, Inc	R240	G	0.019	0.157	0.157
Manatee	7635	SFTEN, LLC	R240	G	0.036	0.090	0.090
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	4.484	18.238	17.919
Manatee	7846	Schroeder-Manatee Ranch Inc (Multi-County w Sarasota)	R240	S	0.000	18.238	17.919
Manatee	8012	Sara Bay Country Club, Inc	R250	G	0.000	0.152	0.152
Manatee	8012	Sara Bay Country Club, Inc	R250	S	0.210	0.152	0.152
Manatee	8508	Peridia Property Owners Assoc Inc	R250	G	0.071	0.118	0.118
Manatee	8965	River Club Golf, LLC	R250	G	0.225	0.200	0.200
Manatee	9379	Tara Golf and Country Club, Inc.	R250	G	0.101	0.217	0.217
Manatee	9379	Tara Golf and Country Club, Inc.	R250	S	0.000	0.217	0.217
Manatee	9808	University Park Community Association, Inc.	R250	G	0.371	0.920	0.920
Manatee	9808	University Park Community Association, Inc.	R250	S	0.237	0.920	0.920
Manatee	10450	The River Wilderness Club, Inc	R250	G	0.000	0.330	0.330
Manatee	10800	Florida Power & Light Company	R240	G	0.000	0.001	0.001
Manatee	11881	The Preserve Management, LLC	R250	G	0.158	0.258	0.258
Manatee	12290	Lakeridge Falls Community Association, Inc	R240	G	0.153	0.133	0.133
Manatee	12613	Lakewood Ranch Country Club-West Community Assoc, Inc	R240	G	0.137	0.174	0.174
Manatee	12630	The Concession Golf Club, LLC	R250	G	0.196	0.230	0.230
Manatee	12900	Minto Bradenton, LLC	R240	G	0.082	0.131	0.131
Manatee	13035	Oakleaf Hammock HOA, Inc	R240	G	0.128	0.227	0.227
Manatee	13281	GTIS I VGC, LP / Attn: John Ryan	R240	G	0.000	0.071	0.036
Manatee	13352	North Manatee Investment, LLC/Attn: James Schier	R240	G	0.000	0.446	0.137
Manatee	20088	IMG Academy, LLC	R240	G	0.000	0.072	0.072
Manatee	20269	Upper Manatee 288, LLC	R240	G	0.013	0.195	0.195
Manatee	20498	The Concession Community Association, Inc	R244	G	0.065	0.093	0.093

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	20884	Willow Hammock Community Association, Inc	R240	G	0.002	0.079	0.079
<b>Manatee County Totals</b>					<b>8.316</b>	<b>Metered, mgd</b>	
					<b>1.542</b>	<b>Estimated, mgd, 125 WUPs</b>	
					<b>9.858</b>	<b>Total, mgd</b>	
Marion	5642	Four Seasons Golf, LLC	R250	G	0.063	0.271	0.271
Marion	6674	RLR Investments, LLC	R250	G	0.116	0.265	0.265
Marion	7178	Development & Construction Corp Of America	R250	G	0.042	0.614	0.614
Marion	10266	Pulte Home Company, LLC	R250	G	0.264	0.382	0.382
Marion	10266	Pulte Home Company, LLC	R250	S	0.000	0.382	0.382
Marion	12843	Vikings, LLC	R250	G	0.266	0.304	0.304
Marion	12911	The Club at Ocala Preserve LLC	R250	G	0.102	0.223	0.150
Marion	12966	Stone Creek Community Assoc	R240	G	0.008	0.313	0.313
Marion	12993	Summerglen Owners' Assoc, Inc	R250	G	0.377	0.354	0.354
Marion	20120	Rainbow Springs Club, LLC	R250	G	0.000	0.193	0.193
Marion	20121	Rainbow's End Golf Club, Inc	R250	G	0.066	0.102	0.102
Marion	20173	Sidney Colen and Associates LTD	R250	G	0.340	0.522	0.522
<b>Marion County Totals</b>					<b>1.644</b>	<b>Metered, mgd</b>	
					<b>0.726</b>	<b>Estimated, mgd, 28 WUPs</b>	
					<b>2.370</b>	<b>Total, mgd</b>	
Pasco	347	Pasco Investment Land, LLC	R240	G	0.034	0.419	0.419
Pasco	2413	Pasco Ranch, Inc.	R240	G	0.000	0.026	0.013
Pasco	2479	Wiregrass Ranch Inc	R240	G	0.000	0.535	0.000
Pasco	3389	Ace Cheval, Inc	R250	G	0.015	0.077	0.077
Pasco	3389	Ace Cheval, Inc	R250	S	0.000	0.077	0.077
Pasco	6113	Saddlebrook Resorts, Inc	R250	G	0.277	0.613	0.613
Pasco	6113	Saddlebrook Resorts, Inc	R250	S	0.052	0.613	0.613
Pasco	6129	Florida Fish & Wildlife Conservation Commission	R407	G	0.000	0.269	0.269

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	7672	Pasco Golf Associates, Inc	R250	G	0.161	0.215	0.215
Pasco	7733	The Links Of Lake Bernadette, Inc	R250	G	0.120	0.201	0.201
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	G	0.173	0.219	0.219
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	S	0.183	0.219	0.219
Pasco	8892	Sun TRS Southport Springs LLC	R250	G	0.128	0.180	0.180
Pasco	10039	Fox Hollow Golf, LLC	R250	G	0.054	0.158	0.158
Pasco	10366	Seven Springs Golf & Country Club, Inc	R250	G	0.055	0.133	0.133
Pasco	10447	Goldenranch Property, LLC / Attn: John M. Ryan	R244	G	0.019	0.131	0.131
Pasco	10870	Betmar Acres Club, Inc.	R250	G	0.093	0.155	0.155
Pasco	11589	Golfvision 2 LLC	R250	G	0.011	0.183	0.183
Pasco	11650	Heritage Pines Community Assoc Inc	R250	G	0.042	0.067	0.067
Pasco	11773	Little Everglades Ranch Inc	R245	G	0.017	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	0.600	0.640	0.640
Pasco	11852	Hidden Creek North Community Development District	R240	G	0.002	0.017	0.017
Pasco	11898	Pasco County School Board	R240	G	0.052	0.094	0.094
Pasco	11913	Heritage Springs Comm Assoc, Inc	R250	G	0.039	0.250	0.250
Pasco	12346	La Hacienda Del Cielo LLC	R240	G	0.001	0.164	0.010
Pasco	12754	Waters Edge CDD District	R244	G	0.000	0.249	0.249
Pasco	12784	Order of Saint Benedict of Florida	R250	G	0.016	0.143	0.131
Pasco	13247	F & S Farm, LLC	R250	G	0.007	0.260	0.260
<b>Pasco County Totals</b>					<b>2.151</b>	<b>Metered, mgd</b>	
					<b>0.782</b>	<b>Estimated, mgd, 36 WUPs</b>	
					<b>2.933</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

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	708	Bellevue Biltmore Country Club	R250	G	0.023	0.100	0.100
Pinellas	708	Bellevue Biltmore Country Club	R250	S	0.000	0.100	0.100
Pinellas	1155	Salamander Innisbrook LLC	R240	G	0.006	0.174	0.174
Pinellas	2215	NorthStar Cemetery Services of Fl, LLC	R240	G	0.013	0.257	0.257
Pinellas	2731	City of Largo Golf Course	R250	G	0.025	0.045	0.045
Pinellas	3707	Bayou Golf, LLC	R250	G	0.549	0.512	0.512
Pinellas	5236	Florin Golf Investors, LLC	R250	S	0.000	0.038	0.038
Pinellas	6701	Cypress Run of Florida LLC	R250	G	0.200	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	Spirit Realty, L.P.	R250	G	0.000	1.300	1.300
Pinellas	7437	Spirit Realty, L.P.	R250	S	0.776	1.300	1.300
Pinellas	8959	Homeowners Assoc of Highland Lakes, Inc	R250	G	0.040	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	0.236	0.268	0.268
Pinellas	9551	Tropical Golf Properties, LLC	R250	G	0.036	0.135	0.135
Pinellas	9670	Ace Crescent Oaks, Inc	R250	G	0.267	0.345	0.345
Pinellas	10318	Homeowners of Palm Hill Inc.	R244	G	0.125	0.149	0.149
Pinellas	10646	Adelphia 4, LLC	R412	G	0.005	0.040	0.004
Pinellas	10732	Lansbrook Golf, LLC	R250	G	0.076	0.323	0.323
Pinellas	10882	Pinellas County	R245	S	0.005	0.034	0.034
Pinellas	11816	Clearwater Golf Assoc Inc	R250	G	0.075	0.152	0.152
Pinellas	20030	Premier Club Holdings, LLC	R250	S	0.079	0.257	0.257
<b>Pinellas County Totals</b>					<b>2.536</b>	<b>Metered, mgd</b>	
					<b>0.693</b>	<b>Estimated, mgd, 34 WUPs</b>	
					<b>3.229</b>	<b>Total, mgd</b>	
Polk	143	Mountain Lake Corp	R220	G	1.707	3.294	2.565



## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	1247	D Course Development, LLC	R250	G	0.248	0.255	0.255
Polk	1625	Four Lakes Golf Club Ltd	R250	G	0.149	0.391	0.147
Polk	3731	Five Star Family Growers, LLC	R240	G	0.062	0.072	0.072
Polk	3731	Five Star Family Growers, LLC	R240	S	0.000	0.072	0.072
Polk	4403	Huntington Hills Golf & Country Club, Inc	R250	G	0.229	0.267	0.267
Polk	4658	City of Lake Wales	R245	G	0.013	3.903	0.018
Polk	4698	Bok Tower Gardens Foundation Inc	R260	G	0.169	0.204	0.204
Polk	5251	Grenelefe Resort Utility, Inc	R250	G	0.512	0.963	0.486
Polk	5524	Highland Florida Golf Resort Land Trust	R250	G	0.000	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	0.297	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	0.083	0.284	0.091
Polk	7187	CHC VII LTD Century Realty Fund	R250	S	0.000	0.284	0.091
Polk	7328	Carefree RV Country Club Of Winter Haven Inc	R250	G	0.058	0.131	0.052
Polk	7489	Merlin Entertainment Group Florida LLC	R240	G	0.094	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	0.158	0.194	0.194
Polk	8466	Floral Lakes Homeowners Association, Inc	R210	G	0.000	0.041	0.041
Polk	8467	City of Lakeland	R250	G	0.201	0.227	0.227
Polk	8472	Cypress Lakes Associates LTD	R250	G	0.033	0.152	0.152
Polk	8553	John G. Wood & Associates Inc	R250	G	0.112	0.269	0.269
Polk	8565	Imperial Lakes Land Corp	R250	G	0.005	0.337	0.337
Polk	8967	Sweetwater Community Inc	R250	G	0.037	0.141	0.038
Polk	9007	Osprey Links Golf Course, LLC & Osprey Links, LLC	R250	G	0.073	0.131	0.131
Polk	9123	Carlton Arms Of Lakeland	R240	G	0.001	0.019	0.019

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	9234	City Of Bartow	R250	G	0.166	0.155	0.155
Polk	9961	Grasslands Golf & Country Club, Inc	R250	G	0.077	0.070	0.070
Polk	9985	ABT Holdings, LLC	R250	G	0.037	0.284	0.284
Polk	10392	Milmack, Inc	R250	G	0.127	0.266	0.266
Polk	10559	Polk Co BOCC	R245	G	0.057	0.106	0.106
Polk	10656	Stephen J. Fox, LLC	R240	G	0.000	0.120	0.004
Polk	10826	Lone Palm Golf Club, LLC	R250	G	0.000	0.251	0.251
Polk	10826	Lone Palm Golf Club, LLC	R250	S	0.156	0.251	0.251
Polk	11693	City of Lakeland Parks and Recreation Dept	R230	G	0.296	0.176	0.159
Polk	12172	Lake Ashton II Community Development Dist.	R250	G	0.124	0.248	0.248
Polk	12446	C. C. Calhoun, Inc	R240	G	0.005	0.161	0.016
Polk	12636	The Country Club of Winter Haven, Inc	R250	G	0.100	0.122	0.122
Polk	12652	Highlands Reserve LLC	R250	G	0.000	0.050	0.050
Polk	12832	Lake Ashton II Community Development Dist.	R250	G	0.119	0.186	0.186
Polk	13330	City Of Winter Haven/Willowbrook	R250	G	0.000	0.021	0.021
Polk	20745	Stillwater Preserve Development, LLC	R250	G	0.277	1.063	1.063
<b>Polk County Totals</b>					<b>5.782</b>	<b>Metered, mgd</b>	
					<b>1.900</b>	<b>Estimated, mgd, 159 WUPs</b>	
					<b>7.682</b>	<b>Total, mgd</b>	
Sarasota	3872	Winchester Florida Ranch, LLLP	R240	G	0.275	2.49	2.489
Sarasota	3890	Grand Park Holding, LLC	R240	G	0.013	0.296	0.178
Sarasota	3941	Mission Valley Golf & Country Club, Inc	R250	G	0.156	0.246	0.246
Sarasota	5517	Capri Isles Golf Inc	R250	G	0.009	0.019	0.019
Sarasota	5648	Gator Creek Golf Club Inc	R250	G	0.001	0.104	0.104
Sarasota	5695	Neal Communities of Southwest Florida, LLC	R240	G	0.000	0.267	0.157
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	G	0.094	0.362	0.202
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	S	0.079	0.362	0.202

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	6364	The Plantation Management Association, Inc	R240	G	0.241	1.214	1.214
Sarasota	6364	The Plantation Management Association, Inc	R240	S	0.176	1.214	1.214
Sarasota	6770	Oaks Bayside HOA, Inc	R240	G	0.084	0.166	0.166
Sarasota	6863	L B 500, LLC, dba Longboat Key Club	R250	G	0.154	0.289	0.289
Sarasota	6954	The Oaks Club Corp	R250	G	0.242	0.475	0.475
Sarasota	7448	SNF Property LLC	R411	G	0.013	0.186	0.021
Sarasota	7846	Schroeder-Manatee Ranch Inc (Multi-County w Manatee)	R240	G	0.750	18.238	17.919
Sarasota	7873	Myakka Pines Golf Club of Englewood Inc	R250	G	0.000	0.063	0.063
Sarasota	7873	Myakka Pines Golf Club of Englewood Inc	R250	S	0.003	0.063	0.063
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	0.144	0.177	0.177
Sarasota	8782	Tatum Ridge Golf Links, Inc	R250	G	0.005	0.183	0.183
Sarasota	8819	Boca Royale Golf & Country Club, Inc	R250	G	0.003	0.099	0.099
Sarasota	8900	The Meadows Community Association, Inc.	R250	G	0.171	0.144	0.144
Sarasota	9517	Laurel Oak Country Club	R250	G	0.142	0.132	0.132
Sarasota	9667	Lex Pelican LP	R250	G	0.327	0.264	0.264
Sarasota	9839	Venice Golf & Country Club Ltd	R250	G	0.009	0.254	0.254
Sarasota	10407	Serenoa Holdings, LLC	R250	G	0.164	0.275	0.275
Sarasota	10606	LB 500, LLC, dba Longboat Key Club	R250	G	0.214	0.427	0.427
Sarasota	10823	Calusa Lakes Community Assoc Inc	R240	G	0.405	0.387	0.387
Sarasota	10877	Stoneybrook Golf & Country Club of Sarasota, Inc	R250	G	0.160	0.245	0.245
Sarasota	10880	Southbay Yacht & Racquet Club Owner's Assoc, Inc	R240	G	0.177	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	0.069	0.293	0.293
Sarasota	11638	Marsh Creek Holdings, LTD	R250	G	0.035	0.451	0.451
Sarasota	11871	City Of Venice	R250	G	0.093	0.160	0.160
Sarasota	12075	WCI Communities, Inc	R240	G	0.194	0.408	0.408

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	12145	Village Walk of Sarasota HOA, Inc	R240	G	0.000	0.184	0.184
Sarasota	12177	Boca Royale Holdings, LLC	R240	G	0.322	0.164	0.164
Sarasota	12177	Boca Royale Holdings, LLC	R240	S	0.000	0.164	0.164
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 Development, LLC	R240	S	0.179	0.235	0.235
Sarasota	12590	Aquaterra Utilities Inc	R240	G	0.125	0.255	0.255
Sarasota	12634	Venetian Falls HOA Inc	R240	G	0.003	0.157	0.157
Sarasota	12645	Resource Conservation of Sarasota, LLC	R240	G	0.176	0.519	0.519
Sarasota	12750	Ventura Village HOA Inc	R240	G	0.015	0.087	0.087
Sarasota	12759	Panacea Gulf Coast Investments, LLC	R240	G	0.291	0.476	0.476
Sarasota	12772	Islandwalk at the West Villages HOA, Inc.	R240	S	0.903	0.700	0.700
Sarasota	20403	Sandhill Preserve Property Owners' Assoc, Inc	R240	G	0.007	0.050	0.050
Sarasota	20546	Milano Neighborhood Association, Inc.	R240	G	0.167	0.131	0.131
Sarasota	20591	DiVosta Homes LP	R240	G	0.016	0.128	0.128
Sarasota	20599	Bellacina by Casey Key HOA Inc.	R240	G	0.088	0.089	0.089
Sarasota	20643	Esplanade on Palmer Ranch Homeowners Association, Inc.	R240	G	0.052	0.06	0.06
Sarasota	20816	Taylor Morrison of Florida, Inc	R240	G	0.116	0.280	0.280
Sarasota	20853	Pulte Home Company, LLC	R240	G	0.000	0.113	0.113
Sarasota	20888	Pamlico Point Management, LLC	R240	G	0.067	0.123	0.123
Sarasota	20898	Sarasota County	R245	G	0.022	0.059	0.059
Sarasota	20935	Neal Signature Homes, LLC	R240	G	0.140	0.075	0.075
Sarasota	20936	Border and Jacaranda Holdings, LLC	R240	G	0.029	0.021	0.021
<b>Sarasota County Totals</b>					<b>7.320</b>	<b>Metered, mgd</b>	
					<b>1.886</b>	<b>Estimated, mgd, 113 WUPs</b>	
					<b>9.206</b>	<b>Total, mgd</b>	
Sumter	2622	Continental Country Club R.O. Inc	R250	G	0.229	0.212	0.212

## 2021 ESTIMATED WATER USE REPORT

**Table A-5. 2021 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	3206	Villages Operating Company	R250	G	0.321	0.616	0.616
Sumter	6793	Rainforest RV Inc	R250	G	0.102	0.224	0.193
Sumter	8675	U.S. Dept Of Veterans Affairs	R240	G	0.238	0.817	0.817
Sumter	10923	Spruce Creek Golf LLC	R250	G	0.514	0.164	0.164
Sumter	11566	The Villages of Lake-Sumter Inc	R245	G	0.031	0.093	0.093
Sumter	11624	Village CDD 2	R240	G	0.031	0.077	0.077
Sumter	11778	Village Center CDD	R250	G	0.004	0.040	0.040
Sumter	13005	Village Center CDD	R250	G	0.856	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	0.603	3.486	3.486
<b>Sumter County Totals</b>					<b>2.958</b>	<b>Metered, mgd</b>	
					<b>0.177</b>	<b>Estimated, mgd, 10 WUPs</b>	
					<b>3.135</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>45.471</b>	<b>Metered, mgd</b>	
					<b>12.488</b>	<b>Estimated, mgd</b>	
					<b>57.959</b>	<b>Total, mgd</b>	

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

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

- <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.

## 2021 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.

## 2021 ESTIMATED WATER USE REPORT

**Table A-6. 2021 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>	1.418	1.724	2.433	2.337	2.632	1.793	1.412	0.807	0.778	1.628	1.448	1.866
<b>Citrus</b>	1.639	2.444	3.382	3.948	5.044	2.770	2.533	2.501	2.719	3.160	2.997	3.029
<b>Desoto</b>	0.094	0.096	0.201	0.196	0.274	0.174	0.069	0.053	0.061	0.139	0.100	0.132
<b>Hardee</b>	0.087	0.086	0.146	0.132	0.212	0.150	0.070	0.061	0.064	0.131	0.124	0.132
<b>Hernando</b>	2.383	2.424	3.483	4.135	5.514	2.940	1.894	2.347	3.221	3.770	3.206	3.283
<b>*Highlands</b>	1.157	1.802	2.871	2.906	2.389	2.220	1.425	1.640	1.953	2.571	2.028	1.801
<b>Hillsborough</b>	7.106	6.710	11.686	12.347	16.507	11.031	6.055	5.784	5.330	10.384	8.821	7.823
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0.127	0.127	0.247	0.251	0.358	0.217	0.106	0.090	0.089	0.215	0.159	0.183
<b>Manatee</b>	6.899	7.108	11.612	11.012	16.997	14.303	7.488	7.327	6.655	13.123	10.788	12.717
<b>*Marion</b>	1.592	1.440	2.867	2.791	4.613	2.678	1.783	1.522	1.702	2.822	2.251	2.390
<b>Pasco</b>	2.031	1.920	4.155	3.977	6.087	3.473	1.504	1.852	1.495	3.361	2.236	3.103
<b>Pinellas</b>	2.418	1.679	3.150	6.662	5.192	2.999	2.892	2.083	1.860	3.442	3.488	2.877
<b>*Polk</b>	5.408	5.334	11.337	9.989	12.784	9.566	5.076	4.980	5.465	8.713	6.207	7.334
<b>Sarasota</b>	7.678	6.606	9.179	12.066	15.062	10.714	6.039	4.024	4.451	8.826	7.876	8.946
<b>Sumter</b>	2.115	1.826	3.402	4.279	8.962	3.627	1.707	2.237	2.282	2.298	2.628	2.245
<b>District Total</b>	42.152	41.326	70.151	77.028	102.627	68.655	40.053	37.308	38.125	64.583	54.357	57.861
<b>Groundwater</b>	38.933	37.875	63.940	66.826	93.297	63.234	34.953	34.168	34.710	59.143	49.681	53.118
<b>Surface Water</b>	3.219	3.451	6.211	10.202	9.330	5.421	5.100	3.140	3.415	5.440	4.676	4.743

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

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

## **2021 ESTIMATED WATER USE REPORT**

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## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	Bryan Paul, Inc	A415	G	0.000	0.115	0.115
Charlotte	608	Bryan Paul, Inc	A415	S	0.000	0.115	0.115
Charlotte	1019	Ryals Citrus & Cattle Co	A470	G	0.000	0.316	0.316
Charlotte	1117	Bickett Holdings, LLC	A415	G	0.268	2.316	2.316
Charlotte	1117	Bickett Holdings, LLC	A415	S	0.102	2.316	2.316
Charlotte	1759	Probitas Enterprises LLC	A57F	G	0.000	2.461	2.461
Charlotte	1759	Probitas Enterprises LLC	A57F	S	0.074	2.461	2.461
Charlotte	2588	Kelly Family Holdings LLC	A451	G	0.673	1.201	1.024
Charlotte	2593	JDI Farms, Inc.	A415	G	0.000	0.512	0.512
Charlotte	2593	JDI Farms, Inc.	A415	S	0.000	0.512	0.512
Charlotte	2689	East Charlotte Drainage District	A415	G	0.599	2.767	2.748
Charlotte	2689	East Charlotte Drainage District	A415	S	0.731	2.767	2.748
Charlotte	3275	Chapman Family Partnership LLLP (Multi County w DeSoto)	A415	G	0.235	1.102	1.102
Charlotte	4217	The Five Cross Land Trust	A490	G	0.000	0.199	0.199
Charlotte	4606	Spanish Trail Land & Cattle Comp. (Multi County w DeSoto)	A525	G	0.009	3.280	3.280
Charlotte	4606	Spanish Trail Land & Cattle Comp. (Multi County w DeSoto)	A525	S	0.000	3.280	3.280
Charlotte	5936	Schwartz Charlotte Grove Properties, LLC	A495	G	0.110	1.001	1.001
Charlotte	6569	Kent C. Connell	A525	G	0.012	0.142	0.142
Charlotte	7240	Iowa International Inv Inc	L600	G	0.000	0.002	0.002
Charlotte	8224	Spanish Trails Farming and Land Company, LLC	A56S	G	0.000	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	0.042	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	0.042	1.258	1.258
Charlotte	9417	Kye & Deborah Bishop	A415	G	0.000	0.161	0.161
Charlotte	9476	Citrus Creek Grove LLC	A415	G	0.250	0.679	0.679
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	G	0.505	1.465	1.465
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	S	0.000	1.465	1.465

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	9727	Friedrich Schiller	A415	G	0.162	0.461	0.461
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	0.139	0.221	0.221
Charlotte	10959	Hall Family Ranch, LLC	A470	G	0.000	0.203	0.113
Charlotte	11715	Coral Creek Burnt Store, LLC	A490	G	0.000	0.240	0.240
Charlotte	11982	Bethel Farms LLLP	A525	G	0.754	0.902	0.902
Charlotte	12541	Battista Farms SR 31 Real Property, LLC	A525	G	0.123	0.433	0.433
Charlotte	13349	Ryals Citrus & Cattle, LLC	A525	G	0.258	0.499	0.499
Charlotte	20053	Hudson Hammocks, LLC and JMH Trust	A470	G	0.085	0.363	0.363
Charlotte	20204	Thomas J. Chastain, Sr. and Mary Chastain, Trustees	A470	G	0.000	0.260	0.260
Charlotte	20902	Brevard-Harbor Edge, LLC	A57F	G	0.000	1.694	1.694
Charlotte	20902	Brevard-Harbor Edge, LLC	A57F	S	2.538	1.694	1.694
Charlotte	20999	Hudson Land & Cattle	A525	G	0.000	2.200	2.200
<b>Charlotte County Totals</b>					<b>7.711</b>	<b>Metered, mgd</b>	
					<b>0.640</b>	<b>Estimated, mgd, 22 WUPs</b>	
					<b>8.351</b>	<b>Total, mgd</b>	
Citrus	12288	M & B Products Inc	A455	G	0.189	0.497	0.497
<b>Citrus County Totals</b>					<b>0.189</b>	<b>Metered, mgd</b>	
					<b>1.398</b>	<b>Estimated, mgd, 43 WUPs</b>	
					<b>1.587</b>	<b>Total, mgd</b>	
DeSoto	164	Citrus Pride Inc	A415	G	0.080	0.280	0.280
DeSoto	481	Cynthia G. Dees and William T. Trawick	A415	G	0.000	0.096	0.096
DeSoto	572	Sorrells Groves, Inc	A415	G	0.027	0.261	0.261
DeSoto	897	Sorrells Groves, Inc	A415	G	0.145	0.448	0.448
DeSoto	940	Bickett Holdings, LLC	A415	G	0.085	0.330	0.330
DeSoto	1018	TLand, LLC	A415	G	0.000	0.074	0.074
DeSoto	1020	Ryals Citrus and Cattle, LLC	A470	G	0.102	0.330	0.330

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	1048	A & A Blueberry, LLC	A410	G	0.049	0.204	0.204
DeSoto	1176	Constructora Limonar, LLC	A415	G	0.017	0.102	0.102
DeSoto	1240	QC Desoto Grove Ventures, LLC	A415	G	0.080	0.075	0.075
DeSoto	1379	Robert Brewer, Lenora Brewer, James Brewer	A415	G	0.039	0.099	0.099
DeSoto	1381	Sorrells Of Manatee Inc	A415	G	0.127	0.163	0.163
DeSoto	1384	Sorrells Groves, Inc	A415	G	0.035	0.107	0.107
DeSoto	1389	Sorrells Groves, Inc	A415	G	0.015	0.147	0.147
DeSoto	1391	Down South Blues Corp	A410	G	0.072	0.118	0.118
DeSoto	1568	Turner Land & Cattle, LLP	A415	G	0.000	0.181	0.181
DeSoto	1635	Bethel Farms, LLLP	A525	G	2.420	3.016	3.016
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	0.058	0.239	0.239
DeSoto	1719	Sunny South Packing Company	A415	G	0.158	0.174	0.174
DeSoto	1722	Sunny South Packing Company	A415	G	0.081	0.079	0.079
DeSoto	1723	Sunny South Packing Company	A415	G	0.151	0.369	0.369
DeSoto	1754	L.I. Smith Trustee	A415	G	0.000	0.114	0.114
DeSoto	1755	VCH Holdings, LLC	A415	G	0.106	0.174	0.174
DeSoto	1766	Hollingsworth Grove Properties LLC	A415	G	0.029	0.059	0.059
DeSoto	1771	Diner Citrus and Cattle Company	A415	G	0.012	0.143	0.143
DeSoto	1774	Sunny South Packing Company	A415	G	0.106	0.080	0.080
DeSoto	2125	Carlton Horse Creek Partners LLC	A470	G	0.000	0.629	0.629
DeSoto	2193	Phillip W Turner Family Partnership LTD	A490	G	0.699	3.802	3.802
DeSoto	2240	Eugene H Turner Family Partnership, LTD	A415	G	0.137	0.230	0.230
DeSoto	2386	Joshua Water Control District	A415	G	13.659	14.132	14.132
DeSoto	2390	Alfred G & Mary J Parker	A490	G	0.056	0.265	0.265
DeSoto	2418	Island Grove, LLC	A410	G	0.000	0.091	0.091
DeSoto	2665	M and V, LLC	A415	G	0.077	0.677	0.677
DeSoto	2703	VCH Citrus, LLC	A415	G	0.332	0.499	0.499

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	2740	Eugene H. Turner as the Trustee	A415	G	0.276	0.538	0.538
DeSoto	2790	VCH Citrus, LLC	A415	G	0.106	0.136	0.136
DeSoto	2906	Eugene H Turner Family Partnership, LTD	A416	G	0.079	0.119	0.119
DeSoto	3069	Symon Grove, LLC	A415	G	0.174	0.681	0.681
DeSoto	3069	Symon Grove, LLC	A415	S	0.000	0.681	0.681
DeSoto	3216	T & T Environmental, LLC	A415	G	0.131	0.285	0.285
DeSoto	3275	Chapman Family Partnership LLLP (Multi County w Charlotte)	A415	G	0.098	1.102	1.102
DeSoto	3275	Chapman Family Partnership LLLP (Multi County w Charlotte)	A415	S	0.336	1.102	1.102
DeSoto	3320	Bickett Holdings, LLC	A415	G	0.007	0.018	0.018
DeSoto	3322	Sorrells Groves, Inc	A415	G	0.016	0.081	0.081
DeSoto	4396	Sorrells Groves, Inc	A415	G	0.091	0.154	0.154
DeSoto	4606	Spanish Trail Land & Cattle Comp. (Multi County w Charlotte)	A525	G	0.039	3.280	3.280
DeSoto	4606	Spanish Trail Land & Cattle Comp. (Multi County w Charlotte)	A525	S	0.000	3.280	3.280
DeSoto	4692	Joshua and Courtney Varner	A415	G	0.000	0.079	0.079
DeSoto	4726	Ridgeback Grove LLC	A415	G	0.151	0.171	0.171
DeSoto	4806	Sorrells Groves, Inc	A415	G	0.097	0.248	0.248
DeSoto	4899	Spanish Trail Land & Cattle Company, LLC	L632	G	0.187	0.352	0.352
DeSoto	5060	Charlee LLC	A470	G	0.301	2.203	2.203
DeSoto	5305	Mercer's Mens & Western Store, Inc	A415	G	0.136	0.206	0.206
DeSoto	5875	Bickett Holdings, LLC	A415	G	0.292	0.770	0.770
DeSoto	5951	Dan Shelfer and Carolyn Shelfer Trust	A415	G	0.015	0.134	0.134
DeSoto	6064	James D. Brewer, James R. Brewer & Robert C. Brewer	A415	G	0.035	0.129	0.129
DeSoto	6122	VCH Holdings, LLC	A415	G	0.167	0.247	0.247
DeSoto	6274	West Vero Farms, LLC	A415	G	0.000	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	0.011	0.876	0.876
DeSoto	6275	West Vero Farms, LLC	A415	S	0.000	0.876	0.876
DeSoto	6410	Charles Harrison	A415	G	0.089	0.110	0.110

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	0.199	0.227	0.227
DeSoto	6669	QC Standby 5 LLC	A415	G	1.132	1.530	1.530
DeSoto	6669	QC Standby 5 LLC	A415	S	0.195	1.530	1.530
DeSoto	6765	QC Hancock Grove, LLC	A415	G	0.368	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	0.401	0.428	0.428
DeSoto	6872	Tippen Bay Properties, LLLP	A415	G	0.531	1.585	1.585
DeSoto	6872	Tippen Bay Properties, LLLP	A415	S	0.000	1.585	1.585
DeSoto	6915	James D. Brewer & Robert C. Brewer (Multi County w Manatee)	A495	G	0.166	1.228	1.228
DeSoto	6968	James D. Brewer & Robert C. Brewer	A495	G	0.000	1.099	1.099
DeSoto	7047	E & D Ranch LLP	A495	G	0.019	0.107	0.107
DeSoto	7236	John K Johnson & H L Johnson Family Limited Partnership	A525	G	0.031	0.443	0.443
DeSoto	7262	Sorrells Groves, Inc	A415	G	0.045	0.086	0.086
DeSoto	7269	Spanish Trail Land and Cattle Company, LLC	A525	G	0.000	0.931	0.931
DeSoto	7290	Robert C. Brewer and James D. Brewer	A415	G	0.105	0.307	0.307
DeSoto	7291	VCH Holdings, LLC	A415	G	0.093	0.117	0.117
DeSoto	7292	Charles W. Harrison Family Trust	A415	G	0.040	0.080	0.080
DeSoto	7331	Justin Blomberg, Trustee	A525	G	0.273	0.718	0.718
DeSoto	7331	Justin Blomberg, Trustee	A525	S	0.000	0.718	0.718
DeSoto	7461	Mercer's Mens & Western Store, Inc	A415	G	0.089	0.122	0.122
DeSoto	7462	Bexley Sumter, Inc.	A525	G	0.063	1.181	1.181
DeSoto	7462	Bexley Sumter, Inc.	A525	S	0.000	1.181	1.181
DeSoto	7535	Bickett Farms	A415	G	0.194	1.055	1.055
DeSoto	7748	4 F, LLC	L632	G	0.055	0.479	0.479
DeSoto	7748	4 F, LLC	L632	S	0.000	0.479	0.479
DeSoto	7775	Sorrells Groves, Inc	A415	G	0.063	0.132	0.132
DeSoto	7783	Southeast Groves, LLC	A415	G	0.004	0.456	0.456
DeSoto	7783	Southeast Groves, LLC	A415	S	0.239	0.456	0.456

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	7854	Sunny Future, LLC	A415	G	0.108	0.137	0.137
DeSoto	7870	Sorrells Groves, Inc	A415	G	0.263	0.197	0.197
DeSoto	7957	Turner Groves Citrus Limited Partnership	A415	G	3.571	3.170	3.170
DeSoto	8154	Emerald Packing Company Inc	A415	G	0.029	0.071	0.071
DeSoto	8155	7 Mile Marine Center, Inc	A58S	G	0.000	0.149	0.149
DeSoto	8287	QC Standby 5 LLC	A415	G	0.300	0.180	0.180
DeSoto	8348	William Head	A470	G	0.108	0.470	0.470
DeSoto	8436	RCB Desoto, LLC	A415	G	0.021	0.090	0.090
DeSoto	8480	QC Standby 5 LLC	A415	G	1.401	1.267	1.267
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	G	2.177	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	0.275	0.354	0.354
DeSoto	8670	Citrus Pride, Inc	A415	G	0.046	0.241	0.241
DeSoto	8757	Southeast Groves, LLC	A415	G	0.383	0.464	0.464
DeSoto	8801	Robert C and Lenora P Brewer	A415	G	0.001	0.103	0.103
DeSoto	8860	VCH Holdings, LLC	A415	G	0.320	0.553	0.553
DeSoto	8935	VCH Holdings, LLC	A415	G	0.065	0.131	0.130
DeSoto	8985	Southeast Groves, LLC	A415	G	2.147	3.109	3.109
DeSoto	9031	Sorrells Groves Inc	A415	G	0.050	0.118	0.118
DeSoto	9073	Diaz Family Properties, LLC	L661	G	0.121	0.231	0.231
DeSoto	9127	Sunriver Citrus Florida LLC	A415	G	0.006	0.350	0.350
DeSoto	9154	QC Standby 5, LLC	A415	G	0.421	0.397	0.397
DeSoto	9185	QC Standby 5 LLC	A415	G	0.413	0.384	0.384
DeSoto	9226	PH Citrus, LLC	A535	G	0.250	2.013	2.013
DeSoto	9279	Sorrells Groves, Inc	A415	G	0.036	0.084	0.084
DeSoto	9373	QC Far Lo Grove, LLC	A415	G	0.128	0.123	0.123
DeSoto	9441	L.I. Smith Trustee	A415	G	0.000	0.035	0.035
DeSoto	9469	Sorrells Groves, Inc	A415	G	0.036	0.168	0.168

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	9478	Spanish Trail Land and Cattle Company, LLC	A525	G	0.000	0.954	0.954
DeSoto	9492	West Vero Farms, LLC	A415	G	0.012	0.253	0.253
DeSoto	9492	West Vero Farms, LLC	A415	S	0.162	0.253	0.253
DeSoto	9567	L.I. Smith, Trustee of DeSoto Land Trust	A415	G	0.267	0.291	0.291
DeSoto	9571	Barben Group	A415	G	0.133	0.160	0.160
DeSoto	9715	James D and Robert C Brewer	A415	G	0.087	0.166	0.166
DeSoto	9716	Island Grove LLC	A410	G	0.100	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	0.057	0.147	0.147
DeSoto	9734	Ryals Citrus & Cattle, LLC	A470	G	0.000	0.348	0.348
DeSoto	9741	Mosaic Fertilizer LLC and CMI (Multi County w Manatee)	A415	G	0.800	1.940	1.940
DeSoto	9782	Peace Valley Groves, Inc	A415	G	0.369	0.648	0.648
DeSoto	9789	Patrick Nudo	A415	G	0.006	0.079	0.079
DeSoto	9933	J.W. Crews, Jr., JDM Partnership	A415	G	0.037	0.074	0.074
DeSoto	10067	QC Standby 5 LLC	A415	G	0.211	0.117	0.117
DeSoto	10233	Charles T. and Gina M. Adams, Co-Trustees of Adams Family	A490	G	0.000	0.117	0.117
DeSoto	10251	Robert T. & Barbara G. Tiffany	A415	G	0.000	0.085	0.085
DeSoto	10379	M & R Groves Inc	A410	G	0.047	0.159	0.159
DeSoto	10553	James D & E Coleman Brewer	A415	G	0.012	0.128	0.128
DeSoto	10719	Phillip W Turner Family Partnership LTD	A416	G	0.219	0.281	0.281
DeSoto	10722	Alico, Inc	A415	G	5.992	5.147	5.147
DeSoto	10892	L.I. Smith Trustee	A470	G	0.000	0.189	0.189
DeSoto	10968	Leffie Carlton, III Revocable Trust	A470	G	0.000	0.365	0.365
DeSoto	10971	W M and Linda Sue Marsh	A415	G	0.151	0.201	0.201
DeSoto	11017	QC Standby 5 LLC	A415	G	0.147	0.123	0.123
DeSoto	11124	Dimare Ruskin #2 LLC	A56F	G	0.777	2.259	2.259
DeSoto	11201	Sorrells Groves, Inc	A415	G	0.123	0.184	0.184
DeSoto	11202	Sorrells Groves, Inc	A415	G	0.048	0.112	0.112

