

Southwest Florida Water Management District 2023 Estimated Water Use Report



Little Manatee River State Park

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Southwest Florida Water Management District

2023 Estimated Water Use Report

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

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2023 ESTIMATED WATER USE REPORT

Table of Contents

Executive Summary	7
Introduction	9
Public Supply	16
Domestic Self-Supply	23
Landscape/Recreation	26
Agriculture	30
Withdrawal/Use.	30
Mining/Dewatering .	34
Industrial/Commercial	38
Institutional and “Other”	42
Districtwide Totals	45

LIST OF FIGURES

Figure 1. SWFWMD Counties and Water Use Caution Areas	10
Figure 2. Watershed Areas of Upper Myakka River and Shell, Prairie, and Joshua Creeks	11
Figure 3. Water Use Permits in the SWFWMD	13
Figure 4. Percentage of Public Supply Withdrawal & Use by County	21
Figure 5. Public Supply Monthly Withdrawal and Monthly Regional Rainfall	22
Figure 6. Percentage of Estimated Domestic Self-supply Water Use by County	25
Figure 7. Percentage of Landscape/Recreation Water Use by County	29
Figure 8. Landscape/Recreation Monthly Withdrawals and Monthly Regional Rainfall	29
Figure 9. Percentage of Agriculture Water Use by County	33
Figure 10. Agriculture Monthly Withdrawals and Monthly Regional Rainfall	33
Figure 11. Percentage of Mining/Dewatering Water Use by County	37
Figure 12. Mining/Dewatering Monthly Withdrawals and Monthly Regional Rainfall	37
Figure 13. Percentage of Industrial/Commercial Water Use by County	41
Figure 14. Industrial/Commercial Monthly Withdrawals and Monthly Regional Rainfall	41
Figure 15. Percentage of Institutional and Other Water Use by County	44
Figure 16. Institutional and Other Monthly Withdrawals and Monthly Regional Rainfall	44
Figure 17. Percentages of Total Withdrawals and Total Use by County	52
Figure 18. Total Groundwater and Surface Water Withdrawals by County	53
Figure 19. Total Water Monthly Withdrawals and Monthly Regional Rainfall	53

2023 ESTIMATED WATER USE REPORT

Figure 20. Total Withdrawals by Predominant Use Category	54
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LIST OF TABLES

Table ES-1. Districtwide Water Withdrawals and Use	7
Table 1. Public Supply Water Withdrawals & Use by County	20
Table 2. Domestic Self-Supply Water Use by County	24
Table 3. Landscape/Recreation Water Withdrawals by County	28
Table 4. Agricultural Water Withdrawals by County	32
Table 5. Mining/Dewatering Water Withdrawals by County	36
Table 6. Industrial/Commercial Water Withdrawals by County	40
Table 7. Institutional and Other Water Withdrawals by County	43
Table 8a. Summary of 10 Years of Metered Water Use Data	47
Table 8b. Permitted Quantities, for Metered & Unmetered WUPs	47
Table 9. Total Withdrawal and Use Quantities by Predominant Use & County	48
Table 10. Total Permitted and Withdrawn Quantities	49
Table 11. Total Permitted and Withdrawn Quantities, Metered Only	50
Table 12. Total Permitted and Withdrawn Quantities, Unmetered (Estimated) Only	51

APPENDICES

APPENDIX A Summaries of Metered Water Use Permits	55
Table A-1, Part 1. Public Supply Annual Report (PSAR) Water Use Data	57
Table A-1, Part 2. Withdrawals on other Metered Public Supply WUPs	65
Table A-2. PSAR Use Type Percentages and Residential Per Capita	70
Table A-3. PSAR Utility Permit to Permit Water Transfers	77
Table A-4. Public Supply Monthly Average Withdrawals by County	81
Table A-5. Permitted and Withdrawn Quantities on Metered Landscape/Recreation WUPs	82
Table A-6. Total Landscape/Recreation Average Monthly Withdrawals by County	96
Table A-7. Permitted and Withdrawn Quantities on Metered Agricultural WUPs	97
Table A-8. Total Agriculture Monthly Average Withdrawals by County	150
Table A-9. Permitted and Withdrawn Quantities on Metered Mining/Dewatering WUPs	151
Table A-10. Total Mining/Dewatering Monthly Average Withdrawals	155
Table A-11. Permitted and Withdrawn Quantities on Metered Industrial/Com. WUPs	156
Table A-12. Total Industrial/Commercial Monthly Average Withdrawals	162
Table A-13. Permitted and Withdrawn Quantities on Institutional and Other WUPs	163

2023 ESTIMATED WATER USE REPORT

Table A-14. Total Institutional and Other Monthly Average Withdrawals	167
APPENDIX B Summaries of Groundwater & Surface Water Withdrawals	168
Table B-1. Districtwide per County	169
Table B-2. Southern Water Use Caution Area	170
Table B-3. Most Impacted Area of the Southern Water Use Caution Area	171
Table B-4. Northern Tampa Bay Water Use Caution Area	172
Table B-5. Dover/Plant City Water Use Caution Area	173
Table B-6. FARMS Upper Myakka Priority Watershed	174
Table B-7. FARMS Shell Creek Priority Watershed	175
APPENDIX C Permitted Groundwater & Surface Water Annual Average Quantities	176
Table C-1. Districtwide per County	177
Table C-2. Southern Water Use Caution Area	178
Table C-3. Most Impacted Area of the Southern Water Use Caution Area	179
Table C-4. Northern Tampa Bay Water Use Caution Area	180
Table C-5. Dover/Plant City Water Use Caution Area	181
Table C-6. Dover/Plant City WUCA Freeze Protection Quantities	182
Table C-7. Dover/Plant City WUCA Freeze Protection Count of WUPs	182
APPENDIX D Historic Per Capita Rates from Public Supply Annual Reports	183
Table D-1. Public Supply Unadjusted Gross Per Capita Water Use	184
Table D-2. Public Supply Compliance Per Capita Water Use	189
APPENDIX E DEP Uniform Per Capita Report	194
Table E-1: DEP Uniform Per Capita Report	195
APPENDIX F Estimated Water Use Report History and Methodology	202
Table F-1: Monthly and Annual Average Ratios for Unmetered Water Use Estimates	208

2023 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 listed in Table ES-1 below.

Table ES-1. Districtwide Water Withdrawals and Use (mgd) in 2023.

Category	Withdrawal	Use
Public Supply	627.3	619.0
Domestic Self Supply	43.0	43.0
Landscape/Recreation	69.8	69.8
Agriculture	310.2	310.2
Mining/Dewatering	13.3	13.3
Industrial/Commercial	52.7	52.7
Institutional & "Other"	7.0	7.0
Total	1,123.3	1,115.0

Source: Table 9.

The public supply withdrawals and use values are different because the supply is often transferred regionally, stored seasonally, and losses occur during treatment and distribution, so the quantity and spatial use can vary significantly. For all other categories, the quantity of water withdrawn is assumed to be the same amount used, since the water was likely withdrawn at the same time and general location of its use.

As shown, the total amount of water withdrawn in the District from natural resources was 1,123.3 mgd. The total water used was 1,115.0 mgd. Most withdrawals were for public supply at 56 percent of total withdrawals, followed by agriculture at 28 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 water used by commercial businesses and industries that received water from utilities.

The 627.3 mgd of public supply withdrawals in 2023 are up from the 601.7 mgd in 2022. After accounting for changes in storage and losses from treatment and transmission, the public supply use quantity is 618.6 mgd, which is also up from the 578.4 mgd used in 2022.

The water used for public supply was distributed to a functional population of approximately 5.7 million persons. The unadjusted gross use per person was 104 gallons per capita per day (gpcd) Districtwide. When applying various deductions described in pages 18-19, the "adjusted gross per capita" was 103 gpcd, the "compliance per capita" was 103 gpcd, and the "residential per capita" was 98 gpcd.

DOMESTIC SELF-SUPPLY

The District does not regulate or meter domestic self-supply withdrawals, so this category is wholly estimated. An estimated self-supplied population of 544,336 persons living outside of utility service areas used 43.0 mgd from their domestic wells, based on the average countywide residential use per capita from 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 attractions. The quantity does not include repumped water from holding ponds blended with reclaimed water or other alternative sources. The annual average withdrawals were 69.8 mgd, which is up from 57.8 mgd in 2022. Golf course play areas account for 41 percent of this water use.

AGRICULTURE

The agriculture use category includes water for irrigation and establishment of crops, along with crop freeze protection, fertigation/chemigation, irrigation system maintenance, on-site washing and packing of products, animal watering and cleaning, and other uses. The average use in 2023 was 310.2 mgd, which was down from

2023 ESTIMATED WATER USE REPORT

329.2 mgd in 2022. Citrus crops accounted for 53 percent of the agriculture use total.

MINING/DEWATERING

Mining/dewatering operations recirculate much of the water used on-site and utilize alternative water sources if available. The quantities listed represent only consumption from natural resources. Uses include on-site processing of mined materials, 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 2023 was 13.3 mgd, which was down from 17.8 mgd in 2022. 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 2023 was 52.7 mgd, which was down from 60.2 mgd in 2022. Off-site phosphate processing accounted for 41 percent 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, and the permitted allocations to the categories are relatively small. The two categories are combined into one chapter of this report. The institutional use category includes hospitals, schools, and other facilities that were historically categorized as industrial/commercial or public supply. Institutional uses averaged 3.6 mgd in 2023. The “other” uses averaged 3.4 mgd and were primarily for environmental augmentation to maintain levels in surface water bodies if they fall below trigger elevations defined by environmental management plans.

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 601.1 mgd was withdrawn in the SWUCA, of which 486.8 mgd was from groundwater and 114.3 mgd was from surface water. The largest water use category in the SWUCA was agriculture at 253.3 mgd, with public supply close behind this year at 252.5 mgd.

MIA of the SWUCA: A quantity of 111.2 mgd was withdrawn by WUPs in the MIA of the SWUCA, of which 67.0 mgd was from groundwater. Public supply was the largest category at 52.3 mgd, but 41.4 mgd of the public supply was from surface water sources.

Northern Tampa Bay WUCA (NTB WUCA): A quantity of 328.9 mgd was withdrawn in the NTB WUCA in 2023, of which 188.7 mgd was from groundwater. The largest use category in the NTB WUCA was public supply at 273.9 mgd.

Dover/Plant City WUCA (DPC WUCA): A quantity of 60.0 mgd of water was withdrawn in the DPC WUCA, of which 97 percent was from groundwater. The largest use in the DPC WUCA was public supply at 30.5 mgd.

2023 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 covers 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 for the portion of each county that's 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 short-term pumpage for crop freeze protection that caused intense drawdown in the Upper Floridan aquifer, triggered sinkholes, and damaged many domestic wells in the region. The DPC WUCA includes portions of the SWUCA and NTB WUCA but does not supersede them.

The EWU Report 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. 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). 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 both industrial and power generation use. Beginning in 1992, the EWU reports were based on 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.

2023 ESTIMATED WATER USE REPORT

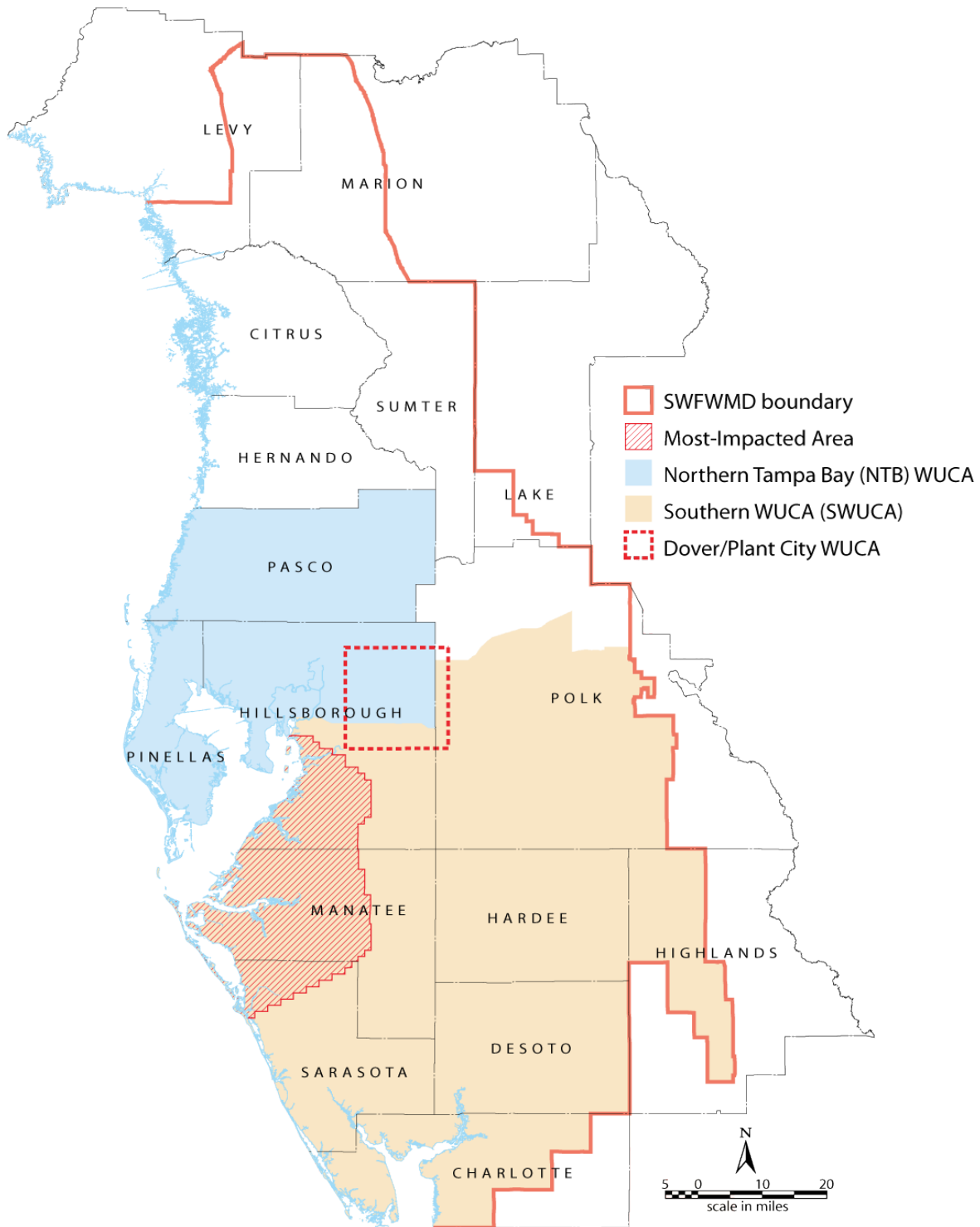


Figure 1. Southwest Florida Water Management District, Counties, and Water Use Caution Areas

2023 ESTIMATED WATER USE REPORT

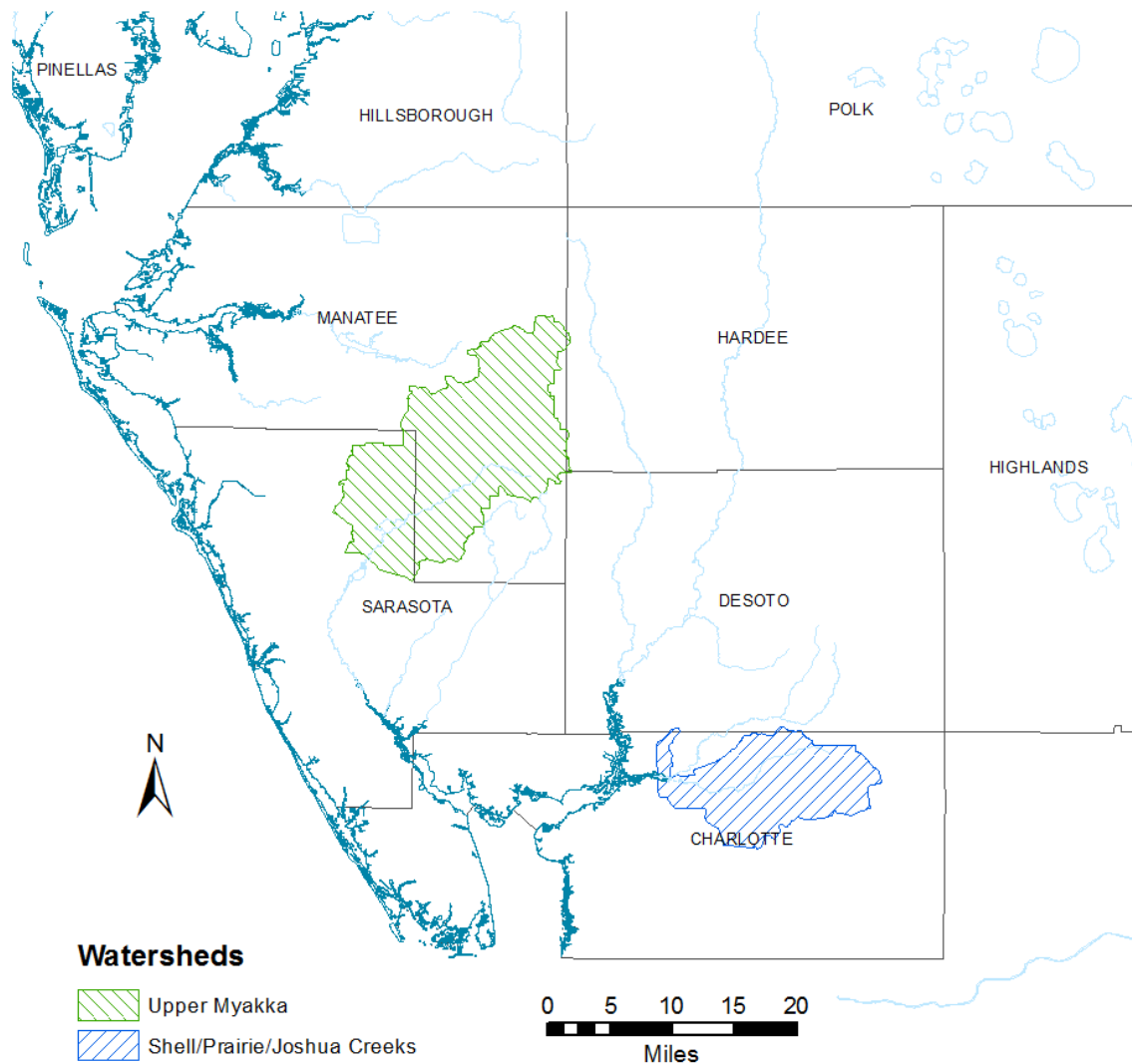


Figure 2. FARMS Priority Watershed Areas of Upper Myakka River and Shell, Prairie, and Joshua Creeks

2023 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 quantities are from empirical data: metered pumpage from groundwater wells or surface water intakes. 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 sizes. The methodology is explained in more detail in Appendix F.

When the District first required metering, the permitting threshold was 500,000 gallons per day (gpd) annual average. 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. Special metering may still be required for smaller WUPs if the withdrawals could potentially impact existing users or natural systems. Metering is required on all WUPs in the DPC WUCA that have freeze protection quantities or have 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. Most permittees responsibly submit meter records and reports as required under the terms of their WUPs.

WATER USE CATEGORIES

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

- Public Supply
- Domestic Self-Supply
- Landscape/Recreation
- Agricultural
- Mining/Dewatering

- Industrial/Commercial
- Institutional & "Other"

Figure 3 shows the distribution of permitted wells within the District by the predominant use categories.

Institutional and "other" are separate categories but are combined in this report because their current uses are relatively small.

The District's permitting system has over 300 detailed water use codes to identify specific use types. 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 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 water use from small domestic wells is not regulated by the District. The estimates are calculated on a countywide basis. This category is excluded from some tables in this report that focus on withdrawals from regulated sources only.

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, or blended with reclaimed water or captured stormwater.

Actual crop application rates may be greater than the resource withdrawals in this report where alternative supplies, captured stormwater, and recirculated quantities were used because they reduced the withdrawals needed from natural resources.

2023 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 AND 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

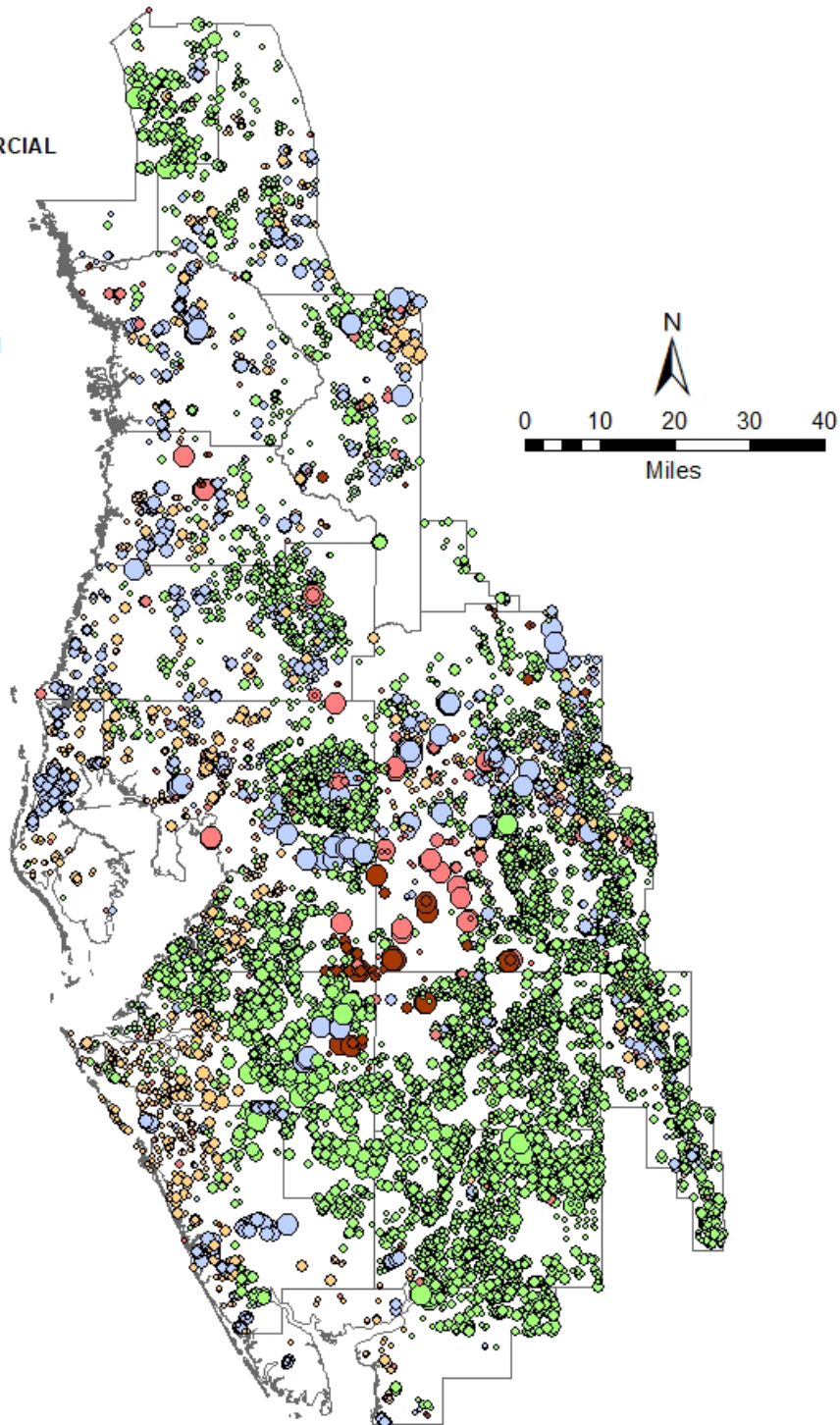


Figure 3. Active Groundwater Wells in the Southwest Florida Water Management District by Tiered Permitted Quantity (gpd annual average) and Predominant Use Type.

2023 ESTIMATED WATER USE REPORT

Reclaimed water use is not quantified in this report, except for some deductions calculated for per capita use. Reclaimed water inflows and use are available in other District reports at:

<https://www.swfwmd.state.fl.us/projects/reclaimed-water>.

Captured stormwater is not regulated by the District and isn't metered by most users. In most cases, captured stormwater use isn't quantified in this report; however, a few public supply utilities use a significantly large amount of stormwater for irrigation and quantify its use.

MITIGATION WITHDRAWALS

Environmental mitigation pumpage to augment surface water bodies is included in this report on a case-by-case basis. Sometimes withdrawals are excluded because a substantial portion of water percolates back through an unconfined aquifer to the withdrawal point, so the quantity recirculates. Mitigation pumpage is usually classified in the predominant use category that caused the impact. 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. If a WUP's primary source is an alternative supply, there may be a permitted "standby" well that can be pumped if the alternative supply is not available through no fault of the permittee. Some active WUPs may appear to have little or no water use because they were utilizing an alternative source.

CAVEATS FOR WATER USE ESTIMATIONS

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

Domestic Self-supply Wells: The common water source for rural households are privately owned wells typically 4 inches in diameter, which are small enough to be exempt from WUPs.

Estimates for domestic self-supply use are based on U.S. Census parcel population outside of utility service areas, where it's assumed that a house not served by a utility has a well. The domestic self-supply estimates do not include shallow lawn irrigation wells at homes within public supply utility service areas.

Meter Reporting Errors: This report was compiled by analyzing approximately 309,000 monthly and daily pumpage/meter readings received from permittees. Some reporting errors are inevitable. Obvious errors such as misplaced decimals or uncorrected meter rollovers are fixed when found. Despite quality control efforts, some errors may occur within the realm of possibility or within use types that vary greatly by season. Errors found in historical pumpage data are fixed for this report and are forwarded to the District's regulatory staff. However, corrections to the WMIS database's historical records require written consent from the permittee that provided them, who may not be respondent. This may create discrepancies between the EWU Reports and other WMIS queries.

Rounding Discrepancies: For this report, raw numbers were calculated to the gallon at the extent viable, although many flow meters have hundred-gallon or thousand-gallon units. 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. 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* in italics. 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

2023 ESTIMATED WATER USE REPORT

largely different from the amount *withdrawn* for several reasons:

- Imports and exports between utilities (including some outside of the District),
- Net quantities stored and released from off-stream surface water reservoirs or aquifer storage and recovery (ASR) systems can be different at the beginning and end of the year, sometimes by billions of gallons,
- Exports from large-scale regional water treatment facilities to multiple public utilities in different counties,
- Water treatment losses, including brackish desalination systems,
- Transmission system losses.

The public supply *use* data comes from Public Supply Annual Reports (PSARs) received from utilities 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 2023 permit data was taken on December 31st, 2023, to save the end-of-year attributes. The permit snapshot 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-type codes 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 regulatory conditions.

Pumpage Data: Pumpage snapshots for the EWU Report are queried later in the year. Permittees have a few weeks after the new year to upload their December pumpage. The permit snapshot data is reviewed before the pumpage snapshot because it defines which withdrawal points were valid and should have their pumpage data included. Pumpage queries taken a few months later allow time for tardy submissions and for meter/pumpage errors to be identified and corrected by regulatory staff, with

communication from the permittee. The final 2023 pumpage snapshot for this report was taken on October 22, 2024.

APPENDICES

Six appendices are provided in this report.

Appendix A, Tables A-1 through A-3 show public supply withdrawals, imports & exports, population served, and other data summarized from the PSARs. Additional tables for other water use categories list all metered WUPs, their average withdrawal, and the permit total and portion for the use category. Appendix A also includes tables of monthly average withdrawals for each water use category by county.

Appendix B shows the annual average withdrawals split by surface water only and groundwater only, from regulated water resources within the District. Separate tables are provided for Districtwide, within the three WUCAs and the MIA, and within the FARMS Priority Watersheds.

Appendix C identifies the total permitted quantities from surface water and groundwater by county for the District, the three WUCAs and the MIA. 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 (FDEP). The report provides utility gross and residential per capita estimates that follow statewide consistency guidelines universally accepted by the FDEP 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.

2023 ESTIMATED WATER USE REPORT

PUBLIC SUPPLY

WITHDRAWALS = 627.3 MGD

USE = 619.0 MGD

In 2023 the average withdrawals in the District for public supply totaled 627.3 mgd. This total includes 388.7 mgd of groundwater, 235.8 mgd of surface water, and 2.8 mgd of desalinated seawater. The withdrawals increased from 601.7 mgd in 2022 and are above a ten-year average of 569.3 mgd.

The location and quantity of water “used” for public supply 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. After accounting for imports, exports, storage, and losses from treatment and distribution, the gross public supply water use was 619.0 mgd.

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. Public supply may also be a minor subcategory for permittees that provide water for housing or personal/sanitary use to employees, visitors, farmworkers, etc.

DATA SOURCES

There are three sources of data for the public supply 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 permit allocations less than 100,000 gpd. In 2023, the District had 325 active WUPs that included public supply allocations. There were 126 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.

The PSARs provide 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.
- 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 9 PSAR utilities whose withdrawals included golf course irrigation or industrial uses that are represented within other chapters of this report. To avoid double-counting, those quantities are excluded from Table 1.

There were 161 small, unmetered public supply permittees with estimated withdrawals totaling 3.9 mgd, mostly for residential use.

There were 36 metered WUPs outside the PSAR group that withdrew 194.2 mgd for public supply. They include Tampa Bay Water’s permits for water exported regionally to utilities, along with some farms and institutions with personal sanitary use allocations, small golf communities, environmental augmentation permits, and 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 618.6 mgd was 99 percent of the withdrawal total. This percentage is higher than a 20-year average of 95 percent,

2023 ESTIMATED WATER USE REPORT

and can be attributed to more water used from long-term storage.

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 two thirds of its public supply from neighboring counties. Figure 3 has separate pie charts of the county water withdrawals and water use for public supply.

GROUNDWATER, SURFACE WATER, & SEA WATER

In 2023, groundwater provided 62 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, Hawthorne aquifer system, and lower Floridan aquifers are also utilized for public supply.

The District's largest groundwater WUP is 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 2023, the annual average water withdrawn from the Consolidated Wellfield WUP was used near it's limit at 88.5 mgd; with 51.3 mgd from wells in Pasco, 24.9 mgd in Hillsborough, and 12.3 mgd in Pinellas. The withdrawals are divided by county for this report.

Surface water accounted for 38 percent of public supply water withdrawals in 2023. Most surface water withdrawals for public supply occur at large-scale water treatment facilities located in Hillsborough, DeSoto, and Manatee Counties. The Villages community in Sumter County utilized approximately 6.9 mgd of stormwater captured in lined ponds for outdoor public supply use. The Villages' stormwater use is included as surface water in Table 1 because it was metered and 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 15.3 billion gallons at the beginning of January 2023 and was down to 7.3 billion gallons at the end of the year. The net drawdown averaged 21.7 mgd over the year and is a significant part of the narrow withdrawal/use percentage.

Tampa Bay Water's seawater desalination facility is near Apollo Beach in Hillsborough County and treats saltwater from Tampa Bay to blend into their regional system. The facility was producing approximately 14 mgd most days before mid-March 2023, then was offline for repairs. The annual average production came to 2.75 mgd for the year. For this report, the treated seawater 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 potable water to the county utility departments of Charlotte, DeSoto, Sarasota, and 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's WUP allows for surface water withdrawals to 80 mgd annual average or 258 mgd max day, but within environmental minimum river flow levels. 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. Their combined stored water quantities were over 15 billion gallons at both the beginning and end of 2023.

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

2023 ESTIMATED WATER USE REPORT

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 public supply water use/population. There are multiple types of per capita calculations for different needs, each defined below.

- Unadjusted gross, in Tables A-1 and D-1
- Adjusted gross, in Table A-1
- Compliance, in Tables A-1 and D-2
- 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 2023, the Districtwide UGPC was 104 gpcd. A ten-year history of each utility’s UGPC is provided in Appendix D.

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

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

ADJUSTED GROSS PER CAPITA: The adjusted gross per capita (AGPC) allows for a more equitable comparison of utilities by deducting specific water uses that are unrelated to population. Utilities may deduct “significant uses” on their PSARs such as industrial/commercial customers, golf courses, and environmental mitigation. To qualify as a significant use, the amount delivered by the utility must meet certain criteria and be

properly documented. In 2023, the Districtwide average AGPC was 103 gpcd.

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 with dedicated irrigation wells, but there’s a few golf courses in urban areas that irrigate with fresh water supplied by a utility.

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 2023.

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 of attaining 150 gpcd for all public supply permittees, based on a five-year average. In 2023, the Districtwide average CPC was 98 gpcd. Ten utilities were above 150 gpcd per five-year average. The ten-year history and five-year average of each utility’s CPC is provided in Appendix D, Table D-2.