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	11256	Kathy Salvador	A470	G	0.000	0.231	0.231
DeSoto	11665	4 N 1 Grove LLC	A415	G	0.114	0.271	0.271
DeSoto	11718	Bermont Properties LLC	A415	G	0.066	0.151	0.151
DeSoto	12004	Board of Trustees Internal Improvement Trust Fund	A57F	G	0.000	0.174	0.174
DeSoto	12179	Owens Enterprises, Inc	A470	G	0.000	0.191	0.191
DeSoto	12195	CB Landholdings II LLC	A415	G	0.090	0.287	0.287
DeSoto	12253	Citrus Grove Inc	A415	G	0.081	0.155	0.155
DeSoto	12391	James Bickett	A490	G	0.120	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	0.007	0.131	0.131
DeSoto	12814	Llano Ranches, LP	A470	G	0.000	1.749	1.749
DeSoto	12818	Island Grove LLC	A410	G	0.114	0.194	0.194
DeSoto	12866	VCH Citrus LLC	A415	G	0.186	0.199	0.199
DeSoto	12875	QC Standby 5 LLC	A415	G	0.259	0.207	0.207
DeSoto	12997	Anthony R & Summer M Yacovetti	A480	G	0.030	0.194	0.194
DeSoto	13151	Navum Valley Farms 35, LLC	A490	G	0.000	0.451	0.451
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	20285	RCB DESOTO, LLC	A415	G	0.000	0.149	0.149
DeSoto	20554	French Golden Gate, LLC	A58S	G	0.024	2.320	2.320
DeSoto	20664	North Joshua Grove, LLC	A415	G	0.360	0.861	0.861
DeSoto	20703	Optimum Ranch Florida, LLC	A58S	G	0.070	2.415	2.415
<b>DeSoto County Totals</b>					<b>50.047</b>	<b>Metered, mgd</b>	
					<b>5.938</b>	<b>Estimated, mgd, 273 WUPs</b>	
					<b>55.985</b>	<b>Total, mgd</b>	
Hardee	51	Altos Rock, LLC	A410	G	0.233	0.217	0.217
Hardee	52	H. Shawn and Zenybie Pollard	A410	G	0.241	0.244	0.244
Hardee	56	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.015	0.097	0.097



## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hardee	131	Ballantyne Groves, Inc	A415	G	0.036	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	0.021	0.115	0.115
Hardee	480	Johnson-Hardee Holdings, LLC	A415	G	0.070	0.131	0.131
Hardee	527	Stephen M & Jennifer S Palmer	A415	G	0.094	0.259	0.259
Hardee	558	Chapman Family Partnership, LLLP	A415	G	0.069	0.102	0.102
Hardee	560	Pam Groves, LLC	A415	G	0.000	0.085	0.085
Hardee	614	Picnic Block Holdings, Inc	A415	G	0.097	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	0.021	0.088	0.088
Hardee	784	Mosaic Fertilizer, LLC	A415	G	0.150	0.339	0.339
Hardee	785	Mosaic Fertilizer, LLC	A415	G	0.385	1.185	1.185
Hardee	834	E Milton and Florence Lanier	A56S	G	0.001	0.192	0.192
Hardee	1088	John and Josephine Beck	A415	G	0.061	0.086	0.086
Hardee	1102	Peace River Investments Of Wauchula, LLC	A415	G	0.019	0.114	0.114
Hardee	1144	Mosaic Fertilizer, LLC	A655	G	0.000	0.345	0.345
Hardee	1148	Paul Mislevy Living Trust	A415	G	0.101	0.189	0.189
Hardee	1242	Barben Group	A415	G	0.261	0.244	0.244
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	0.023	0.300	0.300
Hardee	1259	QC Desoto Grove Ventures, LLC	A415	G	0.206	0.162	0.162
Hardee	1283	J W Crews Jr	A415	G	0.055	0.112	0.112
Hardee	1324	Mosaic Fertilizer, LLC	A416	G	0.028	0.061	0.061
Hardee	1339	Jinlong Management, Inc.	A415	G	0.000	0.086	0.086
Hardee	1454	Crewsville Groves LLC	A415	G	1.023	0.978	0.978
Hardee	1472	Margaret Henderson	A415	G	0.042	0.152	0.152
Hardee	1576	W & S Duncan Limited Partnership	A415	G	0.073	0.131	0.131
Hardee	1655	Mosaic Fertilizer, LLC	A415	G	0.000	0.269	0.269

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hardee	1672	Chapman Family Partnership, LLLP	A415	G	0.077	0.269	0.269
Hardee	1709	Sunny South Packing Company	A415	G	0.040	0.079	0.079
Hardee	1746	Mosaic Fertilizer, LLC	A415	G	0.000	0.533	0.533
Hardee	1906	Twenty Twenty Groves, Inc	A415	G	0.172	0.199	0.199
Hardee	1912	V & W Farms Inc of Delray Beach	A495	G	0.139	1.298	1.295
Hardee	2149	South Ft. Meade Land Management, Inc	A655	G	0.000	0.154	0.154
Hardee	2158	C.R. Melear Corp	L700	G	0.247	0.749	0.749
Hardee	2164	Debra and Thomas S. Watkins	A415	G	0.237	0.403	0.403
Hardee	2270	Three B Grove and Ranch, LLP, et. al.	A415	G	0.132	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	0.093	0.113	0.113
Hardee	2382	D H Ranch Inc	A490	G	0.000	0.099	0.099
Hardee	2383	Smoak Groves, Inc	A415	G	0.041	0.043	0.043
Hardee	2467	Ben Hill Griffin, Inc	A455	G	0.287	1.144	1.144
Hardee	2584	John L. & Jeri A. Matz	A415	G	0.000	0.078	0.078
Hardee	2614	Hollingsworth Grove Properties LLC	A415	G	0.102	0.166	0.166
Hardee	2626	734 LMC Groves, LLC	A415	G	0.200	0.354	0.354
Hardee	2645	Willard K Durrance, Jr, Elizabeth A. Durrance	A415	G	0.132	0.107	0.107
Hardee	2647	Willard Kelly Durrance, Jr	A490	G	0.027	0.183	0.183
Hardee	2648	W.K. Durrance, LLC	A455	G	0.153	0.407	0.407
Hardee	2715	Mosaic Fertilizer LLC (Multi County w Polk)	A525	G	0.427	3.950	3.950
Hardee	2727	Useppa Citrus, LLC	A415	G	0.099	0.157	0.157
Hardee	2774	Farr Groves LLC	A415	G	0.100	0.104	0.104
Hardee	2871	Tamiami Citrus, LLC	A415	G	0.838	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	0.213	0.338	0.338
Hardee	2930	McCarlton Partners Ltd	A415	G	0.123	0.171	0.171
Hardee	2932	McCarlton Partners Ltd	A470	G	0.000	0.423	0.423

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hardee	3076	The Mosaic Co	A415	G	0.000	0.250	0.250
Hardee	3096	QC Standby 5 LLC	A415	G	0.103	0.200	0.200
Hardee	3119	Smoak Groves, Inc	A415	G	0.072	0.123	0.123
Hardee	3134	Crews Groves, Inc	A415	G	0.290	0.246	0.246
Hardee	3135	Crews Groves, Inc	A415	G	0.197	0.483	0.483
Hardee	3154	The Durrance Groves Limited Partnership	A415	G	0.058	0.083	0.083
Hardee	3207	Crews Groves, Inc	A415	G	0.065	0.093	0.093
Hardee	3235	T.C. Prescott, LLC	A415	G	0.048	0.084	0.084
Hardee	3292	Fort Green Farms, LLC	A415	G	0.056	0.119	0.119
Hardee	3321	Mosaic Fertilizer LLC	A415	G	0.107	0.162	0.162
Hardee	3338	South Ft. Meade Land Management, Inc	A655	G	0.015	0.248	0.248
Hardee	3341	George D N Beck & Glenn Elliott Beck	A415	G	0.100	0.123	0.123
Hardee	3478	Jed Groves Inc	A415	G	0.032	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	0.196	0.617	0.617
Hardee	3592	Square D Ranch Ltd LLP	A490	G	0.027	0.112	0.112
Hardee	3599	Crewsville Dairy Inc	A495	G	0.000	0.496	0.496
Hardee	3612	William K. and Elizabeth A. Durrance	A415	G	0.097	0.112	0.112
Hardee	3626	South Property Holdings, LLC	A415	G	0.054	0.192	0.192
Hardee	3695	Mosaic Fertilizer, LLC	A56S	G	0.000	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	0.135	0.142	0.142
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	G	1.392	1.587	1.587
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	S	0.034	1.587	1.587
Hardee	4197	Krause Groves, LLC	A415	G	0.052	0.113	0.113
Hardee	4229	Peace Valley Groves, Inc	A415	G	0.095	0.120	0.120
Hardee	4487	QC Hardee Grove Ventures LLC	A415	G	0.222	0.321	0.321
Hardee	4525	Pavilo Land Holdings, LLC	A480	G	0.063	0.111	0.111

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	4554	QC Desoto Grove Ventures, LLC	A415	G	0.121	0.130	0.130
Hardee	4600	Sweetwater Preserve, LLC	A655	G	0.097	1.943	1.943
Hardee	4600	Sweetwater Preserve, LLC	A655	S	0.000	1.943	1.943
Hardee	4660	Thompson Family Trust	A56S	G	0.000	0.391	0.391
Hardee	4719	Lamb Groves, Inc	A415	G	0.070	0.071	0.071
Hardee	4769	Himrod Groves Limited Partnership	A415	G	0.066	0.143	0.143
Hardee	4817	Twenty Twenty Groves, Inc	A415	G	0.784	1.780	1.780
Hardee	4817	Twenty Twenty Groves, Inc	A415	S	0.000	1.780	1.780
Hardee	4994	J.A.M. Farms Corp	A525	G	0.141	0.211	0.211
Hardee	5024	Mary Jane and Charles Matheny	A490	G	0.035	0.130	0.130
Hardee	5048	ATP Groves, LLC	A415	G	0.094	0.115	0.115
Hardee	5912	Ninfa C Davis Family LLC	A415	G	0.058	0.108	0.108
Hardee	5918	Crews Groves, Inc (Multi County w Polk)	A490	G	0.063	0.370	0.370
Hardee	6368	Donnis A. and Kathleen A. Barber	A480	G	0.150	0.188	0.188
Hardee	6393	Theo, Christina, Austin, and Henry Bryant	A480	G	0.042	0.107	0.107
Hardee	6550	Zolfo Springs Grove, LLC	A415	G	0.146	0.114	0.114
Hardee	6579	John Clay Henderson Trust	A415	G	0.051	0.090	0.090
Hardee	6925	Farr Groves LLC	A415	G	0.072	0.097	0.097
Hardee	7012	Mosaic Fertilizer, LLC	A655	G	0.000	0.310	0.310
Hardee	7025	Team Pentecost, LLC	A525	G	0.062	1.301	1.301
Hardee	7099	J. R. Paul, Jr. Family Limited Partnership	A415	G	0.116	0.143	0.143
Hardee	7332	South Ft. Meade Land Management, Inc	A655	G	0.016	0.550	0.550
Hardee	7341	QC Desoto Grove Ventures, LLC	A415	G	0.156	0.154	0.154
Hardee	7376	ATP Groves, LLC	A415	G	0.002	0.125	0.125
Hardee	7408	J.A.M. Farms Corp	A415	G	0.032	0.107	0.107
Hardee	7447	Robert C & Robin E Abbott	A415	G	0.109	0.126	0.126
Hardee	7483	C.R. Melear Corp	A490	G	0.030	0.131	0.131
Hardee	7505	Kahn Grove Service Co	A415	G	0.069	0.133	0.133

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	0.025	0.411	0.411
Hardee	7743	Pavilo Land Holdings, LLC	A480	G	0.080	0.235	0.235
Hardee	7759	Edgar Davis	A415	G	0.027	0.074	0.074
Hardee	7778	Kenneth DeVane Groves, Inc	A415	G	0.034	0.137	0.137
Hardee	7785	The Durrance Groves Limited Partnership	L600	G	0.000	0.001	0.001
Hardee	7831	Kyland, LLC	A470	G	0.000	0.176	0.176
Hardee	7998	QC Desoto Grove Ventures, LLC (Multi County w Manatee)	A415	G	0.141	0.465	0.465
Hardee	8007	Daniel W. & Karen Dodrill	A415	G	0.074	0.102	0.102
Hardee	8057	Charles Bass	A535	G	0.076	0.461	0.461
Hardee	8057	Charles Bass	A535	S	0.000	0.461	0.461
Hardee	8204	Blue Fields USA, LLC	A410	G	0.009	0.208	0.208
Hardee	8234	Royce & Martha Tyson	A415	G	0.090	0.103	0.103
Hardee	8372	Daniel H. & Linda M. Smith	A415	G	0.078	0.157	0.157
Hardee	8695	Arrowhead Golf Club, Inc.	A415	G	0.109	0.131	0.131
Hardee	8696	Dole Berry Company	A410	G	0.090	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	0.081	0.171	0.171
Hardee	8839	Edward M Schweighofer, Trs.	A415	G	0.000	0.094	0.094
Hardee	8845	C. Elton Crews Family LP, LLLP	A415	G	0.070	0.134	0.134
Hardee	8895	VCH Holdings, LLC	A415	G	0.205	0.476	0.476
Hardee	8907	Davis Enterprises, Inc	A415	G	0.162	0.169	0.169
Hardee	8917	VCH Holdings, LLC	A415	G	0.153	0.244	0.244
Hardee	8963	C&T Citrus , LLC	A415	G	0.113	0.206	0.206
Hardee	8969	South Ft. Meade Land Management, Inc	A415	G	0.123	0.372	0.372
Hardee	8973	Mosaic Fertilizer, LLC	A56S	G	0.000	0.168	0.168
Hardee	8975	Prewitt Enterprises, LLC	A415	G	0.089	0.224	0.224
Hardee	9027	Davis Enterprises Inc / Davis Citrus Mgmt Inc / Joe L Davis, Jr	A415	G	0.180	0.355	0.355
Hardee	9038	Charlie Creek Farms, LLC	A490	G	0.000	0.144	0.144

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	9061	Francisco Lucatero & Isaura Lucatero Zamora	A480	G	0.002	0.108	0.108
Hardee	9171	Stevens Land & Cattle LLC	A490	G	0.247	0.440	0.440
Hardee	9251	Stephen Reas and Susie K. Paras	A535	G	0.000	0.449	0.449
Hardee	9390	Windmill Farms Nurseries, Inc	A480	G	0.095	0.305	0.305
Hardee	9390	Windmill Farms Nurseries, Inc	A480	S	0.113	0.305	0.305
Hardee	9486	South Ft Meade Land Management, Inc	A655	G	0.035	0.935	0.935
Hardee	9673	Debra, Thomas S., Thomas C, & Kara Watkins	A415	G	0.306	0.725	0.725
Hardee	9683	Thelma C. Raley, Inc	A415	G	0.368	0.304	0.304
Hardee	9689	Lake Sawyer Properties, Inc	A415	G	0.112	0.138	0.138
Hardee	9691	The Groves of Peace River, Inc	A415	G	0.126	0.117	0.117
Hardee	9809	Charles J Abbott, Trustee of Charles J Abbott Revocable Trust	A415	G	0.085	0.076	0.076
Hardee	9847	Lynchburg Groves General Partnership	A415	G	0.172	0.157	0.157
Hardee	9850	Bentley Snyder	A415	G	0.033	0.074	0.074
Hardee	9901	Smoak Groves, Inc	A415	G	0.334	0.497	0.497
Hardee	9901	Smoak Groves, Inc	A415	S	0.008	0.497	0.497
Hardee	9987	Redding Farms, LLC	A480	G	0.069	0.065	0.065
Hardee	10009	E L Davis Jr	A495	G	0.017	0.223	0.223
Hardee	10671	Mosaic Fertilizer LLC	A415	G	0.542	2.294	2.294
Hardee	10771	Carl Wilburn	A415	G	0.078	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	0.031	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	RMD Properties LLC	A525	G	0.028	0.463	0.463
Hardee	11189	Second Mineral, LLC	A415	G	0.166	0.284	0.284
Hardee	11240	Story Groves, Inc	A415	G	0.356	0.352	0.352
Hardee	11244	Dixie Belle Groves Partnership	A415	G	0.132	0.090	0.090
Hardee	11380	HE & JM McClelland, Trstees of Harold E McClelland	A415	G	0.084	0.075	0.075

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	0.252	0.441	0.441
Hardee	11412	Mosaic Fertilizer, LLC	A646	G	0.000	0.306	0.306
Hardee	11639	Buckhorn Nursery, Ltd	A480	G	0.242	0.442	0.442
Hardee	11840	Glen Elliot Beck, as successor Trustee	A415	G	0.081	0.092	0.092
Hardee	11993	Roberto and Salvador Estrada	A56S	G	0.175	0.298	0.298
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	0.470	0.929	0.843
Hardee	12643	James Bickett	A416	G	0.177	0.414	0.414
Hardee	12646	Donnis Barber	A470	G	0.000	0.493	0.493
Hardee	12757	New Port Groves Partnership	A415	G	0.151	0.124	0.124
Hardee	12881	Stephen A. Herring Revocable Trust	A535	G	0.000	0.490	0.490
Hardee	12882	Arthur S. Womack Family, LLC	A415	G	0.099	0.082	0.082
Hardee	13145	Blue Fields USA LLC	A410	G	0.067	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	0.082	0.125	0.125
Hardee	13248	The Groves of Peace River, Inc	A415	G	0.384	0.402	0.402
Hardee	20376	Pebbledale Farms, Inc	A410	G	0.348	1.027	1.027
Hardee	20376	Pebbledale Farms, Inc	A410	S	0.000	1.027	1.027
Hardee	20449	Twenty Twenty Groves, Inc	A415	G	0.448	0.532	0.532
Hardee	20483	Charles J & Josephine Abbott Trustees	A415	G	0.151	0.158	0.158
Hardee	20760	Charles and Jane Stevens	A415	G	0.027	0.041	0.041
Hardee	20806	VC Hollingsworth, III, L. Mills, B. Thornton, & L. Hoopingarner	A415	G	0.042	0.091	0.091
<b>Hardee County Totals</b>					<b>22.067</b>	<b>Metered, mgd</b>	
					<b>13.828</b>	<b>Estimated, mgd, 616 WUPs</b>	
					<b>35.895</b>	<b>Total, mgd</b>	

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## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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>
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>1.656</b>	<b>Estimated, mgd, 63 WUPs</b>	
					<b>1.656</b>	<b>Total, mgd</b>	
Highlands	3736	Avon Park Holdings, LLC	A415	G	0.294	0.234	0.234
Highlands	4075	Ward Family Ltd Partnership	A415	G	0.400	0.344	0.344
Highlands	4077	Martin J and Karen McKenna	A415	G	0.095	0.111	0.111
Highlands	4162	Macbeth Associates, Ltd	A415	G	0.045	0.129	0.129
Highlands	4219	S.Y. Hartt & Son, Inc	A415	G	1.202	1.340	1.340
Highlands	4230	Peace Valley Groves, Inc	A415	G	0.066	0.098	0.098
Highlands	4251	Gapway Grove Corp	A415	G	0.016	0.180	0.180
Highlands	4253	Gapway Grove Corp	A415	G	0.031	0.227	0.227
Highlands	4284	A.R. Chapman and Stephens Groves, Inc	A415	G	0.152	0.212	0.212
Highlands	4288	C. Elton Crews Family LP, LLLP	A415	G	0.055	0.092	0.092
Highlands	4300	Mark D. Beck Family Trust	A415	G	0.039	0.107	0.107
Highlands	4393	Phoenix Groves, LLC	A415	G	0.249	0.234	0.234
Highlands	4527	John L. Beck Living Trust	A415	G	0.073	0.143	0.143
Highlands	4557	Saxon Groves Inc	A415	G	0.030	0.179	0.179
Highlands	4557	Saxon Groves Inc	A415	S	0.093	0.179	0.179
Highlands	4604	Avon Park Lake Estates, LLC	A415	G	0.000	0.148	0.148
Highlands	4677	Ben Hill Griffin, Inc	A415	G	0.104	0.100	0.100
Highlands	4678	Ben Hill Griffin, Inc	A415	G	0.107	0.119	0.119
Highlands	4679	Ben Hill Griffin, Inc	A415	G	1.642	1.593	1.593
Highlands	4680	Ben Hill Griffin, Inc	A415	G	1.230	1.596	1.596
Highlands	4681	Ben Hill Griffin, Inc	A415	G	0.099	0.104	0.104
Highlands	4685	Ben Hill Griffin, Inc	A415	G	0.367	0.425	0.425
Highlands	4896	734 BLP Groves, LLC	A415	G	0.568	0.833	0.833
Highlands	4922	Crutchfield Groves, Inc	A415	G	0.083	0.110	0.110



## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	4941	Charles L. and Anne D. Reynolds, Jr	A415	S	0.023	0.073	0.073
Highlands	5009	Smoak Groves, Inc	A415	G	0.000	0.028	0.028
Highlands	5073	Crutchfield Groves, Inc	A415	G	0.241	0.248	0.248
Highlands	5170	Dasher Groves, Inc.	A415	G	0.000	0.139	0.139
Highlands	5178	Lost Lake Groves, Inc	A415	S	0.239	0.464	0.464
Highlands	5182	Charles Reynolds	A415	G	0.106	0.214	0.214
Highlands	5232	Crews Groves, Inc & C. Elton Crews Family, LLLP	A415	G	0.083	0.107	0.107
Highlands	5290	PMC POD 4, LLC	A415	G	0.016	0.196	0.196
Highlands	5291	Davis Enterprises, Inc	A415	G	0.201	0.285	0.285
Highlands	5292	Crutchfield Groves, Inc	A415	G	0.058	0.129	0.129
Highlands	5293	Perry Cattle, LLC	A415	G	0.159	0.381	0.381
Highlands	5293	Perry Cattle, LLC	A415	S	0.032	0.381	0.381
Highlands	5322	Harshman Holdings, Inc	A415	G	0.028	0.153	0.153
Highlands	5330	Stephen D. Seims & Joan P. Seims	A490	G	0.063	0.185	0.185
Highlands	5337	Crutchfield Groves, Inc	A415	G	0.090	0.140	0.140
Highlands	5342	Henry Crutchfield Inc	A415	G	0.087	0.100	0.100
Highlands	5346	Lo Brothers Enterprises Inc	A415	G	0.000	0.012	0.012
Highlands	5354	Crutchfield Groves, Inc	A415	G	0.106	0.090	0.090
Highlands	5445	Joe L. Davis, Jr. Trust	A415	G	0.052	0.094	0.094
Highlands	5464	C Elton Crews Family LP LLLP	A415	G	0.116	0.147	0.147
Highlands	5504	C & L Land Co., LLLP	A415	G	0.079	0.139	0.139
Highlands	5516	Wabasso Road Dairy, Inc	L615	G	0.374	0.744	0.744
Highlands	5516	Wabasso Road Dairy, Inc	L615	S	0.000	0.744	0.744
Highlands	5522	C. Elton Crews Family LP, LLLP	A415	G	0.034	0.224	0.224
Highlands	5537	Joseph Macbeth	A415	G	0.330	0.386	0.386
Highlands	5563	Martin McKenna & JW Crews Jr	A415	G	0.111	0.196	0.196
Highlands	5566	Crews Groves, Inc	A415	G	0.123	0.164	0.164
Highlands	5574	Joe L Davis Family Citrus, LLC	A415	G	0.083	0.100	0.100

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Highlands	5583	Robert Crews	A415	G	0.162	0.247	0.247
Highlands	5621	Cow Slough Inc	A415	G	0.008	0.013	0.013
Highlands	5626	Robert J. Barben, Inc	A415	G	0.530	0.610	0.610
Highlands	5627	Robert J. Barben, Inc	A415	G	0.282	0.455	0.455
Highlands	5628	Running W Citrus Limited Partnership	A415	G	0.082	0.100	0.100
Highlands	5630	Macbeth Associates, Ltd	A415	G	0.038	0.107	0.107
Highlands	5638	Running W Citrus Limited Partnership	A415	G	1.361	1.716	1.716
Highlands	5639	734 LMC Groves, LLC	A415	G	0.701	0.731	0.731
Highlands	5676	Lykes Bros., Inc	A415	G	0.481	2.493	2.493
Highlands	5676	Lykes Bros., Inc	A415	S	0.173	2.493	2.493
Highlands	5719	Ward's Groves, LLC	A415	G	0.404	0.341	0.341
Highlands	5720	Emmett & Arost Groves, LLC	A415	G	0.105	0.105	0.105
Highlands	5878	Echo Grove, Inc.	A415	S	0.059	0.118	0.118
Highlands	5905	Perry Brothers	A415	G	0.088	0.174	0.174
Highlands	5920	Pioneer Grove, Inc	A415	G	0.311	0.292	0.292
Highlands	5999	Watters Groves, Inc	A415	G	0.053	0.100	0.100
Highlands	5999	Watters Groves, Inc	A415	S	0.015	0.100	0.100
Highlands	6000	Marsh Road Joint Venture	A415	G	0.082	0.123	0.123
Highlands	6031	PAI Lake Placid Groves LLC	A415	G	1.505	1.830	1.830
Highlands	6146	Anne D. Reynolds Trust	A415	G	0.000	0.093	0.093
Highlands	6146	Anne D. Reynolds Trust	A415	S	0.040	0.093	0.093
Highlands	6147	Sree Govardhan LLC	A415	G	0.083	0.240	0.240
Highlands	6154	Buck Lake Citrus, Inc	A415	G	0.132	0.183	0.183
Highlands	6160	Aeroganic LLC	A415	G	0.013	0.099	0.099
Highlands	6162	Cow Slough, Inc	A415	G	0.020	0.464	0.464
Highlands	6165	Trigen Investments, LLC	A415	G	0.632	0.759	0.759
Highlands	6166	Smoak Groves, Inc	A415	G	0.157	0.217	0.217
Highlands	6167	Edward L. Smoak, Trustee of the Edward L. Smoak Rev. Trust.	A415	G	0.089	0.166	0.166

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Highlands	6172	Bear's Den Groves, Inc	A415	G	0.002	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	0.001	0.106	0.106
Highlands	6173	Thelma C. Raley, Inc	A415	S	0.017	0.106	0.106
Highlands	6176	Cow Slough, Inc	A415	G	0.363	0.620	0.620
Highlands	6176	Cow Slough, Inc	A415	S	0.041	0.620	0.620
Highlands	6179	Smoak Groves Inc	A415	G	0.156	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	0.054	0.117	0.117
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	G	0.254	5.191	5.191
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	S	3.275	5.191	5.191
Highlands	6211	Ben Hill Griffin, Inc	A415	G	0.223	0.275	0.275
Highlands	6234	Smoak Groves, Inc	A415	G	0.068	0.095	0.095
Highlands	6320	Davis Enterprises, Inc	A415	G	0.219	0.277	0.277
Highlands	6409	Perry Cattle, LLC	A415	G	0.154	0.223	0.223
Highlands	6432	Heartland Park LLC	A415	G	0.000	0.120	0.120
Highlands	6516	Carl Wilburn	A415	G	0.064	0.154	0.154
Highlands	6827	PAI Lake Placid Groves LLC	A415	G	0.239	0.235	0.235
Highlands	6957	Scarborough Investments, Inc	A415	G	0.023	0.414	0.414
Highlands	7111	Griffin Family Limited Partnership	A415	G	0.120	0.173	0.173
Highlands	7112	Emmett & Arost Groves, LLC	A415	G	0.105	0.114	0.114
Highlands	7485	Windmill Farms Nurseries, Inc.	A415	G	0.722	0.269	0.269
Highlands	7515	South Florida Sod, Inc.	A525	G	0.169	0.319	0.319
Highlands	7540	Trust Fund Of The State Of Florida	A415	G	0.003	0.314	0.314
Highlands	7580	Beck Agricultural Holdings, LLLP	A415	G	0.021	0.451	0.451
Highlands	7615	Boston Mining Company	A415	G	0.090	0.089	0.089
Highlands	7682	Perry Mason Groves, Inc	A415	G	0.096	0.103	0.103
Highlands	7693	Lo Brothers Enterprises Inc	A415	G	0.043	0.063	0.063

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Highlands	7874	JJW Inc	A415	G	0.126	0.093	0.093
Highlands	8136	Crutchfield Groves, Inc	A415	G	0.255	0.231	0.231
Highlands	8268	Crutchfield Groves, Inc	A415	G	0.121	0.130	0.130
Highlands	8298	James Dubose	A460	G	0.008	0.037	0.037
Highlands	8394	Glenn O Murphy Partnership Ltd	A415	G	0.059	0.173	0.173
Highlands	8442	Lettuce Creek Cattle Co.& Ridgeland Ag Corp	A415	S	0.098	0.395	0.395
Highlands	8787	Stephens Groves, Inc	A415	G	0.148	0.269	0.269
Highlands	8868	Rafter T. Realty Inc	A525	G	0.000	0.269	0.269
Highlands	8957	Dressel Groves, Inc	A415	G	0.138	0.200	0.200
Highlands	9124	Pyrus Agricultural LLC	A470	G	0.063	0.355	0.355
Highlands	9167	Bob Paul, Inc	A415	G	0.051	0.193	0.193
Highlands	9174	Davis Enterprises, Inc	A415	G	0.141	0.177	0.177
Highlands	9211	Russell Grove North, Inc	A415	G	0.151	0.128	0.128
Highlands	9302	PAI Lake Placid Groves LLC	A415	G	1.469	2.006	2.006
Highlands	9380	J W Yonce & Sons Farms Inc	A415	G	0.065	0.102	0.102
Highlands	9627	Hauptmann & Thompson Company Inc	A415	G	0.114	0.171	0.171
Highlands	9710	Thelma C. Raley, Inc	A415	G	0.162	0.188	0.188
Highlands	9814	Lake Placid Holding Co	A415	G	0.106	0.120	0.120
Highlands	10027	Quality Turf LC	A525	G	0.339	0.418	0.418
Highlands	10078	The Machado Family Limited Partnership No. 1	A415	G	0.115	0.316	0.316
Highlands	10645	Perry Cattle, LLC	A415	G	0.105	0.174	0.174
Highlands	10676	Craig J. Griffith Rev. Living Trust	A415	G	0.144	0.103	0.103
Highlands	11077	Edsall Groves, Inc	A415	G	0.127	0.120	0.120
Highlands	11089	DP Partners Ltd & PGP Partners Ltd	A415	G	0.108	0.186	0.186
Highlands	11142	Perry Brothers General Partnership	A415	G	0.041	0.115	0.115
Highlands	11379	J. Ned & Tammy J. Hancock	A415	G	0.078	0.118	0.118
Highlands	11461	Barbara and Stephen Bullard	A415	G	0.119	0.189	0.189
Highlands	11724	Smoak Groves Inc	A415	G	0.171	0.227	0.227

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	12022	Goodfellas Land & Citrus, LLC	A415	G	0.108	0.135	0.135
Highlands	12025	Peter Goldstein	A415	G	0.113	0.101	0.101
Highlands	12996	Jack Paul Properties, Inc	A415	G	0.081	0.285	0.285
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.023	0.240	0.240
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	S	0.000	0.240	0.240
Highlands	13258	Smoak Groves, Inc	A415	G	0.248	0.425	0.425
Highlands	20054	Black Bear Citrus, LLC	A415	G	0.076	0.205	0.205
Highlands	20097	Robert Barben	A410	G	0.161	0.201	0.201
Highlands	20265	Germantown Citrus Partnership	A415	G	0.440	0.405	0.405
Highlands	20608	G & M Groves, Inc	A415	G	0.041	0.039	0.039
Highlands	20726	Southeast AG Management, LLC	A415	G	0.038	0.031	0.031
Highlands	20961	Compost USA of Highlands County, LLC	A415	G	0.000	0.047	0.047
<b>Highlands County Totals</b>					<b>29.953</b>	<b>Metered, mgd</b>	
					<b>7.473</b>	<b>Estimated, mgd, 331 WUPs</b>	
					<b>37.426</b>	<b>Total, mgd</b>	
Hillsborough	71	Charlie Grimes Farms, LLC	A410	G	0.008	0.020	0.020
Hillsborough	74	MS 55, LLC	A535	G	0.064	0.181	0.181
Hillsborough	74	MS 55, LLC	A535	S	0.000	0.181	0.181
Hillsborough	75	Marcus & Frances Williamson Family, LLC	A56S	G	0.045	0.118	0.118
Hillsborough	85	Strickland Properties, Ltd.	A415	G	0.000	0.029	0.029
Hillsborough	105	Lance H. Ham & Norma G. Ham Revocable Living Trust	A56F	G	0.041	0.067	0.067
Hillsborough	119	Robert Parke	A44S	G	0.000	0.040	0.040
Hillsborough	119	Robert Parke	A44S	S	0.008	0.040	0.040
Hillsborough	120	Sunripe Growers Corp	A635	G	0.111	0.074	0.074
Hillsborough	147	James R. and Jennie May Harwell	A58S	G	0.026	0.048	0.048
Hillsborough	162	Loop Farms, LLC	A56S	G	0.323	0.455	0.455
Hillsborough	179	E.W. Simmons, III and Carol Simmons	A535	G	0.172	0.188	0.188
Hillsborough	181	Helen Geraldine Mitchell	A535	G	0.037	0.071	0.071

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	182	E. W. Simmons Farms, Inc	A58S	G	0.116	0.179	0.179
Hillsborough	192	Gracepoint Plant City	A410	G	0.008	0.018	0.015
Hillsborough	201	Trapnell Road Plant City, LLC	A535	G	0.000	0.105	0.105
Hillsborough	263	Carlton Family 2012 Irrevocable Trust	A535	G	0.187	0.164	0.164
Hillsborough	274	John D Lawrence Trustee	A535	G	0.110	0.110	0.110
Hillsborough	277	Gary R & Terri L Parke	A56S	G	0.029	0.080	0.080
Hillsborough	286	Kenneth Alred	A44S	G	0.081	0.123	0.123
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	A535	G	0.694	2.241	2.241
Hillsborough	360	Astin Strawberry Property Management LLC	A535	S	0.067	2.241	2.241
Hillsborough	362	Ruby Jean Redman	A535	G	0.025	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	0.009	0.028	0.028
Hillsborough	381	G & G Farms, LLC	A535	G	0.074	0.107	0.107
Hillsborough	390	Sweet Life Farms, LLC	A535	G	0.285	0.382	0.382
Hillsborough	390	Sweet Life Farms, LLC	A535	S	0.000	0.382	0.382
Hillsborough	411	Hillsborough County Real Estate Dept	A495	G	0.000	0.277	0.277
Hillsborough	412	Double Screen Associates, LLLP	A495	G	0.000	0.128	0.128
Hillsborough	417	Ashford West, LLC	A535	G	0.020	0.048	0.048
Hillsborough	495	Bonnie Faye Wetherington Trust	A535	G	0.122	0.159	0.159
Hillsborough	500	Lacey Blue Farms, LLC	A535	G	0.000	0.050	0.050
Hillsborough	522	William and Stephanie Keene	A635	G	0.054	0.169	0.169
Hillsborough	522	William and Stephanie Keene	A635	S	0.040	0.169	0.169
Hillsborough	526	Strawberry Red Ranch LLC	A535	G	0.170	0.340	0.340
Hillsborough	530	William Keene	A535	G	0.000	0.070	0.070
Hillsborough	534	Farkas Groves, Inc	A415	G	0.000	0.031	0.031

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	535	Farkas Groves, Inc	A410	G	0.070	0.083	0.083
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	0.014	0.039	0.039
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	S	0.037	0.039	0.039
Hillsborough	605	Virginia A & Edward Zagar	A415	G	0.004	0.016	0.016
Hillsborough	650	Gladys Brown Stanaland	A535	G	0.003	0.024	0.024
Hillsborough	654	Council Bay Farms LTD	A56S	G	0.058	0.215	0.215
Hillsborough	655	Farmland Reserve Inc	A56S	G	0.031	0.693	0.693
Hillsborough	656	Suburban Land Preserve Inc	A56S	G	0.024	0.940	0.940
Hillsborough	659	Farmland Reserve, Inc	A465	G	0.835	1.940	1.940
Hillsborough	659	Farmland Reserve, Inc	A465	S	0.000	1.940	1.940
Hillsborough	660	Farmland Reserve, Inc	A56S	G	0.030	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	0.147	0.369	0.369
Hillsborough	739	Three Star Farms Inc	A535	S	0.000	0.369	0.369
Hillsborough	760	W&E Groves Land Trust	A655	G	0.289	0.241	0.241
Hillsborough	770	Franklin Properties of Hillsborough County, LLC	A655	G	0.078	0.183	0.183
Hillsborough	786	Kareyann Ellison	A655	G	0.004	0.039	0.039
Hillsborough	786	Kareyann Ellison	A655	S	0.000	0.039	0.039
Hillsborough	788	Hinton Enterprises Of Sydney Inc	A535	G	0.000	0.103	0.103
Hillsborough	788	Hinton Enterprises Of Sydney Inc	A535	S	0.063	0.103	0.103
Hillsborough	836	Elias & Lorena Gutierrez	A535	G	0.000	0.071	0.071
Hillsborough	836	Elias & Lorena Gutierrez	A535	S	0.007	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	0.018	0.042	0.042
Hillsborough	865	Marcus & Frances Williamson Family, LLC	A56S	G	0.105	0.187	0.187