The stormwater use deductions for the CPC must be from metered uses in order to be credited. The quantities must 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 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 72 gpcd in 2023. Countywide RPC values are used

2023 ESTIMATED WATER USE REPORT

as multipliers to estimate the domestic self-supply use in each county, as discussed in the next chapter.

DEP UNIFORM GROSS & RESIDENTIAL PER CAPITA: The DEP has a uniform statewide methodology for the five water management districts to calculate public supply per capita water use for statewide analyses. The method is not otherwise utilized by the District for regulatory or planning purposes.

The DEP uniform per capita method provides both gross and residential values. The residential population is calculated by using the number of housing units and the average persons per household within the utility service area. The data table provided to DEP is available in Appendix E. For 2023, the Districtwide DEP uniform gross per capita was 107 gpcd, and the DEP uniform residential per capita was 75 gpcd.

PUBLIC SUPPLY WATER TRANSFERS

Substantial quantities of potable water are transferred between utilities and across county lines. Alternative water supplies often developed near available sources on a large scale, and regional distributed to multiple areas of high demand. Table A-3 in Appendix A provides the reported public supply imports and exports by regional water supply authorities and utilities. Approximately 273 mgd was transferred within the District in 2023.

MONTHLY WATER WITHDRAWALS AND RAINFALL

The monthly average rainfall in the District is compared to monthly public supply surface water and groundwater withdrawals in Figure 5. Surface water withdrawals increase during the rainy season for storage in reservoirs and ASR systems to provide year-round reliability.

Districtwide annual average rainfall in 2023 was 43.9 inches, which was far below the historic mean average of 52.7 inches. February and March, a normally low-rainfall period, were exceptionally dry with less than an inch of rainfall both months. January, July, September, and October were also below average. Hurricane Idalia made landfall in Florida's Big Bend region on August 29, 2023. The outer rainbands brought about 3 inches to the District's northern counties

and 5 inches to the southern counties, but the August monthly total was near average. Increased irrigation demands during the multiple dry months likely contributed to increased water use in 2023.

The monthly withdrawal data for Figure 5 is provided in Appendix A, Table A-4. The monthly data excludes seawater desalination and stormwater sources.

PUBLIC SUPPLY IN WATER USE CAUTION AREAS

A substantial amount of surface water is used as alternative water supplies in the WUCAs. WUCA-specific withdrawal quantities for groundwater and surface water are provided in Appendix B. The public supply withdrawals for each WUCA are below

SWUCA: 157.8 mgd groundwater, 94.6 mgd surface water, 252.5 mgd total (Table B-2).

MIA of the SWUCA: 11.0 mgd groundwater, 41.4 mgd surface water, 52.3 mgd total (Table B-3).

NTB WUCA: 139.7 mgd groundwater, 134.2 mgd surface water, 273.9 mgd total (Table B-4).

DPC WUCA: 30.5 mgd groundwater, no surface water. (Table B-5).

PUBLIC SUPPLY PERMITTED QUANTITIES

The end-of-year permitted quantities allocated by the District for public supply were 860.5 mgd annual average, of which 526.9 mgd were permitted for groundwater sources. The permitted quantities by source, county, use type, and WUCA are provided in Appendix C.

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.

2023 ESTIMATED WATER USE REPORT

Table 1. Summary of Metered and Estimated Public Supply Water Withdrawals and Water Use (mgd), 2023

County	PSAR Metered Water Withdrawals (mgd)	PSAR Imported Water (mgd)	PSAR Exported Water (mgd)	PSAR Treatment Losses (mgd)	PSAR Gross Water Use ¹ (mgd)	Non-PSAR Metered Water Withdrawals & Use ² (mgd)	Non-PSAR Estimated Water Withdrawals & Use ³ (mgd)	Total Public Supply Withdrawals (mgd) ⁴	Ground- water	Surface Water	Total Public Supply Gross Water Use (mgd) ⁵
*Charlotte	10.987	13.707	1.607	2.274	20.813	0	0	10.987	6.757	4.230	20.813
Citrus ⁶	16.986	0.420	0.494	0.208	16.704	0.132	0.213	17.331	17.331	0	17.049
DeSoto	31.886	1.387	32.929	2.276	1.806	0	0.062	31.948	0.901	31.047	1.868
Hardee	1.346	0	0	0.076	1.270	0	0.036	1.382	1.382	0	1.306
Hernando	23.364	0	0	0.302	23.062	0	0.094	23.458	23.458	0	23.156
*Highlands	8.359	0	0	0.235	8.124	0.170	0.093	8.622	8.617	0.005	8.387
Hillsborough ^{7, 8}	93.158	87.556	2.359	3.935	174.420	129.417	0.603	223.178	69.792	150.636	180.515
*Lake	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.775	0	0.001	0.061	0.713	0.048	0	0.823	0.823	0	0.761
Manatee	56.219	5.157	7.440	3.877	50.059	0.015	0.004	56.238	14.883	41.355	50.078
*Marion	14.927	0	0.032	0.355	14.540	0.072	0.354	15.353	15.353	0	14.966
Pasco ⁹	14.409	43.088	3.665	0.653	53.179	51.644	1.130	67.183	67.183	0	54.625
Pinellas ⁹	18.053	92.423	12.511	4.774	93.191	12.323	0.077	30.453	30.453	0	93.308
*Polk ^{6, 8}	83.738	2.951	0.614	4.260	81.815	0.423	1.026	85.187	85.177	0.010	83.264
Sarasota ⁶	25.646	21.525	1.146	6.193	39.832	0	0.086	25.732	24.107	1.625	39.918
Sumter ^{6, 10}	29.274	0.030	0.127	0.329	28.848	0.004	0.142	29.420	22.531	6.889	28.994
District Total	429.127	268.244	62.925	29.808	608.376	194.248	3.920	627.295	388.748	235.797	619.008

Data Sources: 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.

² Quantities metered by public supply permittees that were not required to submit PSARs. This includes Tampa Bay Water withdrawals, which are deducted from the total gross water use calculation (⁵) to prevent double counting with PSAR gross use.

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 gross water 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: -0.022 mgd Citrus, -0.170 mgd Polk, -0.159 mgd Sarasota, and -1.168 mgd Sumter counties.

⁷ Hillsborough County Non-PSAR Metered includes 2.75 mgd of Tampa Bay Water's seawater desalination. The seawater quantity is not included in the surface water or groundwater withdrawals.

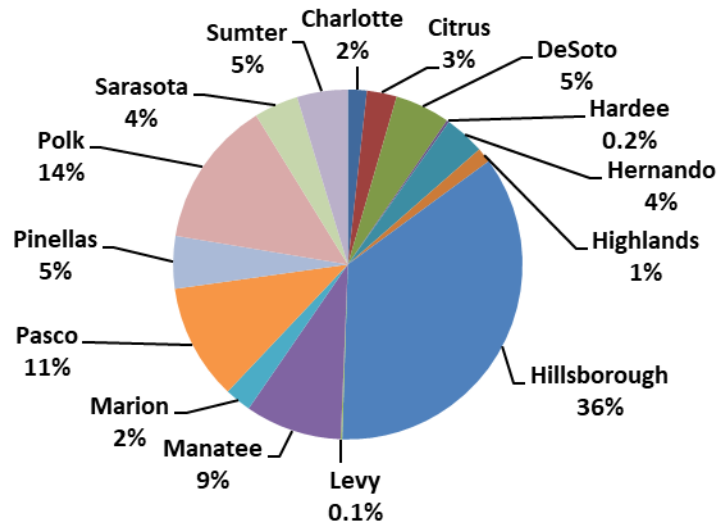
⁸ The countywide PSAR metered withdrawal was adjusted from totals shown in Appendix A, Table A-1 to correct for "water year" (Oct-Sept) data reported by the City of Tampa WUP 2062 (-1.943 mgd) and by City of Lakeland WUP 4912 (0.309 mgd).

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 0.702 mgd. This table includes the adjustment.

¹⁰ The Total PSAR Withdrawal for Sumter County includes 6.889 mgd of stormwater captured and beneficially used by The Villages.

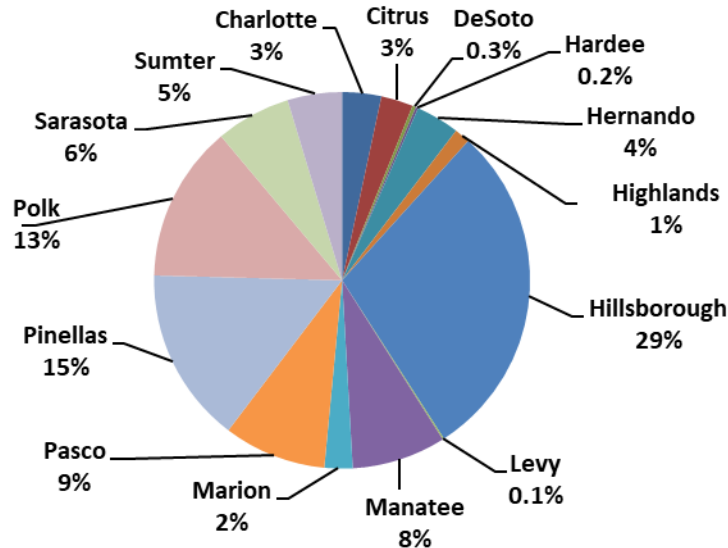
2023 ESTIMATED WATER USE REPORT

Percent of Public Supply Withdrawals By County



Total Withdrawals = 627.3 mgd (PSAR, non-PSAR metered, and estimated)
Calculation includes only District portion of counties.

Percent of Public Supply Use By County



Total Use = 619.0 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, 2023

(Data Source: Table 1)

2023 ESTIMATED WATER USE REPORT

Public Supply Monthly Withdrawals and Rainfall

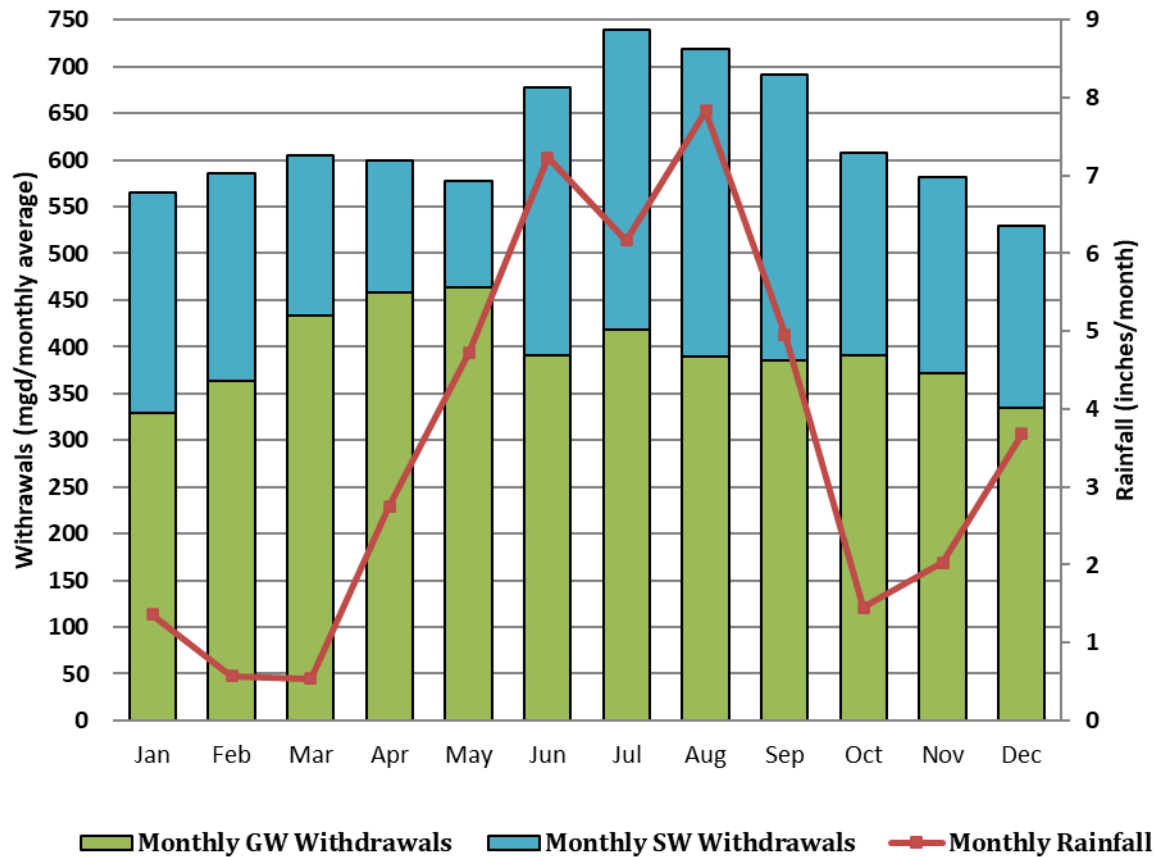


Figure 5. Public Supply Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2023

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

2023 ESTIMATED WATER USE REPORT

DOMESTIC SELF-SUPPLY WITHDRAWAL/USE = 43.0 MGD

An estimated 43.0 mgd of water was used for domestic self-supply within the District in 2023. This estimate is an increase from 39.1 mgd in 2022.

GENERAL INFORMATION

The domestic self-supply category includes 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 are below average because they do not irrigate their lawns and water use is primarily indoors, but other rural homes 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 is estimated 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 the areas served by public supply utilities within the District. The domestic self-supplied population is recalculated each year. The GIS methodology is described in Appendix F.

The countywide residential per capita values are sourced from the public supply data in Appendix A, Table A-2. Factoring in the residential per capitassumes that the 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 have small private wells that are 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 category, nor other categories of the EWU Report. If needed, a table of 5-year average planning-level estimates of additional irrigation use is available in the District's Regional Water Supply Plan, Appendix 3-3, Table 23, Residential Irrigation Well Data. The Appendix is available at the link below:

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

2023 ESTIMATED WATER USE REPORT

Table 2. Summary of Domestic Self-Supply Water Use by County, 2023

County	GIS-Based Calculated Self-Supply Population¹	Average Residential Per Capita Use² (gpd/person)	Estimated Domestic Self-Supply Water Use³ (mgd)
*Charlotte	6,407	70	0.448
Citrus	49,709	85	4.225
DeSoto	18,295	50	0.915
Hardee	10,260	52	0.534
Hernando	41,597	95	3.952
*Highlands	12,976	68	0.882
Hillsborough	116,685	76	8.868
*Lake ⁴	1,073	72	0.077
*Levy	17,277	47	0.812
Manatee	10,616	64	0.679
*Marion	41,030	124	5.088
Pasco	119,750	74	8.862
Pinellas	5,582	56	0.313
*Polk	25,660	79	2.027
Sarasota	50,226	56	2.813
Sumter	17,193	147	2.527
District Total	544,336		43.022

Data sources: District GIS data and Appendix A.

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

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

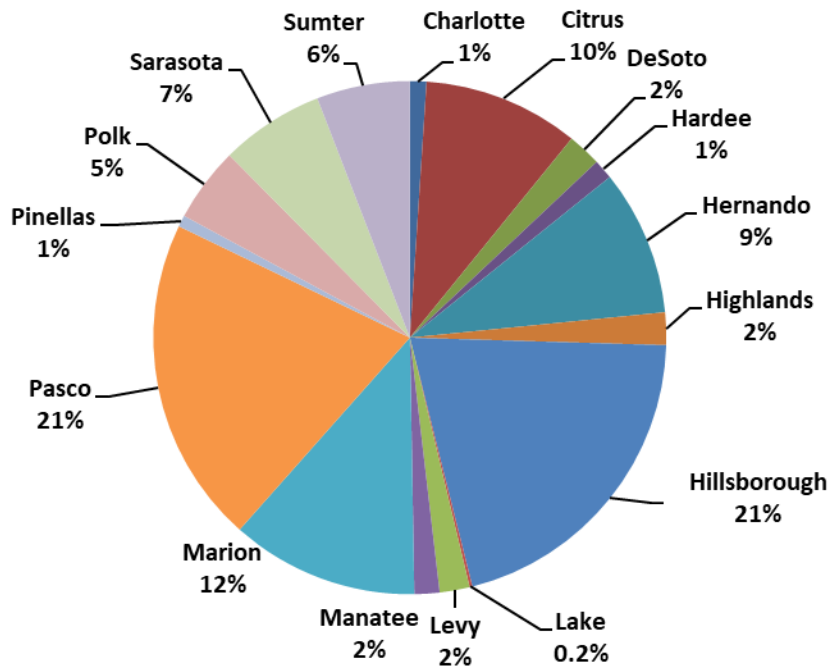
² "Residential Per Capita," is from Table A-2 in Appendix A and is based on PSAR-reported residential water use submitted by utilities.

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

⁴ The Districtwide residential per capita value of 72 gpcd was used as the multiplier for Lake County because there were no Public Supply permittees in the District portion of Lake County.

2023 ESTIMATED WATER USE REPORT

Percent of District Domestic Self Supply Use By County



Total Use = 43.0 mgd

Calculation includes only District portion of counties

Figure 6. Percentage of Estimated Domestic Self-Supply Water Use by County, 2023

(Data source: Table 2)

2023 ESTIMATED WATER USE REPORT

LANDSCAPE/RECREATION

WITHDRAWAL/USE = 69.8 MGD

Landscape/recreation water withdrawals were 69.8 mgd within the District in 2023. This quantity is a large increase from 57.8 mgd in 2022. The ten-year average is 58.4 mgd. Low rainfall for the year likely contributed to above-average withdrawals for landscape irrigation.

GENERAL INFORMATION

The landscape/recreation use category is mostly for dedicated irrigation WUPs serving 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. Groundwater used to augment storage pond water levels is quantified; but to avoid double-counting, the repumped quantities from augmented irrigation ponds where blending occurs are not included. There may be discrepancies between the natural resource withdrawals and application quantities.

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. More than half the golf courses within the District use reclaimed water. Additional information on reclaimed water within the District is available at:

<https://www.swfwmd.state.fl.us/projects/reclaimed-water>.

Irrigation Permitting: A WUP's allowable irrigation quantity is determined in part using an irrigation rate calculation model known as AGMOD. This model is used to derive 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 per year 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 disposal of excess reclaimed water is needed.

Multi-Use WUPs: Approximately 15 percent of the WUPs with a landscape/recreation allocation also had some allocations with another predominant use category. When the majority of the permitted use is for landscape/recreation, the WUP's primary use type is listed as such, even if the permittee's business practice may fit another category.

2023 DATA

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

- Golf course play areas used 28.6 mgd.
- Lawn and landscape irrigation use was 33.1 mgd, and may include the non-playing areas at golf resorts.
- Other irrigation WUPs used 4.2 mgd for needs including community common areas, sports playing fields, cemeteries, parks and playgrounds, and botanical gardens.

The augmentation group (2.9 mgd) is for water used to maintain surface water body levels for

2023 ESTIMATED WATER USE REPORT

either aesthetic purposes or environmental mitigation related to landscape/recreation withdrawals. Animals & aquariums (0.4 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” (0.4 mgd) and may 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 2023, groundwater provided 91 percent (63.8 mgd) of the landscape/recreation supply withdrawn in the District. Surface water use was 5.9 mgd. The surface water quantity reflects only withdrawals from natural resources; water from constructed irrigation ponds that are augmented by other sources 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. Districtwide annual average rainfall in 2023 was only 43.3 inches, which was below a

historic mean average of 52.7 inches. Several months were below average, including less than one inch in both February and March. Hurricane Idalia brought a few inches of rain in late August, but the August total was still slightly below average.

APPENDICES

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

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

Appendix B provides the specific groundwater and surface water use average quantities for each county and WUCA. In the SWUCA, the landscape/irrigation water use totaled 41.5 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 2023 was 130.9 mgd. Approximately 53 percent of the quantities permitted for landscape/recreation supply were utilized.

2023 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, 2023

County	Irrigation: Golf Course Play Areas	Irrigation: Lawn & Landscape	Irrigation: Sports Fields, Cemeteries, Parks, etc.	Augmen- tation ¹	Animals & Aquariums	Commercial, Restrooms, Sanitary, Other Uses ²	Water Parks & Recreation ³	Total	Total Ground -water	Total Surface Water
*Charlotte	0.745	0.779	0.051	0	0	0.003	0.091	1.669	0.979	0.690
Citrus	1.991	0.702	0.097	0	0	0.002	0.011	2.803	2.643	0.160
Desoto	0.168	0.001	0	0	0	0	0	0.169	0.169	0
Hardee	0.106	0.045	0	0.005	0	0	0	0.156	0.156	0
Hernando	2.063	0.563	0.188	0	0	0	0	2.814	2.814	0
*Highlands	1.665	0.367	0.053	0	0	0	0	2.085	1.912	0.173
Hillsborough	3.231	4.836	1.576	1.166	0.277	0.013	0.030	11.129	10.096	1.033
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0.135	0.029	0	0	0	0.061	0	0.225	0.225	0
Manatee	2.729	12.595	0.224	0	0	0.019	0	15.567	15.104	0.463
*Marion	2.121	0.564	0.249	0	0.039	0.029	0.001	3.003	3.003	0
Pasco	2.472	0.533	0.149	0	0.004	0.049	0	3.207	3.160	0.047
Pinellas	1.592	1.304	0.423	0	0	0.001	0	3.320	2.326	0.994
*Polk	4.368	1.576	0.816	1.701	0.091	0.014	0	8.566	8.249	0.317
Sarasota	2.931	7.534	0.335	0	0.034	0.159	0.018	11.011	8.924	2.087
Sumter	2.319	1.699	0.056	0	0	0.005	0	4.079	4.079	0
District Total	28.636	33.127	4.217	2.872	0.445	0.355	0.151	69.803	63.839	5.964
% of Total	41%	47%	6%	4%	1%	0.5%	0.2%	100%	91%	9%
Groundwater Use	26.959	29.694	4.190	2.046	0.445	0.354	0.151		63.839	
Surface Water Use	1.677	3.433	0.027	0.826	0	0.001	0			5.964

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

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

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

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

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

2023 ESTIMATED WATER USE REPORT

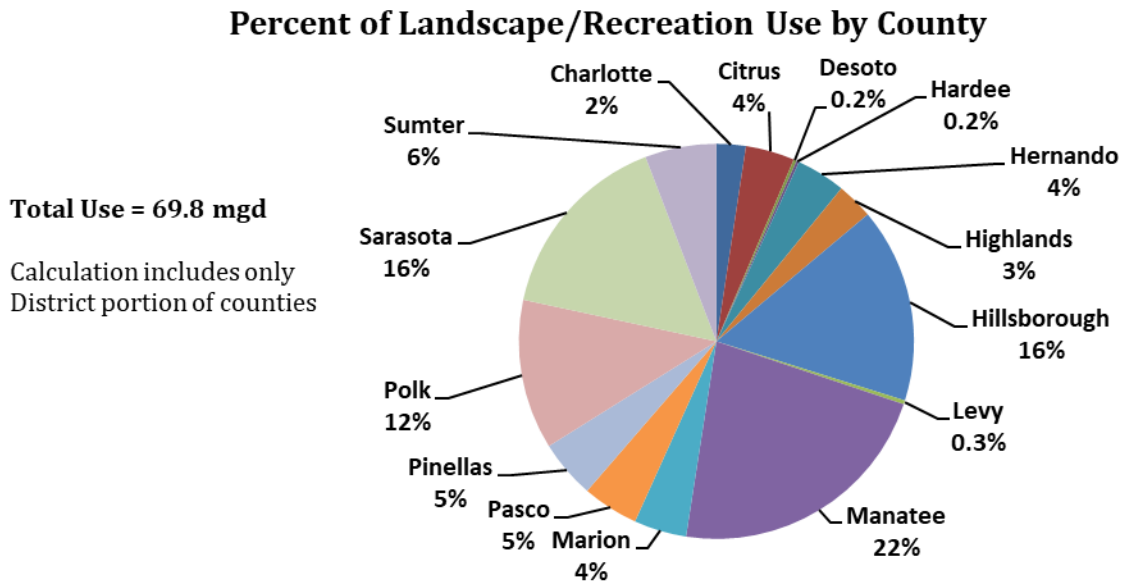


Figure 7. Percentage of Landscape/Recreation Water Use by County, 2023

(Data Source: Table 3)

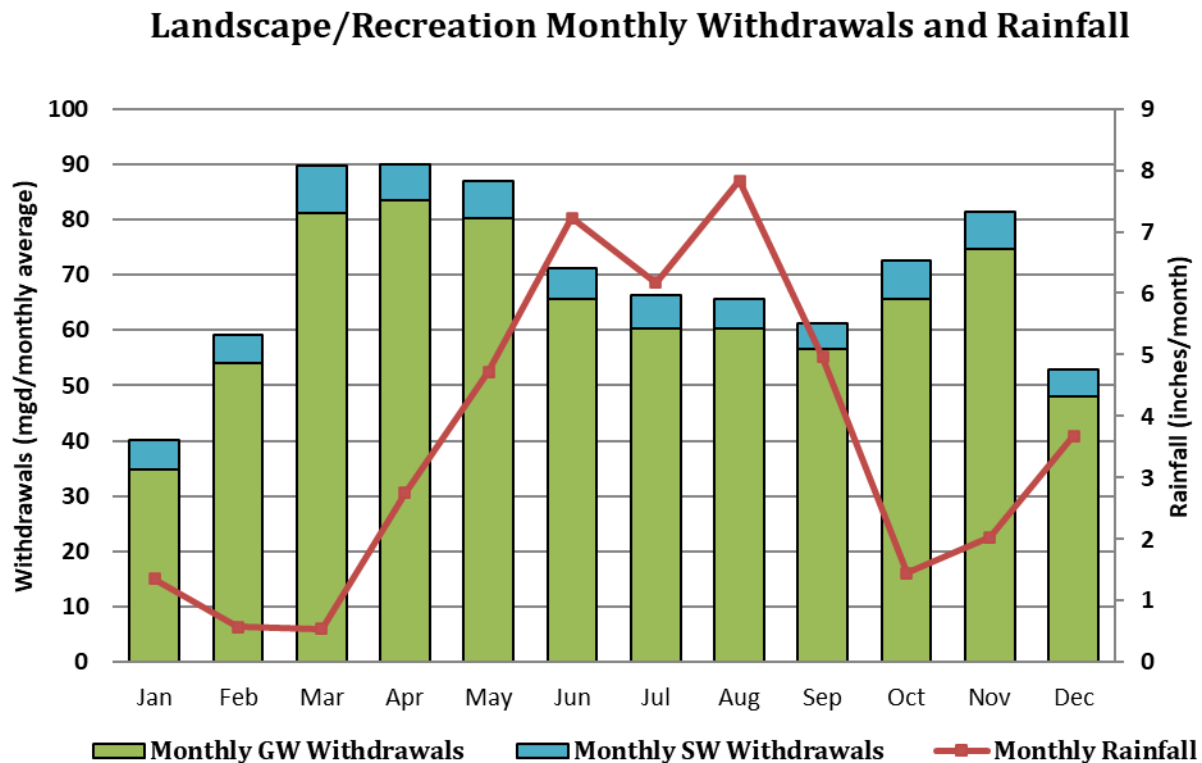


Figure 8. Landscape/Recreation Surface Water and Groundwater Withdrawals (mgd/month) and Regional Rainfall (inches/month), 2023

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

2023 ESTIMATED WATER USE REPORT

AGRICULTURE **WITHDRAWAL/USE = 310.2 MGD**

In 2023, the total agriculture water withdrawals in the District were 310.2 mgd, which was a decrease from 329.2 mgd withdrawn in 2022, and below a 10-year average of 333.4 mgd. Most of the decrease was in citrus use. 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, and personal sanitary uses.

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. In the SWUCA, irrigation permits for 100,000 gpd or more on a "drought" annual average basis (2-in-10 statistical rainfall year) are metered. In the northern counties, which are outside of the WUCAs, metering requirements are based on an original permitting standard from the 1980s of 500,000 gpd or more. Therefore, fewer agricultural WUPs in the northern counties are metered. The metered withdrawal data, along with 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 establishment of the DPC WUCA in 2011 required metering for agricultural withdrawals in the WUCA for permits with freeze protection quantities, along with any 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 check meters, the District provides free automatic meter reading (AMR) services to accurately monitor freeze protection pumpage.

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. More information on agricultural permit calculations can be found in Chapters 3 and 5 of the Water Use Permit Information Manual, Part B, Basis of Review: <https://www.swfwmd.state.fl.us/media/document/3166>

2023 DATA

Year-to-year fluctuations of agricultural water use are common and are often more pronounced than other predominant use types. There are multiple reasons for the annual variability. For example, the record high was during a severe drought in 2000, and the record low occurred in 2020 when the Covid pandemic reduced agricultural activities. Some factors and their influence in 2023 are discussed below.

Effective Rainfall: Districtwide annual average rainfall in 2023 was 43.9 inches, which was far below the historic mean average of 52.7 inches. February and March, a normally low-rainfall period, were exceptionally dry with less than an inch of rainfall both months. January, July, September, and October were also below average. Hurricane Idalia made landfall in Florida's Big Bend region on August 29, 2023. The outer rainbands brought about 3 inches to the District's northern counties and 5 inches to the south, but the August monthly total was still slightly below average. Despite this, agricultural water use is below average in 2023, even though increased irrigation is apparent in other use categories. Other undetermined commercial factors may have influenced the reduced agricultural water use 2023. The Figure 10 graph the wetter months of June through September and reduced use during that period.

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. In 2023, there was one night in January where temperatures dipped below 35 degrees in Dover, which may have triggered

2023 ESTIMATED WATER USE REPORT

protection pumpage at some farms, but temperatures hovered above freezing.

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 irrigation has declined by over half since its last peak in 2012 because groves across Florida have been fighting the Huanglongbing virus, known to as citrus greening. Citrus acreage also continues to decline. However, citrus still remains the dominant crop type in the District. Citrus irrigation was 163.4 mgd in 2023, which was 10 percent less than in 2022 and below a 20-year average of 216.4 mgd.

COUNTY AND CROP TYPES

Table 4 summarizes water use by county and by agricultural use groups based on similar crop types. Compared to 2022, irrigation for Strawberries increased 23 percent, Sod 18 percent, and Tomatoes 12 percent. All other crop types decreased.

The agricultural groupings are similar to those used by the Florida Department of Agricultural and Consumer Services. The Figure 9 pie chart shows the percentage of agricultural use by each county.

GROUNDWATER & SURFACE WATER

Groundwater was the source of 96 percent of the agricultural withdrawals (297.6 mgd) in 2023.

The surface water quantity represents withdrawals from natural resources exclusively; it does not include pumpage from tailwater recovery systems, storage ponds that are augmented with reclaimed water or stormwater, or other alternative sources. This methodology prevents double-counting of pumpage from augmentation wells into ponds. Numerous farms within the District have implemented conservation efforts that include alternative sources and reuse systems such as tailwater

recovery ditches and ponds. The exclusion of repumped water is an important distinction if using this data to study crop irrigation rates, as actual irrigation rates may exceed withdrawals from natural resources.

Appendices

Appendix A, Table A-7, lists permit-specific data for all metered agricultural WUPs including withdrawals, the total permitted quantities, and the permitted quantities specifically for agricultural use. The WUP's listed crop use code in Table A-7 is based on the WUP's largest permitted crop allocation, although the permittee may have multiple crop types.

Appendix A, Table A-8, provides the monthly withdrawals 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 withdrawals slightly exceeded public supply in the SWUCA

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 722.0 mgd was permitted for agriculture Districtwide. 43percent of the permitted agricultural quantities were used.

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. 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 irrigation wells are located outside the boundary.