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	870	Blanche S Oswald Revocable Trust	A535	G	0.036	0.053	0.053
Hillsborough	873	Stephen Lindsey	A655	G	0.000	0.090	0.090
Hillsborough	880	Sultenfuss Ltd	A415	G	0.000	0.312	0.312
Hillsborough	891	Sam Astin III & Buffy S Astin	A535	G	0.077	0.163	0.163
Hillsborough	906	EST Properties, LLC	A535	G	0.018	0.042	0.042
Hillsborough	953	Cameron Citrus Corp	A415	G	0.009	0.084	0.084
Hillsborough	953	Cameron Citrus Corp	A415	S	0.000	0.084	0.084
Hillsborough	969	Uy Q Tran, Tris D. Tran, and Hang Ngo	A470	G	0.004	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	1.236	2.498	2.498
Hillsborough	992	Hoang Le	A615	G	0.021	0.025	0.025
Hillsborough	1057	Dot Walden Farms, Inc	A495	G	0.141	0.153	0.153
Hillsborough	1063	Sultenfuss, Ltd	A415	G	0.111	0.056	0.056
Hillsborough	1067	M.D. Council & Sons, Inc.	A535	G	0.003	0.212	0.212
Hillsborough	1124	Artesian Farms Inc	A480	G	0.000	0.785	0.785
Hillsborough	1130	Astin Strawberry Property Management LLC	A535	G	0.067	0.106	0.106
Hillsborough	1217	GloFish, LLC c/o Spectrum Brands, Inc	L661	G	0.156	0.195	0.195
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	G	0.173	0.235	0.235
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	S	0.017	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	0.030	0.074	0.074
Hillsborough	1432	Three Star Farms Inc	A51S	S	0.000	0.074	0.074
Hillsborough	1444	G & G Farms, LLC	A535	G	0.134	0.245	0.245
Hillsborough	1444	G & G Farms, LLC	A535	S	0.041	0.245	0.245
Hillsborough	1445	Rocking V Ranch, LLC	A535	G	0.102	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	0.024	0.087	0.087
Hillsborough	1464	Farkas Citrus Nursery, Inc	A480	G	0.004	0.036	0.036



## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	1489	Flat Land, Inc	A535	G	0.022	0.033	0.033
Hillsborough	1504	Freda Dukes Schofield As Trustee	A470	G	0.025	0.104	0.104
Hillsborough	1544	Double Screen Associates, LLLP	A410	G	0.000	0.157	0.157
Hillsborough	1544	Double Screen Associates, LLLP	A410	S	0.000	0.157	0.157
Hillsborough	1575	Albert Quagliani Life Estate	A535	G	0.054	0.073	0.073
Hillsborough	1577	Shade Tree Investment Properties, LLC	A535	G	0.036	0.094	0.094
Hillsborough	1577	Shade Tree Investment Properties, LLC	A535	S	0.008	0.094	0.094
Hillsborough	1626	Albert M. Quagliani Trust Agreement	A535	G	0.417	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	0.000	0.065	0.065
Hillsborough	1629	Ruis Drawdy	A58S	S	0.000	0.065	0.065
Hillsborough	1646	Alan Geer	A655	G	0.000	0.096	0.096
Hillsborough	1650	G & G Farms, LLC	A535	G	0.017	0.088	0.088
Hillsborough	1782	Tampa Electric Company	A56S	G	0.150	0.364	0.364
Hillsborough	1836	Rood Family Limited Partnership	A56S	G	0.751	1.873	1.873
Hillsborough	1839	Frank Diehl	A410	G	0.028	0.112	0.112
Hillsborough	1869	Circle S Farms Ltd	A535	G	0.116	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	0.067	0.156	0.156
Hillsborough	1956	Varnum Family LTD Partnership	A490	G	0.056	0.173	0.173
Hillsborough	1960	University Of South Florida	A485	G	0.019	2.364	0.027
Hillsborough	1960	University Of South Florida	A485	S	0.000	2.364	0.027
Hillsborough	1995	Victoria Goodson	A535	G	0.132	0.080	0.080
Hillsborough	2045	Midway Investment Company, Inc	A535	G	0.049	0.306	0.306
Hillsborough	2045	Midway Investment Company, Inc	A535	S	0.000	0.306	0.306
Hillsborough	2133	A.H. and Patricia Varnum LTD Partnership	A535	G	0.124	0.202	0.202
Hillsborough	2189	HHR Development Corp	A535	G	0.000	0.065	0.065
Hillsborough	2205	Mathis Land Group, LLC	A535	G	0.025	0.027	0.027

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	2206	The Double E Corp	A415	G	0.000	0.080	0.080
Hillsborough	2291	Mattie Williams 2001 Trust; Debbie Williams Norris	A51S	G	0.025	0.066	0.066
Hillsborough	2292	Darryl Williams	A535	G	0.082	0.120	0.120
Hillsborough	2293	Mattie Williams 2001 Trust; Sherry and Michael Kirton Trstees	A51S	G	0.000	0.136	0.136
Hillsborough	2321	Griffin Investment Properties, Ltd	A535	G	0.042	0.135	0.135
Hillsborough	2322	Griffin Investment Properties, Ltd	A535	G	0.023	0.035	0.035
Hillsborough	2391	The Bailey Family Foundation of Tampa Inc	A535	G	0.033	0.051	0.051
Hillsborough	2395	George Kunchandy	A535	G	0.079	0.091	0.091
Hillsborough	2486	Circle G Farm & Ranch, LLC	A535	G	0.333	0.412	0.412
Hillsborough	2516	Astin Strawberry Property Management, LLC	A655	G	0.065	0.236	0.236
Hillsborough	2541	Marlene Mathews, Trustee	A535	G	0.037	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	0.005	0.041	0.041
Hillsborough	2564	MadMac Property Holdings, LLC	A535	G	0.041	0.213	0.213
Hillsborough	2566	Hakeem Investments Florida, LLLP	A445	G	0.001	0.077	0.077
Hillsborough	2576	Holly Lane Tree Farm, LLC	A535	G	0.036	0.080	0.080
Hillsborough	2581	Wayne G. Moss	A535	G	0.179	0.304	0.304
Hillsborough	2654	Astin Strawberry Property Management, LLC	A535	G	0.282	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	0.190	0.305	0.305
Hillsborough	2670	Donald M & Deborah L Balaban	A535	S	0.000	0.305	0.305
Hillsborough	2714	Hillsborough County BOCC	A525	G	0.247	1.897	1.897
Hillsborough	2714	Hillsborough County BOCC	A525	S	0.054	1.897	1.897
Hillsborough	2719	Larry & Judith Ennis	A535	G	0.000	0.031	0.031
Hillsborough	2719	Larry & Judith Ennis	A535	S	0.020	0.031	0.031
Hillsborough	2739	Hinton Enterprises of Sydney, Inc	A56S	G	0.058	0.092	0.092
Hillsborough	2768	Grimes Holdings, LLC	A535	G	0.039	0.079	0.079
Hillsborough	2944	Velma Newsome Rev. Trust	A535	G	0.032	0.036	0.036

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	2945	Raymond Clint Stephens	A480	G	0.004	0.006	0.006
Hillsborough	2951	Lawrence Collins	A535	G	0.011	0.036	0.036
Hillsborough	2963	Trapnell Road Plant City, LLC	A655	G	0.011	0.153	0.153
Hillsborough	2963	Trapnell Road Plant City, LLC	A655	S	0.019	0.153	0.153
Hillsborough	3011	Mark Baker	A535	G	0.001	0.047	0.047
Hillsborough	3055	Speedling, Inc	A487	G	0.069	0.302	0.296
Hillsborough	3057	Ocean Breeze Properties LLC	A470	G	0.128	0.280	0.280
Hillsborough	3060	The Kim Family Living Trust Fund, UTD	A485	G	0.000	0.008	0.008
Hillsborough	3100	L & J Citrus and Cattle LLC	A415	G	0.000	0.085	0.085
Hillsborough	3107	Sweet Life Farms, LLC	A535	G	0.069	0.096	0.096
Hillsborough	3108	The Bryant Family Trust	A470	G	0.000	0.035	0.035
Hillsborough	3123	G & G Farms, LLC	A535	G	0.131	0.223	0.223
Hillsborough	3217	Strawberry Red Ranch LLC	A535	G	0.160	0.304	0.304
Hillsborough	3217	Strawberry Red Ranch LLC	A535	S	0.000	0.304	0.304
Hillsborough	3251	Glenn and Sarah Williamson Family, LLC	A535	G	0.372	0.598	0.598
Hillsborough	3251	Glenn and Sarah Williamson Family, LLC	A535	S	0.066	0.598	0.598
Hillsborough	3262	James and Beverly Tindle	A415	G	0.000	0.013	0.013
Hillsborough	3262	James and Beverly Tindle	A415	S	0.048	0.013	0.013
Hillsborough	3293	Alderman Taylor Gloria G. et al.	A56S	G	0.000	0.022	0.022
Hillsborough	3313	Martin & Griselda Chavez	A535	G	0.080	0.094	0.094
Hillsborough	3317	Andrew B & Marcella J Scott	A415	G	0.000	0.044	0.044
Hillsborough	3330	5-D Tropical Inc	A485	G	0.046	0.054	0.054
Hillsborough	3355	Paula Fritz	A535	G	0.043	0.082	0.082
Hillsborough	3386	Tampa Electric Company	A535	G	0.149	0.111	0.111
Hillsborough	3417	Ag-Mart Produce, Inc. (Multi County w Manatee)	A56S	G	0.391	3.619	3.619
Hillsborough	3453	George H. & Patricia A. Sprouse	A535	G	0.000	0.032	0.032
Hillsborough	3453	George H. & Patricia A. Sprouse	A535	S	0.000	0.032	0.032
Hillsborough	3485	Ralph Randall Jr	A535	G	0.048	0.087	0.087

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	3562	Mark Topp	A415	G	0.001	0.009	0.009
Hillsborough	3578	Jean Fulford	A480	G	0.042	0.150	0.150
Hillsborough	3596	Sweet Life Farms, LLC	A44S	G	0.013	0.074	0.074
Hillsborough	3615	Astin Strawberry Property Management LLC	A410	G	0.030	0.106	0.106
Hillsborough	3652	George H. & Patricia A. Sprouse	A535	G	0.000	0.084	0.084
Hillsborough	3700	John & Evanett Griffin	A535	G	0.009	0.007	0.007
Hillsborough	3712	Sam Astin III & Buffy S Astin	A635	G	0.160	0.375	0.375
Hillsborough	3716	Donn W & Janet L Goodson	A535	G	0.084	0.122	0.122
Hillsborough	3725	Ferris S. and Peggy A. Waller	A535	G	0.066	0.092	0.092
Hillsborough	3741	The Montesco Group LLC	A535	G	0.042	0.106	0.106
Hillsborough	3892	Pate Family Partnership	A470	G	0.045	0.065	0.065
Hillsborough	3997	Marvin G. & Linda S. Brown, Trustees	A470	G	0.087	0.123	0.123
Hillsborough	4004	MG & SF Williamson Family, LLC	A56S	G	0.068	0.114	0.114
Hillsborough	4261	Loop Farms, LLC	A535	G	0.096	0.386	0.386
Hillsborough	4261	Loop Farms, LLC	A535	S	0.000	0.386	0.386
Hillsborough	4363	Gerald Williams	A535	G	0.015	0.024	0.024
Hillsborough	4421	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.337	0.613	0.611
Hillsborough	4483	Russell and Jamie Goodson	A470	G	0.103	0.118	0.118
Hillsborough	4485	Michael Perry	A415	G	0.000	0.014	0.014
Hillsborough	4512	Bret and Krister Hudas	A410	G	0.001	0.012	0.012
Hillsborough	4522	G & D Farms, Inc	A535	G	0.016	0.038	0.038
Hillsborough	4536	Dover Land, LLC	A535	G	0.114	0.216	0.216
Hillsborough	4622	Sweet Life Farms, LLC	A535	G	0.011	0.044	0.044
Hillsborough	4640	Sam Astin, III	A535	G	0.000	0.086	0.086
Hillsborough	4689	Council Growers Inc	A525	G	0.193	0.312	0.312
Hillsborough	4714	Tampa Electric Company	A535	G	0.000	0.429	0.429
Hillsborough	4716	Hawk Produce, Inc	A635	G	0.000	0.085	0.085
Hillsborough	4723	Berkshire Investments	A651	G	0.073	0.390	0.390

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	4748	William K. Keene And Mary Laverne Lett Keene	A535	G	0.068	0.135	0.135
Hillsborough	4758	MS 58, LLC	A535	G	0.037	0.079	0.079
Hillsborough	4778	Tomberly Farms, LLC	A535	G	0.000	0.077	0.077
Hillsborough	4821	Sydney Farms, Inc	A470	G	0.063	0.376	0.376
Hillsborough	4821	Sydney Farms, Inc	A470	S	0.000	0.376	0.376
Hillsborough	4829	Alafia Berry Farms, LLC	A535	G	0.034	0.100	0.100
Hillsborough	4829	Alafia Berry Farms, LLC	A535	S	0.036	0.100	0.100
Hillsborough	4830	Merced and Deyanira Chavez	A58S	G	0.000	0.161	0.161
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	G	0.059	0.179	0.179
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	S	0.000	0.179	0.179
Hillsborough	4878	Larry & Judith Ennis	A535	G	0.000	0.065	0.065
Hillsborough	4961	Harvey Carr	A651	G	0.008	0.082	0.082
Hillsborough	4961	Harvey Carr	A651	S	0.004	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	0.000	0.411	0.411
Hillsborough	5156	Wylie L. and Carol A. Hinton	A535	S	0.008	0.411	0.411
Hillsborough	5204	Glenn & Frances Williamson	A535	G	0.085	0.095	0.095
Hillsborough	5237	Fidel & Hilda Castillo	A470	G	0.064	0.179	0.179
Hillsborough	5248	Stine Family Partnership, Ltd	A535	G	0.001	0.063	0.063
Hillsborough	5250	Charles G. Grimes Revocable Trust	A535	G	0.019	0.051	0.051
Hillsborough	5258	MS 58, LLC	A655	G	0.052	0.152	0.152
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	G	0.189	0.219	0.219
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	S	0.101	0.219	0.219
Hillsborough	5386	MS 61, LLC	A535	G	0.085	0.233	0.233
Hillsborough	5386	MS 61, LLC	A535	S	0.001	0.233	0.233
Hillsborough	5397	McIntosh Road Dover, LLC	A58S	G	0.057	0.186	0.186
Hillsborough	5429	Lee Gillman Jr. and Dixie Varnum Gillman	A535	G	0.088	0.102	0.102

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	5429	Lee Gillman Jr. and Dixie Varnum Gillman	A535	S	0.120	0.102	0.102
Hillsborough	5787	Haynes Rd, LLC	A535	G	0.000	0.232	0.232
Hillsborough	5787	Haynes Rd, LLC	A535	S	0.000	0.232	0.232
Hillsborough	5859	Free Rider Fellowship Inc.	A480	G	0.000	0.025	0.025
Hillsborough	5944	Pinai & Chuenkamol Nomchaury	A445	G	0.000	0.004	0.004
Hillsborough	6043	Sassy Fruit Company	A415	G	0.008	0.057	0.057
Hillsborough	6060	Cecil Buzbee Farms, Inc	A525	G	0.039	0.082	0.082
Hillsborough	6095	Frances M. White	A535	G	0.025	0.253	0.253
Hillsborough	6100	City of Tampa	L715	G	0.002	0.181	0.003
Hillsborough	6130	MS 61, LLC	A535	G	0.047	0.098	0.098
Hillsborough	6138	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.044	0.051	0.051
Hillsborough	6203	Clayton Properties Group, Inc.	A56S	G	0.000	0.839	0.839
Hillsborough	6209	Homer Wall	A535	G	0.009	0.034	0.034
Hillsborough	6217	Palma Ceia Golf and Country Club, Inc.	A455	G	0.007	0.231	0.008
Hillsborough	6238	Trapnell Road Plant City, LLC	A56S	G	0.065	0.174	0.174
Hillsborough	6252	Dumke, Chad C. and Angela D.	A410	G	0.064	0.057	0.057
Hillsborough	6266	MS 55, LLC	A535	G	0.000	0.112	0.112
Hillsborough	6266	MS 55, LLC	A535	S	0.020	0.112	0.112
Hillsborough	6313	BBS Farms, Inc	A470	G	0.000	0.262	0.262
Hillsborough	6313	BBS Farms, Inc	A470	S	0.102	0.262	0.262
Hillsborough	6323	Terry Neal & Colleen Gail Fulton	A57F	G	0.014	0.054	0.054
Hillsborough	6324	Robert H. & Peggy E. Parke	A535	G	0.012	0.029	0.029
Hillsborough	6337	G. Marvin Brown Revocable Trust	A535	G	0.041	0.249	0.249
Hillsborough	6337	G. Marvin Brown Revocable Trust	A535	S	0.054	0.249	0.249
Hillsborough	6341	Cali Investments, LLC	A535	G	0.007	0.038	0.038
Hillsborough	6348	Dwight and Mary Aman	A535	G	0.000	0.101	0.101
Hillsborough	6375	Dominic and Csilla D'Agostino	A495	G	0.000	0.017	0.017
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	G	0.050	0.170	0.170

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	S	0.000	0.170	0.170
Hillsborough	6421	Jamie and Amanda Bell	A53S	G	0.015	0.032	0.032
Hillsborough	6427	Jeanette Bennett Trustee	A41S	G	0.006	0.028	0.028
Hillsborough	6428	Astin Strawberry Property Management, LLC	A53S	G	0.000	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	0.037	0.211	0.211
Hillsborough	6443	Robert L. & Gloria J. Platt	A480	S	0.007	0.211	0.211
Hillsborough	6449	Lowell Kinard	A53S	G	0.013	0.082	0.082
Hillsborough	6470	Donald & Katherine Soddors	A53S	G	0.007	0.027	0.027
Hillsborough	6479	Betty Astin	A53S	G	0.016	0.053	0.053
Hillsborough	6479	Betty Astin	A53S	S	0.023	0.053	0.053
Hillsborough	6480	Betty Astin, Trustee	A53S	G	0.070	0.164	0.156
Hillsborough	6480	Betty Astin, Trustee	A53S	S	0.016	0.164	0.156
Hillsborough	6500	Tommy Gillman, Jr. and Tommy Gillman, III	A53S	G	0.029	0.021	0.021
Hillsborough	6523	Loop Farms, LLC	A470	G	0.000	0.169	0.169
Hillsborough	6525	Mana Vuru, LLC	A58H	G	0.087	0.052	0.052
Hillsborough	6534	Simmons Properties, LLC	A41S	G	0.000	0.025	0.025
Hillsborough	6541	James S Nahas as Trustee of the Nahas Family Living Trust	A65S	G	0.037	0.075	0.075
Hillsborough	6563	Scott And Susan Dumke	A410	G	0.021	0.047	0.047
Hillsborough	6563	Scott And Susan Dumke	A410	S	0.002	0.047	0.047
Hillsborough	6622	MG & SF Williamson Family, LLC	A53S	G	0.071	0.161	0.161
Hillsborough	6627	George J. Peterson	A53S	G	0.049	0.050	0.050
Hillsborough	6678	Farmland Reserve, Inc	A65S	G	0.101	0.382	0.382
Hillsborough	6694	Michael Sayre	A53S	G	0.005	0.024	0.024
Hillsborough	6708	Strawberry Red Ranch LLC	A53S	G	0.041	0.181	0.181
Hillsborough	6743	Jimmy Garrison	A58S	G	0.000	0.044	0.044
Hillsborough	6748	Mary M Eppard	A53S	G	0.006	0.022	0.022
Hillsborough	6767	Grady & Marie B. Harrell	A470	G	0.000	0.082	0.082

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	6767	Grady & Marie B. Harrell	A470	S	0.082	0.082	0.082
Hillsborough	6768	Mary L Keene Trustee	A535	G	0.005	0.077	0.077
Hillsborough	6779	Elmer S Rogers and Margaret G Rogers	A58S	G	0.019	0.052	0.052
Hillsborough	6781	Mathis Land Group, LLC	A535	G	0.047	0.071	0.071
Hillsborough	6807	Charlie Grimes Farms, LLC	A535	G	0.000	0.049	0.049
Hillsborough	6809	Astin Strawberry Property Management, LLC	A470	G	0.019	0.130	0.130
Hillsborough	6809	Astin Strawberry Property Management, LLC	A470	S	0.006	0.130	0.130
Hillsborough	6817	Vivian C Patisaul, Trustee The Patisaul Family Trust	A58S	G	0.068	0.065	0.065
Hillsborough	6825	Darryl Williams	A535	G	0.021	0.035	0.035
Hillsborough	6831	Astin Strawberry Property Management, LLC	A535	G	0.025	0.061	0.061
Hillsborough	6849	Harold and Martha Fisher Rev Trust	A535	G	0.009	0.036	0.036
Hillsborough	6851	Robert M & Mary Jane Rogers	A480	G	0.183	0.276	0.276
Hillsborough	6860	Corrie Leroy Lariscy	A535	G	0.039	0.058	0.058
Hillsborough	6860	Corrie Leroy Lariscy	A535	S	0.000	0.058	0.058
Hillsborough	6892	Andrew Dew Leung, Yeeho Chu & Choo Kok Yeng	A56S	G	0.117	0.532	0.532
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	G	0.027	0.059	0.059
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	S	0.008	0.059	0.059
Hillsborough	7007	Astin Strawberry Property Management, LLC	A535	G	0.000	0.031	0.031
Hillsborough	7032	Stephen Schmidt	A535	G	0.043	0.092	0.092
Hillsborough	7032	Stephen Schmidt	A535	S	0.000	0.092	0.092
Hillsborough	7035	BBS Farms, Inc	A470	G	0.059	0.216	0.216
Hillsborough	7049	G & G Farms, LLC	A535	G	0.048	0.120	0.120
Hillsborough	7055	Dennis Der and Lori Ann Der	A490	G	0.000	0.027	0.027
Hillsborough	7058	Gerald Davis, Inc	A480	G	0.067	0.125	0.125
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	G	0.020	0.130	0.130
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	S	0.009	0.130	0.130
Hillsborough	7060	Charlie Grimes Farms, LLC	A535	G	0.012	0.016	0.016
Hillsborough	7082	Robert L and Barbara A Carter, Trustees	A535	G	0.053	0.139	0.139



## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Hillsborough	7083	Astin Strawberry Property Management, LLC	A655	G	0.018	0.032	0.032
Hillsborough	7084	Wish Farms Land Holdings, LLC	A535	G	0.018	0.037	0.037
Hillsborough	7102	Helen A. Parke Revocable Trust	A535	G	0.001	0.154	0.154
Hillsborough	7117	Pacific Agricultural Research Corp	A58S	G	0.055	0.139	0.139
Hillsborough	7118	Charlie Grimes Farms, LLC	A535	G	0.050	0.076	0.076
Hillsborough	7135	Brian Haftel, Trstee of the Brian Haftel 2017 Irrevocable Trust	A535	G	0.069	0.218	0.218
Hillsborough	7150	John Bugg	A535	G	0.000	0.028	0.028
Hillsborough	7183	West Properties, Inc.	A490	G	0.158	0.092	0.092
Hillsborough	7184	Manit and Nussara Piluek	A445	G	0.000	0.014	0.014
Hillsborough	7190	Dennis & Linda L Spivey	A535	G	0.169	0.209	0.209
Hillsborough	7232	Frances White	A535	G	0.164	0.307	0.307
Hillsborough	7232	Frances White	A535	S	0.000	0.307	0.307
Hillsborough	7239	Riverview Flower Farm Partnership	A480	G	0.054	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	0.113	0.146	0.146
Hillsborough	7322	William Stanford Fortner	A535	G	0.000	0.026	0.026
Hillsborough	7353	Leaford & Yvonne Shakes	A415	G	0.000	0.047	0.047
Hillsborough	7374	Willaford Edna Sue Trustee	A415	G	0.001	0.007	0.007
Hillsborough	7405	Mathis Land Group, LLC	A645	G	0.018	0.038	0.038
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	G	0.364	0.256	0.256
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	S	0.000	0.256	0.256
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	The Pamela L. Greene Rev. Living Trust	A535	G	0.022	0.060	0.060
Hillsborough	7467	Arthur Earl Staggs	A535	G	0.062	0.091	0.091
Hillsborough	7486	C.W. and Betty L. Dukes	A535	G	0.017	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

## 2021 ESTIMATED WATER USE REPORT

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Hillsborough	7512	Patricia Elliott	A535	S	0.000	0.097	0.097
Hillsborough	7516	Fidel & Hilda Castillo	A535	G	0.000	0.022	0.022
Hillsborough	7579	Moss, LLC	A535	G	0.000	0.230	0.230
Hillsborough	7640	Robert H. & Peggy E. Parke	A535	G	0.000	0.275	0.275
Hillsborough	7640	Robert H. & Peggy E. Parke	A535	S	0.000	0.275	0.275
Hillsborough	7642	Velma Ruth Johnson	A51S	G	0.013	0.106	0.106
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 Perry Stokes	A470	G	0.009	0.041	0.041
Hillsborough	7765	William E. and Judith C. Meek	A655	G	0.046	0.100	0.100
Hillsborough	7765	William E. and Judith C. Meek	A655	S	0.000	0.100	0.100
Hillsborough	7770	Fidel & Hilda Castillo	A535	G	0.206	0.220	0.220
Hillsborough	7770	Fidel & Hilda Castillo	A535	S	0.036	0.220	0.220
Hillsborough	7782	Closshey South 39 Farm, LLC	A535	G	0.063	0.081	0.081
Hillsborough	7820	Pam Dapson	A410	G	0.000	0.007	0.007
Hillsborough	7880	MS 58, LLC	A51S	G	0.046	0.123	0.123
Hillsborough	7895	GDK Land Trust	A480	G	0.096	0.347	0.347
Hillsborough	7922	Sizemore Properties, LLC	A410	G	0.014	0.027	0.027
Hillsborough	7978	Joseph R Goodson & Donna Jo Goodson	A535	G	0.017	0.027	0.027
Hillsborough	7984	Richard and Stacy DelCastillo	A535	G	0.009	0.016	0.016
Hillsborough	7993	Dale Lewis	A480	G	0.023	0.020	0.020
Hillsborough	8015	George and Patricia Sprouse	A535	G	0.014	0.029	0.029
Hillsborough	8016	Dooley Groves Inc.	A415	G	0.000	0.034	0.034
Hillsborough	8036	C. Dennis Carlton	A51S	G	0.000	0.440	0.440
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	G	0.055	0.207	0.207
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	S	0.006	0.207	0.207
Hillsborough	8077	Martin and Griselda Chavez	A470	G	0.046	0.119	0.119
Hillsborough	8110	Karon Corner, Successor Trstee of Jo Alice McDonald Rev Trust	A535	G	0.012	0.038	0.038

## 2021 ESTIMATED WATER USE REPORT

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Hillsborough	8121	William Bailey	A410	G	0.000	0.009	0.009
Hillsborough	8138	OJ Family Farms, LLC	A535	G	0.048	0.062	0.062
Hillsborough	8161	Gregory & Jennifer Shiver	A480	G	0.014	0.026	0.026
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	G	0.038	0.065	0.065
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	S	0.000	0.065	0.065
Hillsborough	8173	Astin Strawberry Property Management, LLC	A535	G	0.148	0.228	0.228
Hillsborough	8195	Marilyn and Melissa 2009 Trust	A535	G	0.250	0.312	0.312
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	G	0.011	0.144	0.144
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	S	0.079	0.144	0.144
Hillsborough	8227	Farkas Investments Inc	A415	G	0.002	0.017	0.017
Hillsborough	8342	Loop Farms, LLC	A535	G	0.202	0.498	0.489
Hillsborough	8342	Loop Farms, LLC	A535	S	0.000	0.498	0.489
Hillsborough	8373	Haggard Living Trust	A480	G	0.035	0.055	0.055
Hillsborough	8373	Haggard Living Trust	A480	S	0.064	0.055	0.055
Hillsborough	8410	41 Ruskin, LLC	A487	G	0.016	0.156	0.156
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	G	0.021	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	Tampa Electric Company	A535	G	0.000	0.371	0.371
Hillsborough	8450	Farmland Reserve, Inc	A58S	G	0.821	3.546	3.546
Hillsborough	8490	Astin Strawberry Property Management	A535	G	0.029	0.058	0.058
Hillsborough	8492	Ruis L, Linda J, David L, and Marcie K Drawdy	L660	G	0.138	0.254	0.254
Hillsborough	8497	Eljay Properties, LLP	L660	G	0.217	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	0.052	0.058	0.058
Hillsborough	8575	Edith S Knox, Trustees of Knox Living Trust	A535	G	0.134	0.056	0.056
Hillsborough	8576	Effat Youssef Revocable Trust	A415	G	0.000	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	0.001	0.011	0.011

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	8674	Martin and Griselda Chavez	A535	G	0.032	0.096	0.096
Hillsborough	8686	Fresh Pak Produce, Inc	A535	G	0.048	0.082	0.082
Hillsborough	8687	Mary L. Keene as Trustee of the William K. Keene Family Trust	A535	G	0.180	0.101	0.101
Hillsborough	8706	Hillsborough County School Board	A535	G	0.002	0.021	0.021
Hillsborough	8710	Hillsborough County School Board	A466	G	0.018	0.039	0.006
Hillsborough	8717	Hillsborough County School Board	A535	G	0.003	0.023	0.006
Hillsborough	8729	Farmland Reserve, Inc	A56S	G	0.008	1.064	1.064
Hillsborough	8793	Diaz Family Properties, LLC	L660	G	0.002	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	0.013	0.020	0.020
Hillsborough	8842	Dale Lewis	A480	G	0.045	0.042	0.042
Hillsborough	8842	Dale Lewis	A480	S	0.000	0.042	0.042
Hillsborough	8873	Sam Jr & Betty Astin	A535	G	0.109	0.179	0.179
Hillsborough	8873	Sam Jr & Betty Astin	A535	S	0.000	0.179	0.179
Hillsborough	8910	M&G Berry Farms, LLC	A535	G	0.129	0.181	0.181
Hillsborough	8916	Dale Lewis	A480	G	0.119	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	0.003	0.010	0.010
Hillsborough	8999	Hull Citrus Properties, Inc	A58S	G	0.170	0.301	0.301
Hillsborough	9019	Wayne Moss	A470	G	0.092	0.177	0.177
Hillsborough	9024	Travis Council	A56S	G	0.065	0.112	0.112
Hillsborough	9056	Wendell Brantley, Trustee	A44S	G	0.030	0.130	0.130
Hillsborough	9062	Thomas F & Ellen S Folsom	A415	G	0.000	0.039	0.039
Hillsborough	9194	MV Aquatics Inc	L660	G	0.179	0.452	0.452
Hillsborough	9224	The Charles G. Grimes, Sr. Family LTP	A535	G	0.084	0.299	0.299
Hillsborough	9238	Jose A & Teresa Chavez Hernandez	A535	G	0.006	0.052	0.052
Hillsborough	9277	Marian Jeanette Hall	A635	G	0.015	0.058	0.058

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	9278	Elias & Lorena Gutierrez	A535	G	0.013	0.044	0.044
Hillsborough	9286	Wayne Moss	A535	G	0.014	0.014	0.014
Hillsborough	9315	Wilmer E & Joyce Woodard	A535	G	0.019	0.022	0.022
Hillsborough	9323	RJJAMS, LLC	A655	G	0.054	0.053	0.053
Hillsborough	9456	Wanda M Stewart Trustee Uad 8-08	A535	G	0.019	0.085	0.085
Hillsborough	9534	Robert James & Margaret Coe Wilder	A415	G	0.000	0.013	0.013
Hillsborough	9554	Robert W. & Bette J. Allen	A655	G	0.024	0.052	0.052
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	G	0.355	0.581	0.581
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	S	0.022	0.581	0.581
Hillsborough	9598	Segrest, Inc.	L661	G	0.027	0.086	0.086
Hillsborough	9611	Valle Del Sol Properties, LLC	A535	G	0.093	0.186	0.186
Hillsborough	9625	Uleric Eugene and Martha Cowart	A415	G	0.015	0.013	0.013
Hillsborough	9633	Wish Land Futch Loop, LLC	A535	G	0.101	0.336	0.336
Hillsborough	9655	Loop Farms, LLC	A480	G	0.000	0.106	0.106
Hillsborough	9658	Keel Farms, Inc	A410	G	0.027	0.065	0.062
Hillsborough	9658	Keel Farms, Inc	A410	S	0.000	0.065	0.062
Hillsborough	9674	Charlie Grimes Farms, LLC	A535	G	0.001	0.130	0.130
Hillsborough	9701	Branch's Ranch, Inc.	A415	G	0.000	0.011	0.011
Hillsborough	9811	David R. & Joyce Stanaland Family Trust	A410	G	0.005	0.013	0.013
Hillsborough	9888	Fidel & Hilda Castillo	A535	G	0.025	0.047	0.047
Hillsborough	9908	M G and S F Williamson Family, LLC	A410	G	0.011	0.099	0.099
Hillsborough	9915	Razorback Ranch II, LLC	A415	G	0.099	0.293	0.293
Hillsborough	9936	Wimauma Grove, LLC	A535	G	0.080	0.139	0.139
Hillsborough	9948	Loop Farms, LLC	A535	G	0.076	0.217	0.217
Hillsborough	9980	Michael & Jessica Young	A535	G	0.000	0.029	0.029
Hillsborough	10003	Velma Newsome Groves, Inc	A535	G	0.019	0.035	0.035
Hillsborough	10007	Sweet Life Farms, LLC	A535	G	0.060	0.310	0.310
Hillsborough	10007	Sweet Life Farms, LLC	A535	S	0.031	0.310	0.310

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	G	0.159	0.173	0.173
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	S	0.337	0.173	0.173
Hillsborough	10021	Eljay Properties, LLP	L661	G	0.474	0.450	0.450
Hillsborough	10038	Sunripe Growers Corp	A635	G	0.042	0.068	0.068
Hillsborough	10066	Florida Acecapaders, Inc	L630	G	0.002	0.029	0.007
Hillsborough	10080	Perfection Partners, Ltd	A415	G	0.000	0.029	0.029
Hillsborough	10117	Donald M & Deborah L Balaban	A535	G	0.034	0.130	0.130
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	A470	G	0.017	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	0.067	0.093	0.093
Hillsborough	10165	Bruce Michael Lott	A58S	G	0.075	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	0.555	0.097	0.097
Hillsborough	10354	Midway Farms, LLC	A535	G	0.016	0.037	0.037
Hillsborough	10363	Gable Oaks Ranch, LLC	A495	G	0.000	0.028	0.028
Hillsborough	10363	Gable Oaks Ranch, LLC	A495	S	0.000	0.028	0.028
Hillsborough	10402	Harold F. Dukes	A535	G	0.029	0.073	0.073
Hillsborough	10431	Ronya Properties LLC	A58S	G	0.028	0.093	0.093
Hillsborough	10431	Ronya Properties LLC	A58S	S	0.003	0.093	0.093
Hillsborough	10461	Wayne G. Moss	A535	G	0.062	0.232	0.232
Hillsborough	10466	Sun City Groves, Inc.	A480	G	0.108	0.281	0.281
Hillsborough	10467	Dennis & Linda Spivey	A535	G	0.017	0.030	0.030
Hillsborough	10486	Robert D and Gwen D Aman	A415	G	0.001	0.011	0.011
Hillsborough	10629	Antonio Gutierrez and Dora N Trevino	A535	G	0.013	0.022	0.022
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	0.087	0.235	0.235
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	S	0.000	0.235	0.235

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	10738	Perfection Partners, Ltd	A415	G	0.000	0.016	0.016
Hillsborough	10755	Aman Enterprises LLC	A470	G	0.000	0.201	0.201
Hillsborough	10755	Aman Enterprises LLC	A470	S	0.000	0.201	0.201
Hillsborough	10784	William and Rebecca Wilson	A535	G	0.041	0.043	0.043
Hillsborough	10824	Keysville Road Plant City, LLC	A535	G	0.111	0.203	0.203
Hillsborough	10824	Keysville Road Plant City, LLC	A535	S	0.075	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	0.032	0.040	0.040
Hillsborough	10883	Danny Loyd and Sandra McGavin	A480	G	0.000	0.071	0.071
Hillsborough	10911	Manuel Chavez-Gutierrez and Sandra M. Chavez	A535	G	0.000	0.053	0.053
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	0.000	0.147	0.147
Hillsborough	11048	Berkshire Investments, LLC	A535	G	0.001	0.029	0.029
Hillsborough	11102	Stine Family Partnership, LTD	A535	G	0.013	0.037	0.037
Hillsborough	11164	Ashlyn Gude	A535	G	0.088	0.134	0.134
Hillsborough	11181	Tampa Electric Company	A56S	G	0.000	1.591	1.587
Hillsborough	11307	Charles L. and Norma G. Woodard	A420	G	0.018	0.010	0.010
Hillsborough	11390	Elias & Lorena Gutierrez	A535	G	0.071	0.237	0.237
Hillsborough	11390	Elias & Lorena Gutierrez	A535	S	0.001	0.237	0.237
Hillsborough	11457	Futch Properties Inc	A535	G	0.054	0.249	0.249
Hillsborough	11457	Futch Properties Inc	A535	S	0.021	0.249	0.249
Hillsborough	11474	Astin Strawberry Property Management, LLC	A535	G	0.131	0.273	0.273
Hillsborough	11491	Huntley Properties, LLC	A535	G	0.064	0.122	0.122
Hillsborough	11494	Dale Lewis	A480	G	0.247	0.125	0.125
Hillsborough	11508	The Conrad Family LP, Patricia & Raymond Conrad	A415	G	0.045	0.032	0.032
Hillsborough	11553	James R. & Cathy Ennis Townsend, Jr	A56S	G	0.011	0.070	0.070
Hillsborough	11661	C. Dennis Carlton Sr	A535	G	0.270	0.367	0.367

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	11661	C. Dennis Carlton Sr	A535	S	0.075	0.367	0.367
Hillsborough	11679	James & Gina Silas	A651	G	0.031	0.028	0.028
Hillsborough	11726	Dale Lewis	A480	G	0.336	0.273	0.273
Hillsborough	11733	John & Inell White	A535	G	0.075	0.072	0.072
Hillsborough	11751	Meribeth Sizemore Revocable Trust	A415	G	0.000	0.020	0.020
Hillsborough	11810	Everett F. and Sharon S. Prevatt	A470	G	0.000	0.208	0.208
Hillsborough	11810	Everett F. and Sharon S. Prevatt	A470	S	0.000	0.208	0.208
Hillsborough	11916	Michael and Ricky Goodson	A655	G	0.139	0.288	0.288
Hillsborough	11969	Charles G. Grimes Rev. Trust and Betty J. Grimes Rev. Trust	A535	G	0.071	0.092	0.092
Hillsborough	12030	Sizemore Farms, Inc	A535	G	0.117	0.243	0.243
Hillsborough	12077	Cherri N. Clark	A535	G	0.014	0.016	0.016
Hillsborough	12212	60 Jerry Smith, LLC	A535	G	0.005	0.101	0.101
Hillsborough	12287	Neville Clayton Davis, Jr.	A535	G	0.058	0.139	0.139
Hillsborough	12299	Jeremie W. & Samanatha K. Hayford	A410	G	0.017	0.013	0.013
Hillsborough	12315	Robert H Parke & Peggy E Parke	A535	S	0.001	0.134	0.134
Hillsborough	12329	Dover Real Estate Investments LLC	A480	G	0.087	0.102	0.102
Hillsborough	12329	Dover Real Estate Investments LLC	A480	S	0.043	0.102	0.102
Hillsborough	12333	Arthur Earl Staggs	A480	G	0.070	0.026	0.026
Hillsborough	12350	James Austin Borchard	A535	G	0.011	0.133	0.133
Hillsborough	12361	DiMare Ruskin LLC	A56S	G	0.107	0.604	0.604
Hillsborough	12363	Fancy Farms, Inc	A535	G	0.004	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	0.071	0.072	0.072
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	G	0.014	0.088	0.088
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	S	0.030	0.088	0.088
Hillsborough	12452	Goodson Family, LLLP	A655	G	0.243	0.541	0.541
Hillsborough	12480	Montesco Group, LLC	A535	G	0.069	0.125	0.125
Hillsborough	12523	UF Institute of Food and Agricultural Sciences	A520	G	0.378	0.598	0.598



## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	12538	Floyd Williams and Ann Marie Williams Rev Trust Agreements	A410	G	0.004	0.048	0.048
Hillsborough	12639	WHS Land, LLC	A480	G	0.068	0.171	0.171
Hillsborough	12787	McIntosh Road Dover, LLC	A535	G	0.072	0.163	0.163
Hillsborough	12793	S&H Mathis, LLC	A58S	G	0.019	0.071	0.071
Hillsborough	12806	Mattie Louise Williams 2001 Trust; Darryl Williams, Trustee	A535	G	0.018	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	0.045	0.041	0.041
Hillsborough	12821	Greg W. and Karen S. Lawson	A535	G	0.032	0.057	0.057
Hillsborough	12822	Fidel & Hilda Castillo	A51S	G	0.041	0.064	0.064
Hillsborough	12822	Fidel & Hilda Castillo	A51S	S	0.009	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	0.040	0.062	0.062
Hillsborough	12859	The Montesco Group, LLC	A535	G	0.023	0.028	0.028
Hillsborough	12883	L. O. Vickers	A655	G	0.008	0.034	0.034
Hillsborough	12935	Roger Gilford	A535	G	0.020	0.019	0.019
Hillsborough	12998	Carter Family Living Trust	A655	G	0.032	0.094	0.094
Hillsborough	13060	Gary A. Craig	A480	G	0.002	0.074	0.074
Hillsborough	13087	Bruce Rumph	A480	G	0.081	0.134	0.134
Hillsborough	13176	Mary Lett Keene, Trustee	A535	G	0.021	0.043	0.043
Hillsborough	13296	J. Aprile Properties, LLC	A535	G	0.047	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	0.002	0.061	0.061
Hillsborough	20000	GLH-SR 60 25, LLC	A535	G	0.034	0.041	0.041
Hillsborough	20010	Raeann Randall	A535	G	0.018	0.022	0.022
Hillsborough	20010	Raeann Randall	A535	S	0.010	0.022	0.022
Hillsborough	20019	Astin Strawberry Property Management, LLC	A535	G	0.035	0.097	0.097
Hillsborough	20034	Innovative Land Management, LLC	A410	G	0.071	0.194	0.194

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	20034	Innovative Land Management, LLC	A410	S	0.000	0.194	0.194
Hillsborough	20102	Talal Properties Ltd	A535	G	0.000	0.014	0.014
Hillsborough	20109	Astin Strawberry Property Management, LLC	A470	G	0.021	0.061	0.061
Hillsborough	20109	Astin Strawberry Property Management, LLC	A470	S	0.000	0.061	0.061
Hillsborough	20111	James S Nahas as Trustee of the Nahas Family Living Trust	A535	G	0.000	0.152	0.152
Hillsborough	20111	James S Nahas as Trustee of the Nahas Family Living Trust	A535	S	0.096	0.152	0.152
Hillsborough	20139	Rod Marvel	A470	G	0.000	0.045	0.045
Hillsborough	20150	North Park Isle Development LLC	A535	G	0.000	0.151	0.151
Hillsborough	20159	Earl C. and Dorothy R. Godwin, Trustees	A535	S	0.000	0.040	0.040
Hillsborough	20160	Hilda Castillo	A535	G	0.000	0.031	0.031
Hillsborough	20160	Hilda Castillo	A535	S	0.023	0.031	0.031
Hillsborough	20161	Terry O. and Daphne C. Ballard	A535	G	0.035	0.076	0.076
Hillsborough	20181	Oak Hammock Ranch, LLC	A410	G	0.020	0.055	0.055
Hillsborough	20228	Aristeo and Esperanza Gutierrez and Millard C. Dubose Jr.	A535	S	0.007	0.058	0.058
Hillsborough	20229	Bobbie Ann Parrish Dec of Trust & Charles D. Parrish	A535	G	0.077	0.049	0.049
Hillsborough	20231	Knights Griffin, LLC	A535	G	0.010	0.035	0.035
Hillsborough	20270	Charanji Duggal	A410	G	0.023	0.044	0.044
Hillsborough	20270	Charanji Duggal	A410	S	0.006	0.044	0.044
Hillsborough	20276	The Montesco Group, LLC	A470	G	0.000	0.048	0.048
Hillsborough	20277	Sizemore Properties, LLC.	A415	G	0.000	0.043	0.043
Hillsborough	20310	Eljay Properties, LLP	L661	G	0.153	0.211	0.211
Hillsborough	20348	North Thirty LLC	A415	G	0.000	0.047	0.047
Hillsborough	20501	George and/or Marie Lipsey	A415	G	0.000	0.018	0.018
Hillsborough	20513	Caroline A. Perocchi Revocable Trust	A535	G	0.017	0.063	0.063
Hillsborough	20513	Caroline A. Perocchi Revocable Trust	A535	S	0.040	0.063	0.063
Hillsborough	20515	Mathis Land Group, LLC	A535	G	0.020	0.028	0.028
Hillsborough	20571	William G. and Lenna Fay Stone	A535	G	0.012	0.007	0.007
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	G	0.426	1.971	1.891

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	20585	Loop Range 21 Realty, LLC	A470	S	0.000	1.971	1.891
Hillsborough	20593	Richard & Peggy Peacock	A651	G	0.041	0.094	0.094
Hillsborough	20657	Harvey F. and Janice L. Dreggors, Trustees	A535	G	0.000	0.018	0.018
Hillsborough	20674	Virginia Johnson Life Estate, W. Butler, J. Register, G. Johnson	A535	G	0.028	0.028	0.028
Hillsborough	20715	Alan Register	A51S	G	0.000	0.050	0.050
Hillsborough	20725	Airport and Hillsborough, LLC	A56S	G	0.343	0.410	0.410
Hillsborough	20972	Jose A & Teresa Chavez Hernandez	A470	G	0.062	0.188	0.188
<b>Hillsborough County Totals</b>					<b>32.718</b>	<b>Metered, mgd</b>	
					<b>7.146</b>	<b>Estimated, mgd, 320 WUPs</b>	
					<b>39.864</b>	<b>Total, mgd</b>	
Lake	1347	Tom Thayer Citrus Inc	A415	G	0.215	0.545	0.545
Lake	8090	Green Swamp Ranch LLC	A410	G	0.057	0.141	0.141
Lake	8090	Green Swamp Ranch LLC	A410	S	0.000	0.141	0.141
<b>Lake County Totals</b>					<b>0.272</b>	<b>Metered, mgd</b>	
					<b>0.564</b>	<b>Estimated, mgd, 13 WUPs</b>	
					<b>0.836</b>	<b>Total, mgd</b>	
Levy	5095	Williston Peanuts, Inc	A52S	G	2.447	2.057	2.057
Levy	5122	Whitehurst Cattle Company	A52S	G	0.122	2.671	2.671
Levy	5160	Sandlin Farms	A52S	G	0.495	1.017	1.017
Levy	6586	B&G Family Partnership LLLP	A455	G	0.210	0.456	0.456
Levy	8219	Damon & Sharon Sandlin	A52S	G	0.281	0.813	0.813
Levy	11008	Waldrep Enterprises LLLP	A495	G	0.008	0.985	0.985
Levy	11026	Brown Pelican Farms LLC	A500	G	0.923	1.485	1.485
Levy	12579	Ryan Thomas	A450	G	0.000	1.140	1.140
Levy	13339	Marshall Tree Farm, Inc	A485	G	1.394	2.436	2.436
<b>Levy County Totals</b>					<b>5.880</b>	<b>Metered, mgd</b>	
					<b>3.705</b>	<b>Estimated, mgd, 74 WUPs</b>	
					<b>9.585</b>	<b>Total, mgd</b>	

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	503	DFM Properties, LLC	A56F	G	0.041	0.875	0.867
Manatee	2933	4 Star Tomato, Inc.	A515	G	0.470	1.339	1.339
Manatee	3417	Ag-Mart Produce, Inc. (Multi County w Hillsborough)	A56S	G	0.333	3.619	3.619
Manatee	3417	Ag-Mart Produce, Inc. (Multi County w Hillsborough)	A56S	S	0.018	3.619	3.619
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	A525	G	0.283	0.459	0.243
Manatee	3796	Mosaic Fertilizer, LLC	A490	G	0.000	0.085	0.085
Manatee	3808	ATS Ag Ventures LLC	A415	G	0.046	0.153	0.153
Manatee	3832	The Arlin Taylor Ranch Limited Partnership	A56F	G	0.514	0.598	0.598
Manatee	3838	CSPR LTD	A58S	G	0.074	0.252	0.252
Manatee	3847	L3 Partnership LLP dba L3 Farms	A56F	G	1.994	6.226	6.226
Manatee	3848	Dimare Homestead Inc	A56S	G	0.954	4.802	4.802
Manatee	3853	Florida Triple 7 Ranch, LLC	A485	G	0.007	0.249	0.249
Manatee	3924	Northwest Manatee, LLC	A495	G	0.000	0.280	0.280
Manatee	3975	John Falkner, LLC	A56S	G	2.441	6.960	6.960
Manatee	4049	Sorrells Groves, Inc	A415	G	0.005	0.094	0.094
Manatee	4190	Myakka River Properties Inc	A56F	G	0.000	0.123	0.123
Manatee	4228	Peace Valley Groves, Inc	A415	G	0.152	0.281	0.281
Manatee	4309	CC Manatee Development LLC	A495	G	0.045	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	0.000	0.319	0.319
Manatee	4412	Riverview Grove Ltd	A56S	G	0.005	3.417	3.417
Manatee	4412	Riverview Grove Ltd	A56S	S	0.000	3.417	3.417
Manatee	4453	Mon Chou Peu Bull, LLC	A615	G	0.085	0.388	0.388
Manatee	4467	John Falkner, LLC	A56S	G	2.924	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	0.000	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	0.082	0.340	0.340

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	4761	Johnson-Manatee Holdings, LLC	A415	S	0.000	0.340	0.340
Manatee	4780	William, Jon and Douglas Cone	A495	G	0.000	0.430	0.430
Manatee	4789	Hunsader Farms, Inc	A56S	G	0.000	1.747	1.747
Manatee	5058	McCarlton Partners Ltd	A525	G	0.000	0.466	0.466
Manatee	5309	Cargor Partners VI-Buckeye 928 LC	A415	G	0.000	0.236	0.236
Manatee	5310	Port Manatee Land, LLC	A56F	G	0.044	0.196	0.196
Manatee	5384	Myrna A Jordan Trust	A56S	G	0.139	0.375	0.375
Manatee	5423	Florida Power & Light Company	A470	G	0.240	0.882	0.810
Manatee	5444	Manatee County School District	A56S	G	0.130	0.271	0.244
Manatee	5459	Pen Bay I, LLC	A480	G	0.000	0.053	0.053
Manatee	5461	LF Manatee, LLC	A56S	G	0.149	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	0.898	2.002	2.002
Manatee	5514	McClure Properties, LTD	A56S	G	1.390	5.985	5.985
Manatee	5599	Merced and Deyanira Chavez	A470	G	0.000	0.300	0.300
Manatee	5617	Medallion Home at Ft Hamer, LLC	A700	G	0.066	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	0.006	0.009	0.009
Manatee	5689	Farren R & Christina M Dakin	L615	G	0.233	0.412	0.412
Manatee	5693	Andy D Taylor Ranch LLC	A490	G	0.033	0.136	0.136
Manatee	6077	McClure Properties, LTD	A465	G	0.984	3.078	3.078
Manatee	6667	Heart Groves Inc	A415	G	0.188	0.733	0.733
Manatee	6668	QC Standby 5 LLC	A415	G	0.198	0.307	0.307
Manatee	6915	Janice Lee Ranch & 3B Partnership (Multi County w DeSoto)	A495	G	0.105	1.228	1.228
Manatee	6945	Mosaic Fertilizer, LLC	A415	G	0.000	0.031	0.031
Manatee	6981	Mosaic Fertilizer, LLC	A515	G	0.061	0.367	0.367
Manatee	7031	Adamatmar, LLC	A56S	G	0.000	0.318	0.318
Manatee	7085	Turner Groves Citrus Limited Partnership	A415	G	0.232	1.127	1.127

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	7350	Felton C Walker Jr	A56S	G	0.553	1.693	1.693
Manatee	7502	Big Red Bull LLC	A495	G	0.044	0.688	0.688
Manatee	7631	McClure Properties, LTD	A56F	G	0.000	0.849	0.849
Manatee	7649	Robert M. and Betty Jo Moody	A525	G	0.139	0.336	0.336
Manatee	7724	FLM, Inc	A480	G	0.080	0.927	0.927
Manatee	7846	Schroeder-Manatee Ranch, Inc	A415	G	0.000	18.238	0.319
Manatee	7846	Schroeder-Manatee Ranch, Inc	A415	S	0.000	18.238	0.319
Manatee	7891	DME Holdings, LLC	A415	G	0.219	0.402	0.402
Manatee	7998	QC Standby 5 LLC (Multi County w Hardee)	A415	G	0.347	0.465	0.465
Manatee	8102	Jordan and Jordan Inc	A415	G	0.069	0.103	0.103
Manatee	8420	James R Grainger II	A415	G	0.043	1.266	1.266
Manatee	8421	4 Star Tomato Inc	A465	G	0.796	1.253	1.253
Manatee	8638	Jefferson Manatee, LLC	A525	G	0.773	0.663	0.663
Manatee	8694	QC Manatee Groves LLC	A415	G	0.473	0.574	0.574
Manatee	8829	Whisenant Farms, Inc	A56S	G	0.034	1.278	1.278
Manatee	8904	Walker Pasture LLC	A525	G	0.379	0.516	0.516
Manatee	8912	J. Gary Russ, Cathryne Russ, & Christopher Russ	A415	G	0.014	0.168	0.168
Manatee	8987	Detwiler Farms, LLC	A535	G	0.076	0.130	0.130
Manatee	8987	Detwiler Farms, LLC	A535	S	0.000	0.130	0.130
Manatee	9014	Good Grove Investments, LLC	A415	G	1.466	1.815	1.815
Manatee	9025	John Falkner, LLC	A51S	G	0.521	1.459	1.459
Manatee	9089	FFD Land Co Inc	A56S	G	0.991	2.791	2.779
Manatee	9113	QC Standby 5 LLC	A415	G	0.208	0.157	0.157
Manatee	9227	Mosaic Fertilizer, LLC	A415	G	0.024	0.079	0.079
Manatee	9348	Elizabeth A Johnson Family Land Trust	A646	G	0.000	0.754	0.754
Manatee	9375	Byron R. Hodgkin Revocable Trust	A56S	G	0.000	0.346	0.346
Manatee	9375	Byron R. Hodgkin Revocable Trust	A56S	S	0.000	0.346	0.346
Manatee	9391	WFA Land Company, Inc	A655	G	2.476	2.779	2.779

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	9400	Desoto Ranch Estates	A655	G	0.000	0.156	0.156
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	A56S	G	0.000	0.308	0.308
Manatee	9603	Chung Shuen Farm, Inc	A56S	S	0.000	0.308	0.308
Manatee	9741	Mosaic Fertilizer LLC and CMI (Multi County w DeSoto)	A415	G	0.083	1.940	1.940
Manatee	9817	Benny Albritton, Sr	A56F	G	0.096	0.369	0.369
Manatee	9968	Priscilla Trace	A485	G	0.071	0.158	0.158
Manatee	9968	Priscilla Trace	A485	S	0.043	0.158	0.158
Manatee	10187	Prairie Creek Dairy, Inc	L615	G	0.050	0.306	0.306
Manatee	10320	Abbott Groves, LLC	A415	G	0.042	0.202	0.202
Manatee	10329	Keystone Grove Company	A415	G	0.037	0.085	0.085
Manatee	10483	Sarah Frey-Talley	A56S	G	0.063	0.440	0.440
Manatee	10487	Rutland Ranch Farms, LLC	A515	G	0.105	1.347	1.347
Manatee	10541	Jones Potato Farm Inc	A56F	G	0.176	2.259	2.259
Manatee	10758	Jordan and Jordan Inc	A415	G	0.057	0.113	0.113
Manatee	10978	T&T Environmental, LLC & Manatee County Grove A, LLC	A415	G	0.122	0.172	0.172
Manatee	11019	SMR Taylor Ranch, LLC	A56F	G	0.702	1.539	1.479
Manatee	11019	SMR Taylor Ranch, LLC	A56F	S	0.000	1.539	1.479
Manatee	11105	WFA Land Company, Inc	A56S	G	1.667	3.011	2.992
Manatee	11123	Clay Gully Ranch, LLC	A56S	G	0.000	2.186	2.186
Manatee	11125	Maggard Manatee County, LLC	A56S	G	0.000	2.488	2.488
Manatee	11167	Western Farmland, LLC	A525	G	0.856	2.941	2.941
Manatee	11167	Western Farmland, LLC	A525	S	0.000	2.941	2.941
Manatee	11287	John Falkner, LLC	A51S	G	1.777	5.224	5.224
Manatee	11293	Wish Land Wiggins Road, LLC	A535	G	0.095	0.123	0.123
Manatee	11427	Peter Old	A592	G	0.202	1.240	1.240
Manatee	11440	John Falkner, LLC	A56S	G	0.241	0.574	0.574

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	11440	John Falkner, LLC	A56S	S	0.000	0.574	0.574
Manatee	11481	Prairie Creek Dairy, Inc	A451	G	0.379	0.423	0.423
Manatee	11918	Gordon Properties, LLC	A56F	G	0.052	0.316	0.316
Manatee	11921	Goodson Farms, Inc	A56S	G	0.415	0.616	0.616
Manatee	11922	Jones Potato Farm, Inc	A515	G	0.182	1.483	1.483
Manatee	11961	Pacific Land, Ltd	A56S	G	0.768	3.852	3.852
Manatee	11963	SCF Farms Inc, Handcart Citrus and Cattle, Inc, & Harry Cortese	A56F	G	0.448	2.502	2.502
Manatee	11975	North River Partnership, LLC	A485	G	0.000	0.084	0.084
Manatee	12005	Elias Cura LLC	A525	G	0.137	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	0.000	1.121	1.121
Manatee	12154	Astin Strawberry Property Management, LLC	A56F	G	0.000	0.750	0.750
Manatee	12264	John Falkner, LLC	A56F	G	0.633	1.398	1.398
Manatee	12386	Florida Power & Light Company	A56F	G	0.152	1.000	1.000
Manatee	12428	Western Farmland, LLC	A56S	G	0.001	0.674	0.674
Manatee	12474	Mary Forristall	A485	G	0.000	0.055	0.055
Manatee	12511	Jones Potato Farm, Inc	A466	G	0.151	0.811	0.811
Manatee	12971	PJL, LLC	A410	G	0.000	0.322	0.322
Manatee	13007	Lakeshore Knolls LLC	A415	G	0.145	0.258	0.258
Manatee	13008	Lakeshore Knolls LLC	A415	G	0.123	0.200	0.200
Manatee	13011	John Falkner, LLC, Rye Ranch, LLC and Rowe Ventures, LLC	A56F	G	0.762	2.524	2.524
Manatee	13281	GTIS I VGC, LP	A495	G	0.000	0.071	0.034
Manatee	13352	North Manatee Investment, LLC	A56S	G	0.000	0.446	0.309
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	G	0.714	0.869	0.869
Manatee	20106	Parrish Road Duette, LLC	A535	G	0.200	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	0.244	0.441	0.441
Manatee	20596	Paul's Parrish, LLC	A525	G	0.248	0.334	0.334



## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	20596	Paul's Parrish, LLC	A525	S	0.000	0.334	0.334
Manatee	20946	Jones Ranch, LLC	A415	G	0.059	0.411	0.411
Manatee	20955	Haval Farms, LLC	A56S	G	0.111	1.089	1.089
Manatee	20956	IA Manatee, LLC	A56F	G	0.000	1.089	1.089
Manatee	21000	Genesis 12:7, LLC	A415	G	0.128	0.842	0.842
<b>Manatee County Totals</b>					<b>37.831</b>	<b>Metered, mgd</b>	
					<b>3.690</b>	<b>Estimated, mgd, 152 WUPs</b>	
					<b>41.521</b>	<b>Total, mgd</b>	
Marion	2183	Phoenix Sunrise, LLC	A52S	G	0.000	0.150	0.150
Marion	2697	Charlotte Weber, as Trustee	A52S	G	0.124	0.502	0.502
Marion	11602	McGinley Family LP	A52S	G	0.002	2.653	2.653
Marion	12159	AgrotecHemp Corporation	A700	G	0.000	1.073	1.073
Marion	12911	The Club at Ocala Preserve LLC	A460	G	0.050	0.223	0.073
Marion	20319	Sleepy Creek Lands LLC	A525	G	0.000	0.888	0.888
<b>Marion County Totals</b>					<b>0.176</b>	<b>Metered, mgd</b>	
					<b>2.613</b>	<b>Estimated, mgd, 55 WUPs</b>	
					<b>2.789</b>	<b>Total, mgd</b>	
Pasco	1580	SRI 2, LLC	A410	G	0.024	0.095	0.095
Pasco	1580	SRI 2, LLC	A410	S	0.003	0.095	0.095
Pasco	1636	Spray Miser International Inc	A415	G	0.000	0.177	0.177
Pasco	2413	Pasco Ranch, Inc.	A490	G	0.000	0.026	0.013
Pasco	2479	Wiregrass Ranch Inc	A525	G	0.001	0.535	0.535
Pasco	2698	Sid Larkin & Son Inc, JSL Ranch Inc, Larkin Cattle Co Inc	A495	G	0.125	0.497	0.497
Pasco	3379	Perfection Partners, Ltd	A415	G	0.000	0.079	0.079
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	County Line Road 127, LLC	A415	G	0.000	0.081	0.081

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	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	A415	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	A495	G	0.000	0.301	0.301
Pasco	6814	Keathel and Taryn Chauncey	A635	G	0.000	0.108	0.108
Pasco	7021	Magnolia Island, LLLP	A480	G	0.003	0.038	0.038
Pasco	7326	Freemarr Development, Inc. & Sunfield Homes, Inc.	A495	G	0.000	0.562	0.562
Pasco	7497	Vcare Consultants, LLC	A415	G	0.000	0.146	0.146
Pasco	7686	Angelo Iafrate, Sr	A415	G	0.008	0.094	0.094
Pasco	8737	Boarshead Ranch, LLC	A525	G	0.088	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	0.142	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	0.012	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	0.066	0.066
Pasco	11927	Will Pick LLC	A415	G	0.000	0.111	0.111
Pasco	12072	Griselda M Valdes	A525	G	0.051	0.198	0.198
Pasco	12346	La Hacienda Del Cielo LLC	A415	G	0.011	0.164	0.154
Pasco	12919	EMSM Pasco, LLC	A485	G	0.093	0.161	0.161
Pasco	13170	Angelo's Aggregate Materials Ltd	A525	G	0.000	0.579	0.575
Pasco	13171	Stony Pointe Limited Partnership	A415	G	0.000	0.178	0.178

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	20413	Frogmore Ranch, LLC	A410	G	0.268	0.475	0.475
Pasco	20682	David & Deborah Abla	A415	G	0.000	0.055	0.055
<b>Pasco County Totals</b>					<b>0.829</b>	<b>Metered, mgd</b>	
					<b>4.833</b>	<b>Estimated, mgd, 203 WUPs</b>	
					<b>5.662</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	0.008	0.131	0.131
<b>Pinellas County Totals</b>					<b>0.008</b>	<b>Metered, mgd</b>	
					<b>0.002</b>	<b>Estimated, mgd, 1 WUP</b>	
					<b>0.010</b>	<b>Total, mgd</b>	
Polk	97	Gapway Grove Corporation	A415	G	0.119	0.889	0.889
Polk	143	Mountain Lake Corporation	A415	G	0.425	3.294	0.638
Polk	170	Smith & Sons Citrus, LLC	A415	G	0.108	0.122	0.122
Polk	222	Dundee Property Holdings, LLC	A415	G	0.000	0.086	0.086
Polk	285	Lake Garfield Grove LLC	A415	G	0.093	0.110	0.110
Polk	327	Waverly Growers Cooperative	A415	G	0.000	0.099	0.099
Polk	382	L Dicks, Inc	A415	G	0.079	0.136	0.136
Polk	384	John G Wood & Associates, Inc	A490	G	0.012	0.185	0.185
Polk	423	John Perdue, Jr	A415	G	0.044	0.100	0.100
Polk	425	Jefferson Grove, LLLP	A415	G	0.058	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	0.114	0.112	0.112
Polk	430	South Property Holdings, LLC	A415	G	0.069	0.107	0.107
Polk	504	Ray-Bob Groves Inc	A415	G	0.129	0.196	0.196
Polk	551	Tom Thayer Citrus, Inc.	A415	G	0.101	0.075	0.075
Polk	683	Rohlfing Groves Company	A415	G	0.000	0.134	0.134
Polk	683	Rohlfing Groves Company	A415	S	0.000	0.134	0.134

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	693	Putnam Groves, Inc	A415	G	0.086	0.086	0.086
Polk	758	Hook-R Groves, Inc	A415	G	0.011	0.078	0.078
Polk	772	Putnam Groves, Inc	A415	G	0.386	0.442	0.442
Polk	819	Gain Inc	A415	G	0.030	0.079	0.079
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	0.074	0.073	0.073
Polk	961	Wheeler Farms, Inc	A415	G	0.000	0.206	0.206
Polk	963	Gapway Grove Corporation	A415	G	0.035	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	0.006	0.036	0.036
Polk	1109	Brent Monk & Betsy L. Monk	A415	G	0.078	0.140	0.140
Polk	1153	Ethos Produce, LLC	A415	G	0.000	0.110	0.110
Polk	1161	Lake Buffum Grove Ltd	A415	G	0.095	0.152	0.152
Polk	1207	Gapway Grove Corporation	A415	G	0.000	0.131	0.131
Polk	1252	Florida Club Polk One, LLC	A415	G	0.000	0.288	0.288
Polk	1253	Cutrale Citrus Juices USA Inc	A415	G	0.222	0.237	0.237
Polk	1300	Roger Brothers, LLLP	A415	G	0.000	0.070	0.070
Polk	1404	Ben Hill Griffin, Inc	A415	G	0.115	0.123	0.123
Polk	1420	Fetco, Inc	A415	G	0.030	0.079	0.079
Polk	1426	PH Citrus LLC	A415	G	0.161	0.150	0.150
Polk	1433	Flying V, Inc	A415	G	0.015	0.097	0.097
Polk	1455	Hutcheson Holdings, LLC	A415	G	0.024	0.122	0.122
Polk	1456	Joyful Harvest, LLC	A415	G	0.017	0.143	0.143
Polk	1467	Sunshine Fort Meade Properties, Inc	A480	G	0.100	0.102	0.102
Polk	1501	J. Henry Groves, Inc	A415	G	0.039	0.080	0.080
Polk	1660	Stenger Holdings, Inc	A415	G	0.026	0.041	0.041
Polk	1662	Misty Organics, LLC	A410	G	0.101	0.336	0.336
Polk	1664	Southeast Investments of Palm Beach County, Inc	A470	G	0.000	0.141	0.141

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	1667	Badillo Brothers, Inc	A415	G	0.057	0.082	0.082
Polk	1693	Clear Springs Land Company, LLC	A525	G	0.000	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	1823	Black Holdings, LLC	A415	G	0.077	0.154	0.154
Polk	1845	Ben Hill Griffin, Inc	A495	G	0.171	0.324	0.324
Polk	1851	David H. Wilcox	L661	G	0.438	0.446	0.446
Polk	1883	Johnston Properties, Inc	A415	G	0.122	0.179	0.179
Polk	1943	Thomas Thayer, Jr	A415	G	0.125	0.131	0.131
Polk	1955	Marianne Barwick	A415	G	0.129	0.119	0.119
Polk	1978	Atlantic Funding Ltd, LLC	A415	G	0.000	0.110	0.110
Polk	2003	Fresh Florida Oranges Inc	A415	G	0.112	0.158	0.158
Polk	2006	D.C. Cattle, Inc	A490	G	0.005	0.405	0.405
Polk	2047	Sun Grown Citrus LLC	A415	G	0.078	0.107	0.107
Polk	2057	Gabriel Groves, Inc	A415	G	0.052	0.091	0.091
Polk	2059	CUPS Coop, Inc	A415	G	0.052	0.114	0.114
Polk	2063	Scott Stevenson	A415	G	0.180	0.215	0.215
Polk	2130	Fort Family Partnership, LTD	A415	G	0.047	0.098	0.098
Polk	2132	Flying V, Inc	A415	G	0.072	0.112	0.112
Polk	2146	Thelma C. Raley, Inc	A415	G	0.246	0.308	0.308
Polk	2147	Forestar USA	A415	G	0.144	0.298	0.298
Polk	2365	South Property Holdings, LLC	A415	G	0.002	0.082	0.082
Polk	2438	Ben Hill Griffin, Inc	A415	G	0.108	0.115	0.115
Polk	2439	Lake McLeod, LLC	A495	G	0.007	0.184	0.184
Polk	2448	Ben Hill Griffin, Inc	A415	G	0.381	0.475	0.475
Polk	2466	Robert W Teston	A415	G	0.069	0.103	0.103
Polk	2470	Alico, Inc	A415	G	0.077	0.110	0.110
Polk	2501	Seibels Enterprises Inc	A415	G	0.153	0.227	0.227

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	2503	Estes Groves Inc	A415	G	0.152	0.180	0.180
Polk	2587	Flying V Inc	A415	G	0.140	0.216	0.216
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	G	0.223	3.950	3.950
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	S	0.297	3.950	3.950
Polk	2722	Hunt Bros., Inc	A415	G	0.080	0.092	0.092
Polk	2833	Valentin & Eduardo Eddie Badillo	A415	G	0.003	0.090	0.090
Polk	2873	Cemex Construction Materials Florida, LLC	A415	G	0.252	0.860	0.777
Polk	2873	Cemex Construction Materials Florida, LLC	A415	S	0.000	0.860	0.777
Polk	2989	Sunshine Agriculture, Inc	A415	G	0.325	0.214	0.214
Polk	3004	Dennis Dicks	A415	G	0.071	0.093	0.093
Polk	3040	Wheeler-Waverly Grove, LLC	A415	G	0.176	0.325	0.325
Polk	3072	6M Farms, LLC	A415	G	0.065	0.062	0.062
Polk	3072	6M Farms, LLC	A415	S	0.000	0.062	0.062
Polk	3074	Suncoast Builders of Bartow, LLC	A415	G	0.097	0.136	0.136
Polk	3147	Clear Springs Enterprises LLC	A480	G	0.134	0.478	0.278
Polk	3238	Wheeler Farms, Inc	A415	G	0.067	0.111	0.111
Polk	3439	William M. Lennon Family Trust	A415	G	0.048	0.099	0.099
Polk	3439	William M. Lennon Family Trust	A415	S	0.000	0.099	0.099
Polk	3446	Holmes Gardens Associates Ltd	A415	G	0.101	0.055	0.055
Polk	3493	Tampa Electric Company	A415	G	0.000	0.230	0.230
Polk	3499	Sand Lake Groves LLC	A415	G	0.059	0.074	0.074
Polk	3654	Imperial Polk Properties, Inc	A415	G	0.000	0.048	0.048
Polk	3675	Ow Hancock LLLP	A415	G	0.019	0.136	0.136
Polk	3735	Lo Brothers Enterprises Inc	A415	G	0.095	0.325	0.325
Polk	3806	Emery C Jr. and Vada E Etter	A415	G	0.122	0.121	0.121
Polk	3841	Sun Grown Citrus LLC	A415	G	0.011	0.026	0.026
Polk	3842	Sun Grown Citrus LLC	A415	G	1.392	1.304	1.304
Polk	3867	Ben Hill Griffin, Inc	A415	G	0.102	0.128	0.128

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	3946	Ben Hill Griffin, Inc.	A415	G	0.091	0.079	0.079
Polk	3948	Landdaly, LLC	A415	G	0.000	0.072	0.072
Polk	3962	Kyle R. & Marissa N. Story	A415	G	0.076	0.083	0.083
Polk	3963	CBM Groves Inc and Myers Grove Inc	A415	G	0.106	0.123	0.123
Polk	3972	Victor B Story Sr	A415	G	0.094	0.097	0.097
Polk	3984	Nola Land Company, Inc	A490	G	0.002	0.049	0.049
Polk	4002	Elizabeth W. Beck Credit Shelter Trust	A415	G	0.152	0.320	0.320
Polk	4026	Clay Cut LLC	A415	G	0.041	0.174	0.174
Polk	4045	SLC IRA, LLC	A415	G	0.062	0.120	0.120
Polk	4074	Ward's Nursery, Inc	A415	G	0.122	0.138	0.138
Polk	4093	Ben Hill Griffin, Inc	A415	G	0.114	0.122	0.122
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	G	0.210	0.254	0.254
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	S	0.001	0.254	0.254
Polk	4105	Wheeler Farms, Inc	A415	G	0.172	0.208	0.208
Polk	4108	PH Citrus, LLC	A415	G	0.204	0.424	0.424
Polk	4123	Wheeler Farms, Inc	A445	G	0.259	0.279	0.279
Polk	4166	SR 544, LLC	A415	G	0.141	0.315	0.315
Polk	4177	Hunt Bros, Inc	A415	G	0.000	0.010	0.010
Polk	4242	Florida Sterling Investments, LTD	A415	G	0.044	0.091	0.091
Polk	4263	Cassidy Holdings, LLC	A415	G	0.000	0.276	0.276
Polk	4285	The Ridge Irrigation Cooperative	A415	G	0.007	0.040	0.040
Polk	4286	Faribault Groves Partners	A415	G	0.100	0.096	0.096
Polk	4301	Sun Grown Citrus LLC	A415	G	0.426	0.601	0.601
Polk	4328	G Stead Groves Inc	A415	G	0.059	0.138	0.138
Polk	4331	Wheeler Farms, Inc	A415	G	0.390	0.510	0.510
Polk	4341	Ben Hill Griffin, Inc	A415	G	0.076	0.081	0.081
Polk	4345	Dole Berry Company	A410	G	1.086	1.066	1.066
Polk	4376	Alcoma Caretaking LLC	A415	G	0.420	0.755	0.755

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	4377	H R Baxter & Sons Enterprises	A415	G	0.028	0.105	0.105
Polk	4424	Putnam Groves, Inc	A415	G	0.118	0.142	0.142
Polk	4432	Hunt Bros. Inc	A415	G	0.209	0.217	0.217
Polk	4497	Gapway Grove Corporation	A415	G	0.123	0.169	0.169
Polk	4532	Thomas A. Thayer Jr	A415	G	0.052	0.092	0.092
Polk	4551	Montanez Harvesting, Inc	A415	G	0.000	0.155	0.155
Polk	4551	Montanez Harvesting, Inc	A415	S	0.000	0.155	0.155
Polk	4558	Ben Hill Griffin, Inc	A415	G	0.371	0.594	0.594
Polk	4558	Ben Hill Griffin, Inc	A415	S	0.137	0.594	0.594
Polk	4559	Ben Hill Griffin, Inc	A415	G	0.899	0.807	0.807
Polk	4560	Ben Hill Griffin, Inc	A415	G	0.315	0.443	0.443
Polk	4563	Ben Hill Griffin, Inc	A415	G	0.134	0.148	0.148
Polk	4567	Ben Hill Griffin, Inc	A415	G	0.079	0.103	0.103
Polk	4628	Hunt Bros., Inc	A415	G	0.062	0.042	0.042
Polk	4629	Ronnie's Citrus, Inc	A415	G	0.067	0.070	0.070
Polk	4634	CFM Inc.	A415	G	0.134	0.142	0.142
Polk	4766	Livingston Groves, LLC	A415	G	0.000	0.085	0.085
Polk	4810	Highland Sand, LLC	A415	G	0.224	0.424	0.424
Polk	4827	VLI Family Limited Partnership	A415	G	0.064	0.070	0.070
Polk	4831	Durrance and Sons LLC	A525	G	0.032	0.157	0.157
Polk	5008	Alico, Inc	A415	G	0.144	0.231	0.231
Polk	5010	Alico, Inc	A415	G	0.089	0.104	0.104
Polk	5011	Alico, Inc	A415	G	0.226	0.320	0.320
Polk	5013	Alico, Inc	A415	G	0.280	0.633	0.633
Polk	5013	Alico, Inc	A415	S	0.265	0.633	0.633
Polk	5014	Alico, Inc	A415	G	0.195	0.302	0.302
Polk	5014	Alico, Inc	A415	S	0.041	0.302	0.302
Polk	5015	Alico, Inc	A415	G	0.498	0.524	0.524



## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	5016	Alico, Inc	A415	G	0.103	0.292	0.292
Polk	5016	Alico, Inc	A415	S	0.175	0.292	0.292
Polk	5019	Alico, Inc	A415	G	0.417	0.419	0.419
Polk	5062	Gardinier Florida Citrus, Inc	A415	G	0.948	0.948	0.948
Polk	5086	Vonann & Myers Groves Inc, Myers Fam Liv Trust	A415	G	0.236	0.404	0.404
Polk	5098	B & D, LLC	A415	G	0.000	0.061	0.061
Polk	5120	Emery C Jr. and Vada E Etter	A415	G	0.620	0.422	0.422
Polk	5123	Hunt Bros. Inc	A415	G	0.059	0.059	0.059
Polk	5130	Fulton Keen, LLC	A415	G	0.084	0.147	0.147
Polk	5296	Ben Hill Griffin, Inc	A415	G	0.043	0.100	0.100
Polk	5394	Lake Sawyer Properties, Inc	A415	G	0.072	0.105	0.105
Polk	5396	Crews Groves Inc.	A415	G	0.237	0.231	0.231
Polk	5414	Emery C. & Vada E. Etter	A415	G	0.059	0.043	0.043
Polk	5416	Emery Etter, Jr	A415	G	0.039	0.035	0.035
Polk	5450	Hunt Bros, Inc	A415	G	0.063	0.062	0.062
Polk	5476	C.F.M., Inc	A415	G	0.244	0.290	0.290
Polk	5480	Hunt Bros. Inc	A415	G	0.084	0.073	0.073
Polk	5481	Hunt Bros., Inc	A415	G	0.023	0.193	0.193
Polk	5482	Hunt Bros. Inc	A415	G	0.199	0.268	0.268
Polk	5483	Hunt Bros., Inc	A415	G	0.086	0.137	0.137
Polk	5486	Hunt Bros. Inc	A415	G	0.080	0.092	0.092
Polk	5564	Robert Crews II	A415	G	0.007	0.071	0.071
Polk	5571	734 LMC Groves, LLC	A415	G	0.159	0.221	0.221
Polk	5572	734 LMC Groves, LLC	A415	G	0.143	0.143	0.143
Polk	5584	Sun Grown Citrus LLC	A415	G	0.081	0.110	0.110
Polk	5610	Ben Hill Griffin, Inc	A415	G	0.041	0.082	0.082
Polk	5629	Watkins Citrus & Cattle Co.	A415	G	0.151	0.142	0.142
Polk	5635	Alico, Inc	A415	G	0.395	0.315	0.315

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Polk	5636	Griffin Family Limited Partnership	A415	G	0.217	0.236	0.236
Polk	5654	Doudney Investment Co	A415	G	0.063	0.105	0.105
Polk	5669	PH Citrus LLC	A415	G	0.009	0.061	0.061
Polk	5679	South Property Holdings, LLC	A415	G	0.007	0.090	0.090
Polk	5711	C. C. Calhoun, Inc	A415	G	0.053	0.061	0.061
Polk	5739	PH Citrus, LLC	A415	G	0.067	0.091	0.091
Polk	5823	Putnam Groves, Inc	A415	G	0.224	0.318	0.318
Polk	5850	Hunt Bros. Inc	A415	G	0.267	0.334	0.334
Polk	5918	Crews Groves, Inc (Multi County w Hardee)	A490	G	0.165	0.370	0.370
Polk	6026	7L Camp Mack LLC	A415	G	0.686	1.448	1.448
Polk	6037	South Property Holdings, LLC	A415	G	0.010	0.094	0.094
Polk	6068	Rolling Meadow Ranch, Inc	A415	G	1.373	1.172	1.172
Polk	6128	Country Club of Lake Wales, Inc	A415	G	0.006	0.313	0.006
Polk	6268	Southern Citrus Nurseries, LLC	A415	G	0.150	0.220	0.220
Polk	6278	M and V, LLC	A480	G	0.067	0.124	0.124
Polk	6280	Beck Agricultural Holdings, LLLP	A415	G	0.051	0.092	0.092
Polk	6468	Robert G Stokes, Stokes Groves Inc, JK Reddler LLC	A495	G	0.157	0.340	0.340
Polk	6481	John T. Perry II	A415	G	0.056	0.082	0.082
Polk	6558	Thayer Farms, Inc	A415	G	0.588	0.313	0.313
Polk	6633	Christina P. Hooker	A415	G	0.000	0.125	0.125
Polk	6633	Christina P. Hooker	A415	S	0.000	0.125	0.125
Polk	6670	Mosaic Fertilizer LLC	A415	G	0.093	0.425	0.425
Polk	6755	Chris & Minnie Ingram	A410	G	0.000	0.159	0.159
Polk	6878	Wheeler Farms, Inc	A415	G	0.045	0.079	0.079
Polk	6890	Knight PC Holdings, LLC	A495	G	0.000	0.213	0.213
Polk	6940	6M Farms, LLC	A415	G	0.089	0.139	0.139
Polk	6995	Martin and Karen McKenna	A415	G	0.101	0.134	0.134
Polk	7000	Durrance and Sons, LLC	A525	G	0.089	0.231	0.231

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs**

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Polk	7053	Lake Hancock Partners LLLP	A415	G	0.000	0.116	0.116
Polk	7136	Davis Citrus, Inc	A415	G	0.173	0.135	0.135
Polk	7197	Douglas and Melanie Feek	A415	G	0.039	0.067	0.067
Polk	7199	South Orange Properties LLP	A415	G	0.065	0.082	0.082
Polk	7270	B & D LLC	A415	G	0.115	0.276	0.276
Polk	7375	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.041	0.116	0.116
Polk	7409	M.F.F. Operations, Inc.	A415	G	0.000	0.152	0.152
Polk	7517	Ben Hill Griffin, Inc	A415	G	0.108	0.098	0.098
Polk	7548	Ben Hill Griffin, Inc	A415	G	0.115	0.108	0.108
Polk	7570	Ambrose Grove LLC	A415	G	0.201	0.108	0.108
Polk	7573	Devane Citrus, Inc	A415	G	0.205	0.159	0.159
Polk	7654	Flying V, Inc	A415	G	0.078	0.130	0.130
Polk	7668	Ben Hill Griffin, Inc	A415	G	0.230	0.300	0.300
Polk	7670	734 LMC Groves, LLC	A415	G	0.757	0.906	0.906
Polk	7698	Ben Hill Griffin, Inc	A415	G	0.054	0.117	0.117
Polk	7789	Elliott Investments LLC	A490	G	0.071	0.150	0.150
Polk	7791	W. E. Green & Sons, Inc	A415	G	0.000	0.041	0.041
Polk	7796	Pat Wilson Inc	A490	G	0.124	0.166	0.166
Polk	7839	Griffin Family Limited Partnership	A415	G	0.098	0.103	0.103
Polk	7916	CG Citrus, LLC	A415	G	0.057	0.083	0.083
Polk	8096	Myers Groves, Inc	A415	G	0.168	0.209	0.209
Polk	8098	Myers Groves, Inc	A415	G	0.199	0.196	0.196
Polk	8119	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.061	0.170	0.170
Polk	8143	VLI Family Limited Partnership	A415	G	0.000	0.097	0.097
Polk	8206	Hazel Brannen	A415	G	0.094	0.102	0.102
Polk	8228	Ann W Jacob	A415	G	0.100	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	0.134	0.138	0.138

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	8295	Hermanns Real Estate Ventures, LLC	A410	G	0.230	0.360	0.360
Polk	8305	Ben Hill Griffin, Inc	A415	G	0.103	0.093	0.093
Polk	8357	B & B Assets, LLC	A415	G	0.000	0.101	0.101
Polk	8360	Lake Annie Grove LLC	A415	G	0.112	0.166	0.166
Polk	8367	A. Keith Davis	A415	G	0.000	0.119	0.119
Polk	8582	Thomas A. Thayer Jr	A415	G	0.129	0.097	0.097
Polk	8620	B L Lanier & Associates	A415	G	0.000	0.106	0.106
Polk	8635	Alturas Properties LLC	A415	G	0.035	0.140	0.140
Polk	8645	Imperial Tropicals, Inc	L661	G	0.127	0.174	0.174
Polk	8934	Ben Hill Griffin, Inc	A415	G	0.119	0.181	0.181
Polk	8978	Story Family Limited Partnership, LLLP	A415	G	0.100	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	0.123	0.361	0.361
Polk	9419	Alico, Inc	A415	G	0.069	0.595	0.595
Polk	9419	Alico, Inc	A415	S	0.537	0.595	0.595
Polk	9704	Lakeland Farms, Inc	A410	G	0.062	0.251	0.251
Polk	9704	Lakeland Farms, Inc	A410	S	0.086	0.251	0.251
Polk	9806	Lake Hancock Partners, LLLP	A410	G	0.109	0.126	0.126
Polk	9887	The Montesco Group, LLC	A535	G	0.000	0.145	0.145
Polk	10096	Twenty Twenty Groves Inc	A415	G	0.573	0.673	0.673
Polk	10096	Twenty Twenty Groves Inc	A415	S	0.047	0.673	0.673
Polk	10231	Morris Family Trust	A410	G	0.416	0.256	0.256
Polk	10575	Surterra Lakeland, LLC	A480	G	0.002	0.070	0.053
Polk	10598	Quality Turf LC	A525	G	0.352	0.392	0.392
Polk	10656	Stephen J. Fox, LLC	A590	G	0.015	0.120	0.116
Polk	10857	Burton Ranch, LLC	A415	G	0.045	0.053	0.053
Polk	10915	Stenger Holdings, Inc	A415	G	0.137	0.152	0.152
Polk	11031	Growers Investment Group, LLC	A415	G	0.160	0.166	0.166

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	11161	Ridge Investments, LLC	A415	G	0.075	0.091	0.091
Polk	11163	Emil Jahna	A415	G	0.080	0.100	0.100
Polk	11173	Rocker Farms Inc	A415	G	0.074	0.083	0.083
Polk	11176	Saunders Nelson, LLC	A415	G	0.038	0.074	0.074
Polk	11178	D&L Farms, Inc	A410	G	0.258	0.328	0.328
Polk	11209	Story Citrus, Inc	A415	G	0.154	0.182	0.182
Polk	11209	Story Citrus, Inc	A415	S	0.018	0.182	0.182
Polk	11219	Rolling Meadow Ranch Groves, LLC	A415	G	0.490	0.438	0.438
Polk	11229	Griffin Family Limited Partnership	A415	G	0.094	0.113	0.113
Polk	11297	Lake Isabell Partners	A415	G	0.191	0.169	0.169
Polk	11316	Livingston Groves, LLC	A415	G	0.000	0.078	0.078
Polk	11361	L & E, Inc	A415	G	0.049	0.061	0.061
Polk	11377	Norris Citrus Groves, Inc	A415	G	0.123	0.168	0.168
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	G	0.030	0.032	0.032
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	S	0.000	0.032	0.032
Polk	11533	Kathleen Farms, LLC	A535	G	0.076	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	0.045	0.144	0.144
Polk	11693	City of Lakeland Parks & Recreation Department	A485	G	0.032	0.176	0.017
Polk	11843	Family Acres, Inc	A415	G	0.018	0.136	0.136
Polk	11843	Family Acres, Inc	A415	S	0.000	0.136	0.136
Polk	11851	John L. Beck Living Trust	A415	G	0.043	0.143	0.143
Polk	11903	Hunt Bros. Inc	A415	G	0.008	0.008	0.008
Polk	12061	Hunt Bros. Inc	A415	G	0.125	0.139	0.139
Polk	12064	Hunt Bros. Inc	A415	G	0.047	0.041	0.041
Polk	12232	Citrosuco North America	A415	G	0.100	1.638	0.321
Polk	12392	PH Citrus LLC	A415	G	0.945	1.073	1.073
Polk	12446	C. C. Calhoun, Inc	A415	G	0.047	0.161	0.144

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	12459	Sara T. Lanier Revocable Living Trust	A415	G	0.000	0.140	0.140
Polk	12488	BT & JP James Land LLC	A410	G	0.206	0.305	0.305
Polk	12500	Rolling Meadow Ranch, Inc	A415	G	0.215	0.267	0.267
Polk	12574	Family Acres, Inc	A415	G	0.029	0.091	0.091
Polk	12637	Wheeler Farms, Inc	A415	G	0.095	0.133	0.133
Polk	12782	Standard Sand & Silica Company	A415	G	0.155	0.367	0.367
Polk	12782	Standard Sand & Silica Company	A415	S	0.056	0.367	0.367
Polk	12792	Quality Turf, LC	A525	G	0.047	0.198	0.198
Polk	12867	Clear Springs Enterprises LLC	A410	G	1.033	1.299	1.299
Polk	12867	Clear Springs Enterprises LLC	A410	S	0.211	1.299	1.299
Polk	12890	Heifer Hill, Inc	A415	G	0.086	0.145	0.145
Polk	13018	Ben Hill Griffin, III Family Limited Partnership, LLLP	A470	G	0.000	0.243	0.243
Polk	13062	Sun Grown Citrus LLC	A415	G	0.238	0.247	0.247
Polk	13084	South Property Holdings, LLC	A490	G	0.016	0.123	0.123
Polk	13199	Imperial Polk Properties, Inc	A415	G	0.000	0.051	0.051
Polk	13201	PH Citrus LLC	A415	G	0.061	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	0.058	0.100	0.100
Polk	13342	Evans Ranch, LLC	A410	G	0.075	0.201	0.201
Polk	13342	Evans Ranch, LLC	A410	S	0.000	0.201	0.201
Polk	20085	Quality Turf LC	A525	G	0.000	0.150	0.150
Polk	20205	Carl Grooms	A535	G	0.028	0.053	0.053
Polk	20272	Luna Berry Farms	A410	G	0.000	0.176	0.176
Polk	20272	Luna Berry Farms	A410	S	0.000	0.176	0.176
Polk	20292	Tree-O Groves, Inc	A415	G	0.085	0.098	0.098
Polk	20440	Preferred Materials, Inc	A415	G	0.000	0.150	0.150
Polk	20553	C.W. Deen Family Farm, LLC	A410	G	0.027	0.205	0.205
Polk	20553	C.W. Deen Family Farm, LLC	A410	S	0.000	0.205	0.205

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	20601	John A. Stephens, Jr.	A415	G	0.073	0.082	0.082
Polk	20613	Citrus Sinensis LLC	A415	G	0.019	0.042	0.042
Polk	20789	Nucor Steel Florida Inc	A415	G	0.221	0.670	0.273
Polk	20833	Dundee Property Holdings, LLC	A415	G	0.050	0.133	0.133
Polk	20847	Wheeler Farms, Inc	A415	G	0.103	0.107	0.107
<b>Polk County Totals</b>					<b>42.196</b>	<b>Metered, mgd</b>	
					<b>30.546</b>	<b>Estimated, 1,474 WUPs</b>	
					<b>72.742</b>	<b>Total, mgd</b>	
Sarasota	3755	Mabry Carlton Ranch Inc	A56S	G	0.083	4.190	4.190
Sarasota	3764	Longino Ranch, Inc	A525	G	0.122	1.220	1.220
Sarasota	3854	D Bar F Ranch	A490	G	0.000	0.099	0.099
Sarasota	3872	Winchester Florida Ranch, LLLP	A645	G	0.000	2.490	0.001
Sarasota	3873	Schwartz Farms Inc	A56S	G	0.740	2.181	2.181
Sarasota	3890	Grand Park Holding, LLC	A525	G	0.008	0.296	0.118
Sarasota	4087	LT Partners LLLP	A525	G	0.263	0.818	0.818
Sarasota	4387	Hi Hat Ranch, LLLP	A56S	G	0.353	2.436	2.436
Sarasota	4387	Hi Hat Ranch, LLLP	A56S	S	0.000	2.436	2.436
Sarasota	5695	Neal Communities of Southwest Florida, LLC	A495	G	0.000	0.267	0.110
Sarasota	6736	HMTA Real Estate, LLC	A525	G	0.000	0.301	0.301
Sarasota	7289	High Acres, LLC	A495	G	0.011	0.330	0.330
Sarasota	8336	SMR/MYAKKA, LLC	A50F	G	0.013	0.883	0.883
Sarasota	9361	Albritton Groves Ltd	A415	G	0.138	0.225	0.225
Sarasota	9638	McCann East, LP	A495	G	0.000	0.149	0.149
Sarasota	12275	Mote Marine Laboratory, Inc	L632	G	0.001	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	0.301	0.553	0.553
Sarasota	20192	SRQ Land, LLC	A525	G	0.161	0.724	0.724
Sarasota	20253	Steven W. & Allison Flint	A58S	G	0.000	1.189	1.189

## 2021 ESTIMATED WATER USE REPORT

**Table A-7. 2021 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	20818	Longino Ranch, Inc	A58H	G	0.202	0.674	0.674
<b>Sarasota County Totals</b>					<b>2.396</b>	<b>Metered, mgd</b>	
					<b>0.436</b>	<b>Estimated, mgd, 28 WUPs</b>	
					<b>2.832</b>	<b>Total, mgd</b>	
Sumter	2180	Sumter, LLC	A480	G	0.001	1.026	0.676
Sumter	3534	Florida Fish & Wildlife Conservation Commission	L632	G	1.386	1.991	1.991
Sumter	6838	Florida Department of Corrections	A58H	G	0.019	0.431	0.023
Sumter	8211	Flowerwood Nursery, Inc	A480	G	0.192	0.388	0.388
Sumter	10519	Barns Bits & Bridles & Equine Estates, Appaloosa Acres, Inc.	A480	G	0.239	0.456	0.456
Sumter	20244	Barbara Marsh	A495	G	0.000	0.182	0.182
Sumter	20281	CUP Properties LLC	A525	G	0.000	0.509	0.509
Sumter	20511	Walton Acquisitions FL, LLC	A52S	G	0.001	0.718	0.718
<b>Sumter County Totals</b>					<b>1.838</b>	<b>Metered, mgd</b>	
					<b>4.243</b>	<b>Estimated, mgd, 106 WUPs</b>	
					<b>6.081</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>234.111</b>	<b>Metered, mgd</b>	
					<b>88.711</b>	<b>Estimated, mgd</b>	
					<b>322.822</b>	<b>Total, mgd</b>	

Notes:  
 Eight Agricultural WUPs listed in Table A-7 above had a significant amount of withdrawals in multiple counties, so the withdrawals were split among county totals in the report.  
 WUP 2715 was split for Citrus use in both Polk (=1.004-0.427 mgd) and Hardee (+0.427 mgd) counties.  
 WUP 3275 was split for Citrus in both DeSoto (=0.699 - 0.235 mgd) and Charlotte (+0.235 mgd) counties.  
 WUP 3417 was split for Tomatoes in Manatee (0.825 - 0.391 mgd) and Hillsborough (+0.391 mgd) counties.  
 WUP 4606 was split for Sod use in both Desoto (=0.048 - 0.009 mgd) and Charlotte (+0.009) counties.  
 WUP 5918 was split for Pasture in Hardee (=0.228 - 0.165) and Citrus in Polk (+0.165) counties.  
 WUP 6915 was split for Citrus in both Manatee (=0.271-0.166 mgd) and DeSoto (+0.166 mgd) counties.  
 WUP 7998 was split for Citrus in both Manatee (=0.488 - 0.141 mgd) and Hardee (+0.141 mgd) counties.  
 WUP 9741 was split for Citrus in both DeSoto (=0.883-0.083 mgd) and Manatee (+0.083 mgd) counties.  
 Additional WUPs exist that have minor overlaps of county borders.  
 Minor rounding discrepancies may also occur in some summations of raw data.



## 2021 ESTIMATED WATER USE REPORT

Notes continued:

- 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 there may be additional withdrawals listed in another table.

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

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

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

Additional Livestock Use Codes continue on next page.

## **2021 ESTIMATED WATER USE REPORT**

### **Livestock Use Codes**

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

## 2021 ESTIMATED WATER USE REPORT

**TABLE A-8. 2021 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>	10.785	10.132	11.540	12.762	12.941	9.225	0.632	1.938	3.539	6.050	7.777	9.942
<b>Citrus</b>	1.397	1.623	2.738	2.295	3.234	1.304	0.292	0.447	0.517	2.197	1.328	1.648
<b>Desoto</b>	60.981	57.086	92.035	76.651	109.759	56.228	17.910	17.699	17.361	66.430	37.582	64.030
<b>Hardee</b>	28.376	37.409	58.882	52.500	69.231	35.213	7.801	13.630	11.793	43.900	26.481	40.692
<b>Hernando</b>	1.417	1.655	2.985	2.449	3.594	1.337	0.135	0.361	0.399	2.464	1.355	1.726
<b>*Highlands</b>	34.257	37.070	56.323	48.674	60.863	37.469	15.744	21.505	23.335	40.811	34.470	38.586
<b>Hillsborough</b>	29.196	41.710	51.162	40.495	67.326	17.866	11.354	12.847	16.682	113.501	36.318	35.234
<b>*Lake</b>	0.679	0.832	1.530	1.330	1.764	0.686	0.195	0.294	0.197	1.031	0.731	0.759
<b>*Levy</b>	5.292	5.301	11.442	15.137	26.081	10.828	11.156	7.653	4.318	7.154	4.494	6.172
<b>Manatee</b>	44.431	36.800	63.861	65.540	74.882	31.622	9.532	12.532	27.665	57.357	41.060	41.424
<b>*Marion</b>	2.378	2.707	4.856	4.160	5.813	3.350	0.239	0.417	0.589	3.765	2.333	2.841
<b>Pasco</b>	4.620	5.739	9.400	8.147	12.392	4.815	0.934	1.780	1.629	8.137	4.755	5.611
<b>Pinellas</b>	0.001	0.002	0.003	0.003	0.005	0.012	0.090	0.001	0.001	0.003	0.002	0.002
<b>*Polk</b>	61.592	68.669	124.967	97.173	140.410	64.480	20.563	35.805	35.665	97.629	57.699	71.391
<b>Sarasota</b>	1.973	1.964	3.406	5.092	7.211	3.070	0.623	0.446	0.485	2.733	3.828	3.161
<b>Sumter</b>	5.041	6.258	9.168	7.860	11.561	4.378	2.099	2.263	3.496	8.941	5.650	6.256
<b>District Total</b>	292.417	314.958	504.299	440.268	607.068	281.883	99.298	129.616	147.672	462.102	265.863	329.475
<b>Groundwater</b>	275.093	299.101	483.812	421.917	587.767	271.026	94.685	123.227	139.469	436.263	251.916	313.912
<b>Surface Water</b>	17.324	15.857	20.487	18.351	19.301	10.857	4.613	6.389	8.203	25.839	13.947	15.563

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

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

## **2021 ESTIMATED WATER USE REPORT**

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## 2021 ESTIMATED WATER USE REPORT

**Table A-9. 2021 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	2689	East Charlotte Drainage District	M976	G	0.004	2.767	0.019
Charlotte	2689	East Charlotte Drainage District	M976	S	0.005	2.767	0.019
<b>Charlotte County Totals</b>					<b>0.009</b>	<b>Metered, mgd</b>	
					<b>0.145</b>	<b>Estimated, mgd, 18 WUPs</b>	
					<b>0.154</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering WUPs in Citrus County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.031</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.031</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering WUPs in DeSoto County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.007</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.007</b>	<b>Total, mgd</b>	
Hardee	3669	Mosaic Fertilizer LLC	M940	G	0.001	6.392	6.392
Hardee <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	1.488	69.600	44.600
<b>Hardee County Totals</b>					<b>1.489</b>	<b>Metered, mgd</b>	
					<b>0</b>	<b>Estimated, mgd, 0 WUPs</b>	
					<b>1.489</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering WUPs in Hernando County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.018</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>0.018</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering WUPs in Highlands County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.010</b>	<b>Estimated, mgd, 2 WUPs</b>	
					<b>0.010</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	0.002	0.159	0.017
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	M976	S	0	0.159	0.017
Hillsborough	12836	Razorback Ranch, LLC	M965	G	0	0.496	0.093

## 2021 ESTIMATED WATER USE REPORT

**Table A-9. 2021 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	12836	Razorback Ranch, LLC	M965	S	0	0.496	0.093
Hillsborough <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	1.611	69.600	44.600
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	G	0.018	1.971	0.080
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	S	0	1.971	0.080
<b>Hillsborough County Totals</b>					<b>1.631</b>	<b>Metered, mgd</b>	
					<b>0.015</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>1.646</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering WUPs 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 WUPs 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	0.624	0.009
Manatee	11019	SMR Taylor Ranch, LLC	M976	G	0.028	1.539	0.06
Manatee	11019	SMR Taylor Ranch, LLC	M976	S	0.000	1.539	0.06
Manatee <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	2.874	69.600	44.600
<b>Manatee County Totals</b>					<b>2.903</b>	<b>Metered, mgd</b>	
					<b>0.001</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>2.904</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering WUPs in Marion 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>	
Pasco	13170	Angelo's Aggregate Materials Ltd.	M976	G	0	0.579	0.004
<b>Pasco County Totals</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.034</b>	<b>Estimated, mgd, 5 WUPs</b>	
					<b>0.034</b>	<b>Total, mgd</b>	

## 2021 ESTIMATED WATER USE REPORT

**Table A-9. 2021 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>There were no metered mining/dewatering WUPs 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	0.000	0.491	0.491
Polk	2873	Cemex Const Materials Florida, LLC	M976	G	0.027	0.860	0.083
Polk	2873	Cemex Const Materials Florida, LLC	M976	S	0.000	0.860	0.083
Polk <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	8.055	69.600	44.600
Polk <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi County)	M940	S	0.000	69.600	44.600
Polk	12076	Cemex Const Materials Florida, LLC	M976	G	0.013	0.097	0.047
Polk	12076	Cemex Const Materials Florida, LLC	M976	S	0.000	0.097	0.047
Polk	12755	Cemex Const Materials Florida, LLC	M960	G	0.073	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>8.169</b>	<b>Metered, mgd</b>	
					<b>0.095</b>	<b>Estimated, mgd, 8 WUPs</b>	
					<b>8.264</b>	<b>Total, mgd</b>	
<b>There were no metered mining/dewatering WUPs 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	0.016	0.443	0.099
<b>Sumter County Totals</b>					<b>0.016</b>	<b>Metered, mgd</b>	
					<b>0.053</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>0.069</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>14.220</b>	<b>Metered, mgd</b>	
					<b>0.426</b>	<b>Estimated, mgd</b>	
					<b>14.646</b>	<b>Total, mgd</b>	

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

## 2021 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.



## 2021 ESTIMATED WATER USE REPORT

**Table A-10. 2021 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>	0.106	0.167	0.194	0.185	0.165	0.120	0.122	0.087	0.058	0.019	0.137	0.523
<b>Citrus</b>	0.016	0.054	0.060	0.070	0.047	0.035	0.034	0.009	0.007	0	0.010	0.035
<b>Desoto</b>	0.005	0.005	0.006	0.004	0.005	0.004	0.005	0.005	0.003	0	0.008	0.031
<b>Hardee</b>	2.279	1.860	1.422	1.682	1.591	1.625	1.399	1.531	1.062	0.859	1.071	1.477
<b>Hernando</b>	0.013	0.014	0.020	0.015	0.020	0.012	0.010	0.010	0.007	0.008	0.019	0.065
<b>*Highlands</b>	0.007	0.008	0.009	0.007	0.007	0.006	0.007	0.007	0.004	0	0.012	0.049
<b>Hillsborough</b>	2.300	2.202	1.491	1.869	1.862	1.850	1.403	1.684	1.206	1.538	1.425	0.924
<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>	4.675	4.814	4.095	4.231	2.910	2.949	2.806	2.809	1.324	1.141	2.375	0.720
<b>*Marion</b>	0.024	0.020	0.014	0.014	0.013	0.013	0.012	0.009	0.008	0.002	0.003	0.013
<b>Pasco</b>	0.067	0.055	0.038	0.039	0.036	0.036	0.033	0.025	0.022	0.007	0.009	0.035
<b>Pinellas</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Polk</b>	11.599	10.176	12.122	13.673	14.078	13.962	18.672	12.584	14.705	12.455	12.758	20.436
<b>Sarasota</b>	0.003	0.003	0.003	0.002	0.002	0.002	0.003	0.002	0.002	0	0.004	0.017
<b>Sumter</b>	0.082	0.093	0.060	0.093	0.090	0.082	0.061	0.062	0.039	0.050	0.042	0.070
<b>District Total</b>	21.175	19.471	19.534	21.884	20.827	20.696	24.567	18.824	18.447	16.080	17.873	24.395
<b>Groundwater</b>	20.877	19.110	19.172	21.519	20.499	20.425	24.298	18.622	18.311	16.041	17.621	23.396
<b>Surface Water</b>	0.298	0.361	0.362	0.365	0.328	0.271	0.269	0.202	0.136	0.039	0.252	0.999

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

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

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

## **2021 ESTIMATED WATER USE REPORT**

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## 2021 ESTIMATED WATER USE REPORT

**Table A-11. 2021 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>
Charlotte	10959	Hall Family Ranch, LLC	I840	G	0.000	0.203	0.023
					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.023</b>	<b>Estimated, mgd, 5 WUPs</b>	
					<b>0.023</b>	<b>Total, mgd</b>	
Citrus	207	City of Crystal River	I840	G	0.004	0.919	0.005
Citrus	3672	Florida Power Corp DbA Duke Energy	I860	G	1.652	5.309	5.309
Citrus	11281	Metal Industries, LLC	I705	G	0.081	0.200	0.200
Citrus	20299	Heatherwood Investments, LLC	I735	G	0.000	0.077	0.077
<b>Citrus County Totals</b>					<b>1.737</b>	<b>Metered, mgd</b>	
					<b>0.219</b>	<b>Estimated, mgd, 10 WUPs</b>	
					<b>1.956</b>	<b>Total, mgd</b>	
DeSoto	70	Peace River Citrus Products, Inc	I765	G	0.252	0.400	0.400
DeSoto	6841	Desoto County BOCC	I840	G	0.343	0.822	0.822
<b>DeSoto County Totals</b>					<b>0.595</b>	<b>Metered, mgd</b>	
					<b>0.074</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>0.669</b>	<b>Total, mgd</b>	
Hardee	9731	Hardee Power Partners	I725	G	2.798	3.800	3.800
Hardee <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi-County)	I835	G	0.000	69.600	25.000
Hardee	12048	Vandolah Power Company LLC	I425	G	0.031	0.212	0.212
Hardee	12331	Classic Caladiums Inc & Smoak Groves Inc	I805	G	0.048	0.929	0.086
Hardee	13158	Mooney Family, LLC	I735	G	0.000	0.449	0.449
<b>Hardee County Totals</b>					<b>2.877</b>	<b>Metered, mgd</b>	
					<b>0.035</b>	<b>Estimated, mgd, 4 WUPs</b>	
					<b>2.912</b>	<b>Total, mgd</b>	

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## 2021 ESTIMATED WATER USE REPORT

**Table A-11. 2021 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>
Hernando	2286	Cemex Inc	I740	G	0.164	2.716	2.716
Hernando	20899	CEMEX Construction Materials Florida, LLC	I740	G	4.138	4.468	4.468
Hernando	20899	CEMEX Construction Materials Florida, LLC	I740	S	0.114	4.468	4.468
<b>Hernando County Totals</b>					<b>4.416</b>	<b>Metered, mgd</b>	
					<b>2.691</b>	<b>Estimated, mgd, 6 WUPs</b>	
					<b>7.107</b>	<b>Total, mgd</b>	
<b>There were no metered Industrial/Commercial WUPS in Highlands County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.072</b>	<b>Estimated, mgd, 11 WUPs</b>	
					<b>0.072</b>	<b>Total, mgd</b>	
Hillsborough	148	Yuengling Brewing Co of Tampa Inc	I513	G	0.307	0.666	0.666
Hillsborough	229	RCCI (Red Chamber Co Inc)	I830	G	0.183	0.214	0.214
Hillsborough	405	Tampa Seaboard, LLC	I501	G	0.000	0.100	0.100
Hillsborough	1415	Mosaic Fertilizer, LLC	I835	G	1.498	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	5.985
Hillsborough	1532	Mosaic Fertilizer, LLC	I755	S	2.583	5.985	5.985
Hillsborough	1960	University of South Florida	I840	G	1.025	2.364	1.404
Hillsborough	1960	University of South Florida	I840	S	0.010	2.364	1.404
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	2.283	3.050	3.050
Hillsborough	6233	Tampa Electric Company	I863	G	0.000	0.234	0.234
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	I477	G	0.000	0.027	0.001
Hillsborough	9658	Keel Farms, Inc	I840	G	0.001	0.065	0.002
Hillsborough	9658	Keel Farms, Inc	I840	S	0.000	0.065	0.002
Hillsborough <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi-County)	I835	G	0.255	69.600	25.000
Hillsborough	11181	Tampa Electric Company	I840	G	0.000	1.591	0.004

## 2021 ESTIMATED WATER USE REPORT

**Table A-11. 2021 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	11576	Tampa Electric Company	1472	G	0.002	0.100	0.100
Hillsborough	13131	St. Joseph's Health Care Center, Inc	1477	G	0.001	0.006	0.006
Hillsborough	13228	Mosaic Fertilizer, LLC	1720	G	0.292	4.250	4.250
Hillsborough	20215	Trademark Nitrogen, Corp	1805	G	0.226	0.206	0.206
<b>Hillsborough County Totals</b>					<b>8.673</b>	<b>Metered, mgd</b>	
					<b>0.472</b>	<b>Estimated, mgd, 51 WUPs</b>	
					<b>9.145</b>	<b>Total, mgd</b>	
<b>There were no industrial/commercial WUPs 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 WUPs in Levy County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.008</b>	<b>Estimated, mgd, 7 WUPs</b>	
					<b>0.008</b>	<b>Total, mgd</b>	
Manatee	4447	Florida Power & Light Company	1805	G	0.000	0.040	0.040
Manatee	5423	Florida Power & Light Company	1865	G	0.021	0.882	0.072
Manatee <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi-County)	1835	G	0.000	69.600	25.000
Manatee	12413	Waste Management Inc. of Florida	1805	G	0.002	0.135	0.135
Manatee	12413	Waste Management Inc. of Florida	1805	S	0.000	0.135	0.135
Manatee	20198	Lockheed Martin Corporation	1705	G	0.201	0.230	0.230
<b>Manatee County Totals</b>					<b>0.224</b>	<b>Metered, mgd</b>	
					<b>0.086</b>	<b>Estimated, mgd, 13 WUPs</b>	
					<b>0.310</b>	<b>Total, mgd</b>	
<b>There were no metered industrial/commercial WUPs in Marion County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.015</b>	<b>Estimated, mgd, 3 WUPs</b>	
					<b>0.015</b>	<b>Total, mgd</b>	
Pasco	451	Tanler Water Company	1805	G	0.112	3.514	3.514
Pasco	9087	Pasco County Utilities	1780	G	0.432	0.72	0.72

## 2021 ESTIMATED WATER USE REPORT

**Table A-11. 2021 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	G	0	0.85	0.85
Pasco	9132	Crystal Springs Preserve Inc	I735	S	0.615	0.85	0.85
Pasco	10772	Duke Energy Florida, LLC	I865	G	0.159	0.288	0.288
Pasco	12052	Shady Hills Power Company, LLC	I425	G	0.003	0.154	0.154
Pasco	12784	Order of Saint Benedict of Florida	I477	G	0.002	0.143	0.012
<b>Pasco County Totals</b>					<b>1.323</b>	<b>Metered, mgd</b>	
					<b>0.053</b>	<b>Estimated, mgd, 11 WUPs</b>	
					<b>1.376</b>	<b>Total, mgd</b>	
Pinellas	10646	Olympia Investment Group & SHS Resort	I405	G	0.046	0.040	0.036
<b>Pinellas County Totals</b>					<b>0.046</b>	<b>Metered, mgd</b>	
					<b>0.124</b>	<b>Estimated, mgd, 5 WUPs</b>	
					<b>0.170</b>	<b>Total, mgd</b>	
Polk	47	City of Lakeland	I435	G	0.551	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	0.016	0.084	0.084
Polk	260	Caribbean Distillers, LLC	I800	G	0.000	0.112	0.112
Polk	261	Hackl Enterprises, LLC	I513	G	0.000	0.006	0.006
Polk	295	City of Lakeland	I447	S	0.165	0.415	0.415
Polk	408	Citrus World, Inc	I765	G	1.456	2.139	2.139
Polk	438	U.S. Agri-Chemicals Corp	I835	G	4.702	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	1.019	2.500	2.500
Polk	610	Mosaic Fertilizer, LLC	I835	G	0.960	1.665	1.665
Polk	2834	Bartow Citrus Products, LLC	I765	G	0.025	0.385	0.385
Polk	3147	Clear Springs Enterprises LLC	I411	G	0.096	0.478	0.199
Polk	3641	AOC, LLC	I780	G	0.027	0.601	0.601
Polk	5798	Publix Super Markets Inc	I412	G	1.040	1.441	1.441