2023 ESTIMATED WATER USE REPORT

Table 4. 2023 Summary of Metered + Estimated Annual Average Agricultural Water Withdrawals (mgd) by County and Water Source by Use

County	Blue- berry	Citrus	Field Crop ¹	Melon	Nursery	Pasture	Sod	Straw- berry	Tomato	Vegetable	Aqua- culture	Live- stock, Dairy	Other ²	Total	Ground- water	Surface Water
*Charlotte	0	2.127	0.126	0.105	0.026	0.075	1.505	0	1.299	2.311	0	0.003	0.008	7.585	5.119	2.466
Citrus	0.395	0.128	0.355	0.222	0.144	0.060	0.000	0.178	0.057	0.011	0	0.003	0.002	1.555	1.527	0.028
Desoto	0.437	38.832	0.353	3.180	0.077	1.332	2.974	0.162	0.988	0.297	0.717	0.105	0.122	49.576	49.253	0.323
Hardee	1.916	25.789	0.685	0.647	1.628	1.628	0.342	0.187	0.340	1.181	0	0.093	0.082	34.518	33.513	1.005
Hernando	0.196	0.520	0.297	0	0.299	0.057	0	0	0	0.079	0	0.008	0.028	1.484	1.457	0.027
*Highlands	0.465	31.846	0.152	0.014	0.255	0.277	0.365	0	0	0	0	0.071	0.179	33.624	30.117	3.507
Hillsborough	1.381	1.517	0.417	2.128	3.529	0.377	0.834	21.026	4.940	6.876	2.604	0.050	0.508	46.187	43.690	2.497
*Lake	0.056	0.304	0.215	0.083	0	0.049	0.067	0	0	0	0.016	0.002	0	0.792	0.792	0
*Levy	0.083	0	4.990	1.219	1.638	0.206	0.447	0	0	0.042	0	0	0	8.625	8.625	0
Manatee	0.011	3.638	1.442	0.288	0.688	0.159	2.808	2.044	21.569	5.571	0.086	0.424	0.003	38.731	38.476	0.255
*Marion	0.000	0	1.451	0.481	0.456	0.149	0	0	0	0.006	0	0.024	0.185	2.752	2.752	0
Pasco	0.712	2.621	0.831	0.058	0.288	0.132	0.706	0	0	0.171	0	0.086	0.082	5.687	5.641	0.046
Pinellas	0	0	0	0	0	0	0	0	0	0	0	0	0.002	0.002	0.002	0
*Polk	5.246	55.785	0.739	0.104	1.294	0.919	1.340	0.900	0	0.171	0.960	0.069	0.635	68.162	65.862	2.300
Sarasota	0.007	0.222	0.013	0.000	0.160	0.097	0.832	0	2.364	0.340	0.002	0.044	0	4.081	3.970	0.111
Sumter	0.213	0.090	1.381	0.556	1.772	0.075	0.794	0	0.023	0.137	1.648	0.079	0.067	6.835	6.835	0
District Total	11.118	163.419	13.447	9.085	12.254	5.592	13.014	24.497	31.580	17.193	6.033	1.061	1.903	310.196	297.631	12.565
% of Total	4%	53%	4%	3%	4%	2%	4%	8%	10%	6%	2%	0.3%	1%	100%	96%	4%
Groundwater	10.199	156.420	13.447	8.769	11.622	5.534	12.999	23.127	31.431	15.169	5.950	1.061	1.903		297.631	
Surface Water	0.919	6.999	0	0.316	0.632	0.058	0.015	1.370	0.149	2.024	0.083	0	0			12.565

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

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

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

² Other includes Lawn & landscape irrigation by agricultural businesses (0.317 mgd), non-citrus fruit trees and vineyards (1.090 mgd), research (0.327 mgd), and non-irrigation agriculture uses (0.169 mgd).

2023 ESTIMATED WATER USE REPORT

Percent of Agriculture Use by County

Total Use = 310.2 mgd

Calculation includes only
District portion of counties

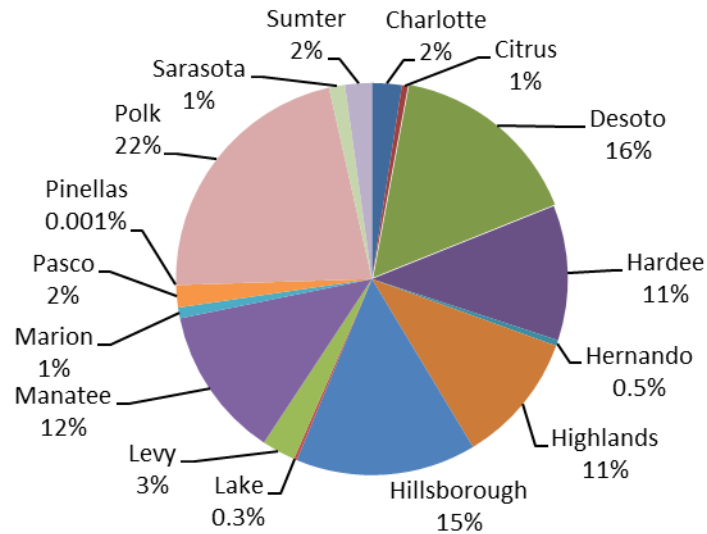


Figure 9. Percentage of Agriculture Water Use by County, 2023

(Data source: Table 4)

Agriculture Monthly Withdrawals and Rainfall

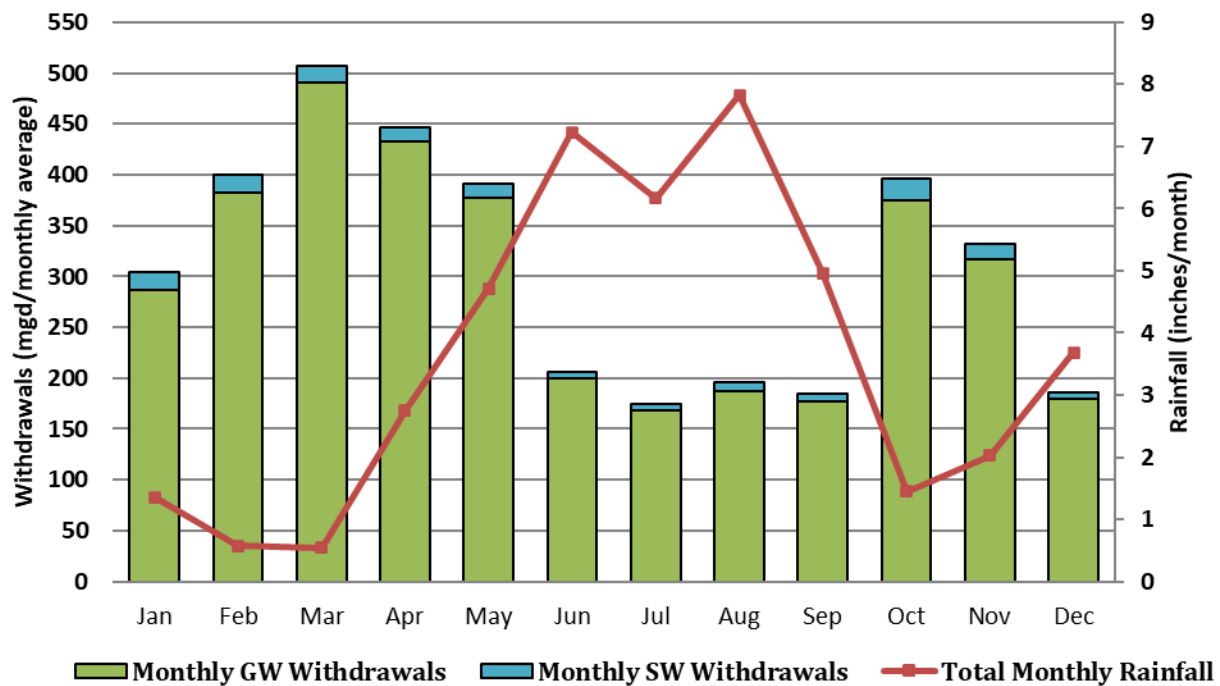


Figure 10. Agriculture Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2023

(Data Sources: Appendix A, Table A-8 and District rainfall data)

2023 ESTIMATED WATER USE REPORT

MINING/DEWATERING WITHDRAWAL/USE = 13.3 MGD

In 2023, 13.3 mgd was withdrawn from water resources for mining and dewatering activities in the District. This amount is down from the 17.8 mgd withdrawn in 2022 and below a ten-year average of 19.2 mgd. The dewatering activities for construction (non-mining) were only 0.03 mgd of this category.

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 for construction activities such as borrow-pits or building foundations.

The mining water uses quantified in this report may include water entrained in the mined product, water used to move slurry if it's discharged off-site, make-up of water losses in recirculating 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.

The water used for on-site processing of mined materials at a local facility is included in this category, but water for processing facilities where materials are transported from off-site mines is categorized as industrial/commercial.

The District's method of permitting and quantifying mining/dewatering water use has been consistent since 2000. Prior to then, WUPs were based dewatering volume regardless of local recirculation. In some cases, pumped water would return through shallow aquifers when discharged to nearby areas. WUPs issued after 2000 only count the water removed from local hydrologic systems as permitted discharges. This distinction is notable when evaluating long-term trends that appear to decrease after 2000.

Mining practices have improved their water efficiency over time. To conserve water, most of the mining operations today let the mined materials sit to dewater, and the effluent 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 may 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 in the slurry process.

The Mosaic Fertilizer Integrated WUP (#11400) had 135 active resource withdrawal points in 2023 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 27.5 mgd, of which 12.7 mgd was for mining and the remainder categorized as industrial/commercial uses, primarily off-site processing.

2023 DATA

Table 5 summarizes county-level water use by mining product type along with sanitary/fire safety, general mining uses, and dewatering. Phosphate accounted for 96 percent of the uses.

Figure 11 shows the percentage of mining/dewatering water use by each county. Polk County had the majority of use in 2023.

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

2023 ESTIMATED WATER USE REPORT

Appendices

Appendix A, Table A-9 provides 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 2023 by groundwater and surface water, by county, and within each WUCA.

The tables in Appendix C provide the permitted quantities for mining/dewatering in 2023 by county, by groundwater and surface water, and

within each WUCA. Comparing the total use for mining/dewatering to the total permitted (55.5 mgd) indicates that only 24 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 not formally allocated among specific withdrawal points in each county. Any data comparisons of "permit" quantities to "withdrawal" quantities specific to Hardee, Hillsborough, Manatee, and Polk counties should compensate for this difference.

2023 ESTIMATED WATER USE REPORT

Table 5. Mining/Dewatering Water Withdrawals (mgd) by County & Use Type, 2023

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	0.092	0	0	0	0	0.014	0.122	0.007	0.115
Citrus	0	0.017	0	0	0	0	0	0.017	0.007	0.010
Desoto	0	0.006	0	0	0	0	0	0.006	0	0.006
Hardee	0	0	0	0	0	3.334	0	3.334	3.334	0
Hernando	0	0.013	0	0.007	0	0	0	0.02	0.016	0.004
*Highlands	0	0.010	0	0	0	0	0	0.01	0.001	0.009
Hillsborough	0	0.027	0	0	0	1.696	0.011	1.734	1.724	0.01
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0	0	0
Manatee	0	0.012	0	0	0	3.556	0	3.568	3.568	0
*Marion	0	0.023	0	0.001	0	0	0	0.024	0.024	0
Pasco	0	0.072	0	0	0	0	0	0.072	0.003	0.069
Pinellas	0	0	0	0	0	0	0	0	0	0
*Polk	0.011	0.078	0	0	0	4.137	0.135	4.361	4.303	0.058
Sarasota	0	0	0	0	0	0	0.003	0.003	0	0.003
Sumter	0	0.045	0	0	0.001	0	0	0.046	0.021	0.025
District Total	0.027	0.395	0	0.008	0.001	12.723	0.163	13.317	13.008	0.309
% Of Total	0.2%	3%	0%	0.06%	0.01%	96%	1%	100%	98%	2%
Groundwater Use	0.011	0.129	0	0.008	0	12.723	0.137		13.008	
Surface Water Use	0.016	0.266	0	0	0.001	0	0.026			0.309

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

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

2023 ESTIMATED WATER USE REPORT

Percent of Total Mining/Dewatering Use by County

Total Use = 13.7 mgd

"Other" includes DeSoto, Highlands, and Sarasota Counties.

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

Calculation includes only District portion of counties

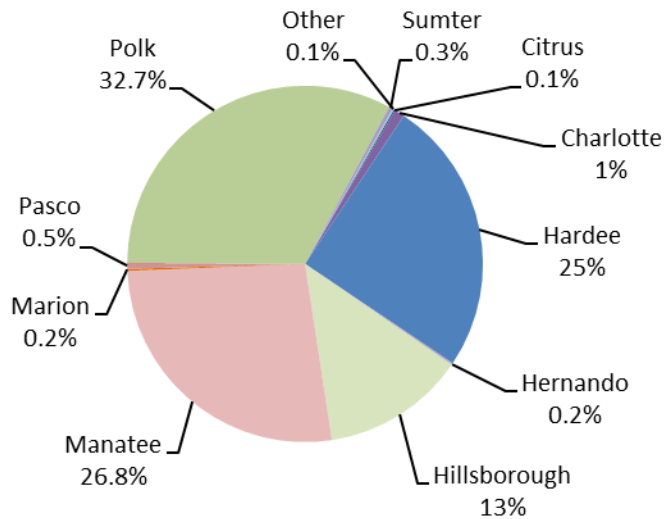


Figure 11. Percentage of Mining/Dewatering Water Use by County, 2023

(Data source: Table 5)

Mining/Dewatering Monthly Withdrawals and Rainfall

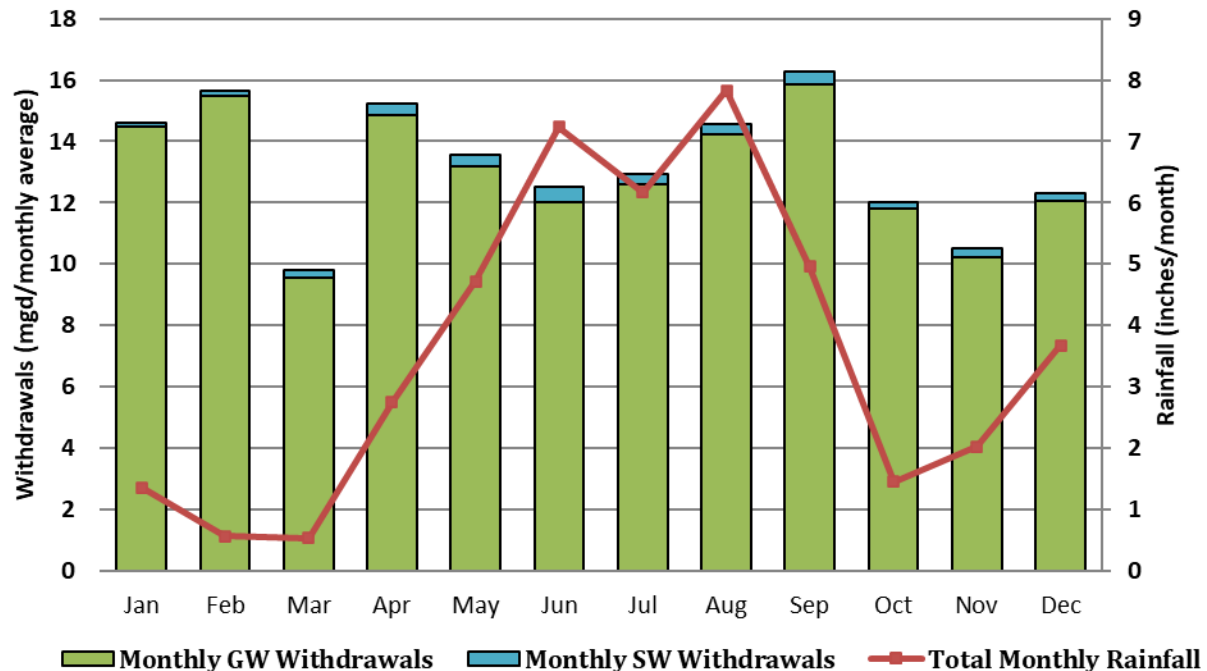


Figure 12. Mining/Dewatering Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2023

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

2023 ESTIMATED WATER USE REPORT

INDUSTRIAL/COMMERCIAL WITHDRAWAL/USE = 52.7 MGD

Approximately 52.7 mgd were withdrawn for industrial/commercial water uses in the District in 2023. This was a decrease from 60.2 mgd withdrawn in 2022 and below a ten-year average of 56.8 mgd.

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 eventually 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 2023, public supply utilities sold 109.6 mgd of water to industrial/commercial customers.

2023 DATA

Table 6 shows the county-level water use by industry group type and by groundwater and surface water. Each 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 permittee's well use. Businesses with large irrigation allocations may have dedicated irrigation wells and a multi-use WUP, in which case the withdrawals would be counted in the landscape/recreation category.

Power Generation: The water used from natural resources by permitted power facilities totaled 9.5 mgd. Power Generation uses may include water used for steam cooling, once-through cooling flows, emission control, boiler feed and makeup water, personal sanitary needs for visitors and employees, and other small uses

related to power plants. Some WUPs are for solar facilities that have relatively small water allocations for maintenance, sanitary uses, and grazing animals for weed control. Seawater used for power generation cooling is not included in this report, as it is not regulated by the District.

Food Processing and Packing: Food processing and packing uses totaled 3.7 mgd. Most of this use was for citrus processing facilities in Polk County.

Beverage Processing: Beverage processing includes water for content or dilution in beverage products, including bottled water. The quantity used was 1.1 mgd.

Phosphate Processing: When phosphate minerals are transported from the mine site where it was extracted to a separate processing facility, the use is classified as industrial/commercial. Phosphate processing totaled 21.7 mgd, mostly 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 4.0 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 6.3 mgd.

General/Specialty: The general/specialty group includes 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 needs, cleaning, maintenance, emission control, refrigeration, product dilution, and equipment cooling. It could also include environmental augmentation manage impacts from industrial/commercial uses. Most of these permittees have relatively small WUPs, but cumulatively the uses totaled 6.2 mgd.

2023 ESTIMATED WATER USE REPORT

Figure 13 shows the percentage of industrial/commercial use for each county. Over half of the industrial/commercial water use in the District occurred in Polk County, where large permittees include a phosphate processing facility, other chemical factories, a regional power plant, and multiple food packing and distribution centers.

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. The increase of surface water in September was partly for topping off a power plant cooling reservoir in Manatee County while water resources were available.

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 2023 by groundwater and surface water, by county, and by the WUCAs.

Appendix C provides the quantities permitted in 2023 by county, by groundwater and surface water, and by the WUCAs. The Districtwide permitted quantity for industrial/commercial uses was 141.7 mgd, and 37 percent of the allocation was used in 2023.

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 2023, the WUP's industrial/commercial withdrawals were mostly in Polk County.

2023 ESTIMATED WATER USE REPORT

Table 6. Industrial/Commercial Withdrawals (mgd) by County & Use Type, 2023

County	I/C Landscape Irrigation	Power Generation	Food Processing & Packing	Beverage Processing	Phosphate Processing	Cement & Lime Processing	Manufacturing & Chemical Processing	General/ Specialty, Other ¹	Total	Total Ground -water	Total Surface Water
*Charlotte	0	0	0	0	0	0.020	0.002	0.001	0.023	0.023	0
Citrus	0	2.055	0	0.004	0	0.001	0.115	0.084	2.259	2.259	0
Desoto	0	0.052	0.246	0	0	0	0	0.308	0.606	0.606	0
Hardee	0	0.019	0.019	0	0	0	0.022	2.771	2.831	2.831	0
Hernando	0	0	0	0	0	3.636	0.018	0.009	3.663	2.974	0.689
*Highlands	0.002	0	0	0	0	0	0.027	0.015	0.044	0.044	0
Hillsborough	0.019	0.249	0.169	0	1.713	0.055	4.362	1.041	7.608	4.935	2.673
*Lake	0	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0.010	0.010	0.010	0
Manatee	0.002	1.759	0.012	0	0	0.069	0.007	0.219	2.068	0.325	1.743
*Marion	0	0	0.008	0	0	0	0.008	0.014	0.030	0.030	0
Pasco	0.017	0.153	0	0.537	0	0.001	0.031	0.602	1.341	0.857	0.484
Pinellas	0.001	0	0	0	0	0	0	0.156	0.157	0.157	0
*Polk	0.157	5.255	3.027	0.540	19.986	0.117	1.676	0.496	31.254	30.938	0.316
Sarasota	0.033	0	0	0	0	0.037	0.004	0.021	0.095	0.090	0.005
Sumter	0.002	0	0.178	0.016	0	0.077	0.048	0.409	0.730	0.726	0.004
District Total	0.233	9.542	3.659	1.097	21.699	4.013	6.320	6.156	52.719	46.805	5.914
% of Total	0.4%	18%	7%	2%	41%	8%	12%	12%	100%	89%	11%
Groundwater Use	0.228	7.513	3.659	0.613	21.699	3.304	3.656	6.133		46.805	
Surface Water Use	0.005	2.029	0	0.484	0	0.709	2.664	0.023			5.914

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

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

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

2023 ESTIMATED WATER USE REPORT

Percent of Industrial/Commercial Use by County

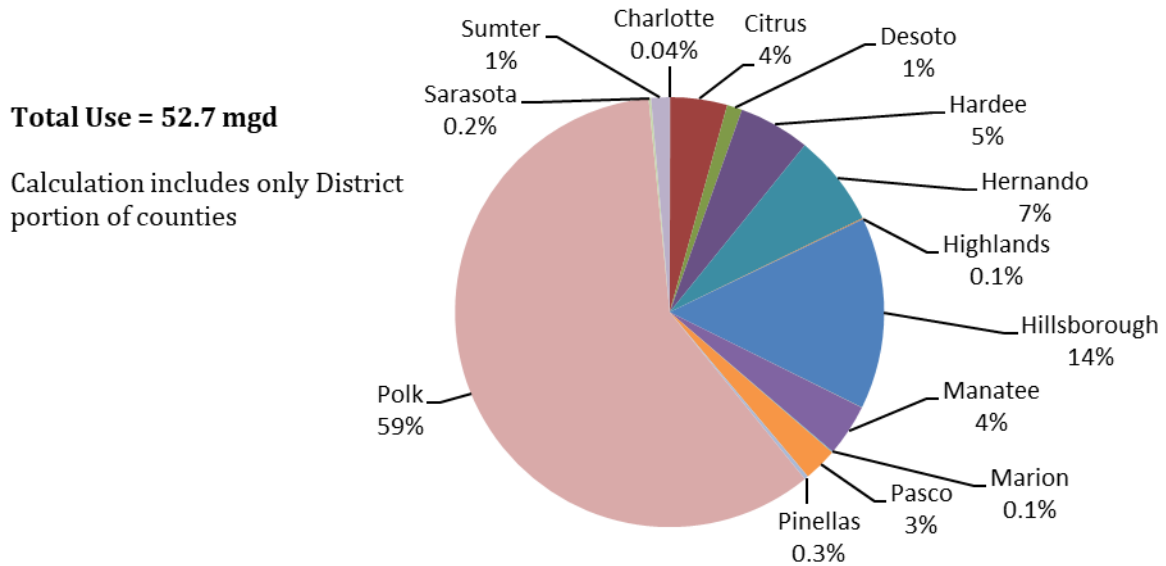


Figure 13. Percentage of Industrial/Commercial Water Use by County, 2023

(Data source: Table 6)

Industrial/Commercial Monthly Withdrawals and Rainfall

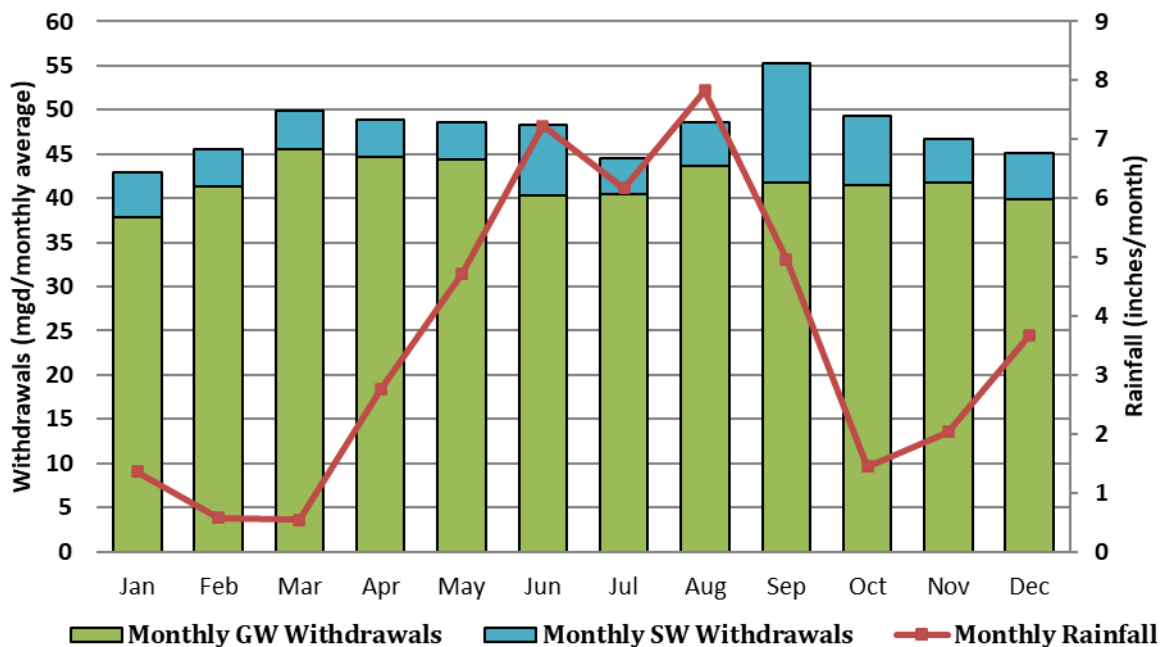


Figure 14. Industrial/Commercial Monthly Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2023

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

2023 ESTIMATED WATER USE REPORT

INSTITUTIONAL AND “OTHER” WITHDRAWAL/USE = 7.0 MGD

Approximately 7.0 mgd were withdrawn for institutional and “other” water uses in the District in 2023. This was an increase from 4.2 mgd withdrawn in 2022, mostly from increased environmental augmentation.

The institutional use and “other” predominant use categories were added in 2014 by adoption into Chapter 40D-2.501 Florida Administrative Code, for consistency with the five water management districts. Some of the districts group institutional with industrial/commercial.

By the end of 2023, there were 46 WUPs with categorized institutional water use and 14 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, prisons, universities, or other similar facilities. The specific institutional uses may include personal sanitary needs, air conditioning supply, landscape irrigation, fire-fighting supply, sports playing fields, etc. Many institutions were traditionally permitted in the public supply or industrial/commercial categories.

Some permittees are municipalities with a well for a specific use like fire hydrants, dust control, street washing, or other use without an associated population demand.

The institutional use subtotal was 3.6 mgd.

“OTHER” USE

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

Eleven of the 14 “other” WUPs active in 2023 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 withdrawals are operated to maintain surface water levels when they fall below specific trigger levels defined in environmental management plans.

Augmentation is primarily needed during dry or drought conditions. 2023 was a relatively dry year, and most of the environmental augmentation WUPs were active. The largest withdrawals were over 6 mgd during April and May to augment the Hillsborough River via surface water from the Harney Canal.

The three additional “other” permittees include a turtle breeding/research center in Polk County that uses water for aquatic habitats, a small irrigation withdrawal for a sand skink habitat, and for herbicides and maintenance at a wildlife management area.

The “other” use annual average subtotal was 3.4 mgd

2023 DATA

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

Appendix A, Table A-13 provides the specific uses and quantities for all WUPs in this category. Both metered and estimated WUPs are listed in the table. Table A-14 provides the monthly use quantities by county. Appendix B provides groundwater and surface water use quantities in 2023 by county and by WUCA. Appendix C provides the quantities permitted in 2023 by county, by groundwater and surface water, and by WUCA. The permitted allocations for institutional use were 8.1 mgd and for “other” uses were 14.6 mgd.

2023 ESTIMATED WATER USE REPORT

Table 7. Institutional and “Other” Withdrawals (mgd) by County & Use Type, 2023

County	Institutional, Air Conditioning	Institutional, Fire Systems	Institutional, Landscape	Institutional, Personal/ Sanitary	Institutional, Sports Fields	Institutional, additional uses	"Other" Augment ation	"Other" Aquatic Habitat	Total	Ground water	Surface Water
*Charlotte	0	0	0	0	0.015	0	0	0	0.015	0.015	0
Citrus	0	0.001	0.007	0	0	0	0	0	0.008	0.008	0
Desoto	0	0	0	0	0.012	0	0	0	0.012	0.012	0
Hardee	0	0	0.001	0.413	0	0.002	0	0	0.416	0.416	0
Hernando	0	0	0	0	0	0	0	0	0	0	0
*Highlands	0	0	0.015	0.013	0.006	0	0	0	0.034	0.034	0
Hillsborough	0.215	0	0.024	2.191	0	0.003	1.968	0	4.401	2.486	1.915
*Lake	0	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0.002	0	0	0	0.002	0.002	0
Manatee	0	0	0	0	0	0	0	0	0	0	0
*Marion	0	0	0	0.038	0	0	0	0	0.038	0.038	0
Pasco	0	0	0	0.301	0.007	0	1.361	0	1.669	1.662	0.007
Pinellas	0.008	0	0	0	0	0	0	0	0.008	0.008	0
*Polk	0	0.001	0	0.234	0	0	0	0.053	0.288	0.288	0
Sarasota	0.052	0	0	0	0.027	0	0	0	0.079	0.079	0
Sumter	0	0	0	0	0	0	0	0	0	0	0
District Total	0.275	0.002	0.047	3.190	0.069	0.005	3.329	0.053	6.970	5.048	1.922
% of Total	4%	0%	1%	46%	1%	0%	48%	1%	100%	72%	28%
Groundwater	0.275	0.002	0.047	3.161	0.069	0.005	1.436	0.053	5.048	5.048	
Surface Water	0	0	0	0.029	0	0	1.893	0	1.922		1.922

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

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

2023 ESTIMATED WATER USE REPORT

Percent of Institutional/Other Use by County

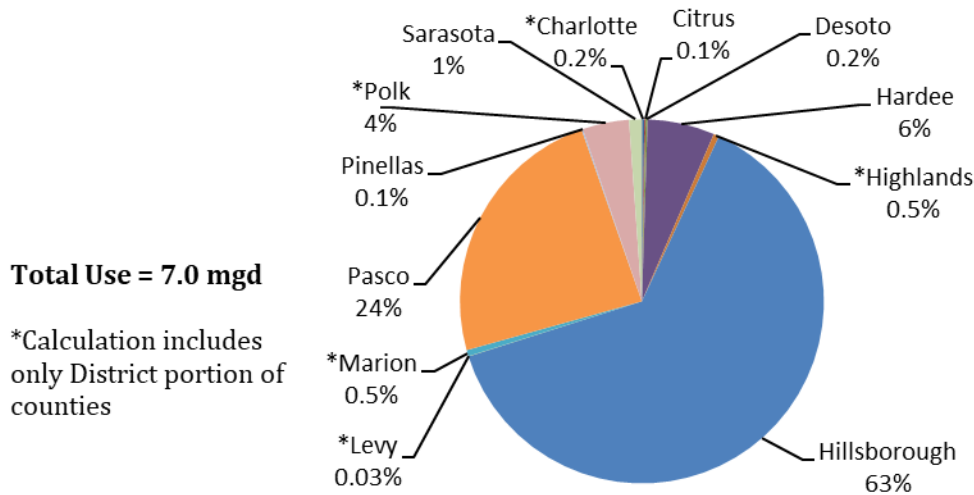


Figure 15. Percentage of Institutional and “Other” Water Use by County, 2023
(Data source: Table 6)

Institutional & “Other” Monthly Withdrawals and Rainfall

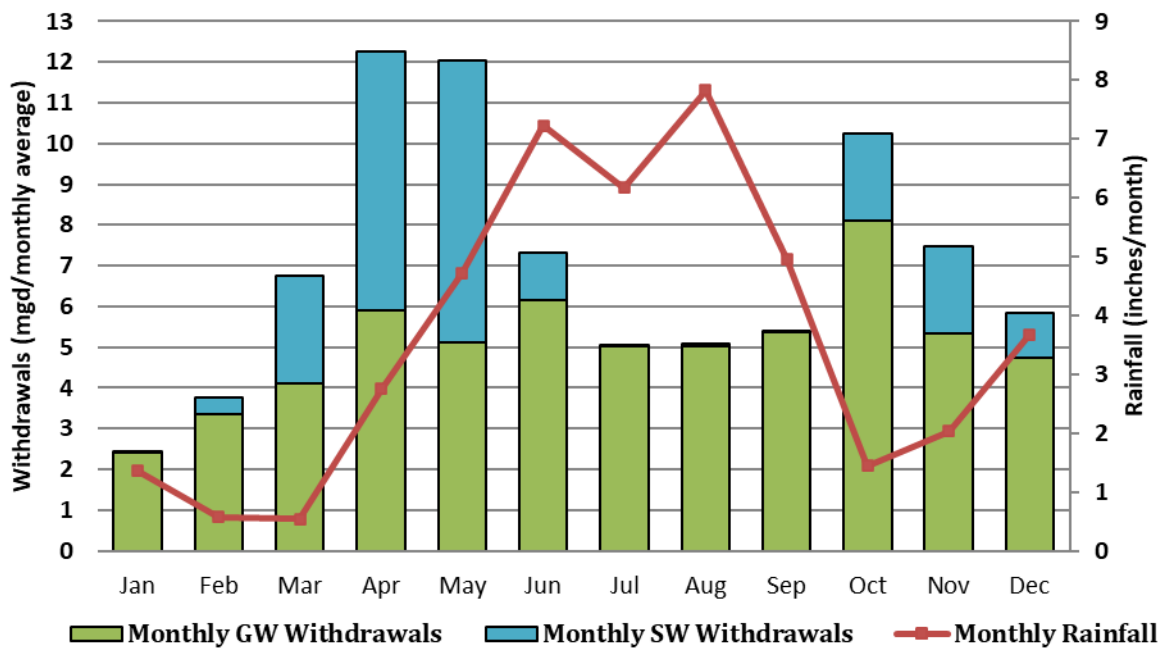


Figure 16. Institutional and “Other” Monthly Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2023
(Data sources: Appendix A, Table A-14 and District rainfall data)

2023 ESTIMATED WATER USE REPORT

DISTRICTWIDE TOTALS
WITHDRAWALS = 1,123.3 MGD
USE = 1,115.0 MGD

The total amount of water *withdrawn* from water resources in the District was calculated as 1,123.3 mgd. The total *withdrawals* are up from 1,110.2 mgd in 2022 and are above a ten-year average of 1,076.4 mgd. Withdrawals increased from 2022 in the public supply, domestic, landscape/recreation, and institutional “other” categories; but decreased in agriculture, mining/dewatering, and industrial/commercial.