## 2021 ESTIMATED WATER USE REPORT

**Table A-11. 2021 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	5798	Publix Super Markets Inc	I412	S	0.015	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	0.152	0.300	0.300
Polk	10555	Caribbean Distillers, LLC	I780	G	0.212	0.377	0.377
Polk	10575	Surterra Lakeland, LLC	I700	G	0.000	0.070	0.005
Polk	10631	Polk County Waste & Recycling	I861	G	0.000	0.875	0.875
Polk	10700	Polk Power Partners LP	I865	G	0.322	0.761	0.761
Polk	10770	Refresco Florida, Inc	I420	G	0.532	0.900	0.900
Polk	10840	Duke Energy & U.S. Agri-Chemicals Corp	I861	G	0.789	1.700	1.700
Polk	10944	Duke Energy Florida	I861	G	1.260	17.500	17.500
Polk	10948	Orange Cogeneration Limited Partnership	I860	G	0.326	0.660	0.660
Polk <sup>5</sup>	11400	Mosaic Fertilizer, LLC (Multi-County w Sarasota)	I835	G	16.480	69.600	25.000
Polk <sup>5</sup>	11400	Mosaic Fertilizer, LLC	I835	S	0.000	69.600	25.000
Polk	11747	Tampa Electric Company	I863	G	0.845	4.300	4.300
Polk	12054	Duke Energy Florida, LLC	I861	G	1.720	2.742	2.742
Polk	12076	Cemex Construction Materials Florida, LLC	I745	G	0.014	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	0.411	1.638	1.317
Polk	12794	Sofidel America, Inc	I800	G	0.331	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	Grow Healthy Properties, LLC	I755	G	0.049	0.040	0.040
Polk	20789	Nucor Steel Florida Inc	I429	G	0.321	0.670	0.397
<b>Polk County Totals</b>					<b>33.848</b>	<b>Metered, mgd</b>	
					<b>0.523</b>	<b>Estimated, mgd, 63 WUPs</b>	
					<b>34.371</b>	<b>Total, mgd</b>	

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## 2021 ESTIMATED WATER USE REPORT

**Table A-11. 2021 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 WUPs in Sarasota County</b>					<b>0</b>	<b>Metered, mgd</b>	
					<b>0.109</b>	<b>Estimated, mgd, 9 WUPs</b>	
					<b>0.109</b>	<b>Total, mgd</b>	
Sumter	2180	Sumter, LLC	I735	G	0.000	1.026	0.350
Sumter	6838	Florida Department of Corrections	I840	G	0.339	0.431	0.408
Sumter	8193	City of Center Hill	I820	G	0.006	0.171	0.014
Sumter	11259	Sumter County Public Works Department	I805	G	0.000	0.049	0.049
Sumter	12885	Suwannee American Cement Company, LLC	I740	G	0.055	0.443	0.344
Sumter	13111	William Farkus Rev Living Trust	I735	G	0.018	0.496	0.496
Sumter	20576	SWR Properties, LLC	I735	G	0.000	0.496	0.496
<b>Sumter County Totals</b>					<b>0.418</b>	<b>Metered, mgd</b>	
					<b>0.278</b>	<b>Estimated, mgd, 15 WUPs</b>	
					<b>0.696</b>	<b>Total, mgd</b>	
<b>District Totals</b>					<b>54.157</b>	<b>Metered, mgd</b>	
					<b>4.782</b>	<b>Estimated, mgd</b>	
					<b>58.939</b>	<b>Total, mgd</b>	

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

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



## 2021 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.

I412	Cleaning and Maintenance	I701*	Closed Loop Heating and Cooling	I815	Lime Processing (Food, Fertilizer, etc.)
I423	Emission Control	I705	Aquifer Remediation	I820	Meat Packing
I425	Emission Control	I706	Water Well Contracting	I825*	Non-Power-Plant Non-Consumptive Cooling
I447	Power Plant Cooling Water Makeup	I710	Asphalt Manufacturing	I830	Perishable Food Processing
I467	Any Other Water Uses Not Listed	I720	Augmentation for Environmental	I835	Phosphate Chemical Processing
I468	Air Conditioning/Chillers	I725	Non-Power-Plant Boiler Makeup-Water	I840	Personal Sanitary Use
I469	Animals	I730	Non-Power Boiler Pollution Control	I841	Portable Use for Institutions
I470	Animal Watering	I735	Bottled Water	I845	Refrigeration
I471	Aquatic Habitat Fill	I736	Biofuels	I850	Truck Crop Packing
I472	Aquatic Habitat Water Change	I740	Cement Manufacturing	I855	Water Well Contracting
I473	Aquatic Habitat Water Replacement	I745	Cement or Cement Batch Plants	I856*	Reuse Water Quantities Received
I474	Augmentation for Aesthetic	I750	Cements or Cement Products	I857*	Reuse Water Quantities Used
I475	Fire Protection/Testing	I755	Chemical Manufacturing	I858	Water Used for Construction Purposes (Temp.)
I476	Lawn & Landscape Irrigation	I760	Citrus Packing	I859	Phosphate Gypsum Stack Closure
I477	Personal Sanitary Use	I765	Citrus Processing	I860	Power Plant Emission Control
I503	Evaporative Cooling	I770	Cleaning & Maintenance	I861	Power Plant Closed Cycle Steam Cooling
I504	Product Content	I775	Commercial Use (Car Washes, Laundry)	I862	Power Plant Once-Through Steam Cooling
I510	Product Washing	I780	Consumptive Cooling of Product	I863	Power Plant Boiler Feed and Makeup Water
I511	Product Mixing and Dilution	I785	Dilution	I864	Power Plant Personal/Sanitary
I512	Product Washing	I795	Fire Protection and Testing	I865	Power Plant Industrial-Other
I513	Process Water	I800	General Product Manufacturing	I866*	Power Plant Seawater Cooling
I519	Washing	I805	Industrial Other Uses	I867	Refrigeration
I700	Air Conditioning	I810	Lawn & Landscape Irrigation	I868	Any Other Water Uses Not Listed

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

## 2021 ESTIMATED WATER USE REPORT

**Table A-12. 2021 Metered + Estimated Industrial/Commercial Monthly Average Withdrawals (mgd/month)**

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
<b>*Charlotte</b>	0.033	0.025	0.011	0.042	0.039	0.039	0.022	0.019	0.007	0.019	0.002	0.017
<b>Citrus</b>	1.855	2.186	2.189	1.975	2.399	1.621	1.951	2.862	2.776	1.555	0.930	1.174
<b>Desoto</b>	0.783	0.476	0.734	0.694	0.587	0.702	0.678	1.223	0.474	0.421	0.432	0.819
<b>Hardee</b>	2.882	2.901	3.043	2.858	2.994	2.889	2.869	2.847	2.930	2.674	4.627	1.428
<b>Hernando</b>	6.627	5.763	5.235	7.394	6.670	9.014	6.914	7.025	7.291	7.523	8.109	7.730
<b>*Highlands</b>	0.093	0.071	0.071	0.103	0.122	0.092	0.053	0.058	0.041	0.067	0.021	0.064
<b>Hillsborough</b>	8.221	9.741	6.639	9.233	13.820	7.016	9.519	9.917	8.922	9.821	7.487	9.405
<b>*Lake</b>	0	0	0	0	0	0	0	0	0	0	0	0
<b>*Levy</b>	0.011	0.008	0.004	0.014	0.014	0.013	0.007	0.006	0.002	0.007	0.001	0.006
<b>Manatee</b>	0.386	0.351	0.306	0.373	0.342	0.331	0.263	0.287	0.240	0.308	0.244	0.294
<b>*Marion</b>	0.022	0.016	0.008	0.028	0.026	0.026	0.015	0.013	0.004	0.013	0.001	0.011
<b>Pasco</b>	1.278	1.256	1.281	1.410	1.530	1.500	1.383	1.407	1.340	1.317	1.377	1.430
<b>Pinellas</b>	0.266	0.192	0.062	0.410	0.283	0.291	0.187	0.104	0.036	0.104	0.010	0.091
<b>*Polk</b>	29.567	25.675	27.159	29.924	32.010	27.272	29.890	28.311	27.879	26.716	24.876	35.122
<b>Sarasota</b>	0.144	0.109	0.102	0.161	0.185	0.145	0.084	0.088	0.060	0.100	0.030	0.095
<b>Sumter</b>	0.843	0.766	0.689	0.827	0.880	0.718	0.596	0.670	0.543	0.675	0.542	0.614
<b>District Total</b>	53.011	49.536	47.533	55.446	61.901	51.669	54.431	54.837	52.545	51.320	48.689	58.300
<b>Groundwater</b>	50.056	45.241	46.318	51.193	57.355	50.637	50.653	50.528	48.612	46.793	45.320	53.812
<b>Surface Water</b>	2.955	4.295	1.215	4.253	4.546	1.032	3.778	4.309	3.933	4.527	3.369	4.488

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

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

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

## 2021 ESTIMATED WATER USE REPORT

**Table A-13. 2021 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.)	0.006	0.027	0.027
<b>Charlotte County Totals</b>					<b>0.006</b>	<b>Total, mgd</b>	
Citrus	7823	College of Central Florida	N484	G (est.)	0.002	0.011	0.011
Citrus	8849	Citrus County BOCC	N490	G (est.)	0.001	0.002	0.001
Citrus	13290	Citrus County	N484	G (est.)	0.001	0.003	0.003
<b>Citrus County Totals</b>					<b>0.004</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in DeSoto County</b>							
Hardee	145	COCC, Inc.	N498	G (est.)	0.000	0.012	0.002
Hardee	9550	Florida Department of Corrections	N499	G (metered)	0.237	0.283	0.283
Hardee	11189	Second Mineral, LLC	N487	G (metered)	0.000	0.284	0.000
Hardee	11858	SF III Wauchula REO, LLC	N484	G (metered)	0.000	0.141	0.141
Hardee	11858	SF III Wauchula REO, LLC	N484	S (metered)	0.000	0.141	0.141
<b>Hardee County Totals</b>					<b>0.237</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in Hernando County</b>							
Highlands	9144	Highlands County School Board	N484	G (est.)	0.003	0.015	0.015
Highlands	9494	Highlands County School Board	N485	G (est.)	0.002	0.010	0.010
Highlands	10569	Highlands County School Board	N484	G (est.)	0.003	0.013	0.013
<b>Highlands County Totals</b>					<b>0.008</b>	<b>Total, mgd</b>	
Hillsborough	354	Pinellas County Utilities Dept	0508	G (metered)	0.000	0.220	0.220
Hillsborough	1857	Hillsborough Co School Board	N484	G (metered)	0.004	0.082	0.082
Hillsborough	6580	Hillsborough Co BOCC Fire Rescue	N499	G (est.)	0.000	0.001	0.001
Hillsborough	8066	First United Methodist Church of Lutz, Inc	N484	G (est.)	0.001	0.003	0.003
Hillsborough	8717	Hillsborough Co School Board	N499	G (metered)	0.009	0.023	0.017
Hillsborough	8722	Hillsborough Co School Board	N499	G (est.)	0.005	0.027	0.024
Hillsborough	10977	Florida Dept of Juvenile Justice	N499	G (est.)	0.001	0.005	0.005
Hillsborough	11139	Richard and Karalyn Maestrelli	0508	G (metered)	0.000	0.107	0.107

## 2021 ESTIMATED WATER USE REPORT

**Table A-13. 2021 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>
Hillsborough	11425	John and Christine Romer	0508	G (metered)	0.017	0.130	0.130
Hillsborough	11586	Veterans Administration Hospital	N484	G (est.)	0.000	0.005	0.005
Hillsborough	11986	St. Joseph's Hospital, Inc.	N486	G (metered)	0.114	0.192	0.192
Hillsborough	20390	Hillsborough County Hospital Authority	N486	G (est.)	0.000	0.002	0.002
Hillsborough	20574	Southwest Florida Water Management District	0508	G (metered)	0.000	2.071	2.071
Hillsborough	20802	City of Tampa	0508	S (metered)	0.794	7.100	7.100
Hillsborough	20913	H. Lee Moffitt Cancer Center & Research Institute	N486	G (est.)	0.046	0.099	0.099
<b>Hillsborough County Totals</b>					<b>0.991</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in Lake County</b>							
Levy	9610	Solera, LLC	N485	G (est.)	0.001	0.003	0.003
<b>Levy County Totals</b>					<b>0.001</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in Manatee County</b>							
Marion	6888	Marion County School Board	N499	G (est.)	0.015	0.071	0.071
<b>Marion County Totals</b>					<b>0.015</b>	<b>Total, mgd</b>	
Pasco	2296	Saint Leo University, Inc	N499	G (metered)	0.168	0.392	0.392
Pasco	4649	Pinellas County Utilities Dept.	N499	G (metered)	0.000	0.800	0.001
Pasco	4649	Pinellas County Utilities Dept.	0508	G (metered)	0.231	0.800	0.799
Pasco	4986	Pasco County School Board (Pasco High School)	N485	G (est.)	0.003	0.013	0.013
Pasco	11127	Tampa Bay Water	0508	G (metered)	0.107	0.498	0.498
Pasco	11129	Tampa Bay Water	0508	G (metered)	0.000	0.416	0.416
Pasco	11558	Pinellas County Utilities Dept.	0508	G (metered)	0.929	1.343	1.343
Pasco	13348	Pasco County BOCC	0508	S (metered)	0.142	0.180	0.180
Pasco	20500	Dillard Cattle Company, LLC	0508	G (metered)	0.335	1.540	1.540
Pasco	20987	BayCare Health System, Inc.	N499	G (est.)	0.000	0.002	0.002
<b>Pasco County Totals</b>					<b>1.915</b>	<b>Total, mgd</b>	
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## 2021 ESTIMATED WATER USE REPORT

**Table A-13. 2021 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>
Pinellas	13276	Johns Hopkins All Children's Hospital, Inc	N486	G (metered)	0.003	0.019	0.019
Pinellas	20775	Trustees of Mease Hospital, Inc	N486	G (est.)	0.000	0.006	0.006
<b>Pinellas County Totals</b>					<b>0.003</b>	<b>Total, mgd</b>	
Polk	494	Florida Dept of Corrections	N499	G (metered)	0.197	0.253	0.253
Polk	3821	U.S. Chelonian Breeding & Research Center, Inc	O509	G (est.)	0.086	0.222	0.222
Polk	6004	Bridge Cranes of America, LLC	N499	G (est.)	0.000	0.001	0.001
Polk	6559	Alcoma Properties Ltd	O510	G (est.)	0.000	0.000	0.000
Polk	6813	FL Fish & Wildlife Conservation Commission	N490	G (est.)	0.000	0.002	0.002
Polk	20753	Vanguard School of Lake Wales	N499	G (est.)	0.008	0.039	0.039
<b>Polk County Totals</b>					<b>0.292</b>	<b>Total, mgd</b>	
Sarasota	9483	School Board of Sarasota County	N485	G (est.)	0.011	0.050	0.050
Sarasota	12842	Sarasota County Public Hospital Board	N499	G (est.)	0.000	0.001	0.001
Sarasota	20896	Sarasota County Public Hospital District	N486	G (metered)	0.026	0.109	0.109
<b>Sarasota County Totals</b>					<b>0.037</b>	<b>Total, mgd</b>	
<b>There were no Institutional or "Other" WUPs in Sumter County</b>							
<b>District Totals</b>					<b>3.314</b>	<b>Metered, mgd</b>	
					<b>0.195</b>	<b>Estimated, mgd</b>	
					<b>3.509</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 specifies 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
- 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.

## **2021 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:**

0508	Augmentation for Environmental	0509	Water for Aquatic Habitats	0510	Other "Other" Uses
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## 2021 ESTIMATED WATER USE REPORT

**Table A-14. 2021 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>	0.004	0.018	0.005	0.002	0.005	0.005	0.001	0.003	0.012	0.008	0.005	0.001
<b>Citrus</b>	0.003	0.010	0.003	0.002	0.003	0.003	0.001	0.002	0.006	0.004	0.003	0.001
<b>Desoto</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>Hardee</b>	0.107	0.206	0.238	0.237	0.225	0.239	0.256	0.262	0.270	0.267	0.273	0.269
<b>Hernando</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>*Highlands</b>	0.005	0.026	0.007	0.004	0.007	0.007	0.002	0.004	0.017	0.011	0.007	0.002
<b>Hillsborough</b>	0.083	0.119	0.121	2.356	3.671	3.870	0.344	0.189	0.155	0.141	0.131	0.153
<b>*Lake</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>*Levy</b>	0.000	0.002	0.001	0.000	0.001	0.001	0.000	0.000	0.001	0.001	0.001	0.000
<b>Manatee</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>*Marion</b>	0.010	0.047	0.013	0.006	0.013	0.012	0.003	0.007	0.031	0.020	0.013	0.004
<b>Pasco</b>	2.233	2.301	2.316	1.474	3.385	3.498	2.201	2.441	0.683	0.841	1.432	0.170
<b>Pinellas</b>	0.010	0.010	0.003	0.003	0.003	0.003	0.001	0.000	0.000	0.000	0.001	0.000
<b>*Polk</b>	0.230	0.403	0.315	0.300	0.314	0.423	0.290	0.315	0.224	0.269	0.222	0.199
<b>Sarasota</b>	0.007	0.034	0.010	0.005	0.010	0.009	0.002	0.005	0.324	0.027	0.009	0.003
<b>Sumter</b>	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
<b>District Total</b>	2.692	3.176	3.032	4.389	7.637	8.070	3.101	3.228	1.723	1.589	2.097	0.802
<b>Groundwater</b>	2.692	3.176	3.019	2.146	4.105	4.343	2.889	2.186	1.489	1.518	1.949	0.802
<b>Surface Water</b>	0.000	0.000	0.013	2.243	3.532	3.727	0.212	1.042	0.234	0.071	0.148	0.000

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

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

## **2021 ESTIMATED WATER USE REPORT**

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**2021 ESTIMATED WATER USE REPORT**

**APPENDIX B**

**2021 METERED + ESTIMATED ANNUAL AVERAGE  
GROUNDWATER & SURFACE WATER WITHDRAWALS**

## 2021 ESTIMATED WATER USE REPORT

**Table B-1. 2021 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	4.778	0.023	0.004	5.956	0.742	0.006	11.509
Citrus	1.543	1.956	0.014	14.621	2.863	0.004	21.001
Desoto	55.019	0.669	0.001	4.547	0.133	0	60.369
Hardee	35.444	2.912	1.489	1.286	0.116	0.237	41.484
Hernando	1.624	6.993	0.013	21.500	3.217	0	33.347
*Highlands	33.073	0.072	0.001	8.453	2.063	0.008	43.670
Hillsborough	37.482	6.531	1.634	80.163	8.526	0.197	134.533
*Lake	0.836	0	0	0	0	0	0.836
*Levy	9.585	0.008	0	0.853	0.180	0.001	10.627
Manatee	41.357	0.303	2.904	15.114	9.341	0	69.019
*Marion	2.789	0.015	0.012	12.356	2.370	0.015	17.557
Pasco	5.637	0.761	0.002	54.439	2.699	1.773	65.311
Pinellas	0.010	0.170	0	24.216	2.070	0.003	26.469
*Polk	70.112	34.179	8.210	79.094	7.437	0.292	199.324
Sarasota	2.724	0.089	0	22.643	7.706	0.037	33.199
Sumter	6.081	0.673	0.035	18.605	3.135	0	28.529
<b>GW Subtotals</b>	<b>308.094</b>	<b>55.354</b>	<b>14.319</b>	<b>363.846</b>	<b>52.598</b>	<b>2.573</b>	<b>796.784</b>
<b>% of GW</b>	<b>39%</b>	<b>7%</b>	<b>2%</b>	<b>46%</b>	<b>7%</b>	<b>0%</b>	<b>100%</b>
<b>SURFACE WATER (24%)</b>							
*Charlotte	3.573	0	0.153	3.558	0.948	0	8.232
Citrus	0.044	0	0.017	0	0.151	0	0.212
Desoto	0.966	0	0.006	26.936	0	0	27.908
Hardee	0.451	0	0	0	0	0	0.451
Hernando	0.032	0.114	0.005	0	0	0	0.151
*Highlands	4.353	0	0.009	0.004	0.001	0	4.367
Hillsborough	2.382	2.612	0.012	153.422	0.606	0.794	159.828
*Lake	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0
Manatee	0.164	0.000	0	37.353	0.517	0	38.034
*Marion	0	0	0	0	0	0	0
Pasco	0.025	0.615	0.031	0	0.234	0.142	1.047
Pinellas	0	0	0	0	1.159	0	1.159
*Polk	2.630	0.191	0.056	0.001	0.245	0	3.123
Sarasota	0.108	0.004	0.004	0.603	1.500	0	2.219
Sumter	0	0.023	0.034	8.456	0	0	8.513
<b>District SW</b>	<b>14.728</b>	<b>3.559</b>	<b>0.327</b>	<b>230.333</b>	<b>5.361</b>	<b>0.936</b>	<b>255.244</b>
<b>% of SW</b>	<b>6%</b>	<b>1%</b>	<b>0%</b>	<b>90%</b>	<b>2%</b>	<b>0%</b>	<b>100%</b>
<b>District Totals</b>	<b>322.822</b>	<b>58.913</b>	<b>14.646</b>	<b>594.179</b>	<b>57.959</b>	<b>3.509</b>	<b>1,052.028</b>
<b>% of Total</b>	<b>31%</b>	<b>6%</b>	<b>1%</b>	<b>56%</b>	<b>6%</b>	<b>0%</b>	<b>100%</b>

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

Table does not include Domestic Self-Supply (38.064 mgd groundwater) or Seawater Desalination (5.18 mgd) because they are non-WUP sources.

Source: Estimated Water Use Tables derived from the WUP database and 2021 PSARs.

## 2021 ESTIMATED WATER USE REPORT

**Table B-2. 2021 Metered + Estimated Average Annual Withdrawal (mgd) in the Southern Water Use Caution Area (SWUCA) by Source, Use Category, and County**

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional / Other	Total Withdrawal
<b>GROUNDWATER (82%)</b>							
<b>*Charlotte</b>	4.778	0.023	0.004	5.956	0.742	0.006	11.509
<b>Desoto</b>	55.019	0.669	0.001	4.547	0.133	0	60.369
<b>Hardee</b>	35.444	2.912	1.489	1.286	0.116	0.237	41.484
<b>*Highlands</b>	33.073	0.072	0.001	8.453	2.063	0.008	43.670
<b>*Hillsborough</b>	18.658	0.686	1.811	24.526	3.370	0.010	49.061
<b>Manatee</b>	41.357	0.303	2.904	15.114	9.341	0	69.019
<b>*Polk</b>	64.170	34.040	8.079	68.366	6.136	0.009	180.800
<b>Sarasota</b>	2.724	0.089	0	22.643	7.706	0.037	33.199
<b>SWUCA GW Subtotals</b>	255.223	38.794	14.289	150.891	29.607	0.307	489.111
<b>% of GW</b>	52%	8%	3%	31%	6%	0%	100%
<b>SURFACE WATER (18%)</b>							
<b>*Charlotte</b>	3.573	0	0.153	3.558	0.948	0	8.232
<b>Desoto</b>	0.966	0	0.006	26.936	0	0	27.908
<b>Hardee</b>	0.451	0	0	0	0	0	0.451
<b>*Highlands</b>	4.353	0	0.009	0.004	0.001	0	4.367
<b>*Hillsborough</b>	0.806	2.589	0.007	17.549	0.007	0	20.958
<b>Manatee</b>	0.164	0	0	37.353	0.517	0	38.034
<b>*Polk</b>	2.463	0.191	0.038	0.001	0.226	0	2.919
<b>Sarasota</b>	0.108	0.004	0.004	0.603	1.500	0	2.219
<b>SWUCA SW Subtotals</b>	12.884	2.784	0.217	86.004	3.199	0	105.088
<b>% of SW</b>	12%	3%	0%	82%	3%	0%	100%
<b>SWUCA Totals</b>	268.107	41.578	14.506	236.895	32.806	0.307	594.199
<b>% of SWUCA</b>	45%	7%	2%	40%	6%	0%	100%
<b>**SWUCA % of Districtwide Totals</b>	83%	71%	99%	40%	57%	9%	56%

Source: Estimated Water Use Tables derived from the WMIS database and 2021 PSARs.

Table does 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.

## 2021 ESTIMATED WATER USE REPORT

**Table B-3. 2021 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 (59%)</b>							
<b>Hillsborough</b>	11.553	0.119	0.020	0.124	3.109	0.005	14.930
<b>Manatee</b>	18.195	0.309	0.029	0.005	9.931	0	28.469
<b>Sarasota</b>	0.831	0.038	0	10.202	1.417	0	12.488
<b>MIA GW Subtotal</b>	30.579	0.466	0.049	10.331	14.457	0.005	55.887
<b>% of GW</b>	55%	1%	0.1%	18%	26%	0.009%	100%
<b>SURFACE WATER (41%)</b>							
<b>Hillsborough</b>	0.198	0.001	0.007	0.001	0	0	0.207
<b>Manatee <sup>1</sup></b>	0.133	0	0	37.353	0.517	0	38.003
<b>Sarasota</b>	0.052	0	0	0	0.063	0	0.115
<b>MIA SW Subtotals</b>	0.383	0.001	0.007	37.354	0.580	0	38.325
<b>% of SW</b>	1%	0%	0%	97%	2%	0%	100%
<b>MIA Total</b>	30.962	0.467	0.056	47.685	15.037	0.005	94.212
<b>% of MIA</b>	33%	0%	0.1%	51%	16%	0.005%	100%
<b>* % of SWUCA Total</b>	12%	1%	0.3%	20%	46%	2%	16%
<b>** % of Districtwide Total</b>	10%	1%	0.4%	8%	26%	0.1%	9%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2021 PSARs.

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

<sup>1</sup> 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.

## 2021 ESTIMATED WATER USE REPORT

**Table B-4. 2021 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 (56%)</b>							
<b>*Hillsborough</b>	18.824	5.845	0	55.637	5.156	0.187	85.649
<b>Pasco</b>	5.637	0.761	0.002	54.439	2.699	1.773	65.311
<b>Pinellas</b>	0.010	0.170	0	24.216	2.070	0.003	26.469
<b>NTB WUCA GW Subtotal</b>	24.471	6.776	0.002	134.292	9.925	1.963	177.429
<b>% of GW</b>	14%	4%	0.001%	76%	6%	1%	100%
<b>SURFACE WATER (44%)</b>							
<b>*Hillsborough</b>	1.576	0.023	0.005	135.873	0.599	0.794	138.87
<b>Pasco</b>	0.025	0.615	0.031	0	0.234	0.142	1.047
<b>Pinellas</b>	0	0	0	0	1.159	0	1.159
<b>NTB WUCA SW Subtotal</b>	1.601	0.638	0.036	135.873	1.992	0.936	141.076
<b>% of SW</b>	1%	0.5%	0%	96%	1%	0.7%	100%
<b>NTB WUCA Total</b>	26.072	7.414	0.038	270.165	11.917	2.899	318.505
<b>% of NTB WUCA</b>	8%	2%	0.01%	85%	4%	1%	100%
<b>**% of District Total</b>	8%	13%	0.3%	45%	21%	83%	30%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2021 PSARs.

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

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

Table does not include Domestic Self-Supply or Seawater Desalination.

## 2021 ESTIMATED WATER USE REPORT

**Table B-5. 2021 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	20.538	2.645	0	21.126	0.334	0.009	44.652
Polk	0.572	0.077	0	3.858	0.005	0	4.512
<b>DPC WUCA GW Subtotal</b>	21.11	2.722	0	24.984	0.339	0.009	49.164
<b>% of GW</b>	43%	6%	0%	51%	1%	0.02%	100%
<b>SURFACE WATER (4%)</b>							
Hillsborough	1.883	0.002	0	0.001	0	0	1.886
Polk	0	0	0	0	0	0	0
<b>DPC WUCA SW Subtotal</b>	1.883	0.002	0	0.001	0	0	1.886
<b>% of SW</b>	100%	0.1%	0%	0.1%	0%	0%	100%
<b>DPC WUCA Total</b>	22.993	2.724	0	24.985	0.339	0.009	51.050
<b>% of DPC WUCA</b>	45%	5%	0%	49%	1%	0.02%	100%
<b>* % of District Total</b>	7%	5%	0%	4%	1%	0.3%	5%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2021 PSARs.

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

The wellfields for WUPs #4352, #11400, and #11732 overlap the DPC WUCA boundary, but only withdrawals from those WUPs' wells that are within the WUCA boundary were tallied for this table.

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

## 2021 ESTIMATED WATER USE REPORT

**Table B-6. 2021 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>	0.257	0	0	0	0	0	0.257
<b>Manatee</b>	13.560	0.008	0.224	0.002	0.012	0	13.806
<b>Sarasota</b>	1.376	0	0	2.493	0	0	3.869
<b>GW Subtotal</b>	15.193	0.008	0.224	2.495	0.012	0	17.932
<b>% of GW</b>	85%	0%	1%	14%	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	0	0	0	0
<b>Sarasota</b>	0.044	0	0.002	0	0	0	0.046
<b>SW Subtotals</b>	0.044	0	0.002	0	0	0	0.046
<b>% of SW Subtotals</b>	96%	0%	4%	0%	0%	0%	100%
<b>GW+SW Total</b>	15.237	0.008	0.226	2.495	0.012	0	17.978
<b>% of Total</b>	85%	0%	1%	14%	0.1%	0%	100%

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

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

## 2021 ESTIMATED WATER USE REPORT

**Table B-7. 2021 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>							
<b>Charlotte</b>	4.301	0	0.005	3.429	0.174	0	7.909
<b>DeSoto</b>	0.424	0	0	0	0	0	0.424
<b>GW Subtotals</b>	4.725	0	0.005	3.429	0.174	0	8.333
<b>% of GW Subtotals</b>	57%	0%	0%	41%	2%	0%	100%
<b>SURFACE WATER (48%)</b>							
<b>Charlotte</b>	3.446	0	0.088	3.558	0.005	0	7.097
<b>DeSoto</b>	0.575	0	0	0	0	0	0.575
<b>SW Subtotals</b>	4.021	0	0.088	3.558	0.005	0	7.672
<b>% of SW Subtotals</b>	52%	0%	1%	46%	0%	0%	100%
<b>GW+SW Subtotals</b>	8.746	0	0.093	6.987	0.179	0	16.005
<b>% Totals</b>	55%	0%	1%	44%	1%	0%	100%

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

The withdrawal criteria for priority watersheds are 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.



**2021 ESTIMATED WATER USE REPORT**

**APPENDIX C**

**2021 PERMITTED**

**GROUNDWATER & SURFACE WATER**

**ANNUAL AVERAGE QUANTITIES**

## 2021 ESTIMATED WATER USE REPORT

**Table C-1. 2021 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 (78%)</b>							
*Charlotte	23.359	0.084	0.042	9.734	2.530	0.027	35.776
Citrus	3.620	6.457	0.067	18.240	4.089	0.015	32.488
DeSoto	105.954	1.372	0.001	1.402	0.860	0	109.589
Hardee	73.750	4.638	6.392	1.725	0.178	0.426	87.109
Hernando	3.517	11.187	0.280	25.869	5.626	0	46.479
*Highlands	51.503	0.359	0.003	11.223	2.731	0.039	65.858
Hillsborough	91.367	20.258	0.142	137.937	16.431	2.957	269.092
*Lake	1.720	0	0	0	0	0	1.720
*Levy	22.676	1.600	0.001	1.077	0.309	0.003	25.666
Manatee	147.763	0.699	0.071	21.940	18.562	0	189.035
*Marion	14.180	0.040	0.086	17.270	4.569	0.071	36.216
Pasco	16.810	5.624	0.043	20.988	5.742	5.004	54.211
Pinellas	0.157	0.360	0	27.472	4.350	0.025	32.364
*Polk	109.439	75.773	45.279	116.947	12.828	0.517	360.783
Sarasota	17.129	0.233	0	45.762	15.813	0.160	79.097
Sumter	16.645	2.936	0.162	31.270	10.161	0	61.174
<b>GW Subtotal</b>	<b>699.589</b>	<b>131.620</b>	<b>52.569</b>	<b>488.856</b>	<b>104.779</b>	<b>9.244</b>	<b>1,486.657</b>
<b>% of GW</b>	<b>47%</b>	<b>9%</b>	<b>4%</b>	<b>33%</b>	<b>7%</b>	<b>0.6%</b>	<b>100%</b>
<b>SURFACE WATER (22%)</b>							
*Charlotte	4.999	0	0.566	7.991	2.357	0	15.913
Citrus	0.060	0.001	0.071	0	0.189	0	0.321
DeSoto	5.687	0	0.028	79.768	0	0	85.483
Hardee	4.158	0	0	0	0	0	4.158
Hernando	0.054	1.487	0.026	0	0.498	0	2.065
*Highlands	5.452	0.001	0.027	0.018	0.026	0	5.524
Hillsborough	6.765	6.114	0.283	205.781	2.529	7.100	228.572
*Lake	0.078	0	0	0	0	0	0.078
*Levy	0	0	0.122	0	0	0	0.122
Manatee	3.479	0.009	0.414	41.850	9.363	0	55.115
*Marion	0	0	0.040	0	0.249	0	0.289
Pasco	0.108	0.206	0.255	0	0.433	0.180	1.182
Pinellas	0.042	0	0	0	1.805	0	1.847
*Polk	5.211	1.434	0.535	0.056	0.532	0	7.768
Sarasota	0.230	0.029	0.010	7.045	2.693	0	10.007
Sumter	0.037	0.086	0.465	0	0	0	0.588
<b>SW Subtotal</b>	<b>36.360</b>	<b>9.367</b>	<b>2.842</b>	<b>342.509</b>	<b>20.674</b>	<b>7.280</b>	<b>419.032</b>
<b>% of SW</b>	<b>9%</b>	<b>2%</b>	<b>1%</b>	<b>82%</b>	<b>5%</b>	<b>1.7%</b>	<b>100%</b>
<b>District Total</b>	<b>735.949</b>	<b>140.987</b>	<b>55.411</b>	<b>831.365</b>	<b>125.453</b>	<b>16.524</b>	<b>1,905.689</b>
<b>% of District Total</b>	<b>39%</b>	<b>7%</b>	<b>3%</b>	<b>44%</b>	<b>7%</b>	<b>0.9%</b>	<b>100%</b>

Source: WUP database, permitted quantities queried at end-of-year.

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

## 2021 ESTIMATED WATER USE REPORT

**Table C-2. 2021 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 (82%)</b>							
*Charlotte	23.359	0.084	0.042	9.734	2.530	0.027	35.776
DeSoto	105.954	1.372	0.001	1.402	0.860	0	109.589
Hardee	73.750	4.638	6.392	1.725	0.178	0.426	87.109
*Highlands	51.503	0.359	0.003	11.223	2.731	0.039	65.858
*Hillsborough	52.115	9.145	0.133	24.317	6.153	0.111	91.974
Manatee	147.763	0.699	0.071	21.940	18.562	0	189.035
*Polk	96.680	74.713	44.520	101.716	10.502	0.042	328.173
Sarasota	17.129	0.233	0	45.762	15.813	0.160	79.097
<b>GW Subtotal</b>	<b>568.253</b>	<b>91.243</b>	<b>51.162</b>	<b>217.819</b>	<b>57.329</b>	<b>0.805</b>	<b>986.611</b>
<b>% SWUCA GW</b>	<b>58%</b>	<b>9%</b>	<b>5%</b>	<b>22%</b>	<b>6%</b>	<b>0%</b>	<b>100%</b>
<b>SURFACE WATER (18%)</b>							
*Charlotte	4.999	0	0.566	7.991	2.357	0	15.913
DeSoto	5.687	0	0.028	79.768	0	0	85.483
Hardee	4.158	0	0	0	0	0	4.158
*Highlands	5.452	0.001	0.027	0.018	0.026	0	5.524
*Hillsborough	4.176	5.985	0.254	18.705	0.622	0	29.742
Manatee	3.479	0.009	0.414	41.850	9.363	0	55.115
*Polk	4.671	1.434	0.380	0.056	0.504	0	7.045
Sarasota	0.230	0.029	0.010	7.045	2.693	0	10.007
<b>SW Subtotal</b>	<b>32.852</b>	<b>7.458</b>	<b>1.679</b>	<b>155.433</b>	<b>15.565</b>	<b>0</b>	<b>212.987</b>
<b>% SWUCA SW</b>	<b>15%</b>	<b>4%</b>	<b>1%</b>	<b>73%</b>	<b>7%</b>	<b>0%</b>	<b>100%</b>
<b>SWUCA Total</b>	<b>601.105</b>	<b>98.701</b>	<b>52.841</b>	<b>373.252</b>	<b>72.894</b>	<b>0.805</b>	<b>1,199.598</b>
<b>% of SWUCA</b>	<b>50</b>	<b>8%</b>	<b>4%</b>	<b>31%</b>	<b>6%</b>	<b>0%</b>	<b>100%</b>
<b>**SWUCA % of Districtwide Total</b>	<b>82%</b>	<b>70%</b>	<b>95%</b>	<b>45%</b>	<b>58%</b>	<b>5%</b>	<b>63%</b>

Source: WUP database, permitted quantities queried at end-of-year.

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

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

## 2021 ESTIMATED WATER USE REPORT

**Table C-3. 2021 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 (75%)</b>							
<b>Hillsborough</b>	34.187	4.838	0.131	0.186	5.131	0.086	44.559
<b>Manatee</b>	74.681	0.572	0.067	3.966	18.300	0	97.586
<b>Sarasota</b>	3.356	0.101	0	19.995	2.857	0.001	26.310
<b>GW Subtotal</b>	112.224	5.511	0.198	24.147	26.288	0.087	168.455
<b>% of GW</b>	67%	3%	0%	14%	16%	0%	100%
<b>SURFACE WATER (25%)</b>							
<b>Hillsborough</b>	1.212	0.003	0.218	0.002	0.611	0	2.046
<b>Manatee</b>	0.695	0	0.246	41.850	9.363	0	52.154
<b>Sarasota</b>	0.071	0	0	0	0.125	0	0.196
<b>SW Subtotal</b>	1.978	0.003	0.464	41.852	10.099	0	54.396
<b>% of SW</b>	4%	0%	1%	77%	19%	0%	100%
<b>MIA Total</b>	114.202	5.514	0.662	65.999	36.387	0.087	222.851
<b>% of MIA Total</b>	51%	2%	0.3%	30%	16%	0%	100%
<b>*MIA % of SWUCA Total</b>	19%	6%	1%	18%	50%	11%	19%
<b>*MIA % of Districtwide Total</b>	16%	4%	1%	8%	29%	1%	12%

Source: WUP database, permitted quantities queried at end-of-year.

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.