This report quantifies public supply *withdrawals* and *uses* separately because of treatment losses, seasonal storage, regional distribution of supplies; but for other categories *withdrawals* and *use* are assumed the same because the supply is typically used where and when it’s withdrawn. After factoring public supply *use* into the District total, the total water *used* in the District was calculated as 1,115.0 mgd, which was an increase from 1,086.9 mgd *used* in 2022.

2023 DATA

The 2023 data was based on 6,799 WUPs active during the year with a combined 16,708 resource withdrawal points (groundwater wells or surface water intakes), plus reported seawater desalination production and demographic estimates for domestic self-supply use.

WUPs that are required to submit metered water use to the District on a monthly or daily schedule represent about 30 percent of all active WUPs. However, since the permitted quantities of most metered WUPs are orders-of-magnitude greater than unmetered WUPs, the metered withdrawals represent 88 percent of the total quantity withdrawn. Tables 8a and 8b show the historical metered quantities and the number of metered and unmetered WUPs.

Table 9 provides the totals of water *withdrawn* and water *used* in the District in 2023 by use type and county, as summarized from the prior chapters. The public supply *use* accounts for imports, exports, treatment losses, and net

storage changes in ASR or off-stream reservoirs; which 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* was 1,929.8 mgd annual average, and 58 percent of the allocations were utilized. A substantial unused permitted quantity is expected because permit allocations provide for demands during drought conditions and 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 for the metered and estimated WUPs only.

Figure 18 compares the amount of groundwater and surface water *withdrawn* in each county in 2023. The figure illustrates that Hillsborough County had the most total *withdrawals*, but Polk County used more groundwater. 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 that monthly groundwater *withdrawals* are inversely proportionate to the monthly rainfall since irrigation demands are a significant portion of water use. Surface water withdrawals increased when resources were available.

Districtwide average rainfall in 2023 was only 43.3 inches, which was below a historic mean average of 52.7 inches. Less than one inch fell in both February and March. Hurricane Idalia brought a few inches of rain in late August, but the month was still slightly below average.

Figure 20 illustrates the Districtwide groundwater and surface water *withdrawals* by predominant use category. Public supply is the largest use, and for the last two years public supply has accounted for more groundwater *withdrawals* than agriculture.

2023 ESTIMATED WATER USE REPORT

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, 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 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 with more than one predominant use type allocation 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.

Appendix B tables show the total annual average quantities *withdrawn* by groundwater and surface water sources for each county, water use category, and within each WUCA. Seawater desalination supply and domestic

self-supply estimates are not included in these tables because these sources are not regulated by the District. Tables B-6 and B-7 quantify water use within the FARMS priority watersheds of Upper Myakka and Shell Creek.

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

Appendix E shows the calculations for the DEP uniform per capita rates (gross and residential). The DEP specifies 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. It is recommended to consider methodology used for this report before comparing multi-decadal EWU trends or data from other sources. Table F-1 provides the ratios applied to estimate withdrawals.

2023 ESTIMATED WATER USE REPORT

Table 8a. Summary of 10 Years Metered Water Use Data, 2014 - 2023

Pumpage from Metered Withdrawal Points, 2014 to 2023, mgd annual average											
Use type	Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Public Supply		525.2	520.0	532.4	553.4	542.8	554.4	576.0	589.4	589.7	620.6
Landscape/Recreation		42.7	39.2	48.1	50.6	47.0	47.4	46.1	45.5	46.7	55.3
Agricultural		227.3	220.6	228.0	274.0	258.2	246.3	212.4	234.1	218.1	223.5
Mining/Dewatering		17.7	26.3	21.8	21.7	19.0	18.3	17.1	14.2	17.4	12.9
Industrial/Commercial		54.1	54.8	49.5	56.5	62.7	53.4	52.0	54.2	58.4	50.6
Institutional/Other Uses		0.6	0.2	1.1	0.6	0.5	0.5	1.9	3.4	3.9	6.6
District Total ¹		867.7	861.1	880.9	956.7	930.2	920.3	905.6	940.7	943.1	969.6
Number of Metered Water Use Permits, 2014 to 2023											
Use type	Year	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
Public Supply		191	186	181	176	175	177	170	169	169	164
Landscape/Recreation		312	310	330	331	333	328	324	312	321	324
Agricultural		1,367	1,461	1,500	1,556	1,576	1,550	1,517	1,527	1,514	1,482
Mining/Dewatering		14	16	16	13	15	16	15	15	16	16
Industrial/Commercial		88	91	89	90	91	90	84	81	80	84
Institutional/Other Uses		2	4	6	6	8	12	15	22	24	25
District Total ²		1,974	2,068	2,122	2,172	2,198	2,173	2,125	2,126	2,124	2,095

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

² The number of permits in this table reflects 100 duplicate counts for permits that have more than one predominant use type. In 2023, there were 1,995 unique metered permits.

Table 8b. Annual Average Permitted Quantities, Metered and Unmetered WUPs, 2023

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	860.472	325	849.322	164	11.15	161
Landscape/Recreation	130.887	1,087	99.525	324	31.362	763
Agricultural	722.041	5,173	549.685	1,482	172.356	3,691
Mining/Dewatering	55.467	80	52.242	16	3.225	64
Industrial/Commercial	141.737	292	133.963	84	7.774	208
Institutional and Other Uses	19.208	60	16.424	25	2.784	35
District Total ¹	1929.812	7,017	1,701.161	2,095	228.651	4,922

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

¹ The number of permits in this table reflects 100 duplicate counts of permits that had more than one use. The distinct count of WUPs evaluated for this report was 6,799 total; 1,995 metered; and 4,804 estimated. Public Supply wholesale WUPs are excluded from the count as they have no permitted quantities.

2023 ESTIMATED WATER USE REPORT

Table 9. Total Metered + Estimated Water Withdrawal and Use (mgd) Quantities by Predominant Use Category, 2023

County	Public Supply Withdrawal	Domestic Self-Supply Withdrawal & Use	Landscape/ Recreation Withdrawal & Use	Agriculture Withdrawal & Use	Mining/ Dewatering Withdrawal & Use	Industrial/ Commercial Withdrawal & Use	Institutional & "Other" Withdrawal & Use	Total Withdrawal Quantity ¹	Public Supply Use Quantity ²	Total Use Quantity ³
*Charlotte	10.987	0.448	1.669	7.585	0.122	0.023	0.015	20.849	20.813	30.675
Citrus	17.331	4.225	2.803	1.555	0.017	2.259	0.008	28.198	17.049	27.916
DeSoto	31.948	0.915	0.169	49.576	0.006	0.606	0.012	83.232	1.868	53.152
Hardee ⁴	1.382	0.534	0.156	34.518	3.334	2.831	0.416	43.171	1.306	43.095
Hernando	23.458	3.952	2.814	1.484	0.020	3.663	0	35.391	23.156	35.089
Highlands	8.622	0.882	2.085	33.624	0.010	0.044	0.034	45.301	8.387	45.066
Hillsborough ^{4,5,6}	223.178	8.868	11.129	46.187	1.734	7.608	4.401	303.105	180.515	260.442
*Lake	0	0.077	0	0.792	0	0	0	0.869	0	0.869
*Levy	0.823	0.812	0.225	8.625	0	0.010	0.002	10.497	0.761	10.435
Manatee ⁴	56.238	0.679	15.567	38.731	3.568	2.068	0	116.851	50.078	110.691
*Marion	15.353	5.088	3.003	2.752	0.024	0.030	0.038	26.288	14.966	25.901
Pasco ⁵	67.183	8.862	3.207	5.687	0.072	1.341	1.669	88.021	54.625	75.463
Pinellas ⁵	30.453	0.313	3.320	0.002	0	0.157	0.008	34.253	93.308	97.108
*Polk ⁴	85.187	2.027	8.566	68.162	4.361	31.254	0.288	199.845	83.264	197.922
Sarasota	25.732	2.813	11.011	4.081	0.003	0.095	0.079	43.814	39.918	58.000
Sumter	29.420	2.527	4.079	6.835	0.046	0.730	0	43.637	28.994	43.211
Totals-	627.295	43.022	69.803	310.196	13.317	52.719	6.970	1,123.322	619.008	1,115.035
% of Withdrawal	56%	4%	6%	28%	1%	5%	0.6%			
% of Use		4%	6%	28%	1%	5%	0.6%		55%	

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

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

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

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

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

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

⁶ Hillsborough County Public Supply Withdrawal/Use Quantities include 2.75 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.

2023 ESTIMATED WATER USE REPORT

Table 10. 2023 Total (metered + estimated) Permitted and Withdrawn Annual Average Quantities (mgd).

County	Agri- culture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Instit- utional	Domestic Self Supply	Total
Permitted Quantities								
*Charlotte	25.661	0.049	0.555	24.976	5.309	0.027	0	56.577
Citrus	3.976	6.128	0.138	20.760	4.459	0.015	0	35.476
Desoto	113.988	1.372	0.054	81.170	0.911	0.017	0	197.512
Hardee	77.758	4.707	6.369	1.728	0.180	0.426	0	91.168
Hernando	3.220	7.275	0.313	26.930	5.567	0	0	43.305
*Highlands	57.111	0.129	0.030	11.247	2.761	0.063	0	71.341
Hillsborough	95.260	24.824	0.525	346.811	17.784	12.670	0	497.874
*Lake	1.742	0	0	0	0	0	0	1.742
*Levy	22.493	1.600	0.123	1.077	0.309	0.003	0	25.605
Manatee	149.169	9.243	0.286	63.790	28.373	0	0	250.861
*Marion	10.850	0.081	0.126	18.937	4.479	0.071	0	34.544
Pasco	15.842	5.889	0.333	20.699	7.220	5.211	0	55.194
Pinellas	0.083	0.328	0	27.472	5.881	0.025	0	33.789
*Polk	112.593	76.857	45.966	131.625	13.288	0.520	0	380.849
Sarasota	16.131	0.234	0.023	51.641	19.382	0.160	0	87.571
Sumter	16.164	3.021	0.626	31.609	14.984	0	0	66.404
District	722.041	141.737	55.467	860.472	130.887	19.208	0	1,929.812
Withdrawn Quantities								
*Charlotte	7.585	0.023	0.122	10.987	1.669	0.015	0.448	20.849
Citrus	1.555	2.259	0.017	17.331	2.803	0.008	4.225	28.198
Desoto	49.576	0.606	0.006	31.948	0.169	0.012	0.915	83.232
Hardee	34.518	2.831	3.334	1.382	0.156	0.416	0.534	43.171
Hernando	1.484	3.663	0.020	23.458	2.814	0	3.952	35.391
*Highlands	33.624	0.044	0.010	8.622	2.085	0.034	0.882	45.301
Hillsborough	46.187	7.608	1.734	223.178	11.129	4.401	8.868	303.105
*Lake	0.792	0	0	0	0	0	0.077	0.869
*Levy	8.625	0.010	0	0.823	0.225	0.002	0.812	10.497
Manatee	38.731	2.068	3.568	56.238	15.567	0	0.679	116.851
*Marion	2.752	0.030	0.024	15.353	3.003	0.038	5.088	26.288
Pasco	5.687	1.341	0.072	67.183	3.207	1.669	8.862	88.021
Pinellas	0.002	0.157	0	30.453	3.320	0.008	0.313	34.253
*Polk	68.162	31.254	4.361	85.187	8.566	0.288	2.027	199.845
Sarasota	4.081	0.095	0.003	25.732	11.011	0.079	2.813	43.814
Sumter	6.835	0.730	0.046	29.420	4.079	0	2.527	43.637
District	310.196	52.719	13.317	627.295	69.803	6.970	43.022	1,123.322
% Withdrawn	43%	37%	24%	73%	53%	36%	NA	58%

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

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

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

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 PSARs.

2023 ESTIMATED WATER USE REPORT

**Table 11. 2023 Permitted and Withdrawn Annual Average Quantities (mgd),
Metered WUPs Only**

County	Agri- culture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Instit- utional	Domestic Self Supply	Total
Permitted Quantities, Metered WUPs Only								
*Charlotte	23.776	0	0.019	20.976	3.372	0	0	48.143
Citrus	0.497	5.650	0	20.484	3.425	0	0	30.056
Desoto	100.478	1.222	0	81.094	0.113	0	0	182.907
Hardee	54.726	4.546	6.369	1.685	0	0.424	0	67.750
Hernando	0	7.184	0	26.808	3.745	0	0	37.737
*Highlands	44.513	0	0	11.078	2.103	0	0	57.694
Hillsborough	80.191	23.778	0.192	346.034	14.534	10.448	0	475.177
*Lake	0.686	0	0	0	0	0	0	0.686
*Levy	12.131	0	0	1.077	0.000	0	0	13.208
Manatee	135.096	8.957	0.056	63.786	24.705	0	0	232.600
*Marion	2.671	0	0	18.469	2.841	0	0	23.981
Pasco	7.428	5.538	0.004	19.303	5.258	5.171	0	42.702
Pinellas	0.078	0.000	0	27.389	4.774	0.019	0	32.260
*Polk	67.126	74.827	45.402	128.295	9.311	0.253	0	325.214
Sarasota	15.078	0	0	51.514	14.501	0.109	0	81.202
Sumter	5.210	2.261	0.200	31.330	10.843	0	0	49.844
District	549.685	133.963	52.242	849.322	99.525	16.424	0	1,701.161
Withdrawn Quantities, Metered WUPs Only								
*Charlotte	7.015	0	0.009	10.987	1.101	0	0	19.112
Citrus	0.132	2.123	0	17.118	2.124	0	0	21.497
Desoto	42.513	0.553	0	31.886	0.031	0	0	74.983
Hardee	21.010	2.787	3.334	1.346	0	0.414	0	28.891
Hernando	0	3.622	0	23.364	2.055	0	0	29.041
*Highlands	26.224	0	0	8.529	1.567	0.000	0	36.320
Hillsborough	39.367	7.290	1.722	219.825	9.194	4.302	0	281.700
*Lake	0.317	0	0	0	0	0	0	0.317
*Levy	4.899	0	0	0.823	0	0	0	5.722
Manatee	34.656	1.933	3.567	56.234	13.484	0	0	109.874
*Marion	0.278	0.000	0	14.999	1.857	0	0	17.134
Pasco	1.224	1.253	0	66.053	2.416	1.647	0	72.593
Pinellas	0	0	0	30.376	2.500	0.008	0	32.884
*Polk	39.514	30.599	4.282	84.161	6.022	0.212	0	164.790
Sarasota	3.623	0.000	0	25.646	9.071	0.052	0	38.392
Sumter	2.779	0.440	0.015	29.278	3.837	0	0	36.349
District	223.551	50.600	12.929	620.625	55.259	6.635	0.000	969.599
% Withdrawn	41%	38%	25%	73%	56%	40%	NA	57%

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

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

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

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 PSARs.

2023 ESTIMATED WATER USE REPORT

**Table 12. 2023 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/ Instit- utional	Domestic Self Supply	Total
Permitted Quantities, Non-Metered WUPs								
*Charlotte	1.885	0.049	0.536	4.000	1.937	0.027	0	8.434
Citrus	3.479	0.478	0.138	0.276	1.034	0.015	0	5.420
Desoto	13.510	0.150	0.054	0.076	0.798	0.017	0	14.605
Hardee	23.032	0.161	0	0.043	0.180	0.002	0	23.418
Hernando	3.220	0.091	0.313	0.122	1.822	0	0	5.568
*Highlands	12.598	0.129	0.030	0.169	0.658	0.063	0	13.647
Hillsborough	15.069	1.046	0.333	0.777	3.250	2.222	0	22.697
*Lake	1.056	0	0	0	0	0	0	1.056
*Levy	10.362	1.600	0.123	0	0.309	0.003	0	12.397
Manatee	14.073	0.286	0.230	0.004	3.668	0	0	18.261
*Marion	8.179	0.081	0.126	0.468	1.638	0.071	0	10.563
Pasco	8.414	0.351	0.329	1.396	1.962	0.040	0	12.492
Pinellas	0.005	0.328	0	0.083	1.107	0.006	0	1.529
*Polk	45.467	2.030	0.564	3.330	3.977	0.267	0	55.635
Sarasota	1.053	0.234	0.023	0.127	4.881	0.051	0	6.369
Sumter	10.954	0.760	0.426	0.279	4.141	0	0	16.560
District	172.356	7.774	3.225	11.150	31.362	2.784	0	228.651
Estimated Withdrawn Quantities, Non-Metered WUPs								
*Charlotte	0.570	0.023	0.113	0	0.568	0.015	0.448	1.737
Citrus	1.423	0.136	0.017	0.213	0.679	0.008	4.225	6.701
Desoto	7.063	0.053	0.006	0.062	0.138	0.012	0.915	8.249
Hardee	13.508	0.044	0	0.036	0.156	0.002	0.534	14.280
Hernando	1.484	0.041	0.020	0.094	0.759	0	3.952	6.350
*Highlands	7.400	0.044	0.010	0.093	0.518	0.034	0.882	8.981
Hillsborough	6.820	0.318	0.012	0.603	1.935	0.099	8.868	18.655
*Lake	0.475	0	0	0	0	0	0.077	0.552
*Levy	3.726	0.010	0	0	0.225	0.002	0.812	4.775
Manatee	4.075	0.135	0.001	0.004	2.083	0	0.679	6.977
*Marion	2.474	0.030	0.024	0.354	1.146	0.038	5.088	9.154
Pasco	4.463	0.088	0.072	1.130	0.791	0.022	8.862	15.428
Pinellas	0.002	0.157	0	0.077	0.820	0	0.313	1.369
*Polk	28.648	0.655	0.079	1.026	2.544	0.076	2.027	35.055
Sarasota	0.458	0.095	0.003	0.086	1.940	0.027	2.813	5.422
Sumter	4.056	0.290	0.031	0.142	0.242	0	2.527	7.288
District	86.645	2.119	0.388	3.920	14.544	0.335	43.022	150.973
% Withdrawn	50%	27%	12%	35%	46%	12%	NA	66%

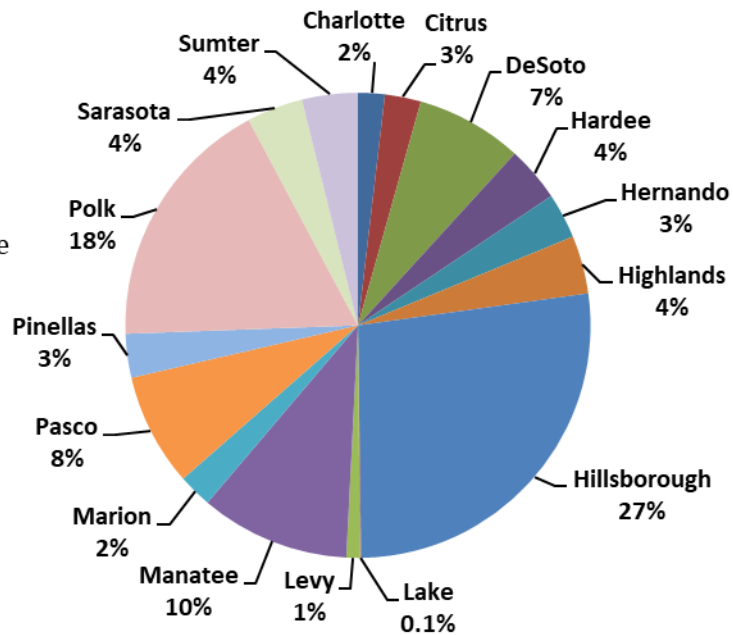
* Data is for only the portion of the county located within the District boundaries.
Rounding errors of less than 0.1 percent may exist when comparing to other tables.
Data source: Estimated Water Use Tables derived from the WMIS database.

2023 ESTIMATED WATER USE REPORT

Percentage Total Water Withdrawn by County

Total Withdrawals = 1,123 mgd

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



Percentage Total Water Used by County

Total Use = 1,115 mgd

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

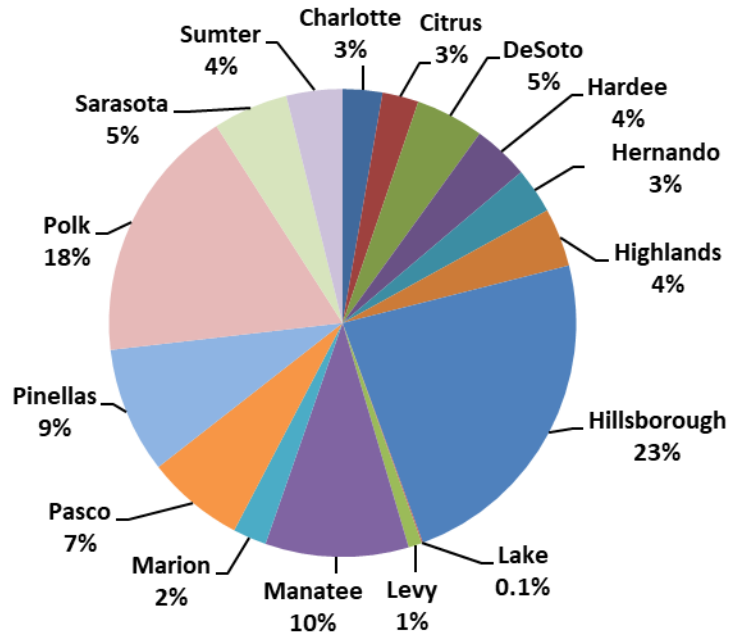


Figure 17. Percentages of Total Withdrawals and Total Use by County, 2023

(Data Source: Table 9)

2023 ESTIMATED WATER USE REPORT

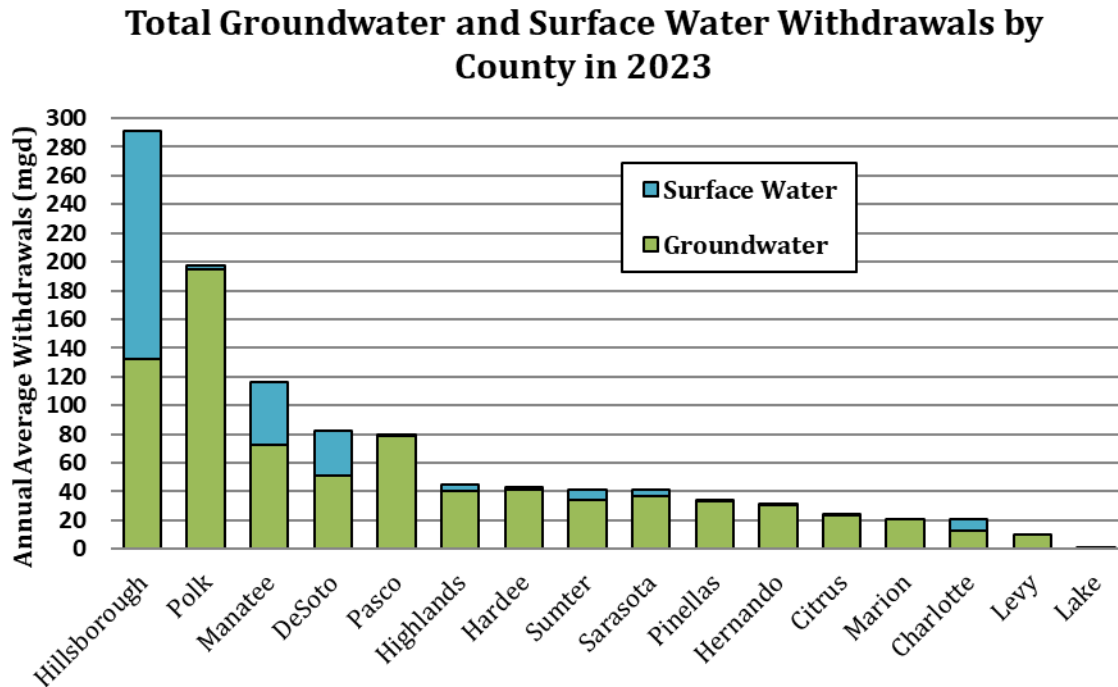


Figure 18. Total Groundwater and Surface Water Withdrawals by County, 2023

(Data Source: Appendix B, Table B-1. The domestic self-supply category is excluded.)

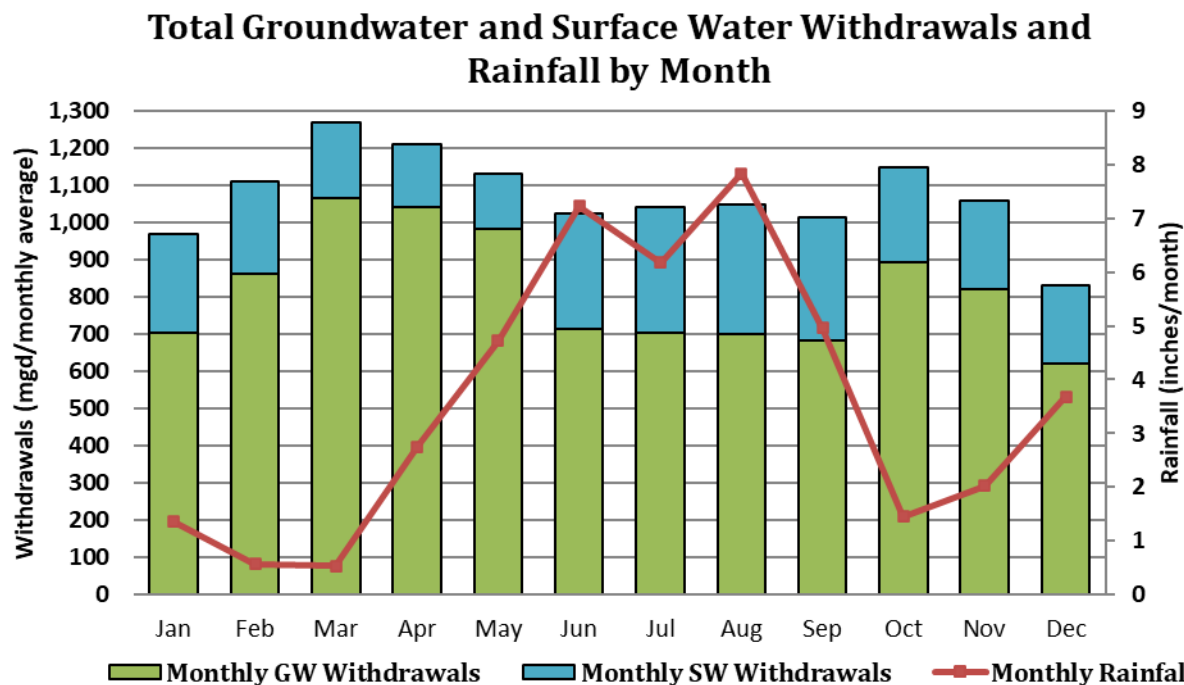


Figure 19. Total Groundwater and Surface Water Withdrawals by Month and Total Monthly Rainfall, 2023

(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.)

2023 ESTIMATED WATER USE REPORT

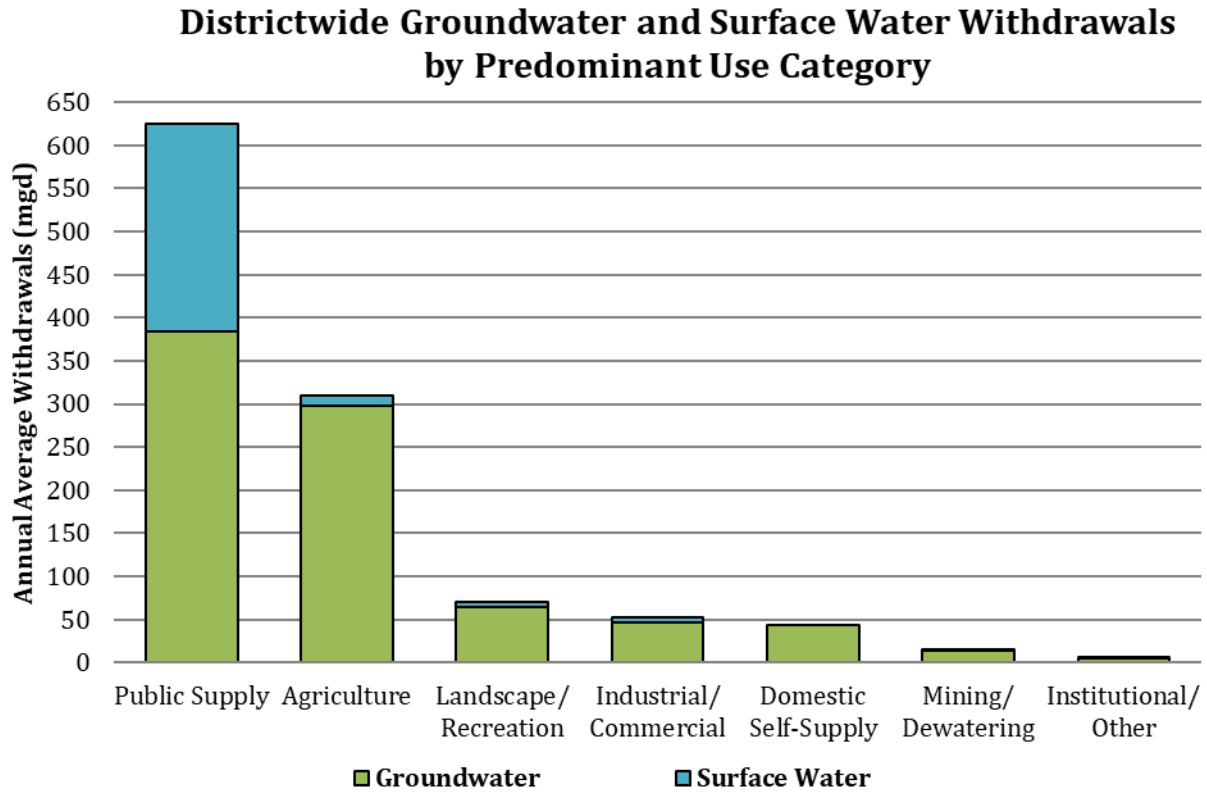


Figure 20. Total Groundwater and Surface Water Withdrawals by Predominant Use Category, 2023

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

APPENDIX A

SUMMARIES OF METERED WITHDRAWALS

PER USE CATEGORY

BY WATER USE PERMIT

2023 ESTIMATED WATER USE REPORT

IMPORTANT INFORMATION REGARDING TABLE A-1

Table A-1, Part 1 lists primary information from Public Supply Annual Reports (PSARs) reported by the major public supply permittees. 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 permittee, 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 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 useful 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 18-19 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>

2023 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2023 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2023 With-drawal	(3) PSA R Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treat-ment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Miti-gation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Charlotte County																		
718	Gasparilla Island	1.538	1.622	Y	GW/RO	0.024	0.000	0.391	1.255	6,605	190	0.000	0.000	0.000	190	0.000	0.234	155
871	City of Punta Gorda	8.088	7.783	Y	SW	1.133	1.226	1.400	6.291	41,582	151	0.000	0.000	0.000	151	0.000	0.000	151
1512	Charlotte Harbor Water	0.91	0.610	Y	GW/RO	0.000	0.000	0.148	0.461	4,722	98	0.000	0.000	0.000	98	0.000	0.000	98
3522	Charlotte Co BOCC	3.172	0.971	Y	GW/RO	0.000	0.019	0.213	0.740	9,086	81	0.000	0.000	0.000	81	0.000	0.000	81
7104	Charlotte Co BOCC	Wholesale	0.000	Y	GW/SW	12.550	0.362	0.122	12.066	149,903	80	0.000	0.000	0.000	80	0.000	0.000	80
Charlotte County Totals			10.987			13.707	1.607	2.274	20.813	211,898	98	0.000	0.000	0.000	98	0.000	0.234	97
Citrus County																		
207	City of Crystal River ¹⁹	0.919	0.815	Y	GW	0.001	0.000	0.000	0.816	5,097	160	0.000	0.000	0.000	160	0.000	0.527	57
419	City of Inverness ¹⁹	1.535	1.214	Y	GW	0.000	0.000	0.012	1.202	9,321	129	0.000	0.000	0.000	129	0.000	0.000	129
1118	Floral City Water Assoc	0.395	0.381	Y	GW	0.000	0.000	0.013	0.368	5,242	70	0.000	0.000	0.000	70	0.000	0.000	70
2842	Citrus County	4.780	3.174	Y	GW	0.000	0.000	0.034	3.140	23,980	131	0.000	0.000	0.000	131	0.000	0.000	131
4153	Rolling Oaks Utilities Inc	1.573	1.912	Y	GW	0.000	0.000	0.053	1.859	12,437	150	0.000	0.000	0.000	150	0.000	0.000	150
4406	Homosassa Water Dist.	0.951	0.831	Y	GW	0.000	0.046	0.005	0.780	5,748	136	0.000	0.000	0.000	136	0.000	0.000	136
6691	Gulf Highway Land Corp	0.288	0.059	Y	GW	0.000	0.000	0.000	0.059	573	103	0.000	0.000	0.000	103	0.000	0.000	103
7121	Citrus County & WRWSA	4.597	5.680	Y	GW	0.000	0.448	0.055	5.177	29,284	177	0.000	0.000	0.000	177	0.000	0.376	164
9097	Tarawood Utilities	0.150	0.008	Y	GW	0.000	0.000	0.000	0.008	178	44	0.000	0.000	0.000	44	0.000	0.000	44
9791	Citrus County	2.435	2.775	Y	GW	0.000	0.000	0.030	2.745	13,428	204	0.000	0.000	0.000	204	0.000	0.000	204
11839	GCP Walden Woods	0.188	0.159	Y	GW	0.000	0.000	0.002	0.157	1,069	147	0.000	0.000	0.000	147	0.000	0.000	147
20230	Ozello Water Assoc	Wholesale	0.000	Y	GW	0.419	0.000	0.004	0.415	4,166	99	0.000	0.000	0.000	99	0.000	0.000	99
Citrus County Totals			17.008			0.420	0.494	0.208	16.726	110,523	151	0.000	0.000	0.000	151	0.000	0.903	143
Desoto County																		
4725	City of Arcadia	1.093	0.843	Y	GW	0.481	0.000	0.028	1.296	12,040	108	0.000	0.000	0.000	108	0.000	0.000	108
10420	PRMRWSA ^{18, 19}	80.000	31.043	Y	SW/GW	0.000	32.428	2.234	0.118	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
20457	DeSoto County Utilities	Wholesale	0.000	Y	SW/GW	0.907	0.501	0.014	0.392	7,016	56	0.000	0.000	0.000	56	0.000	0.000	56
Desoto County Totals			31.886			1.388	32.929	2.276	1.806	19,056	95	0.000	0.000	0.000	95	0.000	0.000	95
Hardee County																		
30	City of Bowling Green	0.287	0.236	Y	GW	0.000	0.000	0.061	0.175	3,975	44	0.000	0.000	0.000	44	0.000	0.000	44
4461	City of Wauchula	0.782	0.729	Y	GW	0.000	0.000	0.013	0.716	6,562	109	0.000	0.000	0.000	109	0.000	0.000	109

2023 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2023 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2023 With-drawal	(3) PSA R Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treat-ment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Miti-gation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compl-iance Per Capita (gpcd)
7658	Town of Zolfo Springs	0.175	0.132	Y	GW	0.000	0.000	0.001	0.131	2,297	57	0.000	0.000	0.000	57	0.000	0.000	57
13026	Hardee County BOCC	0.439	0.249	Y	GW	0.000	0.000	0.001	0.248	3,023	82	0.000	0.000	0.000	82	0.000	0.000	82
Hardee County Totals			1.346			0.000	0.000	0.076	1.270	15,857	80	0.000	0.000	0.000	80	0.000	0.000	80
Hernando County																		
5789	Hernando Co Utilities	24.360	21.864	Y	GW	0.000	0.000	0.302	21.562	159,115	136	0.000	0.000	0.000	136	0.000	0.000	136
7627	City of Brooksville	2.448	1.500	Y	GW	0.000	0.000	0.000	1.500	15,769	95	0.000	0.000	0.000	95	0.000	0.000	95
Hernando County Totals			23.364			0.000	0.000	0.302	23.062	174,884	132	0.000	0.000	0.000	132	0.000	0.000	132
Highlands County																		
4167	HC Waterworks	0.155	0.108	Y	GW	0.000	0.000	0.001	0.107	1,893	56	0.000	0.000	0.000	56	0.000	0.000	56
4492	City of Sebring	5.811	3.965	Y	GW	0.000	0.000	0.058	3.907	37,181	105	0.000	0.000	0.000	105	0.000	0.000	105
4980	Lake Placid Holding	0.406	0.371	Y	GW	0.000	0.000	0.004	0.367	4,860	76	0.000	0.000	0.000	76	0.000	0.000	76
5270	Town of Lake Placid	0.807	0.570	Y	GW	0.000	0.000	0.005	0.565	6,906	82	0.000	0.000	0.000	82	0.000	0.000	82
6029	City of Avon Park	2.372	2.305	Y	GW	0.000	0.000	0.106	2.199	21,759	101	0.000	0.000	0.000	101	0.000	0.000	101
7139	Buttonwood Bay Util	0.208	0.178	Y	GW	0.000	0.000	0.012	0.166	1,631	102	0.000	0.000	0.000	102	0.000	0.000	102
13099	Sun N Lake of Sebring	1.104	0.862	Y	GW	0.000	0.000	0.049	0.813	8,296	98	0.000	0.000	0.000	98	0.000	0.000	98
Highlands County Totals			8.359			0.000	0.000	0.235	8.124	82,526	98	0.000	0.000	0.000	98	0.000	0.000	98
Hillsborough County																		
450	City of Temple Terrace	5.150	4.440	Y	GW	0.000	0.000	0.393	4.047	34,139	119	0.000	0.000	0.000	119	0.000	0.000	119
1776	City of Plant City ²¹	9.852	7.665	Y	GW	0.020	0.103	0.082	7.500	46,693	161	1.287	0.000	0.000	133	0.000	0.997	112
2062	City of Tampa Water Dept ²¹	82.000	81.703	Y	SW/GW	4.731	2.256	2.628	81.550	733,866	111	0.000	0.000	0.000	111	0.000	1.736	109
2285	Casa Verde Mobile Home	0.154	0.177	Y	GW	0.000	0.000	0.002	0.175	1,373	127	0.000	0.000	0.000	127	0.000	0.000	127
6879	MHC The Meadows at Countrywood	0.236	0.220	Y	GW	0.000	0.000	0.000	0.220	2,280	97	0.000	0.000	0.000	97	0.000	0.000	97
7637	Riverside Golf Course Comm LLC	0.222	0.449	Y	SW/GW	0.000	0.000	0.000	0.449	1,378	326	0.000	0.000	0.000	326	0.116	0.000	242
7790	Paradise Village MHC	0.128	0.167	Y	GW	0.000	0.000	0.002	0.165	2,447	68	0.000	0.000	0.000	68	0.000	0.000	68
10443	Windemere Utility Company	0.317	0.280	Y	GW	0.000	0.000	0.000	0.280	2,711	103	0.000	0.000	0.000	103	0.000	0.000	103
20141	Hillsborough County BOCC	Wholesale	0.000	Y	SW/GW	82.805	0.000	0.828	81.977	724,553	113	0.000	0.000	0.000	113	0.000	0.000	113
Hillsborough County Totals			95.101			87.556	2.359	3.935	176.363	1,549,440	114	1.287	0.000	0.000	113	0.116	2.733	111
Lake County																		

2023 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2023 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2023 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. 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)
There were no Public Supply Permittees in the SWFWMD Portion of Lake County																		
Levy County																		
5640	City of Williston	0.827	0.590	Y	GW	0.000	0.000	0.006	0.584	4,760	123	0.000	0.000	0.000	123	0.000	0.000	123
8953	Town of Inglis	0.151	0.185	Y	GW	0.000	0.001	0.055	0.129	1,484	87	0.000	0.000	0.000	87	0.000	0.000	87
Levy County Totals			0.775			0.000	0.001	0.061	0.713	6,244	114	0.000	0.000	0.000	114	0.000	0.000	114
Manatee County																		
6392	City of Bradenton	6.950	6.588	Y	SW	0.236	0.013	0.136	6.675	72,512	92	0.000	0.000	0.000	92	0.000	0.000	92
10963	Town of Longboat Key	Wholesale	0.000	Y	SW	2.064	0.000	0.009	2.055	18,291	112	0.000	0.000	0.000	112	0.000	0.000	112
12443	City of Palmetto	Wholesale	0.000	Y	SW/GW	1.479	0.009	0.015	1.455	18,129	80	0.000	0.000	0.000	80	0.000	0.000	80
13343, 7345	Manatee County BOCC ¹⁸	54.836, 1.96	49.631	Y	SW/GW	1.378	7.418	3.717	39.874	435,548	92	2.481	0.000	0.000	86	0.000	1.100	83
Manatee County Totals			56.219			5.157	7.440	3.877	50.059	544,480	92	2.481	0.000	0.000	87	0.000	1.100	85
Marion County																		
1156	Bay Laurel CDD	7.561	4.608	Y	GW	0.000	0.032	0.253	4.323	20,584	210	0.000	0.000	0.000	210	0.000	0.744	174
5643	Utilities Inc of Florida	0.188	0.133	Y	GW	0.000	0.000	0.001	0.132	1,005	131	0.000	0.000	0.000	131	0.000	0.000	131
6151	Marion Co Utilities Dept	9.366	8.758	Y	GW	0.000	0.000	0.088	8.670	59,592	145	0.000	0.000	0.000	145	0.000	0.323	140
8020	Marion Landing	0.152	0.130	Y	GW	0.000	0.000	0.000	0.130	1,143	114	0.000	0.000	0.000	114	0.000	0.000	114
8339	City of Dunnellon	1.117	1.298	Y	GW	0.000	0.000	0.013	1.285	5,944	216	0.000	0.000	0.000	216	0.000	0.000	216
Marion County Totals			14.927			0.000	0.032	0.355	14.540	88,268	165	0.000	0.000	0.000	165	0.000	1.067	153
Pasco County																		
279	Aqua Utilities Fl Inc	0.319	0.319	Y	GW	0.000	0.000	0.003	0.316	3,941	80	0.000	0.000	0.000	80	0.000	0.000	80
590	Mad Hatter Utility Inc	1.000	0.829	Y	GW	0.000	0.000	0.008	0.821	8,014	102	0.000	0.000	0.000	102	0.000	0.000	102
1631	City of Dade City	1.971	1.607	Y	GW	0.000	0.000	0.016	1.591	15,621	102	0.000	0.000	0.000	102	0.000	0.000	102
2978	Fl. Gov. Utility Authority	0.870	0.178	Y	GW	0.612	0.000	0.008	0.782	7,573	103	0.000	0.000	0.000	103	0.000	0.000	103
3182	FGUA Seven Springs	2.289	2.270	Y	GW	0.608	0.000	0.124	2.754	32,907	84	0.000	0.000	0.000	84	0.000	0.000	84
3590	Utilities Inc of FL	0.260	0.273	Y	GW	0.000	0.000	0.001	0.272	3,953	69	0.000	0.000	0.000	69	0.000	0.000	69
3692	City Of Port Richey	0.870	0.759	Y	GW	0.008	0.000	0.026	0.741	7,427	100	0.000	0.000	0.000	100	0.000	0.000	100
4550	City Of San Antonio	0.207	0.156	Y	GW	0.000	0.000	0.000	0.156	1,769	88	0.000	0.000	0.000	88	0.000	0.000	88
4669	Hudson Water Works Inc	0.691	0.781	Y	GW	0.000	0.000	0.015	0.766	7,248	106	0.000	0.000	0.000	106	0.000	0.000	106
4734	City of New Port Richey	0.490	0.468	Y	GW	5.185	2.008	0.044	3.601	35,360	102	0.000	0.000	0.000	102	0.000	0.000	102

2023 ESTIMATED WATER USE REPORT

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6040	City of Zephyrhills	3.308	2.860	Y	GW	0.000	0.022	0.005	2.833	31,689	89	0.000	0.000	0.000	89	0.000	0.000	89
7999	FGUA Angus Valley	0.145	0.137	Y	GW	0.000	0.000	0.001	0.136	2,000	68	0.000	0.000	0.000	68	0.000	0.000	68
8417	FGUA Aloha Gardens	0.123	0.133	Y	GW	0.250	0.000	0.003	0.380	7,672	50	0.000	0.000	0.000	50	0.000	0.000	50
11863	Pasco Co Utilities	6.265	2.937	Y	GW	36.425	1.635	0.399	37.328	360,211	104	0.000	0.000	0.000	104	0.000	0.000	104
Pasco County Totals			13.707			43.088	3.665	0.653	52.477	525,385	100	0.000	0.000	0.000	100	0.000	0.000	100
Pinellas County																		
742	City of Tarpon Springs ²²	4.200	4.387	Y	GW/RO	0.006	0.051	1.417	2.925	28,878	101	0.000	0.000	0.000	101	0.000	0.000	101
2980	City of Dunedin	5.243	4.687	Y	GW/RO	0.000	0.000	0.927	3.760	44,837	84	0.000	0.000	0.000	84	0.000	0.000	84
2981	City of Clearwater	14.300	6.881	Y	GW/RO	5.082	0.000	0.753	11.210	147,035	76	0.000	0.000	0.000	76	0.000	0.000	76
7692	Town of Belleair	0.886	0.823	Y	GW	0.054	0.000	0.049	0.828	5,389	154	0.000	0.000	0.000	154	0.000	0.206	115
10795	City of Gulfport	Wholesale	0.000	Y	GW	0.967	0.000	0.009	0.958	13,971	69	0.000	0.000	0.000	69	0.000	0.000	69
11218	City of Oldsmar	2.606	1.977	Y	GW/RO	0.001	0.000	0.535	1.443	17,475	83	0.000	0.000	0.000	83	0.000	0.000	83
11245	City of Safety Harbor	Wholesale	0.000	Y	GW	1.229	0.000	0.000	1.229	15,634	79	0.000	0.000	0.000	79	0.000	0.000	79
12351	City Of Pinellas Park	Wholesale	0.000	Y	GW	5.056	0.000	0.051	5.005	72,348	69	0.000	0.000	0.000	69	0.000	0.000	69
20142	Pinellas County	Wholesale	0.000	Y	GW	51.502	11.493	0.436	39.573	488,433	81	0.000	0.000	0.000	81	0.000	0.000	81
20143	City of St Petersburg	Wholesale	0.000	Y	GW	28.526	0.967	0.597	26.962	344,174	78	0.000	0.000	0.000	78	0.000	0.000	78
Pinellas County Totals			18.755			92.423	12.511	4.774	93.893	1,178,174	80	0.000	0.000	0.000	80	0.000	0.206	80
Polk County																		
341	City of Bartow	7.900	3.444	Y	GW	0.000	0.000	0.256	3.188	28,073	114	0.000	0.000	0.000	114	0.000	2.377	29
645	City of Fort Meade	0.760	0.604	Y	GW	0.000	0.000	0.000	0.604	5,777	104	0.000	0.000	0.000	104	0.000	0.475	22
1625	Four Lakes Golf Club	0.243	0.225	Y	GW	0.000	0.000	0.000	0.225	1,551	145	0.000	0.000	0.000	145	0.000	0.000	145
2332	Town of Lake Hamilton	0.613	0.284	Y	GW	0.000	0.000	0.004	0.280	2,560	110	0.000	0.000	0.000	110	0.000	0.000	110
4005	Crooked Lake Park	0.302	0.001	Y	GW	0.189	0.000	0.000	0.190	2,550	75	0.000	0.000	0.000	75	0.000	0.000	75
4607	City of Winter Haven	14.060	11.904	Y	GW	0.000	0.000	1.064	10.840	86,465	125	0.000	0.000	0.000	125	0.000	0.000	125
4658	City of Lake Wales	3.903	2.991	Y	GW	0.000	0.189	0.028	2.774	25,467	109	0.000	0.000	0.000	109	0.000	0.000	109
4912	City of Lakeland ²¹	35.030	24.221	Y	GW	0.055	0.369	0.061	23.846	197,051	121	0.000	0.000	0.000	121	0.000	5.021	96
5750	City of Davenport	3.000	2.026	Y	GW	0.000	0.000	0.000	2.026	16,090	126	0.000	0.000	0.000	126	0.000	0.000	126
5868	Rainbow Resort	0.137	0.117	Y	GW	0.000	0.000	0.001	0.116	852	137	0.000	0.000	0.000	137	0.000	0.000	137
5870	City of Frostproof	0.639	0.380	Y	GW	0.000	0.000	0.000	0.380	3,667	104	0.065	0.000	0.000	86	0.000	0.000	86

2023 ESTIMATED WATER USE REPORT

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5893	Town of Dundee	0.918	0.804	Y	GW	0.000	0.000	0.008	0.796	6,985	114	0.000	0.000	0.000	114	0.000	0.000	114
6124	City of Mulberry	0.807	0.474	Y	GW	0.000	0.000	0.005	0.469	4,986	94	0.000	0.000	0.000	94	0.000	0.000	94
6174	Saddlebag Lake	0.117	0.078	Y	GW	0.000	0.000	0.000	0.078	1,267	62	0.000	0.000	0.000	62	0.000	0.000	62
6505	Polk Co BOCC NWRUSA	5.700	3.018	Y	GW	0.162	0.000	0.010	3.170	35,798	89	0.000	0.000	0.000	89	0.000	0.000	89
6506	Polk Co BOCC SWRUSA	7.000	4.564	Y	GW	0.060	0.056	0.814	3.754	45,141	83	0.000	0.000	0.000	83	0.000	0.000	83
6507	Polk Co BOCC CRUSA	2.003	1.311	Y	GW	0.000	0.000	0.006	1.305	15,691	83	0.000	0.000	0.000	83	0.000	0.000	83
6508	Polk Co BOCC SERUSA	1.367	0.682	Y	GW	0.000	0.000	0.002	0.680	5,006	136	0.000	0.000	0.000	136	0.000	0.000	136
6509	Polk Co BOCC NERUSA	10.919	8.634	Y	GW	2.469	0.000	1.534	9.569	117,734	81	0.000	0.000	0.000	81	0.000	0.000	81
6624	City of Lake Alfred	1.303	1.328	Y	GW	0.000	0.000	0.000	1.328	9,389	141	0.000	0.000	0.000	141	0.000	0.000	141
6920	City of Eagle Lake	0.662	0.642	Y	GW	0.000	0.000	0.006	0.636	7,884	81	0.000	0.000	0.000	81	0.000	0.000	81
7119	City of Auburndale	7.036	6.675	Y	GW	0.016	0.000	0.002	6.689	36,662	182	0.991	0.000	0.000	155	0.000	0.810	133
7187	CHC VII Ltd Century Realty Fund	0.284	0.237	Y	GW	0.000	0.000	0.000	0.237	1,403	169	0.000	0.091	0.000	104	0.000	0.000	104
7328	Carefree Rv Cc of Winter Haven Inc	0.131	0.122	Y	GW	0.000	0.000	0.000	0.122	991	123	0.000	0.044	0.000	79	0.000	0.000	79
7878	Aqua Utilities Fl Inc	0.243	0.142	Y	GW	0.000	0.000	0.001	0.141	2,169	65	0.000	0.000	0.000	65	0.000	0.000	65
8054	Polk Co BOCC ERUSA	1.373	0.570	Y	GW	0.000	0.000	0.006	0.564	6,432	88	0.000	0.000	0.000	88	0.000	0.000	88
8344	S V Utilities Ltd	0.212	0.121	Y	GW	0.000	0.000	0.001	0.120	1,632	73	0.000	0.000	0.000	73	0.000	0.000	73
8468	City of Polk City	0.761	0.429	Y	GW	0.000	0.000	0.004	0.425	7,465	57	0.000	0.000	0.000	57	0.000	0.000	57
8522	City of Haines City	5.921	7.025	Y	GW	0.000	0.000	0.443	6.582	52,389	126	0.175	0.000	0.000	122	0.000	0.589	111
8967	Sweetwater Community Inc.	0.141	0.117	Y	GW	0.000	0.000	0.000	0.117	697	168	0.000	0.038	0.000	113	0.000	0.000	113
13043	Cypress Lakes Utilities Inc.	0.294	0.200	Y	GW	0.000	0.000	0.002	0.198	2,945	67	0.000	0.000	0.000	67	0.000	0.055	49
21107	Grenelefe Resort LLC	0.486	0.229	Y	GW	0.000	0.000	0.002	0.227	2,574	88	0.000	0.000	0.000	88	0.000	0.000	88
Polk County Totals			83.599			2.951	0.614	4.260	81.676	735,343	111	1.231	0.174	0.000	109	0.000	9.327	96
Sarasota County																		
2923	City of North Port	7.100	2.272	Y	SW/G W/RO	1.543	0.035	0.395	3.385	62,777	54	0.000	0.000	0.000	54	0.000	0.000	54
4318, 10224, 10225	City of Sarasota	6.000, 6.000, 0.043	9.138	Y	GW/RO	0.000	0.035	1.719	7.384	84,631	87	0.000	0.000	0.000	87	0.000	0.000	87
4866	Englewood Water District	5.360	4.105	Y	GW/RO	0.000	0.113	1.050	2.942	39,191	75	0.000	0.000	0.000	75	0.000	0.000	75
5393	City of Venice	6.864	4.412	Y	GW/RO	0.000	0.000	2.081	2.331	41,468	56	0.000	0.000	0.000	56	0.000	0.000	56
5807	Camelot Communities	0.362	0.352	Y	GW/RO	0.000	0.000	0.000	0.352	1,737	202	0.000	0.000	0.000	202	0.159	0.000	111

2023 ESTIMATED WATER USE REPORT

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7448	SNF Property (Sun-in-Fun)	0.186	0.156	Y	GW/RO	0.000	0.000	0.000	0.156	3,051	51	0.000	0.000	0.000	51	0.000	0.000	51
8836	Sarasota County BOCC	19.987	5.370	Y	GW/RO	19.982	0.963	0.948	23.441	272,267	86	0.000	0.000	0.000	86	0.000	0.000	86
Sarasota County Total			25.805			21.525	1.146	6.193	39.991	505,121	79	0.000	0.000	0.000	79	0.159	0.000	79
Sumter County																		
1368	Lake Panasoffkee Assoc	0.410	0.317	Y	GW	0.000	0.000	0.000	0.317	4,971	64	0.000	0.000	0.000	64	0.000	0.000	64
6519	City Of Bushnell	1.367	0.521	Y	GW	0.000	0.000	0.005	0.516	4,331	119	0.000	0.000	0.000	119	0.000	0.000	119
7185	City Of Webster	0.386	0.101	Y	GW	0.000	0.000	0.001	0.100	2,280	44	0.000	0.000	0.000	44	0.000	0.000	44
8135	City Of Wildwood	4.583	3.313	Y	GW	0.000	0.000	0.074	3.239	18,428	176	0.000	0.000	0.000	176	0.000	0.000	176
8193	City Of Center Hill	0.150	0.072	Y	GW	0.000	0.000	0.001	0.071	1,178	60	0.000	0.000	0.000	60	0.000	0.000	60
12584	Orange Blossom Utilities	0.136	0.137	N	GW	0.000	0.000	0.005	0.132	511	258	0.000	0.000	0.000	258	0.000	0.000	258
13005	The Villages CDD ²³	19.346	23.658	Y	GW/SW	0.000	0.000	0.221	23.437	87,750	267	0.250	1.347	0.000	249	6.696	2.580	143
13123	Florida Grande Motor Coach Resort	0.138	0.060	Y	GW	0.000	0.000	0.001	0.059	615	96	0.000	0.000	0.000	96	0.000	0.000	96
20721	South Sumter Utility Company	2.600	1.705	Y	GW	0.026	0.004	0.017	1.710	25,158	68	0.000	0.000	0.000	68	0.000	0.000	68
20901	Gibson Place Utility/Middleton Utility	3.543	0.558	Y	GW	0.004	0.123	0.004	0.435	472	921	0.000	0.000	0.000	921	0.000	0.000	921
Sumter County Total			30.442			0.030	0.127	0.329	30.016	145,694	206	0.250	1.347	0.000	195	6.696	2.580	131
Northern Planning Region			86.516			0.450	0.654	1.255	85.057	525,613	162	0.250	1.347	0.000	159	6.696	4.550	137
Tampa Bay Planning Region			127.563			223.067	18.535	9.362	322.733	3,252,999	99	1.287	0.000	0.000	99	0.116	2.939	98
Southern Planning Region			124.897			41.777	43.122	14.620	112.669	1,280,555	88	2.481	0.000	0.000	86	0.159	1.334	85
Heartland Planning Region			93.304			2.951	0.614	4.571	91.070	833,726	109	1.231	0.174	0.000	108	0.000	9.327	96
District Totals			432.280			268.245	62.925	29.808	611.529	5,892,893	104	5.249	1.521	0.000	103	6.971	18.150	98

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	125	Unadjusted Gross PC ≤ 150:	107	Adjusted Gross PC ≤ 150:	110	Compliance PC ≤ 150:	115
PSAR Not Received	1	Unadjusted Gross PC > 150:	18	Adjusted Gross PC > 150:	15	Compliance PC > 150:	10
Wholesale WUPs with PSAR	11	Unadjusted Gross PC = NA	1	Adjusted Gross PC = NA	1	Compliance Gross PC = NA	1

2023 ESTIMATED WATER USE REPORT

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, 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.
 - 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.
 - 17 COMPLIANCE PER CAPITA = [(gross use) - (significant use + golf course deduction + environmental mitigation + stormwater deduction + reclaimed water deduction)] / (Functional Population). This is a rate that is calculated for compliance with the 150 gpd per person limit.
- The following footnotes pertain to specified utilities and District total**
- 18 Regional Water Supply Exporter.
 - 19 PRMRWSA withdrawal shown (31.043 mgd) is the natural resource withdrawal from the Peace River. The raw water withdrawn from the facility's reservoir and treated was 34.780 mgd.

2023 ESTIMATED WATER USE REPORT

- ²⁰ 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.
- ²¹ The City of Lakeland (WUP 4912) and the City of Tampa (2062) provided "water year" (Oct-Sept) data on their PSAR. Table A-1 retains their reported data, but WMIS-based calendar year data was substituted for EWU Report tables 1 and 9. Their calendar year withdrawal was 24.535 mgd at Lakeland and 79.671 mgd at Tampa.
- ²² 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 0.702 mgd, or 16% of the City's withdrawal total. The EWU Report Table 1 county withdrawal totals include this adjustment.

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. The summation processes may include rounding and fractioning of withdrawals and other data.

2023 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, 2023

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Charlotte	10726	JDI Farms Inc	P100	G	0.000	0.402	0.001
Charlotte	10726	JDI Farms Inc	P100	S	0.000	0.402	0.001
Charlotte	12926	PRMRWSA Operational Flexibility	P105	G	0.000	7.251	7.251
Charlotte	12926	PRMRWSA Operational Flexibility	P105	S	0.000	7.251	7.251
Charlotte	13027	Faye and James Williams Property, Inc	P100	G	0.000	0.105	0.016
Charlotte	13027	Faye and James Williams Property, Inc	P100	S	0.000	0.105	0.016
Charlotte County Totals					0	Metered, Non-PSAR, mgd	
					0	Estimated, mgd, 2 WUPs	
					0	Total, mgd	
Citrus	729	Citrus County Water Resources	P130	G	0.068	0.088	0.088
Citrus	1345	Royal Oaks Of Citrus HOA Inc	P130	G	0.064	0.085	0.085
Citrus County Totals					0.132	Metered, Non-PSAR, mgd	
					0.213	Estimated, mgd, 10 WUPs	
					0.345	Total, mgd	
DeSoto	8935	VCH Holdings, LLC	P100	G	0.000	0.131	0.001
DeSoto County Totals					0	Metered, Non-PSAR, mgd	
					0.062	Estimated, mgd, 4 WUPs	
					0.062	Total, mgd	
Hardee	1912	V & W Farms Inc of Delray Beach	P135	G	0.000	1.298	0.002
Hardee County Totals					0	Metered, Non-PSAR, mgd	
					0.036	Estimated, mgd, 4 WUPs	
					0.036	Total, mgd	
Hernando County Totals					0	Metered, Non-PSAR, mgd	
There were no Non-PSAR Metered WUPS in Hernando County					0.094	Estimated, mgd, 5 WUPs	
					0.094	Total, mgd	
Highlands	9490	LP Waterworks, Inc	P130	G	0.030	0.096	0.096
Highlands	12896	Wayne Rickert	P131	G	0.140	0.119	0.119
Highlands	12896	Wayne Rickert	P131	S	0.000	0.119	0.119
Highlands County Totals					0.170	Metered, Non-PSAR, mgd	
					0.093	Estimated, mgd, 8 WUPs	
					0.263	Total, mgd	

2023 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, 2023

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Hillsborough	4352	Tampa Bay Water	P105	G	27.590	24.950	24.950
Hillsborough	4757	Wilder Mobile Homes, Inc	P131	G	0.051	0.065	0.065
Hillsborough	5886	Tampa Bay Water	P105	G	0.296	0.820	0.820
Hillsborough	6480	Betty Astin, Trustee	P135	G	0.005	0.164	0.008
Hillsborough	6480	Betty Astin, Trustee	P135	S	0.000	0.164	0.008
Hillsborough	6675	Tampa Bay Water	P105	S	8.155	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	0.003	0.081	0.025
Hillsborough	10066	Florida Acecapaders, Inc	P130	G	0.000	0.028	0.016
Hillsborough	11732	Tampa Bay Water	P112	G	5.664	6.000	6.000
Hillsborough	11771	Tampa Bay Water	P105	G	24.906	90.000	90.000
Hillsborough	11794	Tampa Bay Water	P105	S	16.408	18.700	18.700
Hillsborough	11796	Tampa Bay Water	P105	S	46.311	85.000	85.000
Hillsborough	12957	NHC-FL8 LP	P131	G	0.024	0.321	0.060
Hillsborough	21121	Tampa Bay Water	P105	G	0.000	2.300	2.300
Hillsborough County Totals					129.417	Metered, Non-PSAR, mgd	
					0.603	Estimated, mgd, 35 WUPs	
					130.020	Total, mgd	
Lake County Totals					0	Metered, Non-PSAR, mgd	
There were no Public Supply WUPS in Lake County					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
Levy	7755	Town of Yankeetown	P130	G	0.048	0.099	0.099
Levy County Totals					0.048	Metered, Non-PSAR, mgd	
					0	Estimated, mgd, 0 WUPs	
					0.048	Total, mgd	
Manatee	503	DFM Properties, LLC	P131	G	0.001	0.875	0.004
Manatee	4467	John Falkner, LLC	P131	G	0.002	9.778	0.006
Manatee	9089	FFD Land Co Inc	P135	G	0.005	2.791	0.012
Manatee	11105	WFA Land Company, Inc	P100	G	0.007	3.011	0.019
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2023 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, 2023

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Manatee County Totals					0.015	Metered, Non-PSAR, mgd	
					0.004	Estimated, mgd, 2 WUPs	
					0.019	Total, mgd	
Marion	5731	MHC Foxwood Farms, LLC	P131	G	0.072	0.085	0.085
Marion County Totals					0.072	Metered, Non-PSAR, mgd	
					0.354	Estimated, mgd, 11 WUPs	
					0.426	Total, mgd	
Pasco	540	Holiday Gardens Utilities, LLC	P130	G	0.054	0.080	0.080
Pasco	543	Crestridge Utilities, LLC	P130	G	0.072	0.070	0.070
Pasco	9666	Heiler Family Limited Partnership	P131	G	0.057	0.061	0.061
Pasco	11131	Tampa Bay Water	P020	G	0.030	0.084	0.084
Pasco	11132	Tampa Bay Water	P020	G	0.103	0.200	0.200
Pasco	11771	Tampa Bay Water, Consolidated Wellfield (County Portion)	P105	G	51.328	90.000	90.000
Pasco County Totals					51.644	Metered, Non-PSAR, mgd	
					1.130	Estimated, mgd, 29 WUPs	
					52.774	Total, mgd	
Pinellas	10350	Utilities Inc, Lake Tarpon	P130	G	0.040	0.084	0.084
Pinellas	11771	Tampa Bay Water, Consolidated Wellfield (County Portion)	P105	G	12.283	90.000	90.000
Pinellas	12905	City of St. Petersburg	P080	G	0.000	0.070	0.070
Pinellas County Totals					12.323	Metered, Non-PSAR, mgd	
					0.077	Estimated, mgd, 2 WUPs	
					12.400	Total, mgd	
Polk	143	Mountain Lake Corporation	P130	G	0.059	3.294	0.090
Polk	1616	Lake Region Mobile Home Owners	P131	G	0.084	0.108	0.108
Polk	1616	Lake Region Mobile Home Owners	P131	S	0.010	0.108	0.108
Polk	3415	Orchid Springs Development Corporation	P130	G	0.080	0.095	0.095
Polk	6314	Twin Fountains Club Inc	P130	G	0.038	0.063	0.063
Polk	8536	Woodland Lakes Mobile Home Community	P130	G	0.050	0.050	0.050
Polk	8753	GCP Plantation Landings, LLC	P130	G	0.056	0.070	0.057
Polk	10575	Surterra Lakeland, LLC	P050	G	0.005	0.070	0.013
Polk	12217	Winter Haven MHC, LLC	P131	G	0.041	0.050	0.050

2023 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, 2023

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Polk	12800	Polk County BOCC	P080	G	0.000	0.415	0.415
Polk	21048	Polk Regional Water Cooperative	P105	G	0.000	13.300	13.300
Polk County Totals					0.423	Metered, Non-PSAR, mgd	
					1.026	Estimated, mgd, 44 WUPs	
					1.449	Total, mgd	
Sarasota	12926	PRMRWSA Operational Flexibility	P105	G	0	7.251	7.251
Sarasota	12926	PRMRWSA Operational Flexibility	P105	S	0	7.251	7.251
Sarasota County Totals					0	Metered, Non-PSAR, mgd	
					0.086	Estimated, mgd, 2 WUPs	
					0.086	Total, mgd	
Sumter	6793	Rainforest RV, Inc	P130	G	0.004	0.224	0.032
Sumter County Totals					0.004	Metered, Non-PSAR, mgd	
					0.142	Estimated, mgd, 4 WUPs	
					0.146	Total, mgd	
District Totals					194.248	Metered, Non-PSAR, mgd	
					3.920	Estimated, mgd, 170 WUPs	
					198.168	Public Supply Total (mgd) for non-PSAR WUPs	

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

Notes:

- ¹ Use Code: Alpha-numeric code to identify largest specific use attributed to the permit. The first letter indicates the "predominant use" (P = Public Supply). Each WUP may have multiple use codes, but the largest specific use within the category is shown. Descriptions of the use codes are provided below.
- ² Source: G = Groundwater; S = Surface Water
- ³ The annual average withdrawals by each permittee under the public supply use category, in million gallons per day. The totals show the sum of metered withdrawals, an additional amount estimated for the non-metered permittees, and the combined total for the county and District.
- ⁴ The Public Supply portion of the total permitted quantity. If the number is less than the total permitted quantity, there are uses other than Public Supply on the WUP.