## 2021 ESTIMATED WATER USE REPORT

**Table C-4. 2021 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>	39.252	11.113	0.009	113.620	10.278	2.846	177.118
<b>Pasco</b>	16.810	5.624	0.043	20.988	5.742	5.004	54.211
<b>Pinellas</b>	0.157	0.360	0	27.472	4.350	0.025	32.364
<b>NTB WUCA GW Subtotal</b>	56.219	17.097	0.052	162.080	20.370	7.875	263.693
<b>% of GW</b>	21%	6%	0.02%	61%	8%	3%	100%
<b>SURFACE WATER (43%)</b>							
<b>*Hillsborough</b>	2.589	0.129	0.029	187.076	1.907	7.100	198.830
<b>Pasco</b>	0.108	0.206	0.255	0	0.433	0.180	1.182
<b>Pinellas</b>	0.042	0	0	0	1.805	0	1.847
<b>NTB WUCA SW Subtotal</b>	2.739	0.335	0.284	187.076	4.145	7.280	201.859
<b>% of SW</b>	1%	0.2%	0.1%	93%	2%	4%	100%
<b>NTB WUCA Total</b>	58.958	17.432	0.336	349.156	24.515	15.155	465.552
<b>% of NTB WUCA</b>	13%	4%	0.1%	75%	5%	3%	100%
<b>**NTB WUCA % of Districtwide Total</b>	8%	12%	0.6%	42%	20%	92%	24%

Source: WUP database, permitted quantities queried at end-of-year.

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

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

## 2021 ESTIMATED WATER USE REPORT

**Table C-5. 2021 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 (97%)</b>							
<b>Hillsborough<sup>1</sup></b>	43.636	3.936	0.002	40.551	0.743	0.018	88.886
<b>Polk<sup>2</sup></b>	0.710	1.419	0.014	7.088	0.014	0	9.245
<b>GW Subtotal</b>	44.346	5.355	0.016	47.639	0.757	0.018	98.131
<b>% of GW</b>	45%	5%	0%	49%	1%	0.0%	100%
<b>SURFACE WATER (3%)</b>							
<b>Hillsborough</b>	3.153	0.005	0.052	0.001	0	0	3.211
<b>Polk</b>	0	0.072	0.128	0	0	0	0.200
<b>SW Subtotal</b>	3.153	0.077	0.180	0.001	0	0	3.411
<b>% of SW</b>	92%	2%	5%	0.0%	0%	0%	100%
<b>DPC WUCA Total</b>	47.499	5.432	0.196	47.640	0.757	0.018	101.542
<b>% of DPC WUCA Total</b>	47%	5%	0.2%	47%	0.7%	0%	100%
<b>*DPC WUCA % of Districtwide Total</b>	6%	4%	0.4%	6%	0.6%	0.1%	5%

Source: WUP database, permitted quantities queried at end-of-year.

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.

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

## 2021 ESTIMATED WATER USE REPORT

**Table C-6. 2021 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 (82%)</b>								
Hillsborough	2.810	26.574	80.091	57.976	1.701	2.962	726.424	898.538
Polk	0	0.813	0.979	0	0	0	1.759	3.551
<b>Max Day GW Quantities</b>	2.810	27.387	81.070	57.976	1.701	2.962	728.183	902.089
<b>% of GW</b>	0.3%	3%	9%	6%	0.2%	0.3%	81%	100%
<b>SURFACE WATER (18%)</b>								
Hillsborough	0	0.386	8.940	2.358	0	0	190.715	202.399
Polk	0	0	0	0	0	0	0.690	0.690
<b>Max Day SW Quantities</b>	0	0.386	8.940	2.358	0	0	191.405	203.089
<b>% of SW</b>	0%	0.2%	4%	1%	0%	0%	94%	100%
<b>Total Max Day Quantities</b>	2.810	27.773	90.010	60.334	1.701	2.962	919.588	1,105.178
<b>% of Total Max Day Quantity</b>	0.3%	3%	8%	5%	0.2%	0.3%	83%	100%

**Table C-7. 2021 Total Number of Agricultural Water Use Permits with Freeze Protection Quantities in the DPC WUCA for Agricultural Use**

County/Use	Aqua-culture	Blue-berries	Citrus	Nursery, Container	Nursery, Field	Other Fruit Trees	Straw - berry	Total WUPs
Hillsborough	4	20	50	26	1	3	247	351
Polk	0	1	1	0	0	0	2	4
<b>Total</b>	4	21	51	26	1	3	249	355

Source for both tables: WUP database, permitted quantities queried at end-of-year.  
Data is only for the portion of the county within the DPC WUCA.

# **2021 ESTIMATED WATER USE REPORT**

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**APPENDIX D**

**2012 - 2021**

**HISTORIC PUBLIC SUPPLY PER CAPITA RATES**

**FROM THE**

**PUBLIC SUPPLY ANNUAL REPORTS**

## 2021 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	2021 Service Area Population	Calendar Year									
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Charlotte	718	Gasparilla Island Water Association	6,254	194	185	187	181	182	182	189	176	172	171
Charlotte	871	City of Punta Gorda	40,211	121	114	120	126	128	134	132	127	133	138
Charlotte	1512	Charlotte Harbor Water Association	4,576	71	79	94	92	106	82	76	74	90	89
Charlotte	3522	Charlotte County Burnt Store	7,383	57	60	58	64	59	63	61	60	67	65
Charlotte	7104	Charlotte County	141,173	77	80	81	79	79	81	74	73	74	79
Charlotte	7768	Island Harbor / Knight Island	NA	93	100	123	.	.	.	.	.	.	.
Citrus	207	City of Crystal River	5,698	135	120	137	137	148	127	135	124	121	121
Citrus	419	City of Inverness	9,166	119	118	108	109	104	106	109	95	121	125
Citrus	1118	Floral City Water Association	5,196	62	62	56	58	66	64	64	69	62	58
Citrus	2842	Citrus County WRD	21,150	136	130	124	133	142	144	131	131	130	122
Citrus	4153	Rolling Oaks Utilities, Inc.	11,856	136	136	122	119	134	132	132	137	134	125
Citrus	4406	Homosassa Special Water District	5,829	131	131	120	127	130	133	133	140	137	137
Citrus	6691	Gulf Highway Land Corporation	589	116	120	102	106	112	110	93	96	111	104
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	28,550	142	138	143	145	168	167	161	167	162	149
Citrus	9097	Tarawood Utilities	158	.	.	.	.	.	.	.	.	61	49
Citrus	9791	Citrus County WRD / Sugarmill Woods	161	192	197	186	192	212	199	166	158	167	149
Citrus	11839	Walden Woods Ltd	14,405	117	161	141	134	144	137	141	152	171	169
Citrus	20230	Ozello Water Association Inc	1,021	93	84	82	81	79	82	68	80	94	84
DeSoto	4725	City of Arcadia	12,113	70	70	82	82	84	85	82	97	70	63
DeSoto	20457	DeSoto County Utilities	6,118	.	.	74	94	125	148	82	74	80	79
Hardee	30	City of Bowling Green	4,658	76	95	48	45	41	41	54	45	43	52
Hardee	4461	City of Wauchula	6,776	98	97	101	98	101	106	101	99	96	95
Hardee	7658	Town of Zolfo Springs	2,505	63	51	51	50	59	66	65	52	54	57
Hardee	13026	Hardee County BOCC	3,038	39	51	41	41	44	47	44	45	45	66
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	130	104	98	.	.	.	.	.	.	.
Hernando	2983	Hernando Co Utilities Dept / West	NA	133	125	122	.	.	.	.	.	.	.
Hernando	5789	Hernando Co Utilities Dept (Consolidated)	151,827	111	96	89	119	127	126	123	126	129	131
Hernando	7627	City of Brooksville	17,232	72	68	69	75	82	81	76	75	70	77
Hernando	12011	Hernando Co Utilities Dept	NA	143	116	153	.	.	.	.	.	.	.
Highlands	4167	Aqua Utilities, Lake Josephine	1,404	131	100	106	121	115	84	95	81	82	70

## 2021 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	2021 Service Area Population	Calendar Year									
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Highlands	4492	City of Sebring	35,743	100	96	97	92	99	112	110	112	115	109
Highlands	4980	Lake Placid Holding Company	4,670	57	62	67	68	65	73	63	66	71	93
Highlands	5270	Town of Lake Placid	7,170	96	97	82	83	82	84	81	90	92	89
Highlands	6029	City of Avon Park	22,789	92	106	80	80	83	84	83	94	91	92
Highlands	6326	Town of Lake Placid	NA	62	64	.	.	.	.	.	.	.	.
Highlands	7139	Buttonwood Bay Utilities	1,631	110	91	92	87	85	109	104	135	117	105
Highlands	7704	Country Club Utilities, Inc.	NA	276	228	248	200	.	.	.	.	.	.
Highlands	9490	LP Utilities Inc	NA	98	83	70	68	56	.	.	.	.	.
Highlands	11609	Town of Lake Placid	NA	57	71	.	.	.	.	.	.	.	.
Highlands	13099	Sun N Lake of Sebring	7,977	81	83	86	85	83	83	81	85	88	89
Hillsborough	450	City of Temple Terrace	30,825	107	101	102	103	99	115	114	115	121	124
Hillsborough	1776	City of Plant City	42,056	130	126	133	135	142	149	148	149	145	150
Hillsborough	2062	City of Tampa	714,114	116	109	110	109	112	119	111	99	104	106
Hillsborough	2285	Davpam MHP	1,313	111	90	91	97	104	116	109	113	118	125
Hillsborough	2707	Pluris Eastlake LLC	NA	37	30	36	.	.	.	.	.	.	.
Hillsborough	6879	The Meadows at Countrywood MHC	2,124	109	99	101	89	98	111	105	80	75	98
Hillsborough	7637	Riverside Golf Course Com LLC	1,315	150	260	195	544	374	441	491	378	428	242
Hillsborough	7790	Paradise Village MHC	2,225	46	57	33	57	46	48	56	61	57	63
Hillsborough	10443	Windemere Utility Company	2,774	95	91	85	82	89	91	85	91	97	95
Hillsborough	12994	Pluris PCU INC	NA	116	103	92	.	.	.	.	.	.	.
Hillsborough	20141	Hillsborough County NW	686,470	94	93	94	96	96	100	98	102	108	107
Levy	5640	City of Williston	4,923	149	134	134	137	146	134	189	141	137	106
Levy	7755	Town of Yankeetown	NA	78	63	64	80	85	.	.	.	.	.
Levy	8953	Town of Inglis	1,633	76	84	73	72	69	58	56	60	65	82
Manatee	6392	City of Bradenton	75,307	82	82	88	84	88	88	84	87	81	82
Manatee	10963	Town of Longboat Key	18,356	86	85	90	90	91	89	92	101	99	103
Manatee	12443	City of Palmetto	18,620	72	80	79	78	73	81	83	79	77	73
Manatee	13343, 7345	Manatee County Utilities	388,253	91	92	91	89	92	91	87	89	95	95
Marion	1156	Bay Laurel CDD	16,516	226	218	185	222	236	248	233	241	237	213
Marion	2999	Marion Utilities Inc	1,134	92	83	81	90	94	91	86	79	88	84

## 2021 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	2021 Service Area Population	Calendar Year									
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,014	158	144	136	137	160	153	136	148	145	129
Marion	6151	Marion County Utilities	43,070	136	139	116	127	139	137	130	127	130	132
Marion	6792	Sun Communities	NA	162	150	124	132	140	160	128	.	.	.
Marion	7849	Marion Utilities Inc	1,148	188	106	95	108	123	117	109	111	118	90
Marion	8005	Century Fairfield Village LTD	NA	122	119	117	118	118	141	118	.	.	.
Marion	8020	Marion Landings Homeowners Association	1,127	155	136	116	127	137	131	113	114	122	115
Marion	8339	City of Dunnellon	6,704	121	121	120	115	147	144	154	157	184	189
Marion	8481	Marion Utilities Inc / Spruce Creek	7,455	108	88	93	103	106	105	102	104	112	124
Marion	9360	Windstream Utilities Company	NA	238	238	230	.	.	.	.	.	.	.
Pasco	279	Florida Gov Utility Authority	4,105	61	80	81	55	56	58	57	71	81	79
Pasco	540	Holiday Gardens Utilities Inc	NA	59	61	78	.	.	.	.	.	.	.
Pasco	543	Crestridge Utility Corp	NA	52	44	51	.	.	.	.	.	.	.
Pasco	590	Florida Gov Utility Authority	8,385	104	110	101	99	104	116	109	100	99	96
Pasco	964	C S Water Company Inc	NA	87	72	72	79	84	83	85	84	.	.
Pasco	1631	City of Dade City	13,231	106	106	119	106	109	110	105	107	111	126
Pasco	2043	Orangewood Lakes Mobile Home	NA	63	66	72	79	74	.	54	.	.	.
Pasco	2978	Florida Gov Utility Authority	5,489	110	116	101	95	105	122	114	123	127	130
Pasco	3182	Florida Gov Utility Authority	31,872	98	79	83	80	84	85	79	79	82	82
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	NA	64	53	52	57	58	59	56	55	.	.
Pasco	3668	Utilities Inc of Florida / Summertree	NA	64	99	109	62	49	.	.	.	.	.
Pasco	3677	Florida Gov Utility Authority	NA	53	54	47	59	55	54	52	.	.	.
Pasco	3692	City of Port Richey	7,626	46	56	45	43	49	87	92	87	91	99
Pasco	4550	City of San Antonio	2,503	87	90	90	92	61	60	58	55	58	67
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	58	.	.	.	.	.	.	.	.	.
Pasco	4669	Hudson Water Works Inc	7,169	83	87	82	90	79	97	87	89	91	96
Pasco	4734	City of New Port Richey	33,039	86	82	90	95	96	97	93	95	102	101
Pasco	6040	City of Zephyrhills	29,117	109	109	88	74	84	88	84	82	82	83
Pasco	7299	L W V Utilities Inc	NA	64	.	.	.	.	.	.	.	.	.
Pasco	7999	Florida Gov Utility Authority	2,037	62	60	56	60	55	60	64	68	67	66
Pasco	8417	Florida Gov Utility Authority	7,933	53	57	52	54	54	54	50	49	49	57

## 2021 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	2021 Service Area Population	Calendar Year									
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Pasco	11863	Pasco County Utilities	330,615	126	124	111	90	107	113	104	107	109	104
Pinellas	742	City of Tarpon Springs	28,932	71	96	93	94	90	86	91	86	91	90
Pinellas	2980	City of Dunedin	45,791	99	78	79	77	80	79	76	75	81	80
Pinellas	2981	City of Clearwater	144,112	75	78	80	76	75	75	76	73	72	78
Pinellas	7692	City of Belleair	5,985	175	128	131	129	140	144	138	133	136	137
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	54	54	51	32	.	.	.	.	.	.
Pinellas	10795	City of Gulfport	14,897	67	67	65	79	67	67	63	61	59	60
Pinellas	11218	City of Oldsmar	17,529	88	72	74	59	74	81	80	83	80	78
Pinellas	11245	City of Safety Harbor	15,778	80	91	85	93	97	98	95	86	71	84
Pinellas	12351	City of Pinellas Park	66,254	56	50	50	55	50	51	51	68	75	73
Pinellas	20142	Pinellas County	516,659	83	77	70	82	76	77	73	74	76	74
Pinellas	20143	City of St. Petersburg	350,725	100	79	77	79	78	80	78	74	72	72
Polk	341	City of Bartow	26,951	111	101	97	99	103	109	106	113	108	113
Polk	645	City of Fort Meade	5,893	91	94	87	89	102	99	95	100	106	99
Polk	1616	Lake Region Mobile Home Owners	NA	85	82	70	74	.	.	.	.	.	.
Polk	1625	Four Lakes Golf Club Ltd	1,448	277	256	229	206	263	279	206	288	251	283
Polk	2332	Town of Lake Hamilton	1,968	144	153	132	194	154	134	135	150	155	147
Polk	3415	Orchid Springs Development Corp	NA	77	78	80	72	69	69	62	67	.	.
Polk	4005	Crooked Lake Park Water Co	2,705	37	90	89	83	84	84	85	86	93	91
Polk	4607	City of Winter Haven	82,004	138	113	118	113	114	117	115	116	116	127
Polk	4658	City of Lake Wales	25,316	119	115	115	113	113	114	116	116	119	107
Polk	4912	City of Lakeland	185,394	123	117	118	117	118	118	114	117	121	123
Polk	5251	Grenelefe Resort LLC	2,712	321	356	361	374	666	456	360	402	344	375
Polk	5750	City of Davenport	13,239	108	119	94	130	118	113	137	142	158	153
Polk	5868	Rainbow Resort	989	.	.	.	.	.	.	128	126	109	119
Polk	5870	City of Frostproof	3,954	79	95	110	113	119	124	125	98	91	88
Polk	5893	Town of Dundee	7,483	104	78	95	139	102	105	108	108	122	108
Polk	6124	City of Mulberry	4,855	87	91	98	79	83	80	84	82	84	86
Polk	6174	Saddlebag Lake Owners Assn	1,332	79	67	77	64	65	68	66	60	73	94
Polk	6505	Polk Co. / Northwest Regional Serv. Area	34,205	89	79	80	77	79	84	80	85	86	93

## 2021 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	2021 Service Area Population	Calendar Year									
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Polk	6506	Polk Co. / Southwest Regional Serv. Area	45,859	79	75	78	77	76	79	73	74	77	82
Polk	6507	Polk Co. / Central Regional Serv. Area	15,108	70	63	64	72	72	70	68	74	81	85
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,058	125	93	105	108	122	109	108	120	124	120
Polk	6509	Polk Co. / Northeast Regional Serv. Area	92,298	103	93	99	104	96	93	100	93	90	93
Polk	6624	City of Lake Alfred	8,752	175	129	124	131	130	127	116	113	103	119
Polk	6920	City of Eagle Lake	5,234	111	105	97	90	96	114	84	81	100	76
Polk	7119	City of Auburndale	33,324	187	158	159	165	165	173	150	181	169	178
Polk	7187	CHC VII Century Realty Fund / Lake Henry	1,482	255	273	143	137	161	140	175	175	144	177
Polk	7328	Carefree RV Country Club of Winter Haven	980	136	94	80	105	106	111	126	110	111	151
Polk	7878	Florida Gov Utility Authority	2,280	66	64	65	67	65	66	62	60	60	62
Polk	8054	Polk Co. / East Regional Serv. Area	6,659	77	73	66	67	66	68	70	70	74	73
Polk	8344	S V Utilities LTD	1,379	140	135	119	75	103	106	101	105	92	101
Polk	8468	Town of Polk City	7,758	56	61	54	56	55	51	50	46	50	50
Polk	8522	City of Haines City	44,258	122	137	144	138	140	147	129	130	127	136
Polk	8753	Plantation Landings Ltd	NA	108	78	80	67	.	.	82	.	.	.
Polk	8967	Sweetwater Community Inc	698	180	176	190	198	172	173	154	173	161	197
Polk	10141	Ovation Water Facility	379	.	.	.	.	.	.	.	.	31	96
Polk	12800	Polk County Utilities Jorden's Grove	2,235	.	.	.	.	.	134	303	238	109	50
Polk	13043	Cypress Lakes Utilities, Inc	3,005	51	80	82	62	62	64	59	75	80	68
Sarasota	2923	City of Northport	58,702	759	68	62	61	60	64	58	59	58	59
Sarasota	4318	City of Sarasota / Verna Wellfield	84,144	93	78	82	79	78	78	78	74	75	82
Sarasota	4866	Englewood Water District	38,260	66	65	72	61	66	71	75	76	79	76
Sarasota	5393	City of Venice	37,657	55	55	62	78	63	64	59	65	66	61
Sarasota	5807	Camelot Lakes Communities MHP	1,829	132	139	162	167	187	161	177	196	196	170
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	82	74	83	.	61	66	41	98	78	81
Sarasota	8836	Sarasota Co. / Univ. Parkway	257,733	80	75	76	79	81	81	81	80	81	80
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,466	63	64	64	58	64	68	64	66	62	63
Sumter	2622	Continental Country Club	NA	254	93	193	200	.	.	.	.	.	.
Sumter	6519	City of Bushnell	3,903	152	146	142	145	164	125	125	121	112	111
Sumter	7185	City of Webster	1,010	89	89	143	56	62	72	88	99	100	87

## 2021 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	2021 Service Area Population	Calendar Year									
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021
Sumter	8135	City of Wildwood	16,399	137	133	106	112	104	104	98	118	132	150
Sumter	8193	City of Center Hill	1,163	45	52	59	73	64	71	56	56	59	60
Sumter	12584	Orange Blossom Utilities	222	.	.	.	.	.	.	.	.	185	194
Sumter	13005	The Villages of Marion & Sumter	91,775	278	281	247	264	298	247	94	227	239	237
Sumter	20597	City of Wildwood – Cont. Country Club	1,595	.	.	.	.	57	75	95	81	92	82
Sumter	20721	South Sumter Utility Company	15,966	.	.	.	.	.	.	.	101	67	56

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for specific year. This may occur if permit was issued less than ten years ago, or the permit no longer exists, or the PSAR was no longer required. Acronym "NA" (Not Applicable) is shown for Service Area Population where the value was not calculated because the permit was not active in 2021.

## 2021 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	2021 Service Area Population	Calendar Year										Five Year Ave.
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Charlotte	718	Gasparilla Island Water Association	6,254	163	160	158	159	162	160	167	146	132	125	146
Charlotte	871	City of Punta Gorda	40,211	121	114	120	126	128	134	132	127	133	138	133
Charlotte	1512	Charlotte Harbor Water Association	4,576	71	79	94	92	106	82	76	74	90	89	82
Charlotte	3522	Charlotte County Burnt Store	7,383	57	60	58	64	59	63	61	60	67	65	63
Charlotte	7104	Charlotte County	141,173	77	80	81	79	79	81	74	73	74	79	76
Charlotte	7768	Island Harbor / Knight Island	NA	93	100	123	.	.	.	.	.	.	.	NA
Citrus	207	City of Crystal River	5,698	135	120	137	137	148	127	80	124	121	121	115
Citrus	419	City of Inverness	9,166	105	118	108	109	104	106	109	95	121	125	111
Citrus	1118	Floral City Water Association	5,196	62	62	56	58	66	64	64	69	62	58	64
Citrus	2842	Citrus County WRD	21,150	136	130	124	133	142	144	131	131	130	122	131
Citrus	4153	Rolling Oaks Utilities, Inc.	11,856	136	136	122	119	134	132	132	137	134	125	132
Citrus	4406	Homosassa Special Water District	5,829	131	131	120	127	130	133	133	140	137	137	136
Citrus	6691	Gulf Highway Land Corporation	589	116	120	102	106	112	110	93	96	111	104	103
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	28,550	142	138	136	145	162	155	149	147	151	139	148
Citrus	9097	Tarawood Utilities	158	.	.	.	.	.	.	.	.	61	49	55
Citrus	9791	Citrus County WRD / Sugarmill Woods	161	192	197	186	192	212	199	166	158	167	149	168
Citrus	11839	Walden Woods Ltd	14,405	117	161	141	134	144	137	141	152	171	169	154
Citrus	20230	Ozello Water Association Inc	1,021	93	84	82	81	79	82	68	80	94	84	82
DeSoto	4725	City of Arcadia	12,113	70	70	82	82	84	85	82	97	70	63	79
DeSoto	20457	DeSoto County Utilities	6,118	.	.	74	94	125	148	82	74	80	79	93
Hardee	30	City of Bowling Green	4,658	76	95	48	45	41	41	54	45	43	52	47
Hardee	4461	City of Wauchula	6,776	98	97	101	98	101	106	101	99	96	95	99
Hardee	7658	Town of Zolfo Springs	2,505	63	51	51	50	59	66	65	52	54	57	59
Hardee	13026	Hardee County BOCC	3,038	39	51	41	41	44	47	44	45	45	66	49
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	130	104	98	.	.	.	.	.	.	.	NA
Hernando	2983	Hernando Co Utilities Dept / West	NA	133	125	122	.	.	.	.	.	.	.	NA
Hernando	5789	Hernando Co Utilities (Consolidated)	151,827	111	96	89	119	127	126	123	126	129	131	127
Hernando	7627	City of Brooksville	17,232	43	39	41	51	82	81	76	75	70	77	76
Hernando	12011	Hernando Co Utilities Dept	NA	143	116	153	.	.	.	.	.	.	.	NA



## 2021 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	2021 Service Area Population	Calendar Year										Five Year Ave.
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Highlands	4167	Aqua Utilities, Lake Josephine	1,404	131	100	106	121	115	84	95	81	82	70	82
Highlands	4492	City of Sebring	35,743	100	96	97	92	99	112	110	112	115	109	112
Highlands	4980	Lake Placid Holding Company	4,670	57	62	67	68	65	73	63	66	71	93	73
Highlands	5270	Town of Lake Placid	7,170	96	97	82	83	82	84	81	90	92	89	87
Highlands	6029	City of Avon Park	22,789	92	106	80	80	83	84	83	94	91	92	89
Highlands	6326	Town of Lake Placid	NA	62	64	.	.	.	.	.	.	.	.	NA
Highlands	7139	Buttonwood Bay Utilities	1,631	110	91	92	87	85	109	104	135	117	105	114
Highlands	7704	Country Club Utilities, Inc.	NA	262	228	248	200	.	.	.	.	.	.	NA
Highlands	9490	LP Utilities Inc	NA	98	83	70	68	56	.	.	.	.	.	NA
Highlands	11609	Town of Lake Placid	NA	57	71	.	.	.	.	.	.	.	.	NA
Highlands	13099	Sun N Lake of Sebring	7,977	81	83	86	85	83	83	81	85	88	89	85
Hillsborough	450	City of Temple Terrace	30,825	107	101	102	103	99	115	114	115	121	124	118
Hillsborough	1776	City of Plant City	42,056	85	88	91	112	101	106	103	116	114	109	110
Hillsborough	2062	City of Tampa	714,114	112	107	107	107	109	116	107	96	100	103	104
Hillsborough	2285	Davpam MHP	1,313	111	90	91	97	104	116	109	113	118	125	116
Hillsborough	2707	Pluris Eastlake LLC	NA	37	30	36	.	.	.	.	.	.	.	NA
Hillsborough	6879	The Meadows at Countrywood MHC	2,124	109	99	101	89	98	111	105	80	75	98	94
Hillsborough	7637	Riverside Golf Course Com LLC	1,315	463	58	110	217	215	242	314	215	129	129	206
Hillsborough	7790	Paradise Village MHC	2,225	69	57	33	57	46	48	56	61	57	63	57
Hillsborough	10443	Windemere Utility Company	2,774	95	91	85	82	89	91	85	91	97	95	92
Hillsborough	12994	Pluris PCU INC	NA	17	69	59	.	.	.	.	.	.	.	NA
Hillsborough	20141	Hillsborough County NW	686,470	94	93	94	96	96	100	98	102	108	107	103
Hillsborough	450	City of Temple Terrace	30,825	107	101	102	103	99	115	114	115	121	124	118
Hillsborough	1776	City of Plant City	42,056	85	88	91	112	101	106	103	116	114	109	110
Hillsborough	2062	City of Tampa	714,114	112	107	107	107	109	116	107	96	100	103	104
Hillsborough	2285	Davpam MHP	1,313	111	90	91	97	104	116	109	113	118	125	116
Levy	5640	City of Williston	4,923	149	134	134	137	146	134	189	141	137	106	141
Levy	7755	Town of Yankeetown	NA	78	63	64	80	85	.	.	.	.	.	NA
Levy	8953	Town of Inglis	1,633	76	84	73	72	69	58	56	60	65	82	64

## 2021 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	2021 Service Area Population	Calendar Year										Five Year Ave.
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Manatee	6392	City of Bradenton	75,307	81	82	88	84	88	88	84	87	81	82	84
Manatee	10963	Town of Longboat Key	18,356	86	85	90	90	91	89	92	101	99	103	97
Manatee	12443	City of Palmetto	18,620	68	80	74	78	73	81	83	79	77	73	79
Manatee	13343, 7345	Manatee County Utilities	388,253	72	75	75	78	74	74	70	76	80	82	76
Marion	1156	Bay Laurel CDD	16,516	186	175	173	205	220	234	220	227	209	188	216
Marion	2999	Marion Utilities Inc	1,134	85	83	81	90	94	91	86	79	88	84	86
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,014	158	144	136	137	160	153	136	148	145	129	142
Marion	6151	Marion County Utilities	43,070	134	137	116	127	139	137	130	127	130	132	131
Marion	6792	Sun Communities	NA	130	150	124	132	140	160	128	.	.	.	144
Marion	7849	Marion Utilities Inc	1,148	133	106	95	108	123	117	109	111	118	90	109
Marion	8005	Century Fairfield Village LTD	NA	101	119	117	118	118	141	118	.	.	.	129
Marion	8020	Marion Landings HOA	1,127	145	136	116	127	137	131	113	114	122	115	119
Marion	8339	City of Dunnellon	6,704	121	121	120	115	147	144	154	157	184	189	166
Marion	8481	Marion Utilities Inc / Spruce Creek	7,455	131	88	93	103	106	105	102	104	112	124	109
Marion	9360	Windstream Utilities Company	NA	238	238	230	.	.	.	.	.	.	.	NA
Pasco	279	Florida Gov Utility Authority	4,105	61	80	81	55	56	58	57	71	81	79	69
Pasco	540	Holiday Gardens Utilities Inc	NA	59	61	78	.	.	.	.	.	.	.	NA
Pasco	543	Crestridge Utility Corp	NA	52	44	51	.	.	.	.	.	.	.	NA
Pasco	590	Florida Gov Utility Authority	8,385	104	110	101	99	104	116	109	100	99	96	104
Pasco	964	C S Water Company Inc	NA	87	72	72	79	84	83	85	84	.	.	84
Pasco	1631	City of Dade City	13,231	106	106	97	65	93	110	105	107	111	126	112
Pasco	2043	Orangewood Lakes Mobile Home	NA	63	66	72	79	74	.	54	.	.	.	54
Pasco	2978	Florida Gov Utility Authority	5,489	110	116	101	95	105	122	114	123	127	130	123
Pasco	3182	Florida Gov Utility Authority	31,872	98	79	83	80	84	85	79	79	82	82	81
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	NA	64	53	52	57	58	59	56	55	68	68	61
Pasco	3668	Utilities Inc of Florida / Summertree	NA	64	99	109	62	49	.	.	.	.	.	NA
Pasco	3677	Florida Gov Utility Authority	NA	53	54	47	59	55	54	52	.	.	.	53
Pasco	3692	City of Port Richey	7,626	46	56	45	43	49	87	92	87	91	99	91
Pasco	4550	City of San Antonio	2,503	87	90	90	92	61	60	58	55	58	67	60

## 2021 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	2021 Service Area Population	Calendar Year										Five Year Ave.
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	58	.	.	.	.	.	.	.	.	.	NA
Pasco	4669	Hudson Water Works Inc	7,169	83	87	82	90	79	97	87	89	89	96	92
Pasco	4734	City of New Port Richey	33,039	86	82	90	95	96	97	93	95	102	101	98
Pasco	6040	City of Zephyrhills	29,117	109	109	88	74	84	88	84	82	82	83	84
Pasco	7299	L W V Utilities Inc	NA	64	.	.	.	.	.	.	.	.	.	NA
Pasco	7999	Florida Gov Utility Authority	2,037	62	60	56	60	55	60	64	68	67	66	65
Pasco	8417	Florida Gov Utility Authority	7,933	53	57	52	54	54	54	50	49	49	57	52
Pasco	11863	Pasco County Utilities	330,615	117	120	111	90	107	108	99	104	109	104	105
Pinellas	742	City of Tarpon Springs	28,932	71	96	93	94	90	86	91	86	91	90	89
Pinellas	2980	City of Dunedin	45,791	99	78	79	77	80	79	76	75	81	80	78
Pinellas	2981	City of Clearwater	144,112	64	69	72	76	75	75	76	73	72	78	75
Pinellas	7692	City of Belleair	5,985	132	98	131	97	108	106	113	107	106	101	107
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	54	54	51	32	.	.	.	.	.	.	NA
Pinellas	10795	City of Gulfport	14,897	67	67	65	79	67	67	63	61	59	60	62
Pinellas	11218	City of Oldsmar	17,529	88	72	74	59	74	81	80	83	80	78	80
Pinellas	11245	City of Safety Harbor	15,778	80	91	85	93	97	98	95	86	71	84	87
Pinellas	12351	City of Pinellas Park	66,254	56	50	50	55	50	51	51	68	75	73	64
Pinellas	20142	Pinellas County	516,659	83	77	70	82	76	77	73	74	76	74	75
Pinellas	20143	City of St. Petersburg	350,725	80	79	77	79	78	80	78	74	72	72	75
Polk	341	City of Bartow	26,951	81	101	56	51	54	61	60	66	22	21	46
Polk	645	City of Fort Meade	5,893	70	49	87	89	56	61	47	7	12	24	30
Polk	1616	Lake Region Mobile Home Owners	NA	85	82	70	74	.	.	.	.	.	.	NA
Polk	1625	Four Lakes Golf Club Ltd	1,448	181	157	156	138	164	180	141	180	140	176	163
Polk	2332	Town of Lake Hamilton	1,968	144	124	132	108	138	121	124	140	146	143	135
Polk	3415	Orchid Springs Development Corp	NA	77	78	80	72	69	69	62	67	.	.	66
Polk	4005	Crooked Lake Park Water Co	2,705	37	90	89	83	84	84	85	86	93	91	88
Polk	4607	City of Winter Haven	82,004	138	113	118	113	114	117	115	116	116	127	118
Polk	4658	City of Lake Wales	25,316	119	115	115	113	113	114	116	116	119	107	114
Polk	4912	City of Lakeland	185,394	110	105	105	94	90	91	82	92	76	80	84
Polk	5251	Grenelefe Resort LLC	2,712	171	229	196	239	516	306	210	305	247	286	271

## 2021 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	2021 Service Area Population	Calendar Year										Five Year Ave.
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Polk	5750	City of Davenport	13,239	108	119	94	103	118	113	137	142	158	153	141
Polk	5868	Rainbow Resort	989	.	.	.	.	.	.	128	126	109	119	121
Polk	5870	City of Frostproof	3,954	79	88	110	107	108	106	110	83	74	71	89
Polk	5893	Town of Dundee	7,483	127	78	95	139	102	105	108	108	122	108	110
Polk	6124	City of Mulberry	4,855	87	91	97	79	83	80	84	82	84	86	83
Polk	6174	Saddlebag Lake Owners Assn	1,332	69	67	77	64	65	68	66	60	73	94	72
Polk	6505	Polk Co. / Northwest Regional Serv. Area	34,205	89	79	80	77	79	84	80	85	86	93	86
Polk	6506	Polk Co. / Southwest Regional Serv. Area	45,859	79	75	78	77	76	79	73	74	77	82	77
Polk	6507	Polk Co. / Central Regional Serv. Area	15,108	70	63	64	72	72	70	68	74	81	85	76
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,058	75	93	105	108	122	109	108	120	124	120	116
Polk	6509	Polk Co. / Northeast Regional Serv. Area	92,298	103	93	99	104	96	93	100	93	90	93	94
Polk	6624	City of Lake Alfred	8,752	148	129	124	131	130	127	116	113	103	119	115
Polk	6920	City of Eagle Lake	5,234	111	105	97	90	96	114	84	81	100	76	91
Polk	7119	City of Auburndale	33,324	138	111	111	112	116	120	98	143	127	141	126
Polk	7187	CHC VII Century Realty / Lake Henry	1,482	164	157	98	82	79	105	108	102	95	115	105
Polk	7328	Carefree RV Country Club Winter Haven	980	79	60	80	71	61	111	81	67	67	106	87
Polk	7878	Florida Gov Utility Authority	2,280	66	64	65	67	65	66	62	60	60	62	62
Polk	8054	Polk Co. / East Regional Serv. Area	6,659	77	73	66	67	66	68	70	70	74	73	71
Polk	8344	S V Utilities LTD	1,379	140	135	119	75	103	106	101	105	92	101	101
Polk	8468	Town of Polk City	7,758	56	61	57	56	55	51	50	46	50	50	49
Polk	8522	City of Haines City	44,258	106	125	130	125	129	126	115	115	114	126	119
Polk	8753	Plantation Landings Ltd	NA	108	78	80	67	.	.	.	.	.	.	NA
Polk	8967	Sweetwater Community Inc	698	149	111	158	151	130	130	110	118	106	125	118
Polk	10141	Ovation Water Facility	379	.	.	.	.	.	.	.	.	31	96	64
Polk	12800	Polk County Utilities Jordan's Grove	2,235	.	.	.	.	.	134	30	238	109	50	112
Polk	13043	Cypress Lakes Utilities, Inc	3,005	51	80	82	62	62	64	59	75	52	41	58
Sarasota	2923	City of Northport	58,702	59	68	62	61	60	64	58	59	58	59	60
Sarasota	4318	City of Sarasota / Verna Wellfield	84,144	81	78	82	79	78	78	78	74	75	82	77
Sarasota	4866	Englewood Water District	38,260	52	65	59	45	57	63	75	76	79	76	74
Sarasota	5393	City of Venice	37,657	55	55	62	78	63	64	59	65	66	61	63

## 2021 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	2021 Service Area Population	Calendar Year										Five Year Ave.
				2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	
Sarasota	5807	Camelot Lakes Communities MHP	1,829	132	139	74	67	187	73	88	81	86	92	84
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	82	74	83	.	61	66	41	98	78	81	73
Sarasota	8836	Sarasota Co. / Univ. Parkway	257,733	80	75	76	79	81	81	81	80	81	80	81
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,466	63	64	64	58	64	68	64	66	62	63	65
Sumter	2622	Continental Country Club	NA	121	93	84	86	.	.	.	.	.	.	NA
Sumter	6519	City of Bushnell	3,903	118	146	142	145	88	87	125	121	112	111	111
Sumter	7185	City of Webster	1,010	89	89	143	56	62	72	88	99	100	87	89
Sumter	8135	City of Wildwood	16,399	130	133	67	72	62	98	98	110	132	150	118
Sumter	8193	City of Center Hill	1,163	45	52	59	73	64	71	56	56	59	60	60
Sumter	12584	Orange Blossom Utilities	222	.	.	.	.	.	.	.	.	185	194	190
Sumter	13005	The Villages of Marion & Sumter	91,775	148	154	145	145	169	135	94	92	107	103	106
Sumter	20597	City of Wildwood – Cont. Country Club	1,595	.	.	.	.	57	75	75	81	92	82	71
Sumter	20721	South Sumter Utility Company	15,966	.	.	.	.	.	.	.	101	67	56	75

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for specific year. This may occur if permit was issued less than ten years ago, or the permit no longer exists, or the PSAR was no longer required. Acronym "NA" (Not Applicable) is shown for Service Area Population where the value was not calculated because permit was not active in 2021.