2023 ESTIMATED WATER USE REPORT

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

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

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

2023 ESTIMATED WATER USE REPORT

TABLE A-2. This table presents information provided by permittees on Part B of the PSAR form, which identifies specific customer use categories. The gross use is the same amount shown in Table A-1. The specific use categories provided are:

- RES: The residential use is the sum of water supplied to single family and multifamily dwellings, mobile homes, and RV parks.
- I/C: Industrial/commercial.
- AG: Agriculture.
- L/R: Landscape/recreation, use excluding golf courses.
- GC: Golf course irrigation.
- F&O: The portion used for fire systems and other quantified ancillary water needs.
- WL: Water Losses, calculated as any discrepancies between the amount of water leaving the treatment plant and the sum of amounts quantified at the customer meters. 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. 2023 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	1.255	72.9	16.3	0.0	0.0	0.0	3.3	7.5	0.915	6,605	139	0.205	0.000	0.000	0.000	0.041	0.094
Charlotte	871	City of Punta Gorda	Y	6.291	71.5	9.8	0.0	4.5	0.0	1.4	12.8	4.499	41,582	108	0.615	0.000	0.282	0.000	0.088	0.808
Charlotte	1512	Charlotte Harbor Water	Y	0.461	50.7	30.1	0.0	0.0	0.0	3.0	16.3	0.234	4,722	50	0.139	0.000	0.000	0.000	0.014	0.075
Charlotte	3522	Charlotte Co Utilities	Y	0.740	75.2	7.0	0.0	0.4	0.0	2.8	14.6	0.556	9,086	61	0.052	0.000	0.003	0.000	0.021	0.108
Charlotte	7104	Charlotte Co Utilities	Y	12.066	71.7	11.2	0.0	0.9	0.0	0.4	15.7	8.651	149,903	58	1.354	0.000	0.114	0.000	0.053	1.893
Charlotte County Totals				20.813	71.4	11.4	0.0	1.9	0.0	1.0	14.3	14.855	211,898	70	2.365	0.000	0.399	0.000	0.217	2.978
Citrus	207	City of Crystal River	Y	0.816	33.0	30.8	0.0	0.0	0.0	0.0	36.4	0.269	5,097	53	0.251	0.000	0.000	0.000	0.000	0.297
Citrus	419	City of Inverness	Y	1.202	51.7	39.2	0.0	0.0	0.0	1.2	7.8	0.622	9,321	67	0.471	0.000	0.000	0.000	0.015	0.094
Citrus	1118	Floral City Water	Y	0.368	73.9	20.1	0.0	0.3	0.0	3.3	2.4	0.272	5,242	52	0.074	0.000	0.001	0.000	0.012	0.009
Citrus	2842	Citrus County	Y	3.140	77.7	1.3	0.0	0.0	0.0	1.7	19.3	2.440	23,980	102	0.041	0.000	0.000	0.000	0.052	0.607
Citrus	4153	Rolling Oaks Utilities	Y	1.859	34.9	1.2	0.0	0.0	0.0	5.2	58.7	0.648	12,437	52	0.023	0.000	0.000	0.000	0.097	1.092
Citrus	4406	Homosassa Water Dist	Y	0.780	59.1	33.5	0.0	0.0	0.0	0.4	7.1	0.461	5,748	80	0.261	0.000	0.000	0.000	0.003	0.055
Citrus	6691	Cinnamon Ridge Utilities	Y	0.059	91.5	0.0	0.0	0.0	0.0	0.0	8.5	0.054	573	94	0.000	0.000	0.000	0.000	0.000	0.005

2023 ESTIMATED WATER USE REPORT

Table A-2. 2023 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	7121	Citrus Co & WRWSA	Y	5.177	59.0	19.7	0.0	0.0	0.1	6.2	14.9	3.057	29,284	104	1.019	0.000	0.000	0.006	0.323	0.772
Citrus	9097	Tarawood Utilities	Y	0.008	87.5	0.0	0.0	0.0	0.0	12.5	0.0	0.007	178	39	0.000	0.000	0.000	0.000	0.001	0.000
Citrus	9791	Citrus County	Y	2.745	45.8	4.3	0.0	0.0	0.0	6.9	43.0	1.257	13,428	94	0.117	0.000	0.000	0.000	0.190	1.181
Citrus	11839	GCP Walden Woods	Y	0.157	65.6	0.0	0.0	0.6	0.0	9.6	24.2	0.103	1,069	96	0.000	0.000	0.001	0.000	0.015	0.038
Citrus	20230	Ozello Water Assoc	Y	0.415	55.7	28.2	5.1	0.0	0.0	3.4	7.7	0.231	4,166	55	0.117	0.021	0.000	0.000	0.014	0.032
Citrus County Totals				16.726	56.3	14.2	0.1	0.0	0.0	4.3	25.0	9.421	110,523	85	2.374	0.021	0.002	0.006	0.722	4.182
Desoto	4725	City Of Arcadia	Y	1.296	52.4	9.4	0.0	0.0	0.0	21.8	16.3	0.679	12,040	56	0.122	0.000	0.000	0.000	0.282	0.211
Desoto	20457	DeSoto County Utilities	Y	0.392	69.1	22.2	0.0	0.0	0.0	1.5	7.1	0.271	7,016	38.63	0.087	0.000	0.000	0.000	0.006	0.028
Desoto County Totals				1.688	56.3	12.4	0.0	0.0	0.0	17.1	14.2	0.950	19,056	50	0.209	0.000	0.000	0.000	0.288	0.239
Hardee	30	City of Bowling Green	Y	0.175	87.4	9.7	0.0	1.7	0.0	1.7	0.0	0.153	3,975	38	0.017	0.000	0.003	0.000	0.003	0.000
Hardee	4461	City of Wauchula	Y	0.716	52.7	36.5	0.0	3.6	0.0	3.8	3.4	0.377	6,562	57	0.261	0.000	0.026	0.000	0.027	0.024
Hardee	7658	Town of Zolfo Springs	Y	0.131	70.2	18.3	0.0	0.0	0.0	5.3	5.3	0.092	2,297	40	0.024	0.000	0.000	0.000	0.007	0.007
Hardee	13026	Hardee County BOCC	Y	0.248	79.8	13.7	0.0	2.4	0.0	0.0	4.0	0.198	3,023	65	0.034	0.000	0.006	0.000	0.000	0.010
Hardee County Totals				1.270	64.6	26.5	0.0	2.8	0.0	2.9	3.2	0.820	15,857	52	0.336	0.000	0.035	0.000	0.037	0.041
Hernando	5789	Hernando Co Utilities Dept	Y	21.562	72.9	8.0	0.0	1.7	0.0	7.7	9.7	15.711	159,115	99	1.731	0.000	0.359	0.000	1.665	2.096
Hernando	7627	City Of Brooksville	Y	1.500	63.7	22.4	0.0	0.7	0.0	7.3	5.8	0.956	15,769	61	0.336	0.000	0.011	0.000	0.109	0.087
Hernando County Totals				23.062	72.3	9.0	0.0	1.6	0.0	7.7	9.5	16.667	174,884	95	2.067	0.000	0.370	0.000	1.774	2.183
Highlands	4167	HC Waterworks	Y	0.107	72.9	1.9	0.0	0.0	0.0	3.7	20.6	0.078	1,893	41	0.002	0.000	0.000	0.000	0.004	0.022
Highlands	4492	City of Sebring	Y	3.907	71.0	17.2	0.0	0.0	0.0	0.5	11.3	2.773	37,181	75	0.673	0.000	0.000	0.000	0.019	0.441
Highlands	4980	Lake Placid Hold Co	Y	0.367	69.2	2.5	0.0	0.0	0.0	20.7	7.9	0.254	4,860	52	0.009	0.000	0.000	0.000	0.076	0.029
Highlands	5270	Town of Lake Placid	Y	0.565	66.7	33.6	0.0	0.7	0.0	1.6	-2.7	0.377	6,906	55	0.190	0.000	0.004	0.000	0.009	-0.015
Highlands	6029	City of Avon Park	Y	2.199	59.6	21.4	0.0	0.0	0.0	12.3	6.7	1.311	21,759	60	0.470	0.000	0.000	0.000	0.271	0.148
Highlands	7139	Buttonwood Bay Utilities	Y	0.166	80.7	6.6	0.0	9.6	0.0	0.6	3.0	0.134	1,631	82	0.011	0.000	0.016	0.000	0.001	0.005
Highlands	13099	Sun N Lake Of Sebring	Y	0.813	86.0	6.6	0.0	3.0	0.0	2.0	2.5	0.699	8,296	84	0.054	0.000	0.024	0.000	0.016	0.020
Highlands County Totals				8.124	69.3	17.3	0.0	0.5	0.0	4.9	8.0	5.626	82,526	68	1.409	0.000	0.044	0.000	0.396	0.650

2023 ESTIMATED WATER USE REPORT

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County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Hillsborough	450	City of Temple Terrace	Y	4.047	63.6	19.4	0.0	0.0	0.0	0.0	17.1	2.572	34,139	75	0.784	0.000	0.000	0.000	0.000	0.691
Hillsborough	1776	City of Plant City	Y	7.500	43.2	36.5	0.0	0.8	0.0	8.3	11.2	3.243	46,693	69	2.737	0.000	0.059	0.000	0.622	0.841
Hillsborough	2062	City of Tampa	Y	81.550	57.1	28.9	0.0	1.3	0.0	0.8	11.8	46.566	733,866	63	23.602	0.000	1.073	0.000	0.668	9.642
Hillsborough	2285	Casa Verde MHP	Y	0.175	96.0	0.0	0.0	0.0	0.0	0.0	4.0	0.168	1,373	122	0.000	0.000	0.000	0.000	0.000	0.007
Hillsborough	6879	The Meadows MHC	Y	0.220	99.5	0.0	0.0	0.0	0.0	0.5	0.0	0.219	2,280	96	0.000	0.000	0.000	0.000	0.001	0.000
Hillsborough	7637	Riverside Golf Course	Y	0.449	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.449	1,378	326	0.000	0.000	0.000	0.000	0.000	0.000
Hillsborough	7790	Paradise Village MHC	Y	0.165	90.9	0.0	0.0	0.0	0.0	0.0	9.7	0.150	2,447	61	0.000	0.000	0.000	0.000	0.000	0.016
Hillsborough	10443	Windemere Utility Co	Y	0.280	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.280	2,711	103	0.000	0.000	0.000	0.000	0.000	0.000
Hillsborough	20141	Hillsborough County	Y	81.977	78.3	10.7	0.0	0.0	0.0	0.0	11.0	64.164	724,553	89	8.804	0.000	0.000	0.000	0.000	9.009
Hillsborough County Totals				176.363	66.8	20.4	0.0	0.6	0.0	0.7	11.5	117.811	1,549,440	76	35.927	0.000	1.132	0.000	1.291	20.206
There was no significant public supply use in the SWFWMD portion of Lake County																				
Levy	5640	City Of Williston	Y	0.584	37.0	27.7	0.0	0.0	0.0	0.7	34.6	0.216	4,760	45	0.162	0.000	0.000	0.000	0.004	0.202
Levy	8953	Town Of Inglis	Y	0.129	58.1	19.4	0.0	0.0	0.0	0.8	22.5	0.075	1,484	51	0.025	0.000	0.000	0.000	0.001	0.029
Levy County Totals				0.713	40.8	26.2	0.0	0.0	0.0	0.7	32.4	0.291	6,244	47	0.187	0.000	0.000	0.000	0.005	0.231
Manatee	6392	City of Bradenton	Y	6.675	61.9	19.4	0.0	0.0	0.0	0.6	18.0	4.135	72,512	57	1.297	0.000	0.000	0.000	0.041	1.202
Manatee	10963	Town of Longboat Key	Y	2.055	80.3	5.6	0.0	0.0	0.0	9.0	5.0	1.651	18,291	90	0.116	0.000	0.000	0.000	0.184	0.103
Manatee	12443	City of Palmetto	Y	1.455	59.0	17.9	0.0	1.9	0.0	0.3	21.0	0.858	18,129	47	0.261	0.000	0.027	0.000	0.004	0.305
Manatee	13343, 7345	Manatee County Utilities	Y	39.874	71.1	23.9	0.0	0.0	0.0	0.6	4.4	28.335	435,548	65	9.546	0.000	0.000	0.000	0.235	1.759
Manatee County Totals				50.059	69.9	22.4	0.0	0.1	0.0	0.9	6.7	34.979	544,480	64	11.220	0.000	0.027	0.000	0.464	3.369
Marion	1156	Bay Laurel Com Dev District	Y	4.323	84.5	5.3	0.0	4.9	0.0	1.9	3.5	3.652	20,584	177	0.227	0.000	0.212	0.000	0.080	0.152
Marion	5643	Utilities Inc of FL	Y	0.132	84.8	12.9	0.0	0.0	0.0	0.0	1.5	0.112	1,005	111	0.017	0.000	0.000	0.000	0.000	0.002
Marion	6151	Marion Co Utilities Dept	Y	8.670	76.6	8.2	0.0	0.0	0.0	0.3	14.8	6.643	59,592	111	0.713	0.000	0.000	0.000	0.030	1.285
Marion	8020	Marion Landing	Y	0.130	79.2	0.0	0.0	8.5	0.0	5.4	7.7	0.103	1,143	90	0.000	0.000	0.011	0.000	0.007	0.010
Marion	8339	City of Dunnellon	Y	1.285	33.8	7.2	0.0	0.0	0.0	2.3	56.8	0.434	5,944	73	0.092	0.000	0.000	0.000	0.030	0.730
Marion County Totals				14.540	75.3	7.2	0.0	1.5	0.0	1.0	15.0	10.944	88,268	124	1.049	0.000	0.223	0.000	0.147	2.179

2023 ESTIMATED WATER USE REPORT

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Pasco	279	Aqua Utilities FL Inc	Y	0.316	68.7	7.0	0.0	0.0	0.0	0.0	24.4	0.217	3,941	55	0.022	0.000	0.000	0.000	0.000	0.077
Pasco	590	Mad Hatter Utility	Y	0.821	73.8	18.9	0.0	0.0	0.0	0.1	7.2	0.606	8,014	76	0.155	0.000	0.000	0.000	0.001	0.059
Pasco	1631	City of Dade City	Y	1.591	69.5	17.0	0.0	0.0	0.0	0.0	13.5	1.106	15,621	71	0.270	0.000	0.000	0.000	0.000	0.215
Pasco	2978	FGUA Gulf Harbor	Y	0.782	86.4	0.9	0.0	1.0	0.0	0.0	11.8	0.676	7,573	89	0.007	0.000	0.008	0.000	0.000	0.092
Pasco	3182	FGUA Seven Springs	Y	2.754	79.3	10.9	0.0	0.0	0.0	0.1	9.7	2.184	32,907	66	0.299	0.000	0.000	0.000	0.003	0.267
Pasco	3590	Utilities Inc of FL	Y	0.272	74.6	7.4	0.0	0.0	0.0	0.0	18.0	0.203	3,953	51	0.020	0.000	0.000	0.000	0.000	0.049
Pasco	3692	City of Port Richey	Y	0.741	61.5	24.0	0.0	0.0	0.0	4.6	9.9	0.456	7,427	61	0.178	0.000	0.000	0.000	0.034	0.073
Pasco	4550	City of San Antonio	Y	0.156	92.3	9.0	0.0	0.6	0.0	0.0	-2.6	0.144	1,769	81	0.014	0.000	0.001	0.000	0.000	-0.004
Pasco	4669	Hudson Water Works	Y	0.766	63.2	11.5	0.0	0.0	0.0	15.5	9.8	0.484	7,248	67	0.088	0.000	0.000	0.000	0.119	0.075
Pasco	4734	City of New Port Richey	Y	3.601	58.8	11.3	0.0	0.0	0.0	0.1	29.8	2.116	35,360	60	0.407	0.000	0.000	0.000	0.005	1.072
Pasco	6040	City of Zephyrhills	Y	2.833	60.1	28.0	0.0	5.9	0.0	1.1	5.1	1.702	31,689	54	0.792	0.000	0.166	0.000	0.030	0.144
Pasco	7999	FGUA Angus Valley	Y	0.136	95.6	0.0	0.0	0.0	0.0	0.0	4.4	0.130	2,000	65	0.000	0.000	0.000	0.000	0.000	0.006
Pasco	8417	FGUA Aloha Gardens	Y	0.380	87.1	11.6	0.0	0.0	0.0	0.0	1.3	0.331	7,672	43	0.044	0.000	0.000	0.000	0.000	0.005
Pasco	11863	Pasco Co Utilities	Y	37.328	75.9	14.5	0.0	3.6	0.0	0.1	5.8	28.346	360,211	79	5.396	0.000	1.357	0.000	0.053	2.175
Pasco County Totals				52.477	73.7	14.7	0.0	2.9	0.0	0.5	8.2	38.701	525,385	74	7.692	0.000	1.532	0.000	0.245	4.305
Pinellas	742	City of Tarpon Springs	Y	2.925	65.3	21.0	0.0	3.5	0.0	3.5	6.7	1.909	28,878	66	0.615	0.000	0.102	0.000	0.102	0.197
Pinellas	2980	City of Dunedin	Y	3.760	66.4	15.6	0.0	2.1	0.0	6.3	9.7	2.498	44,837	56	0.586	0.000	0.078	0.000	0.235	0.363
Pinellas	2981	City of Clearwater	Y	11.210	62.8	28.8	0.0	0.0	0.0	4.7	3.6	7.042	147,035	48	3.231	0.000	0.000	0.000	0.531	0.405
Pinellas	7692	Town of Belleair	Y	0.828	82.1	10.6	0.0	0.0	0.0	0.0	7.4	0.680	5,389	126	0.088	0.000	0.000	0.000	0.000	0.061
Pinellas	10795	City of Gulfport	Y	0.958	80.8	11.0	0.0	0.0	0.0	0.9	7.3	0.774	13,971	55	0.105	0.000	0.000	0.000	0.009	0.070
Pinellas	11218	City of Oldsmar	Y	1.443	63.8	28.5	0.0	0.0	0.0	0.4	7.4	0.920	17,475	53	0.411	0.000	0.000	0.000	0.006	0.107
Pinellas	11245	City of Safety Harbor	Y	1.229	94	5.4	0.0	0.0	0.0	0.2	0.0	1.159	15,634	74	0.066	0.000	0.000	0.000	0.003	0.000
Pinellas	12351	City of Pinellas Park	Y	5.005	68.5	22.2	0.0	0.0	0.0	0.9	8.4	3.429	72,348	47	1.113	0.000	0.000	0.000	0.045	0.419
Pinellas	20142	Pinellas County	Y	39.573	75.4	15.1	0.0	0.0	0.0	0.4	9.1	29.840	488,433	61	5.978	0.000	0.000	0.000	0.149	3.606
Pinellas	20143	City of St Petersburg	Y	26.962	63.7	23.9	0.0	0.3	0.0	0.0	12.0	17.187	344,174	50	6.449	0.000	0.093	0.000	0.000	3.235
Pinellas County Totals				93.893	69.7	19.9	0.0	0.3	0.0	1.2	9.0	65.438	1,178,174	56	18.642	0.000	0.273	0.000	1.080	8.463

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Polk	341	City of Bartow	Y	3.188	61.5	25.6	0.0	2.9	0.0	0.3	9.8	1.960	28,073	70	0.815	0.000	0.091	0.000	0.009	0.312
Polk	645	City of Fort Meade	Y	0.604	67.9	21.5	0.0	0.0	0.0	3.8	6.8	0.410	5,777	71	0.130	0.000	0.000	0.000	0.023	0.041
Polk	1625	Four Lakes Golf Club	Y	0.225	87.1	0.0	0.0	3.6	0.0	0.0	9.3	0.196	1,551	126	0.000	0.000	0.008	0.000	0.000	0.021
Polk	2332	Town of Lake Hamilton	Y	0.280	59.3	12.5	0.0	0.0	0.0	7.1	21.1	0.166	2,560	65	0.035	0.000	0.000	0.000	0.020	0.059
Polk	4005	Crooked Lake Park Water Company	Y	0.190	79.5	20.0	0.0	0.0	0.0	0.0	0.0	0.151	2,550	59	0.038	0.000	0.000	0.000	0.000	0.000
Polk	4607	City of Winter Haven	Y	10.840	68.8	19.7	0.0	7.0	0.0	1.0	3.5	7.459	86,465	86	2.131	0.000	0.763	0.000	0.109	0.377
Polk	4658	City of Lake Wales	Y	2.774	63.6	17.4	0.0	4.1	0.0	1.5	13.4	1.765	25,467	69	0.483	0.000	0.113	0.000	0.042	0.371
Polk	4912	City of Lakeland	Y	23.846	64.2	25.3	0.0	1.7	0.0	0.5	8.3	15.304	197,051	78	6.023	0.000	0.414	0.000	0.128	1.978
Polk	5750	City of Davenport	Y	2.026	84.6	5.5	0.0	0.4	0.0	0.2	9.3	1.715	16,090	107	0.111	0.001	0.008	0.000	0.004	0.188
Polk	5868	Rainbow Resort	Y	0.116	94.0	0.0	0.0	6.9	0.0	0.0	0.0	0.109	852	128	0.000	0.000	0.008	0.000	0.000	0.000
Polk	5870	City of Frostproof	Y	0.380	59.2	28.9	0.0	4.2	0.0	0.3	7.6	0.225	3,667	61	0.110	0.000	0.016	0.000	0.001	0.029
Polk	5893	Town of Dundee	Y	0.796	79.3	8.5	0.0	0.0	0.0	3.4	8.8	0.631	6,985	90	0.068	0.000	0.000	0.000	0.027	0.070
Polk	6124	City of Mulberry	Y	0.469	61.0	30.3	0.0	0.0	0.0	2.1	6.8	0.286	4,986	57	0.142	0.000	0.000	0.000	0.010	0.032
Polk	6174	Saddlebag Lake Owners Assoc Inc.	Y	0.078	91.0	0.0	0.0	0.0	0.0	0.0	7.7	0.071	1,267	56	0.000	0.000	0.000	0.000	0.000	0.006
Polk	6505	Polk Co BOCC Util Div	Y	3.170	92.3	6.3	0.0	0.6	0.0	0.5	0.3	2.925	35,798	82	0.200	0.000	0.019	0.000	0.015	0.011
Polk	6506	Polk Co BOCC Util Div	Y	3.754	91.9	3.1	0.0	0.3	0.0	0.4	4.3	3.449	45,141	76	0.118	0.000	0.011	0.000	0.014	0.163
Polk	6507	Polk Co BOCC Util Div	Y	1.305	86.7	10.8	0.0	1.1	0.0	0.2	1.1	1.132	15,691	72	0.141	0.000	0.015	0.000	0.003	0.014
Polk	6508	Polk Co BOCC Util Div	Y	0.680	38.1	52.8	0.0	1.8	0.0	0.9	6.3	0.259	5,006	52	0.359	0.000	0.012	0.000	0.006	0.043
Polk	6509	Polk Co BOCC Util Div	Y	9.569	89.1	8.4	0.0	0.3	0.0	0.2	2.1	8.522	117,734	72	0.803	0.000	0.032	0.000	0.015	0.197
Polk	6624	City of Lake Alfred	Y	1.328	76.7	11.9	0.0	0.8	0.0	0.0	10.6	1.018	9,389	108	0.158	0.000	0.011	0.000	0.000	0.141
Polk	6920	City of Eagle Lake	Y	0.636	78.0	10.7	0.0	0.0	0.0	3.6	7.7	0.496	7,884	63	0.068	0.000	0.000	0.000	0.023	0.049
Polk	7119	City of Auburndale	Y	6.689	59.3	28.7	0.0	6.3	0.0	0.0	5.7	3.966	36,662	108	1.919	0.000	0.421	0.000	0.003	0.380
Polk	7187	Chc Vii Ltd Century Realty Fund	Y	0.237	56.5	0.0	0.0	0.0	41.8	0.8	0.8	0.134	1,403	96	0.000	0.000	0.000	0.099	0.002	0.002
Polk	7328	Carefree RV CC of Winter Haven Inc	Y	0.122	53.3	0.0	0.0	0.0	46.7	0.0	0.0	0.065	991	66	0.000	0.000	0.000	0.057	0.000	0.000
Polk	7878	Florida Gov Utility Authority	Y	0.141	87.9	5.7	0.0	0.0	0.0	2.1	5.0	0.124	2,169	57	0.008	0.000	0.000	0.000	0.003	0.007

2023 ESTIMATED WATER USE REPORT

Table A-2. 2023 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	8054	Polk Co BOCC Util Div	Y	0.564	66.0	6.9	0.0	0.0	0.0	4.8	22.3	0.372	6,432	58	0.039	0.000	0.000	0.000	0.027	0.126
Polk	8344	S V Utilities Ltd	Y	0.120	73.3	0.0	0.0	6.7	0.0	10.8	9.2	0.088	1,632	54	0.000	0.000	0.008	0.000	0.013	0.011
Polk	8468	City of Polk City	Y	0.425	86.1	8.9	0.0	0.0	0.0	0.2	4.7	0.366	7,465	49	0.038	0.000	0.000	0.000	0.001	0.020
Polk	8522	City of Haines City	Y	6.582	68.1	26.5	0.0	0.0	0.0	0.0	5.4	4.481	52,389	86	1.744	0.000	0.000	0.000	0.000	0.356
Polk	8967	Sweetwater Community Inc	Y	0.117	53.8	0.0	0.0	0.0	46.2	0.0	0.0	0.063	697	90	0.000	0.000	0.000	0.054	0.000	0.000
Polk	13043	Cypress Lakes Utilities Inc	Y	0.198	75.8	8.1	0.0	0.0	0.0	0.5	15.7	0.150	2,945	51	0.016	0.000	0.000	0.000	0.001	0.031
Polk	21107	Grenelefe Resort LLC	Y	0.227	87.7	8.4	0.0	0.0	0.0	0.4	3.1	0.199	2,574	77	0.019	0.000	0.000	0.000	0.001	0.007
Polk County Totals				81.676	71.3	19.2	0.0	2.4	0.3	0.6	6.2	58.257	735,343	79	15.716	0.001	1.950	0.210	0.500	5.042
Sarasota	2923	City of North Port	Y	3.385	74.4	14.4	0.0	0.0	0.0	1.9	9.3	2.520	62,777	40	0.486	0.000	0.000	0.000	0.065	0.315
Sarasota	4318	City of Sarasota Public Works	Y	7.384	57.6	27.8	0.0	0.1	0.0	5.0	9.5	4.255	84,631	50	2.054	0.000	0.007	0.000	0.369	0.699
Sarasota	4866	Englewood Water District	Y	2.942	74.1	11.6	0.0	0.7	0.0	0.7	13.0	2.180	39,191	56	0.340	0.000	0.020	0.000	0.020	0.381
Sarasota	5393	City of Venice	Y	2.331	75.1	26.6	0.0	2.9	0.0	0.0	-4.6	1.750	41,468	42	0.621	0.000	0.068	0.000	0.000	-0.108
Sarasota	5807	Camelot Communities	Y	0.352	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.352	1,829	192	0.000	0.000	0.000	0.000	0.000	0.000
Sarasota	7448	SNF Property LLC	Y	0.156	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.156	3,051	51	0.000	0.000	0.000	0.000	0.000	0.000
Sarasota	8836	Sarasota County	Y	23.441	73.1	17.1	0.0	0.0	0.0	0.0	9.8	17.139	272,267	63	4.001	0.000	0.000	0.000	0.000	2.302
Sarasota County Totals				39.991	70.9	18.8	0.0	0.2	0.0	1.1	9.0	28.352	505,213	56	7.502	0.000	0.095	0.000	0.454	3.589
Sumter	1368	Lake Panasoffkee Water Assoc Inc	Y	0.317	81.1	16.1	0.0	0.0	0.0	0.0	2.8	0.257	4,971	52	0.051	0.000	0.000	0.000	0.000	0.009
Sumter	6519	City of Bushnell	Y	0.516	48.6	47.3	0.0	0.0	0.0	0.4	3.7	0.251	4,331	58	0.244	0.000	0.000	0.000	0.002	0.019
Sumter	7185	City of Webster	Y	0.100	56.0	41.0	0.0	0.0	0.0	3.0	1.0	0.056	2,280	25	0.041	0.000	0.000	0.000	0.003	0.001
Sumter	8135	City of Wildwood	Y	3.239	38.5	48.7	0.0	0.0	0.0	4.9	7.9	1.246	18,428	68	1.578	0.000	0.000	0.000	0.159	0.256
Sumter	8193	City of Center Hill	Y	0.071	78.9	9.9	0.0	0.0	0.0	2.8	9.9	0.056	1,178	48	0.007	0.000	0.000	0.000	0.002	0.007
Sumter	12584	Orange Blossom Utilities	N	0.132	44.7	16.7	0.0	2.3	0.0	28.0	8.3	0.059	511	na	0.022	0.000	0.003	0.000	0.037	0.011
Sumter	13005	Village Center CDD	Y	23.437	78.1	3.5	0.0	11.7	0.0	1.0	5.7	18.296	87,750	209	0.822	0.000	2.737	0.000	0.242	1.339
Sumter	13123	Florida Grande Motor Coach Resort	Y	0.059	101.7	0.0	0.0	0.0	0.0	0.0	0.0	0.060	615	98	0.000	0.000	0.000	0.000	0.000	0.000

2023 ESTIMATED WATER USE REPORT

Table A-2. 2023 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)
Sumter	20721	South Sumter Utility	Y	1.710	66.3	5.3	0.0	0.0	0.0	4.4	23.9	1.134	25,158	45	0.090	0.000	0.000	0.000	0.076	0.409
Sumter	20901	Gibson Place Utility	Y	0.435	1.6	8.5	0.0	0.0	0.0	47.8	42.3	0.007	472	15	0.037	0.000	0.000	0.000	0.208	0.184
Sumter County totals				30.016	71.4	9.6	0.0	9.1	0.0	2.4	7.4	21.422	145,694	147	2.892	0.000	2.740	0.000	0.729	2.235
Northern Planning Region				85.057	69.1	10.1	0.0	3.9	0.0	4.0	12.9	58.745	525,613	112	8.569	0.021	3.335	0.006	3.377	11.010
Tampa Bay Planning Region				322.733	68.8	19.3	0.0	0.9	0.0	0.8	10.2	221.950	3,252,999	68	62.261	0.000	2.937	0.000	2.616	32.974
Southern Planning Region				112.551	70.3	18.9	0.0	0.5	0.0	1.3	9.0	79.136	1,280,647	62	21.296	0.000	0.521	0.000	1.423	10.175
Heartland Planning Region				91.070	71.0	19.2	0.0	2.2	0.2	1.0	6.3	64.703	833,726	78	17.461	0.001	2.029	0.210	0.933	5.733
District Totals & Averages				611.411	69.4	17.9	0.0	1.4	0.0	1.4	9.8	424.534	5,892,985	72	109.587	0.022	8.822	0.216	8.349	59.892

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.

2023 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). Some discrepancies occur, see note below table.

Table A-3. 2023 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	0.024	Charlotte	7104	Charlotte County Utilities	0.025
Charlotte	871	City of Punta Gorda	1.133	DeSoto	10420	PRMRWSA	1.130
Charlotte	7104	Charlotte County Utilities	0.013	Sarasota	2923	City of North Port	0.014
Charlotte	7104	Charlotte County Utilities	12.537	DeSoto	10420	PRMRWSA	12.537
Charlotte	99913	El Jobean Water Association	0.068	Charlotte	7104	Charlotte County Utilities	0.068
Charlotte	99916	Riverwood Development, Inc.	0.187	Charlotte	7104	Charlotte County Utilities	0.187
Charlotte	NA	Little Gasparilla Water Utilities Inc	0.035	Charlotte	7104	Charlotte County Utilities	0.035
Charlotte	NA	Encore Super Park	0.045	Charlotte	7104	Charlotte County Utilities	0.045
Lee	36-0046-W	City of Cape Coral	0.019	Charlotte	3522	Charlotte County Utilities	0.019
Total Charlotte County Imports:			14.061	Total Exports to/within Charlotte County			14.061
Citrus	NA	Citrus County - Spring Gardens	0.021	Citrus	4406	Homosassa Special Water District	0.021
Citrus	NA	Citrus County - Meadows	0.025	Citrus	4406	Homosassa Special Water District	0.025
Citrus	207	City of Crystal River	0.001	Citrus	7121	Citrus County & WRWSA	0.001
Citrus	NA	Forest Hills	0.020	Citrus	7121	Citrus County & WRWSA	0.020
Citrus	20230	Ozello Water Association, Inc.	0.419	Citrus	7121	Citrus County & WRWSA	0.427
Total Citrus County Imports:			0.486	Total Exports within Citrus County			0.494
DeSoto	10420	PRMRWSA	1.226	Charlotte	871	City of Punta Gorda	1.226
DeSoto	10420	PRMRWSA	0.000	Charlotte	7104	Charlotte County Utilities	0.002
DeSoto	20457	DeSoto County Utilities	0.907	DeSoto	10420	PRMRWSA	0.878
DeSoto	4725	City of Arcadia	0.481	DeSoto	20457	DeSoto County Utilities	0.501
Total Desoto County Imports:			2.613	Total Exports to/within Desoto County			2.607
Hillsborough	1776	City of Plant City	0.020	Polk	4912	City of Lakeland	0.021
Hillsborough	20141	Hillsborough County Wholesale	0.100	Hillsborough	1776	City of Plant City	0.103
Hillsborough	20141	Hillsborough County Wholesale	2.016	Hillsborough	2062	City of Tampa	2.256
Hillsborough	20141	Hillsborough County Wholesale	80.682	Hillsborough	Multiple	Tampa Bay Water	80.710
Hillsborough	20141	Hillsborough County Wholesale	0.006	Hillsborough	450	City of Temple Terrace	0.000
Hillsborough	2062	City of Tampa	4.731	Hillsborough	Multiple	Tampa Bay Water	6.371
Total Hillsborough County Imports:			87.556	Total Exports to/within Hillsborough County			89.461
Levy	7755	Town of Yankeetown	0.001	Levy	8953	Town of Inglis	0.001

2023 ESTIMATED WATER USE REPORT

Table A-3. 2023 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)
Total Levy County Imports:			0.001	Total Exports within Levy County			0.001
Manatee	6392	City of Bradenton	0.223	Manatee	13343	Manatee County Utilities	0.223
Manatee	10963	Town of Longboat Key	2.029	Manatee	13343	Manatee County Utilities	2.074
Manatee	10963	Town of Longboat Key	0.035	Sarasota	4318	City of Sarasota	0.035
Manatee	12443	City of Palmetto	1.479	Manatee	13343	Manatee County Utilities	1.470
Manatee	13343	Manatee County Utilities	0.000	Manatee	12443	City of Palmetto	0.009
Manatee	13343	Manatee County Utilities	1.378	Manatee	7345	Mosaic LLC & Manatee County Utilities	1.378
Total Manatee County Imports:			5.144	Total Exports within Manatee County			5.189
Marion	12966	Stone Creek Community Association	0.032	Marion	1156	Bay Laurel Center CDD	0.032
Marion County Imports:			0.032	Marion County Exports			0.032
Pasco	2978	FGUA Gulf Harbor (Lindrick)	0.003	Pasco	4734	City of New Port Richey	0.003
Pasco	2978	FGUA Gulf Harbor (Lindrick)	0.609	Pasco	11863	Pasco County Utilities	0.609
Pasco	3182	FGUA Seven Springs	0.608	Pasco	11863	Pasco County Utilities	0.610
Pasco	NA	FGUA Colonial Manor	0.085	Pasco	11863	Pasco County Utilities	0.085
Pasco	3692	City of Port Richey	0.008	Pasco	4734	City of New Port Richey	0.008
Pasco	4734	City of New Port Richey	5.185	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	5.178
Pasco	6223	Paradise Lakes Utilities	0.006	Pasco	11863	Pasco County Utilities	0.006
Pasco	7745	FGUA-Virginia City	0.033	Pasco	11863	Pasco County Utilities	0.033
Pasco	8417	FGUA Aloha Gardens	0.250	Pasco	11863	Pasco County Utilities	0.250
Pasco	11473	Aripeka West Utility	0.008	Pasco	11863	Pasco County Utilities	0.008
Pasco	11863	Pasco County Utilities	36.402	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	36.320
Pasco	11863	Pasco County Utilities	0.022	Pasco	6040	City of Zephyrhills	0.022
Pasco	99906	Arbor Oaks	0.012	Pasco	11863	Pasco County Utilities	0.012
Pasco	999915	Orchid Lake Utility	0.022	Pasco	11863	Pasco County Utilities	0.022
Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	1.998	Pasco	4734	City of New Port Richey	1.998
Pasco	N/A	FGUA Holiday Anclote	0.051	Pinellas	742	City of Tarpon Springs	0.051
Total Pasco County Imports:			45.301	Total Exports to/within Pasco County			45.214
Pinellas	742	City of Tarpon Springs	0.006	Pinellas	20142	Pinellas County Utilities	0.006
Pinellas	2981	City of Clearwater	5.082	Pinellas	20142	Pinellas County Utilities	5.147

2023 ESTIMATED WATER USE REPORT

Table A-3. 2023 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Pinellas	7692	Town of Belleair	0.054	Pinellas	20142	Pinellas County Utilities	0.054
Pinellas	10795	City of Gulfport	0.967	Pinellas	20143	City of St. Petersburg	0.967
Pinellas	11218	City of Oldsmar	0.001	Pinellas	20142	Pinellas County Utilities	0.001
Pinellas	11245	City of Safety Harbor	1.229	Pinellas	20142	Pinellas County Utilities	1.229
Pinellas	12351	City of Pinellas Park	5.056	Pinellas	20142	Pinellas County Utilities	5.056
Pinellas	20142	Pinellas County Utilities	51.502	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	51.510
Pinellas	20143	City of St. Petersburg	28.526	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	28.520
Pinellas	742	City of Tarpon Springs	0.006	Pinellas	20142	Pinellas County Utilities	0.006
Total Pinellas County Imports:			92.423	Total Exports to/within Pinellas County			92.490
Polk	6124	City of Mulberry	0.000	Polk	6506	Polk County Utilities	0.000
Polk	4912	City of Lakeland	0.055	Polk	6506	Polk County Utilities	0.056
Polk	6505	Polk County Utilities	0.162	Polk	4912	City of Lakeland	0.161
Polk	6506	Polk County Utilities	0.060	Polk	4912	City of Lakeland	0.056
Polk	6509	Polk County Utilities-NERUSA	0.010	Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.010
Polk	6509	Polk County Utilities-NERUSA	2.460	Polk	53-00126-W	Polk County Utilities (SFWMD)	2.460
Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.000	Polk	6509	Polk County Utilities-NERUSA	0.000
Polk	N/A	FGUA - Village Water Industrial Park	0.114	Polk	4912	City of Lakeland	0.114
Polk	7119	City of Auburndale	0.016	Polk	4912	City of Lakeland	0.016
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	0.189	Polk	4658	City of Lake Wales	0.189
Polk	8468	City of Polk City	0.000	Polk	4912	City of Lakeland	0.000
Total Polk County Imports:			3.065	Total Exports to/within Polk County			3.062
Sarasota	2923	City of North Port	1.506	DeSoto	10420	PRMRWSA	1.506
Sarasota	2923	City of North Port	0.037	Sarasota	8836/12926	Sarasota County Utilities	0.037
Sarasota	99914	Pluris/Southgate Utilities	0.925	Sarasota	8836/12926	Sarasota County Utilities	0.925
Sarasota	8836/12926	Sarasota County Utilities	3.654	Manatee	13343/7345	Manatee County Utilities	3.654
Sarasota	8836/12927	Sarasota County Utilities	0.020	Sarasota	2923	City of North Port	0.020
Sarasota	8836/12926	Sarasota County Utilities	16.309	DeSoto	10420	PRMRWSA	16.309
Sarasota	PWS-6084079	Bocilla Utilities	0.113	Sarasota	4866	Englewood Water District	0.113

2023 ESTIMATED WATER USE REPORT

Table A-3. 2023 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)
Total Sarasota County Imports:			22.563	Total Exports to/within Sarasota County			22.564
Sumter	20721	South Sumter Utility Company	0.026	Sumter	20901	Gibson Utility Company, LLC	0.026
Sumter	20901	Gibson Utility Company, LLC	0.004	Sumter	20721	South Sumter Utility Company	0.004
Sumter	20949	Gibson Place Water Conservation Authority	0.097	Sumter	20901	Gibson Utility Company, LLC	0.097
Total Sumter County Imports:			0.126	Total Sumter Exports			0.126
Total District Imports:			273.372	Total District Exports:			275.301

Data Source: Public Supply Annual Reports and Tampa Bay Water's daily operation reports.

Notes: Some reporting discrepancies occur between imports and exports of corresponding utilities. Discrepancies can be caused by transfer water losses, meter accuracy, a small quantity reported by only one entity, unresolved reporting errors, or other reasons. This table includes conflicting available data if differences weren't reconcilable. Quantities exported by regional water supply authorities may be stored and blended from multiple sources, so they were considered transfers to/from a regional system.

2023 ESTIMATED WATER USE REPORT

Table A-4. 2023 Metered + Estimated Public Supply Monthly Average Withdrawals (mgd/month) by County

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	9.970	11.793	11.984	10.223	11.782	10.963	11.130	10.309	9.696	10.435	12.751	10.104
Citrus	14.977	16.142	18.440	20.182	18.678	17.392	17.028	17.275	16.934	17.461	17.114	15.839
Desoto	26.672	30.742	5.957	0.921	0.899	60.831	52.546	63.235	36.369	38.514	34.828	31.918
Hardee	1.425	1.460	1.494	1.496	1.538	1.369	1.289	1.307	1.257	1.306	1.379	1.271
Hernando	20.787	22.462	25.319	26.287	25.384	22.746	22.992	23.072	23.541	23.930	23.218	21.686
*Highlands	8.503	8.926	9.396	8.941	8.763	7.997	8.330	8.551	8.095	8.346	8.605	8.499
Hillsborough	225.553	212.881	200.824	191.627	165.315	257.751	300.366	281.768	296.916	194.520	180.279	168.752
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.720	0.783	0.813	0.702	0.686	0.742	0.734	1.406	0.832	0.889	0.775	0.782
Manatee	51.987	56.798	59.672	59.641	59.314	57.031	81.424	57.151	54.766	59.284	59.024	55.708
*Marion	11.878	13.275	15.737	17.888	15.656	16.194	15.116	17.111	16.078	16.725	15.666	13.123
Pasco	46.744	52.887	73.567	77.125	84.618	71.535	75.654	63.880	67.612	72.567	58.191	52.019
Pinellas	29.994	26.562	29.976	36.169	36.226	32.434	31.418	31.565	31.963	28.195	32.052	29.822
*Polk	76.336	82.679	92.207	92.966	92.872	81.884	83.481	89.688	82.577	84.858	84.596	78.108
Sarasota	23.918	29.432	27.403	25.513	25.903	16.912	20.367	30.562	23.809	28.116	31.000	25.155
Sumter	15.429	19.026	31.459	29.118	29.298	22.269	16.978	22.270	21.075	23.131	22.191	16.892
District Total	564.892	585.849	604.248	598.799	576.931	678.050	738.852	719.150	691.520	608.276	581.669	529.678
Groundwater	329.075	364.067	433.746	458.570	463.495	391.121	418.265	389.281	384.733	390.964	372.253	334.604
Surface Water	235.817	221.782	170.502	140.229	113.436	286.929	320.587	329.869	306.787	217.312	209.416	195.074

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

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Charlotte	2588	Kelly Family Holdings LLC	R320	G	0.091	1.201	0.178
Charlotte	3523	Twin Isles Country Club	R250	G	0.000	0.256	0.256
Charlotte	6709	Port Charlotte Golf Course, LLC	R250	S	0.000	0.060	0.060
Charlotte	7602	St. Andrews South Golf Club, Inc	R250	G	0.126	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	0.048	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	0.074	0.142	0.142
Charlotte	10169	CH3-Riverwood Golf Club LLC	R250	S	0.278	0.247	0.247
Charlotte	10932	Rotonda Golf Partners II LLC	R250	S	0.017	0.237	0.237
Charlotte	11687	Rotonda Golf Partners II LLC	R250	S	0.000	0.078	0.078
Charlotte	11688	Rotonda Golf Partners II LLC	R250	S	0.000	0.210	0.210
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	G	0.026	0.080	0.080
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	S	0.003	0.080	0.080
Charlotte	11997	Ccc Dr LLC	R250	S	0.000	0.184	0.184
Charlotte	12335	Rotonda Golf Partners II LLC	R250	S	0.012	0.229	0.229
Charlotte	12543	Charlotte Co BOCC	R245	G	0.000	0.048	0.025
Charlotte	12586	Lennar Homes, LLC	R250	G	0.052	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	0.173	0.114	0.114
Charlotte	13027	Faye and James Williams Property, Inc	R245	G	0.000	0.105	0.087
Charlotte	13027	Faye and James Williams Property, Inc	R245	S	0.000	0.105	0.087
Charlotte	20378	Waterford Est. Community Association, Inc	R240	G	0.159	0.127	0.127
Charlotte	20694	Harbor West Community Association Inc	R240	G	0.000	0.057	0.057
Charlotte	20950	Lennar Homes, LLC	R240	G	0.042	0.106	0.106
Charlotte County Totals					1.101	Metered, mgd	
					0.568	Estimated, mgd, 32 WUPs	
					1.669	Total, mgd	
Citrus	419	City of Inverness	R245	G	0.017	1.535	0.021
Citrus	3228	Hampton Hills, LLC	R250	G	0.515	0.610	0.610
Citrus	3673	Cabot SMW OpCo LLC	R250	G	0.000	0.065	0.065
Citrus	7805	Hampton Hills, LLC	R250	G	0.751	1.148	1.148
Citrus	8785	Escalante-Black Diamond Golf Club LLC	R240	G	0.487	0.331	0.331

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	G	0.000	0.273	0.273
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	S	0.152	0.273	0.273
Citrus	8997	Inverness Golf & Country Club	R250	G	0.016	0.066	0.066
Citrus	9964	Southern Oaks Property Group, LLC	R250	G	0.009	0.224	0.224
Citrus	10260	Brassboys Enterprises Inc	R250	G	0.109	0.207	0.207
Citrus	10404	Cabot SW OpCo, LLC	R250	G	0.068	0.262	0.262
Citrus	13103	Deltona Corporation	R250	G	0.000	0.218	0.218
Citrus County Totals					2.124	Metered, mgd	
					0.679	Estimated, mgd, 18 WUPs	
					2.803	Total, mgd	
DeSoto	6697	Point Charlotte, LLC	R250	G	0.000	0.046	0.046
DeSoto	8224	Spanish Trails Farming and Land Company, LLC	R406	G	0.000	2.534	0.001
DeSoto	8224	Spanish Trails Farming and Land Company, LLC	R406	S	0.000	2.534	0.001
DeSoto	20747	City of Arcadia	R250	G	0.031	0.065	0.065
DeSoto County Totals					0.031	Metered, mgd	
					0.138	Estimated, mgd, 4 WUPs	
					0.169	Total, mgd	
Hardee	12048	Vandolah Power Company, LLC	R240	G	0.000	0.212	0.000
Hardee County Totals					0.000	Metered, mgd	
					0.156	Estimated, mgd, 13 WUPs	
					0.156	Total, mgd	
Hernando	368	Golf & Country Club at the Heather, LLC	R250	G	0.065	0.060	0.060
Hernando	2982	Brookridge Country Club Assoc, Inc	R250	G	0.234	0.273	0.273
Hernando	3726	High Point Golf Club, Inc	R250	G	0.146	0.149	0.149
Hernando	4893	FDEP	R240	G	0.041	0.045	0.045
Hernando	6873	BCC, LLC	R250	G	0.116	0.207	0.207
Hernando	8124	Oak Hills Golf Club, LLC	R250	G	0.031	0.201	0.201
Hernando	8639	Timber Pines Community Assoc, Inc	R250	G	0.065	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	0.244	0.260	0.260
Hernando	10199	Triple Eagle Group Inc	R250	G	0.234	0.305	0.305
Hernando	10760	Rivard Golf Club, LLC	R250	G	0.023	0.194	0.194

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Hernando	11059	ARC Glenlakes LLC	R240	G	0.296	0.401	0.401
Hernando	12517	Silverthorn Associates, LLC	R250	G	0.305	0.422	0.422
Hernando	12545	Southern Hills Irrigation Services LLC	R250	G	0.000	0.098	0.098
Hernando	13279	Cabot Citrus Op Co LLC	R250	G	0.256	0.735	0.735
Hernando County Totals					2.055	Metered, mgd	
					0.759	Estimated, mgd, 25 WUPs	
					2.814	Total, mgd	
Highlands	4708	Sun'N Lake of Sebring Improvement District	R250	G	0.570	0.584	0.584
Highlands	5107	City of Sebring	R250	G	0.109	0.130	0.130
Highlands	5646	Pinecrest Golf Club, LLC	R250	G	0.182	0.200	0.200
Highlands	5907	Village on Lake Rachard, LLC	R240	G	0.000	0.054	0.054
Highlands	6498	River Greens South Golf Course, Inc	R250	G	0.167	0.196	0.196
Highlands	7811	Mink Associates I, LLC	R250	G	0.112	0.142	0.142
Highlands	8327	Laman Land Development LLC	R250	G	0.202	0.244	0.244
Highlands	9626	J & P Golf Properties LLC	R250	G	0.009	0.329	0.329
Highlands	12265	CC of Sebring, LLC	R250	G	0.045	0.224	0.224
Highlands	12265	CC of Sebring, LLC	R250	S	0.171	0.224	0.224
Highlands County Totals					1.567	Metered, mgd	
					0.518	Estimated, mgd, 30 WUPs	
					2.085	Total, mgd	
Hillsborough	192	Gracepoint Plant City	R240	G	0.002	0.018	0.003
Hillsborough	254	Cypress Creek of Hillsborough	R240	G	0.017	0.044	0.044
Hillsborough	620	XUDE Eagles	R250	G	0.165	0.287	0.287
Hillsborough	707	ClubLink US Corporation	R250	G	0.000	0.119	0.119
Hillsborough	1098	Garden of Memories, Inc	R230	G	0.373	0.506	0.506
Hillsborough	1640	Bahia Lakes, CDD	R240	G	0.012	0.025	0.025
Hillsborough	1840	Berry Bay Community Development District	R240	G	0.054	0.132	0.059
Hillsborough	1854	Panther Trails CDD	R240	G	0.003	0.005	0.005
Hillsborough	1946	Valencia Lakes Property Owner's Association, Inc	R240	G	0.292	0.472	0.472
Hillsborough	1946	Valencia Lakes Property Owner's Association, Inc	R240	S	0.000	0.472	0.472
Hillsborough	2320	SeaWorld Parks & Entertainment, LLC	R240	G	1.537	1.810	1.810
Hillsborough	2639	Concert Carrollwood OPCO, LLC	R250	G	0.000	0.089	0.089
Hillsborough	3132	Ace Golf Inc	R250	G	0.000	0.215	0.215

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Hillsborough	3582	City of Temple Terrace	R250	G	0.158	0.256	0.256
Hillsborough	3745	NNP IV-Lake Hutto, LLC	R240	G	0.129	0.120	0.120
Hillsborough	4526	Hillsborough County Aviation Authority	R240	G	0.001	0.051	0.051
Hillsborough	4549	Lake Charles Improvement Assoc	R220	G	0.033	0.050	0.050
Hillsborough	4874	SICO, Inc	R250	G	0.071	0.080	0.080
Hillsborough	6091	Caloosa Golf and Country Club, Inc	R250	G	0.278	0.332	0.332
Hillsborough	6092	Clublink US Corporation	R250	G	0.663	1.240	1.240
Hillsborough	6092	Clublink US Corporation	R250	S	0.000	1.240	1.240
Hillsborough	6100	City of Tampa	R250	G	0.106	0.181	0.179
Hillsborough	6101	Tampa Sports Authority & City of Tampa	R250	G	0.120	0.152	0.152
Hillsborough	6217	Palma Ceia Golf and Country Club, Inc	R250	G	0.303	0.231	0.223
Hillsborough	7002	MHC Featherock, LLC	R240	G	0.000	0.008	0.008
Hillsborough	7586	Dover RE Holdings, LLC	R415	G	0.000	0.106	0.035
Hillsborough	7697	Dune FL Land I Sub, LLC	R240	G	0.028	0.117	0.117
Hillsborough	7774	Lake Carlton Arms, LLLP	R244	G	0.175	0.203	0.203
Hillsborough	7883	Tampa Palms Community Dev Dist	R244	G	0.331	0.313	0.313
Hillsborough	8126	Summerfield Golf, LLC	R250	G	0.105	0.211	0.211
Hillsborough	8137	Florida College, Inc	R245	G	0.115	0.067	0.067
Hillsborough	8641	Old Memorial Club, Inc	R250	G	0.098	0.083	0.083
Hillsborough	8673	Belmont Real Estate, LLC	R240	G	0.139	0.133	0.133
Hillsborough	8710	Hillsborough County School Board	R245	G	0.000	0.039	0.032
Hillsborough	8931	TC Venture 1, LLC c/o GreenPointe Holdings, LLC	R240	G	0.134	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	0.014	0.066	0.066
Hillsborough	9137	RHC Master Association, Inc	R250	G	0.000	0.200	0.200
Hillsborough	9260	Horus International Corporation LLC	R250	G	0.001	0.064	0.064
Hillsborough	9487	Tampa Palms Club, Inc	R250	G	0.114	0.151	0.151
Hillsborough	9527	LKJ Management Services, LLC	R250	G	0.000	0.053	0.053
Hillsborough	10161	Lowry Park Zoological Society of Tampa, Inc	R407	G	0.234	0.301	0.301
Hillsborough	10398	Rivercrest Community Development District	R240	G	0.107	0.115	0.115
Hillsborough	10516	Hillsborough County BOCC	R290	G	0.012	0.103	0.103
Hillsborough	10724	Cypress Creek Golf, 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

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Hillsborough	10819	Arc Sun City Golf Course, Inc	R250	S	0.000	0.079	0.079
Hillsborough	11157	Harbor Bay Community Developemt District	R240	G	0.110	0.090	0.090
Hillsborough	11194	HGC TPC Tampa Bay, LLC	R250	G	0.220	0.323	0.323
Hillsborough	11428	Hunter's Green Acquisition Corp	R250	G	0.043	0.324	0.324
Hillsborough	11429	Hunter's Green Community Association Inc	R240	G	0.042	0.274	0.274
Hillsborough	11540	Heritage Isles CDD c/o Inframark	R250	G	0.281	0.253	0.253
Hillsborough	11830	Tampa Bay Downs, Inc	R300	G	0.035	0.156	0.156
Hillsborough	12024	City Of Tampa	R250	G	0.117	0.323	0.323
Hillsborough	12957	NHC-FL8 LP	R250	G	0.103	0.321	0.261
Hillsborough	12967	Southshore Falls HOA, Inc	R240	G	0.206	0.172	0.172
Hillsborough	13356	South Shore Corporate Park Industrial CDD	R240	G	0.002	0.110	0.110
Hillsborough	13356	South Shore Corporate Park Industrial CDD	R240	S	0.078	0.110	0.110
Hillsborough	20382	City of Tampa	R220	S	0.826	1.743	1.743
Hillsborough	20660	Sun City Center Community Association, Inc	R244	G	0.000	0.022	0.022
Hillsborough	20662	Forest Brooke CDD	R240	G	0.042	0.108	0.108
Hillsborough	20663	Sun City Center West Master Assoc., Inc	R240	G	0.562	0.573	0.573
Hillsborough	20701	Hillsborough County Associates IV, LLLP	R240	G	0.280	0.183	0.183
Hillsborough	20705	Panther Trace I CDD	R240	G	0.062	0.056	0.056
Hillsborough	20706	Panther Trace II CDD	R240	G	0.056	0.056	0.056
Hillsborough	20823	Merced and Dee Chavez	R240	G	0.000	0.026	0.001
Hillsborough	20911	Riverside Golf Course Comm LLC	R250	G	0.208	0.288	0.288
Hillsborough County Totals					9.194	Metered, mgd	
					1.935	Estimated, mgd, 126 WUPs	
					11.129	Total, mgd	
Lake County Totals		There were no landscape/recreation WUPs in Lake County					
Levy County Totals					0.000	Metered, mgd	
					0.225	Estimated, mgd, 4 WUPs	
					0.225	Total, mgd	
Manatee	503	DFM Properties, LLC	R240	G	0.001	0.875	0.004
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	R240	G	1.028	0.452	0.452
Manatee	4443	Aquaterra Utilities, Inc	R250	G	0.308	0.600	0.600
Manatee	4507	Greenfield Golf LLC	R250	G	0.325	0.311	0.311
Manatee	4645	Harrison Ranch CDD	R240	G	0.000	0.014	0.014

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Manatee	4729	School Board of Manatee County	R240	G	0.000	0.092	0.089
Manatee	5042	7978 Associates III, LLC	R240	G	0.002	0.094	0.010
Manatee	5444	Manatee County School District	R245	G	0.000	0.271	0.027
Manatee	5592	River Plantation HOA, Inc	R240	G	0.074	0.122	0.122
Manatee	5617	Medallion Home at Ft Hamer, LLC	R240	G	0.147	0.332	0.216
Manatee	5656	Waterlefe CDD	R250	G	0.182	0.262	0.262
Manatee	6293	Palm Aire Country Club	R250	G	0.231	0.399	0.399
Manatee	6590	Copperstone Master Assoc, Inc & Townhome HOA, Inc	R240	G	0.019	0.071	0.071
Manatee	7632	Cascades at Sarasota Res Assoc, Inc	R240	G	0.239	0.157	0.157
Manatee	7635	SFTEN, LLC	R240	G	0.094	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	8.470	18.238	18.077
Manatee	8012	Sara Bay Country Club, Inc	R250	G	0.006	0.152	0.152
Manatee	8012	Sara Bay Country Club, Inc	R250	S	0.128	0.152	0.152
Manatee	8385	Perico Bay Club Association Inc / Attn: Nicole Banks	R240	G	0.016	0.088	0.088
Manatee	8508	Peridia Property Owners Assoc Inc	R250	G	0.058	0.118	0.118
Manatee	8965	River Club Golf, LLC	R250	G	0.221	0.200	0.200
Manatee	9379	Tara Golf and Country Club, Inc	R250	G	0.156	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	0.353	0.920	0.920
Manatee	9808	University Park Community Association, Inc	R250	S	0.245	0.920	0.920
Manatee	10257	Trevesta Irrigation, LLC	R240	G	0.003	0.204	0.204
Manatee	11881	The Preserve Management, LLC	R250	G	0.013	0.258	0.258
Manatee	12290	Lakeridge Falls Community Association, Inc	R240	G	0.196	0.133	0.133
Manatee	12613	Lakewood Ranch Country Club-West Community Assoc, Inc	R240	G	0.158	0.174	0.174
Manatee	12630	The Concession Golf Club, LLC	R250	G	0.253	0.230	0.230
Manatee	12632	WR-I Associates, Ltd.	R240	G	0.000	0.086	0.086
Manatee	12632	WR-I Associates, Ltd.	R240	S	0.065	0.086	0.086
Manatee	12900	Minto Bradenton, LLC	R240	G	0.112	0.131	0.131
Manatee	13035	Oakleaf Hammock HOA, Inc	R240	G	0.151	0.227	0.227
Manatee	13281	GTIS I VGC, LP	R240	G	0.000	0.071	0.036
Manatee	20088	IMG Academy, LLC	R240	G	0.000	0.072	0.072
Manatee	20269	Upper Manatee 288, LLC	R240	G	0.082	0.195	0.195

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Manatee	20498	The Concession Community Association, Inc	R244	G	0.082	0.093	0.093
Manatee	20884	Willow Hammock Community Association, Inc	R240	G	0.065	0.079	0.079
Manatee County Totals					13.484	Metered, mgd	
					2.083	Estimated, mgd, 127 WUPs	
					15.567	Total, mgd	
Marion	5642	Four Seasons Golf, LLC	R250	G	0.082	0.271	0.271
Marion	6674	RLR Investments, LLC	R250	G	0.209	0.265	0.265
Marion	7178	Development & Construction Company Of America	R240	G	0.211	0.265	0.265
Marion	10266	Pulte Home Company, LLC	R250	G	0.283	0.382	0.382
Marion	10266	Pulte Home Company, LLC	R250	S	0.000	0.382	0.382
Marion	11475	Arbor Springs Development, LLC	R240	G	0.006	0.106	0.033
Marion	12843	Vikings, LLC	R250	G	0.278	0.304	0.304
Marion	12911	The Club at Ocala Preserve LLC	R250	G	0.115	0.223	0.150
Marion	12993	Summerglen Owners' Assoc, Inc	R250	G	0.291	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	0.083	0.102	0.102
Marion	20173	Sidney Colen and Associates LTD	R250	G	0.298	0.522	0.522
Marion County Totals					1.857	Metered, mgd	
					1.146	Estimated, mgd, 26 WUPs	
					3.003	Total, mgd	
Pasco	347	Pasco Investment Land, LLC	R240	G	0.094	0.419	0.419
Pasco	1194	Summit View, LLC	R240	G	0.000	0.127	0.127
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	0.004	0.082	0.082
Pasco	6113	Saddlebrook Resorts, Inc	R250	G	0.312	0.613	0.613
Pasco	6113	Saddlebrook Resorts, Inc	R250	S	0.047	0.613	0.613
Pasco	6129	Florida Fish & Wildlife Conservation Commission	R301	G	0.004	0.269	0.269
Pasco	7672	Pasco Golf Associates, Inc	R250	G	0.218	0.215	0.215
Pasco	7733	The Links Of Lake Bernadette, Inc	R250	G	0.092	0.201	0.201
Pasco	8118	Holden Group	R250	G	0.000	0.106	0.106
Pasco	8561	Ekadashi Management, LLC	R250	G	0.160	0.222	0.222
Pasco	8892	Sun TRS Southport Springs LLC	R250	G	0.131	0.180	0.180