# **2021 ESTIMATED WATER USE REPORT**

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**2021 ESTIMATED WATER USE REPORT**

**APPENDIX E**

**UNIFORM PER CAPITA REPORT**

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

## 2021 ESTIMATED WATER USE REPORT

**Table E-1. Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2021**

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.	1.412	Y	GW/RO	0.003	0.000	0.344	1.072	2,013	1.88	3,784	283	0.846	223
871	City of Punta Gorda	6.971	Y	SW	1.394	1.652	1.160	5.553	19,946	1.98	39,493	141	4.018	102
1512	Charlotte Harbor Water Association	0.514	Y	GW/RO	0.000	0.000	0.108	0.406	2,231	2.07	4,618	88	0.270	58
3522	Charlotte County Utilities	0.606	Y	GW/RO	0.000	0.000	0.130	0.476	3,573	2.18	7,789	61	0.317	41
7104	Charlotte Co BOCC	0.000	Y	GW/SW	11.581	0.272	0.113	11.196	66,340	2.20	145,948	77	7.876	54
<b>Charlotte County Totals</b>		<b>9.503</b>			<b>12.978</b>	<b>1.924</b>	<b>1.854</b>	<b>18.702</b>	<b>94,103</b>	<b>2.14</b>	<b>201,633</b>	<b>93</b>	<b>13.327</b>	<b>66</b>
<b>CITRUS COUNTY</b>														
207	City of Crystal River	0.689	Y	GW	0.023	0.000	0.025	0.687	2,338	2.08	4,863	141	0.261	54
419	City of Inverness	1.150	Y	GW	0.000	0.000	0.007	1.143	4,175	2.17	9,060	126	0.573	63
1118	Floral City Water Assoc Inc	0.311	Y	GW	0.000	0.000	0.007	0.304	2,487	2.17	5,397	56	0.266	49
2842	Citrus County Water Resources	2.602	Y	GW	0.000	0.000	0.028	2.573	8,912	2.43	21,656	119	2.034	94
4153	Rolling Oaks Utilities Inc	1.548	Y	GW	0.000	0.000	0.068	1.481	5,888	2.04	12,012	123	1.083	90
4406	Homosassa Special Water Dist	0.846	Y	GW	0.000	0.043	0.005	0.798	2,537	2.08	5,277	151	0.404	76
6691	Gulf Highway Land Corporation	0.061	Y	GW	0.000	0.000	0.000	0.061	283	2.14	606	101	0.057	94
7121	Citrus County & WRWSA	4.736	Y	GW	0.000	0.446	0.045	4.245	12,876	2.14	27,555	154	2.887	105
9097	Tarawood Utilities	0.008	Y	GW	0.000	0.000	0.000	0.008	73	2.36	172	46	0.005	31
9791	Citrus County Water Resources	2.165	Y	GW	0.000	0.000	0.025	2.140	7,073	2.08	14,712	145	1.269	86
11839	GCP Walden Woods One LLC	0.173	Y	GW	0.000	0.000	0.000	0.173	522	1.99	1,039	166	0.127	122
20230	Ozello Water Association Inc	0.000	Y	GW	0.400	0.000	0.002	0.398	2,053	1.99	4,085	97	0.208	51
<b>Citrus County Totals</b>		<b>14.289</b>			<b>0.423</b>	<b>0.489</b>	<b>0.212</b>	<b>14.010</b>	<b>49,217</b>	<b>2.16</b>	<b>106,433</b>	<b>132</b>	<b>9.175</b>	<b>86</b>
<b>DESOTO COUNTY</b>														
4725	City of Arcadia	0.622	Y	GW	0.158	0.000	0.015	0.765	4,319	2.83	12,223	63	0.522	43
20457	DeSoto County Utilities	0.000	Y	SW/GW	0.660	0.160	0.009	0.491	2,946	2.33	6,864	71	0.205	30
<b>DeSoto County Totals</b>		<b>0.622</b>			<b>0.818</b>	<b>0.160</b>	<b>0.024</b>	<b>1.256</b>	<b>7,265</b>	<b>2.63</b>	<b>19,087</b>	<b>66</b>	<b>0.727</b>	<b>38</b>
<b>HARDEE COUNTY</b>														
30	City of Bowling Green	0.245	Y	GW	0.000	0.000	0.000	0.244	1,399	3.57	4,994	49	0.171	34



## 2021 ESTIMATED WATER USE REPORT

**Table E-1. Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2021**

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)
4461	City of Wauchula	0.656	Y	GW	0.000	0.000	0.012	0.644	2,188	3.10	6,783	95	0.369	54
7658	Town of Zolfo Springs	0.147	Y	GW	0.000	0.000	0.004	0.144	823	3.51	2,889	50	0.089	31
13026	Hardee County BOCC*	0.206	Y	GW	0.000	0.000	0.005	0.201	950	3.23	3,069	66	0.161	53
<b>Hardee County Totals</b>		<b>1.255</b>			<b>0.000</b>	<b>0.000</b>	<b>0.021</b>	<b>1.233</b>	<b>5,360</b>	<b>3.31</b>	<b>17,734</b>	<b>70</b>	<b>0.790</b>	<b>45</b>
<b>HERNANDO COUNTY</b>														
5789	Hernando Co Utilities	20.083	Y	GW	0.000	0.000	0.237	19.846	65,530	2.37	155,306	128	14.653	94
7627	City of Brooksville	1.333	Y	GW	0.000	0.000	0.013	1.319	7,274	2.29	16,657	79	0.867	52
<b>Hernando County Totals</b>		<b>21.416</b>			<b>0.000</b>	<b>0.000</b>	<b>0.251</b>	<b>21.165</b>	<b>72,804</b>	<b>2.36</b>	<b>171,964</b>	<b>123</b>	<b>15.520</b>	<b>90</b>
<b>HIGHLANDS COUNTY</b>														
4167	Aqua Utilities Florida Inc	0.101	Y	GW	0.000	0.000	0.002	0.099	672	2.17	1,458	68	0.070	48
4492	City of Sebring	3.953	Y	GW	0.000	0.000	0.057	3.896	16,632	2.17	36,091	108	2.650	73
4980	Lake Placid Holding Co	0.438	Y	GW	0.000	0.000	0.004	0.433	2,107	2.35	4,951	87	0.245	49
5270	Town of Lake Placid	0.645	Y	GW	0.000	0.000	0.006	0.639	3,116	2.28	7,104	90	0.361	51
6029	City of Avon Park	2.176	Y	GW	0.000	0.000	0.082	2.094	9,222	2.50	23,055	91	1.420	62
7139	Buttonwood Bay Utilities	0.184	Y	GW	0.000	0.000	0.013	0.171	940	1.74	1,636	105	0.106	65
13099	Sun N Lake of Sebring District	0.767	Y	GW	0.000	0.000	0.057	0.710	3,782	2.19	8,283	86	0.421	51
<b>Highlands County Totals</b>		<b>8.264</b>			<b>0.000</b>	<b>0.000</b>	<b>0.221</b>	<b>8.043</b>	<b>36,471</b>	<b>2.26</b>	<b>82,579</b>	<b>97</b>	<b>5.273</b>	<b>64</b>
<b>HILLSBOROUGH COUNTY</b>														
450	City of Temple Terrace	4.234	Y	GW	0.000	0.000	0.397	3.837	12,508	2.37	29,644	129	2.477	84
1776	City of Plant City	6.202	Y	GW	0.268	0.081	0.069	6.320	14,947	2.86	42,748	148	2.958	69
2062	City of Tampa Water Dept	80.409	Y	SW	0.053	1.588	3.069	75.805	260,957	2.41	628,906	121	43.682	69
2285	Davpam Mobile Home	0.166	Y	GW	0.000	0.000	0.002	0.164	431	3.09	1,332	123	0.162	122
6879	The Meadows at Countrywood	0.208	Y	GW	0.000	0.000	0.000	0.208	1,223	1.70	2,079	100	0.206	99
7637	Riverside Golf Course	0.378	Y	SW/ GW	0.000	0.056	0.003	0.319	654	2.07	1,354	236	0.322	238
7790	Paradise Village MHP	0.142	Y	GW	0.000	0.000	0.001	0.140	583	2.71	1,580	89	0.129	82
10443	Windemere Utility Company	0.265	Y	GW	0.000	0.000	0.002	0.263	1,021	2.70	2,757	96	0.263	96
20141	Hillsborough County*	0.000	Y	SW/GW	74.300	0.000	0.743	73.557	263,873	2.62	691,347	106	58.075	84

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<b>Hillsborough County Totals</b>		<b>92.004</b>			<b>74.621</b>	<b>1.725</b>	<b>4.286</b>	<b>160.614</b>	<b>556,197</b>	<b>2.52</b>	<b>1,401,747</b>	<b>115</b>	<b>108.274</b>	<b>77</b>
There were no Public Supply Water Use Permits in the SWFWMD portion of Lake County														
<b>LEVY COUNTY</b>														
5640	City of Williston	0.575	Y	GW	0.000	0.000	0.051	0.524	1,885	2.57	4,844	108	0.213	44
8953	Town of Inglis	0.194	Y	GW	0.000	0.001	0.060	0.133	776	2.13	1,653	81	0.079	48
<b>Levy County Totals</b>		<b>0.769</b>			<b>0.000</b>	<b>0.001</b>	<b>0.111</b>	<b>0.657</b>	<b>2,661</b>	<b>2.44</b>	<b>6,497</b>	<b>101</b>	<b>0.292</b>	<b>45</b>
<b>MANATEE COUNTY</b>														
6392	City of Bradenton	6.232	N	SW	0.215	0.011	0.276	6.159	32,503	2.23	72,482	85	4.240	58
10963	Town of Longboat Key*	0.000	Y	SW	1.911	0.000	0.025	1.887	9,454	1.77	16,734	113	1.574	94
12443	City of Palmetto*	0.000	Y	SW/GW	1.391	0.009	0.014	1.368	7,615	2.56	19,494	70	0.810	42
13343, 7345	Manatee County Utilities	46.215	Y	SW/GW	1.150	7.438	2.942	36.986	166,596	2.34	389,835	95	25.191	65
<b>Manatee County Totals</b>		<b>52.447</b>			<b>4.666</b>	<b>7.457</b>	<b>3.257</b>	<b>46.400</b>	<b>216,168</b>	<b>2.31</b>	<b>498,544</b>	<b>93</b>	<b>31.814</b>	<b>64</b>
<b>MARION COUNTY</b>														
1156	Bay Laurel CDD	3.611	Y	GW	0.000	0.000	0.101	3.510	9,432	1.74	16,412	214	3.069	187
2999	Marion Utilities Inc	0.095	Y	GW	0.000	0.000	0.001	0.095	500	2.28	1,140	83	0.076	67
5643	Utilities Inc of Florida	0.132	Y	GW	0.000	0.000	0.001	0.131	504	2.04	1,028	128	0.111	108
6151	Marion County Utilities	5.741	Y	GW	0.000	0.000	0.040	5.701	18,969	2.26	42,870	133	4.544	106
7849	Marion Utilities Inc	0.103	Y	GW	0.000	0.000	0.000	0.103	507	2.27	1,151	90	0.105	91
8020	Marion Landings	0.129	Y	GW	0.000	0.000	0.000	0.129	598	1.88	1,124	115	0.106	95
8339	City of Dunnellon	1.280	Y	GW	0.000	0.000	0.013	1.267	3,152	2.05	6,462	196	0.382	59
8481	Marion Utilities Inc, Spruce Creek	0.924	Y	GW	0.000	0.000	0.000	0.924	2,912	2.56	7,455	124	0.826	111
<b>Marion County Totals</b>		<b>12.015</b>			<b>0.000</b>	<b>0.000</b>	<b>0.155</b>	<b>11.860</b>	<b>36,574</b>	<b>2.12</b>	<b>77,641</b>	<b>153</b>	<b>9.220</b>	<b>119</b>
<b>PASCO COUNTY</b>														
279	Florida Gov Utility Authority	0.327	Y	GW	0.000	0.000	0.001	0.326	1,778	2.39	4,249	77	0.210	49
590	Mad Hatter Utility Inc	0.810	Y	GW	0.000	0.000	0.003	0.807	3,178	2.65	8,422	96	0.587	70
1631	City of Dade City	1.680	Y	GW	0.000	0.000	0.017	1.663	4,946	2.66	13,156	126	1.129	86

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2978	Florida Gov Utility Authority	0.714	Y	GW	0.017	0.000	0.015	0.716	2,817	1.93	5,437	132	0.499	92
3182	Florida Gov Utility Authority	2.292	Y	GW	0.403	0.000	0.076	2.619	13,620	2.41	32,824	80	2.009	61
3590	Utilities Inc of Florida	0.250	Y	GW	0.000	0.000	0.001	0.248	1,794	2.04	3,660	68	0.181	49
3692	City of Port Richey	0.754	Y	GW	0.032	0.000	0.030	0.755	3,144	2.13	6,697	113	0.331	49
4550	City of San Antonio	0.169	Y	GW	0.000	0.000	0.001	0.168	686	2.56	1,756	96	0.121	69
4669	Hudson Water Works Inc	0.698	Y	GW	0.000	0.000	0.007	0.691	3,422	2.06	7,049	98	0.444	63
4734	City of New Port Richey	0.251	Y	GW	5.167	2.038	0.031	3.350	15,020	2.13	31,993	105	1.697	53
6040	City of Zephyrhills	2.452	Y	GW	0.000	0.017	0.029	2.406	14,062	2.21	31,077	77	1.425	46
7999	Florida Gov Utility Authority	0.135	Y	GW	0.000	0.000	0.001	0.134	738	2.76	2,037	66	0.116	57
8417	Florida Gov Utility Authority	0.110	Y	GW	0.352	0.000	0.008	0.454	3,376	2.30	7,765	58	0.334	43
11863	Pasco Co Utilities	1.865	Y	GW	33.933	0.898	0.387	34.512	135,190	2.47	333,919	103	25.509	76
<b>Pasco County Totals</b>		<b>12.506</b>			<b>39.903</b>	<b>2.953</b>	<b>0.608</b>	<b>48.848</b>	<b>203,771</b>	<b>2.40</b>	<b>490,041</b>	<b>100</b>	<b>34.590</b>	<b>71</b>
<b>PINELLAS COUNTY</b>														
742	City of Tarpon Springs	3.891	Y	GW/RO	0.005	0.047	1.232	2.617	12,516	2.25	28,161	93	1.753	62
2980	City of Dunedin	4.534	Y	GW/RO	0.000	0.000	0.883	3.651	22,797	2.02	46,050	79	2.468	54
2981	City of Clearwater	6.872	Y	GW/RO	4.963	0.000	0.594	11.241	61,403	2.15	132,016	85	7.073	54
7692	Town of Belleair	0.852	Y	GW	0.005	0.000	0.040	0.818	2,704	2.15	5,814	141	0.735	126
10795	City of Gulfport*	0.000	Y	GW	0.897	0.000	0.000	0.897	7,739	1.98	15,323	59	0.712	46
11218	City of Oldsmar*	1.919	Y	GW/RO	0.003	0.000	0.557	1.364	6,586	2.49	16,399	83	0.907	55
11245	City of Safety Harbor*	0.000	Y	GW	1.325	0.000	0.000	1.325	6,835	2.33	15,926	83	1.256	79
12351	City of Pinellas Park*	0.000	Y	GW	4.843	0.000	0.000	4.843	26,870	2.29	61,532	79	3.410	55
20142	Pinellas County*	0.000	Y	GW	49.698	10.883	0.427	38.388	235,642	2.13	501,917	76	25.214	50
20143	City of St Petersburg*	0.000	Y	GW	26.970	0.898	0.744	25.328	158,276	2.16	341,876	74	16.687	49
<b>Pinellas County Totals</b>		<b>18.068</b>			<b>88.709</b>	<b>11.828</b>	<b>4.477</b>	<b>90.472</b>	<b>541,368</b>	<b>2.15</b>	<b>1,165,015</b>	<b>78</b>	<b>60.214</b>	<b>52</b>
<b>POLK COUNTY</b>														
341	City of Bartow	3.242	Y	GW	0.000	0.000	0.190	3.052	9,385	2.72	25,527	120	1.865	73
645	City of Fort Meade	0.586	Y	GW	0.000	0.000	0.000	0.586	2,135	2.88	6,149	95	0.390	63

## 2021 ESTIMATED WATER USE REPORT

**Table E-1. Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2021**

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)
1625	Four Lakes Golf Club Ltd	0.413	Y	GW	0.000	0.000	0.004	0.409	814	1.81	1,473	278	0.190	129
2332	Town of Lake Hamilton	0.293	Y	GW	0.000	0.000	0.003	0.290	817	2.50	2,043	142	0.101	50
4005	Crooked Lake Park Water Company	0.219	Y	GW	0.030	0.000	0.002	0.247	1,057	2.62	2,769	89	0.173	62
4607	City of Winter Haven	10.616	Y	GW	0.000	0.000	0.218	10.399	33,787	2.42	81,765	127	6.896	84
4658	City of Lake Wales	2.776	Y	GW	0.000	0.030	0.028	2.718	10,617	2.46	26,118	104	1.778	68
4912	City of Lakeland	23.439	Y	GW	0.000	0.609	0.053	22.777	71,790	2.48	178,039	128	14.596	82
5251	Grenelefe Resort LLC	1.018	Y	GW	0.000	0.000	0.002	1.016	1,229	2.31	2,839	358	0.448	158
5750	City of Davenport	2.030	Y	GW	0.000	0.000	0.000	2.030	4,940	2.91	14,375	141	1.646	114
5868	Rainbow Resort	0.119	Y	GW	0.000	0.000	0.001	0.118	499	2.09	1,043	113	0.114	109
5870	City of Frostproof	0.348	Y	GW	0.000	0.000	0.002	0.346	1,650	2.46	4,059	85	0.232	57
5893	Town of Dundee	0.813	Y	GW	0.000	0.000	0.008	0.805	2,804	2.71	7,599	106	0.647	85
6124	City of Mulberry	0.417	Y	GW	0.000	0.000	0.001	0.417	1,888	2.53	4,777	87	0.246	52
6174	Saddlebag Lake Owners Assoc	0.125	Y	GW	0.000	0.000	0.000	0.125	795	1.71	1,359	92	0.120	89
6505	Polk County Utilities	3.044	Y	GW	0.172	0.000	0.033	3.183	13,015	2.72	35,401	90	2.706	76
6506	Polk County Utilities	3.802	Y	GW	0.057	0.054	0.037	3.767	16,500	2.86	47,190	80	3.443	73
6507	Polk County Utilities	1.310	Y	GW	0.000	0.000	0.023	1.287	5,494	2.79	15,328	84	1.025	67
6508	Polk County Utilities	0.617	Y	GW	0.000	0.000	0.009	0.607	1,624	2.74	4,450	136	0.229	52
6509	Polk County Utilities	7.528	Y	GW	2.120	1.054	0.027	8.566	31,171	2.64	82,291	104	7.382	90
6624	City of Lake Alfred	1.041	Y	GW	0.000	0.000	0.000	1.041	3,235	2.44	7,893	132	0.797	101
6920	City of Eagle Lake	0.405	Y	GW	0.000	0.000	0.005	0.400	1,817	3.12	5,669	71	0.366	64
7119	City of Auburndale	5.944	Y	GW	0.000	0.000	0.001	5.944	12,631	2.61	32,967	180	3.308	100
7187	CHC VII Ltd Century Realty Fund	0.264	Y	GW	0.000	0.000	0.003	0.262	869	1.73	1,503	174	0.136	91
7328	Carefree RV Country Club	0.148	Y	GW	0.000	0.000	0.000	0.148	500	1.99	995	149	0.089	90
7878	Florida Gov Utility Authority	0.142	Y	GW	0.000	0.000	0.001	0.141	857	2.77	2,374	59	0.119	50
8054	Polk County Utilities	0.496	Y	GW	0.000	0.000	0.009	0.488	2,559	2.54	6,500	75	0.350	54
8344	S V Utilities Ltd	0.140	Y	GW	0.000	0.000	0.001	0.139	705	1.99	1,403	99	0.105	75
8468	City of Polk City	0.432	Y	GW	0.000	0.000	0.041	0.391	2,569	2.67	6,859	57	0.352	51

## 2021 ESTIMATED WATER USE REPORT

**Table E-1. Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2021**

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
8522	City of Haines City	6.071	Y	GW	0.000	0.000	0.068	6.004	16,417	2.87	47,117	127	3.822	81
8967	Sweetwater Community Inc	0.138	Y	GW	0.000	0.000	0.000	0.138	416	1.70	707	195	0.087	123
10141	Polk Co Util Ovation Facility	0.000	Y	GW	0.037	0.000	0.000	0.037	145	2.81	407	NA	0.023	NA
12800	Polk Co BOCC Jorden's Grove	0.000	Y	GW	0.111	0.000	0.000	0.111	759	3.35	2,543	44	0.104	41
13043	Cypress Lakes Utilities Inc	0.208	Y	GW	0.000	0.000	0.003	0.205	1,604	1.89	3,032	68	0.176	58
<b>Polk County Totals</b>		<b>78.188</b>			<b>2.527</b>	<b>1.748</b>	<b>0.773</b>	<b>78.193</b>	<b>257,094</b>	<b>2.58</b>	<b>664,564</b>	<b>118</b>	<b>54.058</b>	<b>81</b>
<b>SARASOTA COUNTY</b>														
2923	City of North Port	1.205	Y	SW/GW/RO	2.547	0.039	0.245	3.469	24,958	2.43	60,648	57	2.327	38
4318	City of Sarasota Public Works	8.418	Y	GW/RO	0.000	0.000	1.545	6.873	33,105	2.08	68,858	100	3.964	58
4866	Englewood Water District	4.235	Y	GW/RO	0.000	0.129	1.209	2.898	20,201	1.91	38,584	75	2.058	53
5393	City of Venice	4.502	Y	GW/RO	0.000	0.000	2.193	2.309	20,076	1.76	35,334	65	1.677	47
5807	Camelot Communities MHP	0.311	Y	GW/RO	0.000	0.000	0.000	0.311	969	1.92	1,860	167	0.311	167
7448	SNF Property, LLC	0.120	Y	GW/RO	0.000	0.000	0.012	0.108	1,519	1.91	2,901	37	0.108	37
8836	Sarasota County BOCC	4.564	Y	GW/RO	17.845	0.916	0.882	20.611	122,157	2.10	256,530	80	15.083	59
<b>Sarasota County Totals</b>		<b>23.355</b>			<b>20.392</b>	<b>1.084</b>	<b>6.085</b>	<b>36.579</b>	<b>222,985</b>	<b>2.08</b>	<b>464,715</b>	<b>79</b>	<b>25.528</b>	<b>55</b>
<b>SUMTER COUNTY</b>														
1368	Lake Panasoffkee Water Assoc	0.280	Y	GW	0.000	0.000	0.000	0.280	2,120	2.26	4,791	59	0.228	48
6519	City of Bushnell	0.437	Y	GW	0.000	0.000	0.004	0.434	1,636	2.41	3,943	110	0.213	54
7185	City of Webster	0.088	Y	GW	0.000	0.000	0.001	0.088	400	2.62	1,048	84	0.043	41
8135	City of Wildwood	2.482	Y	GW	0.000	0.000	0.025	2.457	4,339	2.30	9,980	246	0.853	85
8193	City of Center Hill	0.071	Y	GW	0.000	0.000	0.001	0.070	373	3.12	1,164	60	0.052	44
12584	Orange Blossom Utilities	0.044	Y	GW	0.000	0.000	0.001	0.043	41	3.25	133	NA	0.019	NA
13005	The Villages of Marion & Sumter	21.948	Y	GW/SW	0.000	0.000	0.206	21.742	49,926	1.84	91,864	237	18.120	197
20597	Continental Country Club	0.135	Y	GW	0.000	0.000	0.003	0.131	932	1.74	1,622	81	0.086	53
20721	South Sumter Utility Co.	0.909	Y	GW	0.000	0.000	0.009	0.900	7,938	2.08	16,511	55	0.603	37
<b>Sumter County Totals</b>		<b>26.395</b>			<b>0.000</b>	<b>0.000</b>	<b>0.250</b>	<b>26.145</b>	<b>67,705</b>	<b>1.94</b>	<b>131,055</b>	<b>199</b>	<b>20.217</b>	<b>154</b>
<b>DISTRICT TOTALS</b>		<b>371.094</b>			<b>245.037</b>	<b>29.369</b>	<b>22.585</b>	<b>564.178</b>	<b>2,369,743</b>	<b>2.32</b>	<b>5,499,250</b>	<b>103</b>	<b>389.019</b>	<b>71</b>

## **2021 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 annual data was submitted, the estimated housing units served was based on parcel-level BEBR-MED projections published in 2021 (GIS Associates) ÷ U.S. Census Persons Per Household.
  - 7 AVG PPH = U.S. Census Persons Per Household by utility service area. The source data is available under Section B-2 at:  
<https://www.swfwmd.state.fl.us/resources/data-maps/section-b-data-and-methods-estimating-service-area-population-served>
  - 8 RESIDENTIAL POPULATION SERVED = (housing units served reported by the utility) \* (Census utility service area average persons per household). If no annual data was received, the estimated housing units served was based on parcel-level BEBR-MED Projections published in 2021 (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.

**2021 ESTIMATED WATER USE REPORT**

**APPENDIX F**

**ESTIMATED WATER USE REPORT  
HISTORY AND METHODOLOGY**

## **2021 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 with required metering were metered. The SWUCA was established in 1992, 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 in annual average quantities. Each of the active withdrawal points on the WUP have their own permitted allocation, and the sum of those withdrawal 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, location, purpose, and intended use. These codes facilitate analyses for the annual EWU Reports.

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



## **2021 ESTIMATED WATER USE REPORT**

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

- Agriculture (A\_\_ or L\_\_ for livestock)
- Public Supply (P\_\_)
- Landscape/Recreation (R\_\_)
- Industrial/Commercial (I\_\_)
- Mining/Dewatering (M\_\_)
- Institutional (N\_\_)
- Other (O\_\_)

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

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

WMIS uses several other alphanumeric codes to define WUP and withdrawal point characteristics. WUP attributes that are queried for the EWU Report include the permit number, revision number, issue date, delete date, active status code, county, water use caution area, total permitted annual average, and maximum daily quantities. The queried withdrawal point attributes include site ID numbers, withdrawal type, status, use function, operation code, permitted annual average and maximum daily quantities, latitude/longitude, county, and codes for metering and pumpage conditions. The water use codes for each WUP are queried and stored in a parallel dataset and include the predominant and detailed use type, a use ID number, and permitted quantity per detailed use.

All WUPs have revision numbers which track the former, current, and proposed versions of the WUP, and the revisions have a status code to indicate which revision is currently active. When a new WUP application or modification request is received, it's given a status of "Submitted." When the WUP is officially issued and active, the status is changed to "Approved." Former inactive WUPs may have a status of "Expired," "Cancelled," "Withdrawn," or "Denied." The permitted quantities described in this report are based on the active WUP revisions at the end of the year. WUPs that officially expired before the end of year may still be listed in the report to represent their withdrawals; or, if the withdrawal points were transferred to a different WUP, the prior withdrawals may be counted with the new WUP.

### **ESTIMATED WATER USE REPORT METHODOLOGY**

A suite of SAS programs is used to extract and process WUP data from the WMIS database. These program scripts were initially created in 1994 and have been modified over time to conform with District boundaries, updated coding, and some changes to what data is queried or excluded during analysis. The basic methodology hasn't changed much and is described below.

## 2021 ESTIMATED WATER USE REPORT

### **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.

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 2021 EWU Report was last queried on October 12th, 2022.

### **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
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## **2021 ESTIMATED WATER USE REPORT**

<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)
<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

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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. Any changes to WMIS pumpage records require the permittee's written approval. If corrections are made in the WMIS database, they can be captured when the pumpage snapshot is rerun. If the approval is not acquired, or a correction can't otherwise be made before the final pumpage query, the EWU author may take liberty of inserting a more realistic value in the EWU pumpage dataset.

### **Data Compilation and Estimations**

The reviewed EWU permit and pumpage datasets are processed by SAS programs that sum by predominant use categories and calculate water use estimates for all non-metered withdrawal points. The estimates are based on withdrawn/permitted ratios of metered withdrawal points. Some adjustments and grouping are necessary to generate effective ratios.

*Scaling:* If a WUP's multiple withdrawal points have permit quantities that do not sum equal the WUP's total permitted quantity, a "scaled" permitted value is automatically applied to each withdrawal point on the WUP to match the permitted quantity. The scaled quantity is used for calculating permitted quantities for specific use categories and for estimating pumpage on non-metered withdrawal points.

*Fractioning:* WUPs coded with two or more predominant use categories have their withdrawal totals fractioned based on the permitted quantity for each predominant use. The calculated shares are assigned to the predominant use categories in the EWU tables and charts. This simplifies the data processing but can potentially create inaccuracies. For quality assurance, the author reviews several significantly large WUPs by comparing the calculated shares to audits of metered wells with specific uses identified, and adjusts data where appropriate.

*Quantity Tiers:* For estimation purposes, all active withdrawal points are assigned one of four "tiers" according to the withdrawal point's permitted quantity:

<i>Tier #</i>	<i>Permitted Quantity</i>
Tier 1:	< 50,000 gpd
Tier 2:	50,000 to 100,000 gpd
Tier 3:	> 100,000 to < 500,000 gpd
Tier 4:	500,000 gpd or more.

The four size tiers are applied to each of the seven predominant use categories, making 28 "use-tier" groups. The groups are further sorted into monthly blocks. A ratio for each block is calculated based on the representative metered/permitted quantity. All metered withdrawal points are included in the process of determining the pumped/permitted ratios. Ratio values are sorted into an ordered distribution from smallest to largest ratio for statistical analysis.

In a normal distribution, the 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/permitted ratio distributions are typically skewed to the right (i.e., the mean average is greater than the median). At the low end of the distribution, pumpage data includes zeros for withdrawal points that are unused or unrecorded. At the high end, some ratios could be much greater than 1.0 due to over-pumpage or erroneous outliers. To negate the effects that bad end-values can have on the mean average, percentiles are used to select the most plausible ratios for estimation. A range of percentiles from the 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

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months. A SAS graphing program is used to evaluate each use-tier. The monthly ratios in each use-tier that were used for the 2021 EWU Report are provided in Table F-1 below.

**TABLE F-1. Monthly pumped/permitted Ratios used for Water Use Estimates, 2021**

Predominant Use Type	Size Tier	Monthly Ratios												Annual Ave	Metered Percentile
		1	2	3	4	5	6	7	8	9	10	11	12		
Agriculture	1	0.57	0.69	1.27	1.02	1.58	0.59	0.08	0.22	0.2	1.2	0.6	0.73	0.729	P70
Agriculture	2	0.52	0.61	1.03	0.86	1.24	0.58	0.06	0.14	0.14	0.81	0.48	0.63	0.592	P60
Agriculture	3	0.32	0.35	0.66	0.55	0.75	0.19	0	0.01	0.06	0.44	0.27	0.36	0.330	P55
Agriculture	4	0.11	0.14	0.37	0.51	0.63	0.09	0	0	0.03	0.38	0.24	0.04	0.212	P65
Industrial/Com	1	0.55	0.41	0.19	0.69	0.65	0.65	0.37	0.32	0.11	0.32	0.03	0.28	0.381	P55
Industrial/Com	2	0.67	0.52	0.79	0.63	0.95	0.52	0.31	0.44	0.47	0.57	0.27	0.58	0.560	P60
Industrial/Com	3	0.3	0.38	0.39	0.44	0.44	0.24	0.18	0.26	0.21	0.26	0.22	0.27	0.299	P55
Industrial/Com	4	0.47	0.44	0.44	0.52	0.61	0.5	0.5	0.51	0.47	0.49	0.49	0.47	0.493	P60
Institutional	1	0.14	0.66	0.19	0.09	0.19	0.17	0.04	0.1	0.44	0.28	0.18	0.05	0.211	P75
Institutional	2	0.23	0.67	0.45	0.42	0.46	0.48	0.36	0.50	0.62	0.63	0.50	0.45	0.479	P50
Institutional	3	0.31	0.67	0.71	0.75	0.72	0.78	0.67	0.9	0.8	0.98	0.82	0.85	0.747	P50
Institutional	4	0.31	0.67	0.71	0.75	0.72	0.78	0.67	0.9	0.8	0.98	0.82	0.85	0.747	P50
Landscape/Rec	1	0.51	0.5	0.85	0.77	1.24	0.89	0.42	0.36	0.38	0.76	0.73	0.78	0.683	P65
Landscape/Rec	2	0.33	0.34	0.76	0.75	1.01	0.63	0.23	0.17	0.2	0.47	0.29	0.45	0.469	P60
Landscape/Rec	3	0.38	0.38	0.78	0.89	1.19	0.59	0.36	0.32	0.27	0.8	0.49	0.53	0.582	P55
Landscape/Rec	4	0.02	0.13	1.18	0.86	1.49	0.82	0.16	0.15	0.28	0.81	0.7	0.66	0.605	P55
Mining/Dew	1	0.25	0.26	0.3	0.22	0.24	0.2	0.25	0.24	0.15	0	0.4	1.63	0.345	P60
Mining/Dew	2	0.09	0.43	0.48	0.58	0.37	0.27	0.25	0.03	0.03	0	0.01	0	0.212	P60
Mining/Dew	3	0.59	0.48	0.32	0.34	0.31	0.31	0.28	0.21	0.19	0.06	0.05	0.19	0.278	P50
Mining/Dew	4	0.2	0.28	0.37	0.46	0.51	0.49	0.28	0.36	0.13	0.15	0.16	0.26	0.304	P65
Other	1	1.07	0.78	0.71	0.74	1.52	1.18	0.63	0.56	0	0	0	0	0.654	P60
Other	2	1.1	1.56	0.98	0.97	1.14	1.03	0.36	0.63	0	0.19	0.41	0	0.761	P50
Other	3	0	0.46	0.51	0.48	0.74	0.73	0.47	0.23	0	0	0	0	0.302	P60
Other	4	0.04	0	0.05	0.11	0.41	0.44	0.07	0	0	0	0	0	0.093	P50
Public Supply	1	0.95	0.83	1.11	0.93	1.13	0.57	0.52	0.5	0.4	0.7	0.69	0.83	0.763	P60
Public Supply	2	0.76	0.8	0.88	0.93	1.05	0.77	0.78	0.78	0.72	0.82	0.66	0.76	0.809	P55
Public Supply	3	0.7	0.68	0.81	0.78	0.9	0.77	0.71	0.69	0.71	0.76	0.72	0.77	0.750	P55
Public Supply	4	0.65	0.75	0.83	0.82	1.02	0.78	0.71	0.68	0.71	0.77	0.68	0.75	0.763	P55

*Estimating Withdrawals for Unmetered WUPs:* All the active non-metered WUP withdrawal points are assigned a use-tier. A SAS program multiplies each non-metered withdrawal point's scaled permit quantity to the corresponding ratio to estimate its monthly pumpage. The monthly estimates, as opposed to annual estimates, are generated to provide data that the District can use for simulating monthly well pumpage in hydrologic models and for other scientific purposes.

*Final Compilation:* SAS programs combine the metered and estimated monthly pumpage data to compile the annual average withdrawal totals per predominant and detailed use categories, water source, county, and water use caution areas. Tables and WUP listings are generated that are close to the final versions contained in the report. The author uses the program output to generate much of the charts, tables, and appendices, but also audits many of the large or complicated WUPs for comparison and adjustments.

Water utility data from the Public Supply Annual Reports (PSARs) is reviewed by staff for compliance and demographic analysis. PSAR data is a primary source for the public supply tables, but the PSAR data is cross-checked with the SAS output for quality assurance. More information on PSARs is below and in the public supply chapter.

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Since the domestic self-supply withdrawals are not permitted, nor have pumpage records, the estimates must be 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 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. The rural population data was queried from a U.S. Census parcel-level, centroid-point based, population shapefile including permanent/seasonal, tourist, and net commuter populations. The census points were clipped inside the District boundary and outside of polygons for active public supply utility service areas. The GIS shapefiles are available under "Demographics" on the District's Geospatial Data Portal:

<https://data-swfwmd.opendata.arcgis.com/>.

The countywide self-supplied population was multiplied by the countywide average residential water use per capita (from Table A-2). It's assumed that the residential per capita effectively accounts for weather influences on outdoor water use during the year.

This DSS methodology does not account for residential irrigation use by public supply utility customers who use small wells for irrigation only. If needed, such estimates are projected in 5-year increments in the District's Regional Water Supply Plan, Appendix 3-3, Table 23, available at: <https://www.swfwmd.state.fl.us/resources/plans-reports/rwsp>

### **UTILIZATION OF PUBLIC SUPPLY ANNUAL REPORTS**

The EWU Reports include data from the PSARs that are submitted by the larger public supply utilities. A permittee having a public supply WUP issued for 100,000 gpd or greater is required under Chapter 40D-2, Florida Administrative Code (F.A.C), to submit a PSAR by April 1 of each year. A considerable amount of staff time is placed into review of the PSARs, and the data is used to support water supply planning, water use permitting, and water conservation. Historically, some discrepancies have occurred between the PSAR-sourced public supply withdrawals and those calculated from the WMIS monthly pumpage records. The PSAR data was used as the principal source for public supply withdrawals and use in this report. Nearly all discrepancies between the WMIS and PSAR withdrawal data were reconciled by District and utility staff prior to publication. Some differences between the official PSAR submittals and values in Appendix A of this report for permittees are possible, due to the authors' liberty to provide the best estimates of water use within the calendar year. PDFs of the official PSAR submittals can be downloaded by finding the WUP with the District's Permit Mapping tool at the link below. Select the permit area, the WMIS hyperlink "More Info," then look under the "documents" tab for "Public Supply Annual Report" or "Public Supply Survey."

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

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