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Pasco	10039	Fox Hollow Golf, LLC	R250	G	0.212	0.158	0.158
Pasco	10366	Seven Springs Golf & Country Club, Inc	R250	G	0.007	0.133	0.133
Pasco	10447	Goldenranch Property, LLC	R244	G	0.020	0.131	0.131
Pasco	10870	Betmar Acres Club, Inc	R250	G	0.107	0.155	0.155
Pasco	11589	Golfvision 2 LLC	R250	G	0.000	0.183	0.183
Pasco	11650	Heritage Pines Community Assoc Inc	R250	G	0.023	0.067	0.067
Pasco	11773	Little Everglades Ranch Inc	R245	G	0.002	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	0.733	0.640	0.640
Pasco	11852	Hidden Creek North Community Development District	R240	G	0.005	0.017	0.017
Pasco	11898	Pasco County School Board	R240	G	0.034	0.094	0.094
Pasco	11913	Heritage Springs Comm Assoc, Inc	R250	G	0.175	0.250	0.250
Pasco	12044	The Groves CDD	R250	G	0.018	0.184	0.184
Pasco	12346	La Hacienda Del Cielo LLC	R240	G	0.000	0.137	0.008
Pasco	12754	Waters Edge CDD District	R244	G	0.003	0.249	0.249
Pasco	12784	Order of Saint Benedict of Florida	R250	G	0.011	0.143	0.131
Pasco	13247	F & S Farm, LLC	R250	G	0.002	0.260	0.260
Pasco County Totals					2.416	Metered, mgd	
					0.791	Estimated, mgd, 38 WUPs	
					3.207	Total, mgd	
Pinellas	288	Countryside Country Club, Inc	R250	G	0.000	0.075	0.075
Pinellas	334	Pelican Golf, LLC	R250	G	0.000	0.262	0.262
Pinellas	339	City of Clearwater	R250	G	0.000	0.035	0.035
Pinellas	708	Bellevue Biltmore Country Club	R250	G	0.041	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	0.044	0.174	0.174
Pinellas	2215	NorthStar Cemetery Services of FL, LLC	R240	G	0.048	0.257	0.257
Pinellas	2731	City of Largo Largo Golf Course	R250	G	0.025	0.045	0.045
Pinellas	3707	Bayou Golf, LLC	R250	G	0.666	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	0.186	0.215	0.215
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	G	0.000	0.052	0.012
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	S	0.000	0.052	0.012

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Pinellas	7437	Spirit Realty, L.P.	R250	G	0.002	1.300	1.300
Pinellas	7437	Spirit Realty, L.P.	R250	S	0.006	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	0.689	0.268	0.268
Pinellas	9551	Tropical Golf Properties, LLC	R250	G	0.096	0.135	0.135
Pinellas	9670	Ace Crescent Oaks, Inc	R250	G	0.330	0.345	0.345
Pinellas	10318	Homeowners of Palm Hill Inc	R244	G	0.106	0.149	0.149
Pinellas	10732	Lansbrook Golf, LLC	R250	G	0.031	0.323	0.323
Pinellas	10882	Pinellas County	R245	S	0.007	0.034	0.034
Pinellas	11816	The City of Clearwater	R250	G	0.000	0.152	0.152
Pinellas	20030	Premier Club Holdings, LLC	R250	S	0.171	0.257	0.257
Pinellas	21027	City of St. Petersburg	R240	G	0.013	0.006	0.006
Pinellas County Totals					2.500	Metered, mgd	
					0.820	Estimated, mgd, 31 WUPs	
					3.320	Total, mgd	
Polk	143	Mountain Lake Corp	R220	G	1.648	3.294	2.521
Polk	1247	D Course Development, LLC	R250	G	0.244	0.255	0.255
Polk	3731	Five Star Family Growers, LLC	R240	G	0.043	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	0.187	0.267	0.267
Polk	4658	City of Lake Wales	R245	G	0.014	3.903	0.018
Polk	4698	Bok Tower Gardens Foundation Inc	R260	G	0.206	0.204	0.204
Polk	5251	Grenelefe Resort Utility, Inc	R250	G	0.552	0.486	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	0.167	0.313	0.307
Polk	7187	CHC VII LTD	R250	G	0.076	0.284	0.091
Polk	7187	CHC VII LTD	R250	S	0.000	0.284	0.091
Polk	7328	Carefree Rv Country Club Of Winter Haven Inc	R250	G	0.048	0.131	0.052
Polk	7489	Merlin Entertainment Group Florida LLC	R240	G	0.194	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	0.196	0.194	0.194

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Polk	8466	Floral Lakes Homeowners Association, Inc	R210	G	0.000	0.041	0.041
Polk	8467	City of Lakeland	R250	G	0.183	0.227	0.227
Polk	8472	Cypress Lakes Associates LTD	R250	G	0.061	0.152	0.152
Polk	8553	John G. Wood & Associates Inc	R250	G	0.153	0.269	0.269
Polk	8565	Imperial Lakes Land Corp	R250	G	0.000	0.337	0.337
Polk	8967	Sweetwater Community Inc	R250	G	0.032	0.141	0.038
Polk	9007	Osprey Links Golf Course, LLC & Osprey Links, LLC	R250	G	0.079	0.131	0.131
Polk	9123	Carlton Arms Of Lakeland	R240	G	0.011	0.019	0.019
Polk	9234	City Of Bartow	R250	G	0.107	0.155	0.155
Polk	9961	Grasslands Golf & Country Club, Inc	R250	G	0.064	0.070	0.070
Polk	9985	ABT Holdings, LLC	R250	G	0.039	0.284	0.284
Polk	10559	Polk Co BOCC	R245	G	0.033	0.106	0.106
Polk	10826	Lone Palm Golf Club, LLC	R250	G	0.079	0.251	0.251
Polk	10826	Lone Palm Golf Club, LLC	R250	S	0.205	0.251	0.251
Polk	11693	City of Lakeland Parks and Recreation Dept	R230	G	0.065	0.176	0.159
Polk	12172	Lake Ashton II Community Development Dist	R250	G	0.147	0.144	0.144
Polk	12446	C. C. Calhoun, Inc	R240	G	0.000	0.161	0.016
Polk	12636	The Country Club of Winter Haven, Inc	R250	G	0.062	0.122	0.122
Polk	12652	Highlands Reserve LLC	R250	G	0.128	0.050	0.050
Polk	12689	Southern Dunes Golf & Country Club, Inc	R250	G	0.195	0.117	0.117
Polk	12832	Lake Ashton II Community Development Dist.	R250	G	0.197	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	0.440	1.202	1.202
Polk	20745	Stillwater Preserve Development, LLC	R250	S	0.000	1.202	1.202
Polk	20856	Roundhouse Holdings, LLC	R240	G	0.097	0.131	0.131
Polk	21006	Hampton Lakes of Davenport HOA, Inc	R240	G	0.052	0.084	0.084
Polk	21116	Four Lakes Golf Club, Ltd	R250	G	0.018	0.147	0.147
Polk County Totals					6.022	Metered, mgd	
					2.544	Estimated, mgd, 161 WUPs	
					8.566	Total, mgd	
Sarasota	3872	West Villages Improvement District	R240	G	0.520	2.49	2.479
Sarasota	3890	Grand Park Holding, LLC	R240	G	0.000	0.296	0.178
Sarasota	3941	Mission Valley Golf & Country Club, Inc	R250	G	0.327	0.246	0.246

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Sarasota	5517	Capri Isles Golf Inc	R250	G	0.021	0.019	0.019
Sarasota	5648	Gator Creek Golf Club Inc	R250	G	0.002	0.055	0.055
Sarasota	5695	Windward at Lakewood Ranch CDD	R240	G	0.019	0.267	0.157
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	G	0.107	0.362	0.202
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	S	0.089	0.362	0.202
Sarasota	6364	The Plantation Management Association, Inc	R240	G	0.394	1.214	1.214
Sarasota	6364	The Plantation Management Association, Inc	R240	S	0.268	1.214	1.214
Sarasota	6770	Oaks Bayside HOA, Inc	R240	G	0.092	0.166	0.166
Sarasota	6863	L B 500, LLC, dba Longboat Key Club	R250	G	0.150	0.289	0.289
Sarasota	6954	The Oaks Club Corp	R250	G	0.223	0.475	0.475
Sarasota	7448	SNF Property LLC	R310	G	0.156	0.186	0.186
Sarasota	7846	Schroeder-Manatee Ranch Inc (Multi-County w Manatee)	R240	G	0.273	18.238	18.077
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	0.002	0.063	0.063
Sarasota	7893	HGC Prestancia, LLC	R250	G	0.020	0.249	0.249
Sarasota	8109	The Preserve at Misty Creek HOA, Inc	R250	G	0.000	0.125	0.125
Sarasota	8398	Grosvenor Square Capital LLC	R250	G	0.177	0.177	0.177
Sarasota	8819	Boca Royale Golf & Country Club, Inc	R250	G	0.000	0.099	0.099
Sarasota	8900	The Meadows Community Association, Inc	R250	G	0.199	0.144	0.144
Sarasota	9517	Laurel Oak Country Club	R250	G	0.276	0.132	0.132
Sarasota	9667	Lex Pelican LP	R250	G	0.280	0.264	0.264
Sarasota	9839	Venice Golf & Country Club Ltd	R250	G	0.100	0.254	0.254
Sarasota	10407	Serenoa Holdings, LLC	R250	G	0.000	0.275	0.275
Sarasota	10606	LB 500, LLC, dba Longboat Key Club	R250	G	0.147	0.427	0.427
Sarasota	10823	Calusa Lakes Community Assoc Inc	R240	G	0.433	0.387	0.387
Sarasota	10877	Stoneybrook Golf & Country Club of Sarasota, Inc	R250	G	0.240	0.245	0.245
Sarasota	10880	Southbay Yacht & Racquet Club Owner's Assoc, Inc	R240	G	0.230	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	0.091	0.293	0.293
Sarasota	11638	Marsh Creek Holdings, LTD	R250	G	0.000	0.451	0.451
Sarasota	11871	City Of Venice	R250	G	0.228	0.160	0.160
Sarasota	12075	HGC Venetian, LLC	R250	G	0.110	0.408	0.408
Sarasota	12145	Village Walk of Sarasota HOA, Inc	R240	G	0.000	0.184	0.184

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Sarasota	12177	Boca Royale Holdings, LLC	R240	G	0.503	0.296	0.296
Sarasota	12177	Boca Royale Holdings, LLC	R240	S	0.021	0.296	0.296
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	0.187	0.235	0.235
Sarasota	12590	Aquaterra Utilities Inc	R240	G	0.000	0.255	0.255
Sarasota	12634	Venetian Falls HOA Inc	R240	G	0.083	0.157	0.157
Sarasota	12645	Resource Conservation of Sarasota, LLC	R240	G	0.298	0.519	0.519
Sarasota	12750	Ventura Village HOA Inc	R240	G	0.025	0.087	0.087
Sarasota	12759	Panacea Gulf Coast Investments, LLC	R240	G	0.377	0.476	0.476
Sarasota	12772	Islandwalk at the West Villages HOA, Inc	R240	G	0.000	0.700	0.700
Sarasota	12772	Islandwalk at the West Villages HOA, Inc	R240	S	1.272	0.700	0.700
Sarasota	20403	Sandhill Preserve Property Owners' Assoc, Inc	R240	G	0.000	0.050	0.050
Sarasota	20546	Milano Neighborhood Association, Inc	R240	G	0.124	0.131	0.131
Sarasota	20591	Hammock Preserve Homeowners Association, Inc	R240	G	0.025	0.128	0.128
Sarasota	20599	Bellacina by Casey Key HOA Inc	R240	G	0.089	0.159	0.159
Sarasota	20599	Bellacina by Casey Key HOA Inc	R240	S	0.035	0.159	0.159
Sarasota	20643	Esplanade on Palmer Ranch Homeowners Association, Inc	R240	G	0.052	0.060	0.060
Sarasota	20816	LT Ranch Community Development District	R240	G	0.137	0.280	0.280
Sarasota	20821	McCann Holdings, LTD	R240	G	0.263	0.260	0.260
Sarasota	20853	Pulte Home Company, LLC	R240	G	0.135	0.113	0.113
Sarasota	20888	Vicenza Neighborhood Association, Inc	R240	G	0.183	0.123	0.123
Sarasota	20898	Sarasota County	R245	G	0.009	0.059	0.059
Sarasota	20935	Aria Neighborhood Association, Inc	R240	G	0.022	0.075	0.075
Sarasota	20936	Cielo Neighborhood Association, Inc	R240	G	0.056	0.036	0.036
Sarasota County Totals					9.071	Metered, mgd	
					1.940	Estimated, mgd, 121 WUPs	
					11.011	Total, mgd	
Sumter	2622	Continental Country Club R.O. Inc	R250	G	0.221	0.212	0.212
Sumter	3206	The Villages Operating Company	R250	G	0.421	0.616	0.616
Sumter	6793	Rainforest RV Inc	R250	G	0.022	0.224	0.193
Sumter	8675	U.S. Dept Of Veterans Affairs	R240	G	0.112	0.817	0.817
Sumter	10923	Spruce Creek Golf LLC	R250	G	0.482	0.349	0.349

2023 ESTIMATED WATER USE REPORT

Table A-5. 2023 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Sumter	11566	The Villages of Lake-Sumter Inc	R245	G	0.034	0.093	0.093
Sumter	11624	Village CDD 2	R240	G	0.055	0.077	0.077
Sumter	11778	Village Center CDD	R250	G	0.012	0.040	0.040
Sumter	13005	Village Center CDD	R250	G	1.161	19.346	1.347
Sumter	20687	Wildwood Utility Dependent District	R240	G	1.316	2.633	2.633
Sumter	20949	Gibson Place Water Conservation Authority	R240	G	0.002	4.466	4.466
Sumter County Totals					3.837	Metered, mgd	
					0.242	Estimated, mgd, 11 WUPs	
					4.079	Total, mgd	
District Totals					55.259	Metered, mgd	
					14.544	Estimated, mgd	
					69.803	Total, mgd	

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

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

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

2023 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.

2023 ESTIMATED WATER USE REPORT

Table A-6. 2023 Metered + Estimated Landscape/Recreation Monthly Average Withdrawals (mgd/month) by County

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	1.166	1.732	2.237	1.577	2.385	1.854	1.613	1.787	1.030	1.663	1.791	1.195
Citrus	1.311	2.386	3.828	3.186	3.808	2.685	2.121	2.701	2.638	3.637	3.220	2.115
Desoto	0.122	0.193	0.273	0.233	0.228	0.199	0.164	0.103	0.134	0.132	0.165	0.091
Hardee	0.090	0.125	0.179	0.191	0.155	0.154	0.155	0.147	0.153	0.192	0.197	0.135
Hernando	1.464	2.828	2.864	3.117	3.171	2.483	2.530	2.423	3.328	4.007	3.157	2.397
*Highlands	1.422	2.327	2.766	2.410	2.400	2.120	2.134	2.066	1.788	1.976	2.083	1.532
Hillsborough	6.705	8.525	14.700	16.198	13.797	8.172	9.087	9.468	12.494	11.491	14.435	8.487
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.119	0.201	0.298	0.295	0.271	0.241	0.224	0.205	0.195	0.244	0.248	0.152
Manatee	7.963	13.050	18.329	20.251	18.925	15.599	16.839	14.488	11.655	16.220	22.370	13.470
*Marion	1.803	2.423	3.280	4.106	3.748	3.244	2.828	3.299	3.119	3.452	2.855	1.870
Pasco	1.406	2.470	4.866	4.471	3.985	2.989	2.688	2.749	3.276	3.805	3.374	2.403
Pinellas	3.415	2.615	3.357	3.488	4.274	3.715	4.257	3.576	2.872	3.052	3.006	2.219
*Polk	4.691	6.517	11.423	10.589	10.505	11.026	8.647	8.879	7.001	9.285	8.995	5.232
Sarasota	5.796	8.933	11.866	12.607	13.306	13.162	11.327	10.969	8.982	10.026	12.397	9.487
Sumter	2.587	4.790	9.379	7.285	5.867	3.442	1.772	2.828	2.464	3.313	3.187	2.042
District Total	40.060	59.115	89.645	90.004	86.825	71.085	66.386	65.688	61.129	72.495	81.480	52.827
Groundwater	34.907	54.141	81.203	83.393	80.166	65.619	60.268	60.345	56.645	65.633	74.775	48.057
Surface Water	5.153	4.974	8.442	6.611	6.659	5.466	6.118	5.343	4.484	6.862	6.705	4.770

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

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

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Charlotte	1019	Ryals Citrus & Cattle Co	A470	G	0.000	0.316	0.316
Charlotte	1117	Bickett Holdings, LLC	A415	G	0.067	2.316	2.316
Charlotte	1117	Bickett Holdings, LLC	A415	S	0.008	2.316	2.316
Charlotte	1759	Probitas Enterprises LLC	A57F	G	0.000	2.461	2.461
Charlotte	1759	Probitas Enterprises LLC	A57F	S	0.000	2.461	2.461
Charlotte	2588	Kelly Family Holdings LLC	A451	G	0.526	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	0.781	2.767	2.748
Charlotte	2689	East Charlotte Drainage District	A415	S	0.618	2.767	2.748
Charlotte	4217	The Five Cross Land Trust	A490	G	0.000	0.199	0.199
Charlotte	4606	Spanish Trail Land & Cattle Company LLC	A525	G	0.000	0.302	0.302
Charlotte	5936	Schwartz Charlotte Grove Properties, LLC	A495	G	0.126	1.001	1.001
Charlotte	6569	Kent C. Connell	A525	G	0.000	0.142	0.142
Charlotte	7240	Duy Nguyen, Inc	L600	G	0.000	0.002	0.002
Charlotte	9052	Ben Hill Griffin, Inc	A415	G	0.000	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	0.000	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	0.223	0.679	0.679
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	G	1.299	1.465	1.465
Charlotte	9648	Thomas W. Beddard Revocable Trust	A56F	S	0.000	1.465	1.465
Charlotte	9727	Friedrich Schiller	A415	G	0.080	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	TMV Properties, Inc	A525	G	0.076	0.377	0.377
Charlotte	11715	Burnt Store Developers, LLC	A490	G	0.000	0.240	0.240
Charlotte	11982	Bethel Farms LLLP	A525	G	0.818	0.902	0.902
Charlotte	12541	Lake Lonely, LLC	A525	G	0.298	0.433	0.433
Charlotte	12543	Charlotte County BOCC	A460	G	0.000	0.048	0.023
Charlotte	13027	Faye and James Williams Property, Inc	L715	G	0.000	0.105	0.001
Charlotte	13027	Faye and James Williams Property, Inc	L715	S	0.000	0.105	0.001
Charlotte	13349	Ryals Citrus & Cattle, LLC	A525	G	0.304	0.499	0.499
Charlotte	13349	Ryals Citrus & Cattle, LLC	A525	S	0.000	0.499	0.499

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Charlotte	20053	Hudson Hammocks, LLC and JMH Trust	A470	G	0.043	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	1.696	1.696
Charlotte	20902	Brevard-Harbor Edge, LLC	A57F	S	1.739	1.696	1.696
Charlotte	20999	Farm Road Port Charlotte FL, LLC	A525	G	0.009	2.010	2.010
Charlotte	20999	Farm Road Port Charlotte FL, LLC	A525	S	0.000	2.010	2.010
Charlotte County Totals					7.015	Metered, mgd	
					0.570	Estimated, mgd, 21 WUPs	
					7.585	Total, mgd	
Citrus	12288	M & B Products Inc	A455	G	0.132	0.497	0.497
Citrus County Totals					0.132	Metered, mgd	
					1.423	Estimated, mgd, 42 WUPs	
					1.555	Total, mgd	
DeSoto	164	Citrus Pride Inc	A415	G	0.031	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	0.258	0.261	0.261
DeSoto	897	Sorrells Groves, Inc	A415	G	0.167	0.448	0.448
DeSoto	940	Bickett Holdings, LLC	A415	G	0.084	0.330	0.330
DeSoto	1018	Fort Ogden LLC	A415	G	0.000	0.074	0.074
DeSoto	1020	Ryals Citrus and Cattle, LLC	A470	G	0.041	0.330	0.330
DeSoto	1048	River Valley Farms, LLC	A410	G	0.066	0.204	0.204
DeSoto	1176	Solin, LLC	A415	G	0.000	0.090	0.090
DeSoto	1240	Stag Ranch, LLC	A415	G	0.009	0.075	0.075
DeSoto	1379	Robert Brewer, Lenora Brewer, James Brewer	A415	G	0.020	0.099	0.099
DeSoto	1381	Sorrells Of Manatee Inc	A415	G	0.101	0.163	0.163
DeSoto	1384	Sorrells Groves, Inc	A415	G	0.000	0.107	0.107
DeSoto	1389	Sorrells Groves, Inc	A415	G	0.010	0.147	0.147
DeSoto	1391	Down South Blues Corp	A410	G	0.095	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	2.388	3.083	3.083
DeSoto	1687	Cary Mike Mercer & Eugene H Jr & Jane Turner	A415	G	0.000	0.089	0.089
DeSoto	1754	L.I. Smith Trustee	A415	G	0.000	0.114	0.114
DeSoto	1755	VCH Holdings, LLC	A415	G	0.081	0.174	0.174
DeSoto	1766	Hollingsworth Grove Properties LLC	A415	G	0.037	0.059	0.059

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	1771	Diner Citrus and Cattle Company	A415	G	0.000	0.143	0.143
DeSoto	2125	Carlton Horse Creek Partners LLC	A470	G	0.291	0.629	0.629
DeSoto	2193	Phillip W Turner Family Partnership LTD	A490	G	0.695	3.802	3.802
DeSoto	2240	Eugene H Turner Family Partnership, LTD	A415	G	0.123	0.230	0.230
DeSoto	2386	Joshua Water Control District	A415	G	11.918	14.132	14.132
DeSoto	2390	Alfred G & Mary J Parker	A490	G	0.047	0.265	0.265
DeSoto	2418	Island Grove, LLC	A410	G	0.000	0.091	0.091
DeSoto	2435	Eugene H. Turner, Jr	A415	G	0.000	0.094	0.094
DeSoto	2665	M and V, LLC	A415	G	0.170	0.677	0.677
DeSoto	2665	M and V, LLC	A415	S	0.000	0.677	0.677
DeSoto	2703	VCH Citrus, LLC	A415	G	0.102	0.499	0.499
DeSoto	2740	Eugene H. Turner as the Trustee	A415	G	0.226	0.538	0.538
DeSoto	2790	VCH Citrus, LLC	A415	G	0.058	0.136	0.136
DeSoto	2906	Eugene H Turner Family Partnership, LTD	A416	G	0.064	0.119	0.119
DeSoto	3069	Symon Grove, LLC	A415	G	0.001	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	0.098	0.285	0.285
DeSoto	3275	Florida Power & Light Company	A415	G	0.000	0.722	0.722
DeSoto	3275	Florida Power & Light Company	A415	S	0.000	0.722	0.722
DeSoto	3320	Bickett Holdings, LLC	A415	G	0.000	0.018	0.018
DeSoto	3322	Sorrells Groves, Inc	A415	G	0.000	0.081	0.081
DeSoto	4396	Joseph Stillwagon	A415	G	0.000	0.154	0.154
DeSoto	4692	Joshua and Courtney Varner	A415	G	0.000	0.079	0.079
DeSoto	4726	Ridgeback Grove LLC	A415	G	0.000	0.171	0.171
DeSoto	4806	Sorrells Groves, Inc	A415	G	0.067	0.248	0.248
DeSoto	4899	Spanish Trail Land & Cattle Company, LLC	L632	G	0.322	0.352	0.352
DeSoto	5060	Charlee LLC	A470	G	0.000	2.203	2.203
DeSoto	5305	Mercer's Mens & Western Store, Inc	A415	G	0.060	0.206	0.206
DeSoto	5875	Bickett Holdings, LLC	A415	G	0.217	0.770	0.770
DeSoto	5951	Dan Shelfer and Carolyn Shelfer Trust	A415	G	0.011	0.134	0.134
DeSoto	6064	James D. Brewer, James R. Brewer & Robert C. Brewer	A415	G	0.000	0.129	0.129
DeSoto	6122	VCH Holdings, LLC	A415	G	0.133	0.247	0.247
DeSoto	6134	Robert M & Barbara G Tiffany	A415	G	0.068	0.128	0.128
DeSoto	6274	Orange You Glad Groves, LLC	A415	G	0.000	0.523	0.523

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	6274	Orange You Glad Groves, LLC	A415	S	0.000	0.523	0.523
DeSoto	6410	Charles Harrison	A415	G	0.074	0.110	0.110
DeSoto	6411	Justin Blomberg, Trustee of the DeSoto 293 Land Trust	A415	G	0.000	0.227	0.227
DeSoto	6669	QC Standby 5 LLC	A415	G	1.204	1.530	1.530
DeSoto	6669	QC Standby 5 LLC	A415	S	0.000	1.530	1.530
DeSoto	6765	QC Hancock Grove, LLC	A415	G	0.455	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	0.377	0.428	0.428
DeSoto	6872	Tippen Bay Properties, LLLP	A415	G	0.444	1.585	1.585
DeSoto	6872	Tippen Bay Properties, LLLP	A415	S	0.000	1.585	1.585
DeSoto	6915	Janice Lee Ranch & 3B Partnership (Multi-County w Manatee)	A495	G	0.043	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	0.060	0.107	0.107
DeSoto	7236	John K Johnson & H L Johnson Family Limited Partnership	A525	G	0.000	0.443	0.443
DeSoto	7262	Sorrells Groves, Inc	A415	G	0.033	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	0.059	0.307	0.307
DeSoto	7291	VCH Holdings, LLC	A415	G	0.073	0.117	0.117
DeSoto	7292	Charles W. Harrison Family Trust	A415	G	0.033	0.080	0.080
DeSoto	7331	Justin Blomberg, Trustee	A525	G	0.406	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	0.050	0.122	0.122
DeSoto	7462	Bexley Sumter, Inc	A525	G	0.066	1.181	1.181
DeSoto	7462	Bexley Sumter, Inc	A525	S	0.000	1.181	1.181
DeSoto	7535	Bickett Farms	A415	G	0.142	1.055	1.055
DeSoto	7775	Sorrells Groves, Inc	A415	G	0.060	0.132	0.132
DeSoto	7783	Florida Power & Light Company	A415	G	0.000	0.456	0.456
DeSoto	7783	Florida Power & Light Company	A415	S	0.112	0.456	0.456
DeSoto	7854	Sunny Future, LLC	A415	G	0.105	0.137	0.137
DeSoto	7870	Sorrells Groves, Inc	A415	G	0.277	0.197	0.197
DeSoto	7957	Turner Groves Citrus Limited Partnership	A415	G	3.074	3.170	3.170
DeSoto	8154	Emerald Packing Company Inc	A415	G	0.006	0.071	0.071
DeSoto	8224	Spanish Trails Farming and Land Company, LLC	A525	G	0.000	2.534	2.532
DeSoto	8224	Spanish Trails Farming and Land Company, LLC	A525	S	0.000	2.534	2.532

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	8287	QC Standby 5 LLC	A415	G	0.129	0.180	0.180
DeSoto	8348	William Head	A470	G	0.031	0.470	0.470
DeSoto	8436	RCB Desoto, LLC	A415	G	0.022	0.090	0.090
DeSoto	8480	QC Standby 5 LLC	A415	G	1.542	1.267	1.267
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	G	1.800	4.356	4.356
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	S	0.000	4.356	4.356
DeSoto	8660	PIC Association Group, LLC	A415	G	0.000	0.354	0.354
DeSoto	8670	Citrus Pride, Inc	A415	G	0.028	0.241	0.241
DeSoto	8757	Florida Power & Light Company	A415	G	0.073	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	0.264	0.553	0.553
DeSoto	8935	VCH Holdings, LLC	A415	G	0.050	0.131	0.130
DeSoto	8985	Florida Power & Light Company	A415	G	1.007	3.109	3.109
DeSoto	9031	Sorrells Groves Inc	A415	G	0.079	0.118	0.118
DeSoto	9073	Diaz Family Properties, LLC	L661	G	0.229	0.231	0.231
DeSoto	9127	Sunriver Citrus Florida LLC	A415	G	0.014	0.350	0.350
DeSoto	9154	QC Standby 5, LLC	A415	G	0.501	0.397	0.397
DeSoto	9185	QC Standby 5 LLC	A415	G	0.423	0.384	0.384
DeSoto	9226	PH Citrus, LLC	A535	G	0.128	2.013	2.013
DeSoto	9279	Sorrells Groves, Inc	A415	G	0.034	0.084	0.084
DeSoto	9373	QC Far Lo Grove, LLC	A415	G	0.145	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	0.132	0.168	0.168
DeSoto	9478	Spanish Trail Land and Cattle Company, LLC	A525	G	0.000	0.954	0.954
DeSoto	9492	T & T Environmental, LLC	A525	G	0.000	0.625	0.625
DeSoto	9567	Jose and Maria Gracia	A415	G	0.000	0.291	0.291
DeSoto	9571	Barben Group	A415	G	0.147	0.160	0.160
DeSoto	9715	James D and Robert C Brewer	A415	G	0.030	0.166	0.166
DeSoto	9716	Island Grove LLC	A410	G	0.105	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	0.042	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	0.710	1.940	1.940
DeSoto	9782	Spanish Trails Farming and Land Company, LLC	A415	G	0.155	0.648	0.648

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	9789	Pine Level Enterprises of DeSoto, LLC	A415	G	0.030	0.079	0.079
DeSoto	9933	J.D.M. Partnership	A415	G	0.018	0.072	0.072
DeSoto	10067	QC Standby 5 LLC	A415	G	0.181	0.117	0.117
DeSoto	10233	Charles T. and Gina M. Adams, Adams Family Trust	A490	G	0.000	0.117	0.117
DeSoto	10251	Robert T. & Barbara G. Tiffany	A415	G	0.053	0.085	0.085
DeSoto	10379	M & R Groves Inc	A410	G	0.000	0.159	0.159
DeSoto	10553	Robert C. and James D. Brewer	A415	G	0.008	0.128	0.128
DeSoto	10719	Phillip W Turner Family Partnership LTD	A416	G	0.225	0.281	0.281
DeSoto	10722	Alico, Inc	A415	G	5.187	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	0.209	0.201	0.201
DeSoto	11017	QC Standby 5 LLC	A415	G	0.236	0.123	0.123
DeSoto	11124	Dimare Ruskin #2 LLC	A56F	G	0.863	2.259	2.259
DeSoto	11201	Sorrells Groves, Inc	A415	G	0.091	0.184	0.184
DeSoto	11256	Kathy Salvador	A470	G	0.000	0.231	0.231
DeSoto	11261	Peace River Development Corp	A56S	G	0.125	0.665	0.665
DeSoto	11665	4 N 1 Grove LLC	A415	G	0.101	0.271	0.271
DeSoto	11718	Bermont Properties LLC	A415	G	0.083	0.151	0.151
DeSoto	12004	Board of Trustees Internal Improvement Trust Fund	A57F	G	0.160	0.174	0.174
DeSoto	12253	Citrus Grove Inc	A415	G	0.072	0.136	0.136
DeSoto	12391	James Bickett	A490	G	0.201	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	0.000	0.131	0.131
DeSoto	12814	Llano Ranches, LP	A470	G	0.623	1.749	1.749
DeSoto	12818	Island Grove LLC	A410	G	0.022	0.194	0.194
DeSoto	12866	VCH Citrus LLC	A415	G	0.130	0.199	0.199
DeSoto	12875	QC Standby 5 LLC	A415	G	0.345	0.207	0.207
DeSoto	12997	Yacovetti Family Holdings II, LLC	A480	G	0.000	0.301	0.301
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	20119	5692 NE McIntyre St LLC	A410	G	0.022	0.065	0.065
DeSoto	20285	RCB DESOTO, LLC	A415	G	0.000	0.121	0.121

2023 ESTIMATED WATER USE REPORT

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DeSoto	20554	French Golden Gate, LLC	A58S	G	0.080	2.320	2.320
DeSoto	20664	North Joshua Grove, LLC	A415	G	0.378	0.861	0.861
DeSoto	20703	Florida Power & Light Company	A58S	G	0.006	2.415	2.415
DeSoto	20794	Deer Creek Ranch LLC	A470	G	0.000	0.172	0.172
DeSoto	20968	J&L Triple B Ranch, LLLP	A495	G	0.031	0.306	0.306
DeSoto	21012	Mosaic Fertilizer, LLC	A525	G	0.000	2.977	2.977
DeSoto	21012	Mosaic Fertilizer, LLC	A525	S	0.000	2.977	2.977
DeSoto County Totals					42.513	Metered, mgd	
					7.063	Estimated, mgd, 270 WUPs	
					49.576	Total, mgd	
Hardee	51	Altos Rock, LLC	A410	G	0.233	0.266	0.266
Hardee	52	H. Shawn and Zenybie Pollard	A410	G	0.337	0.244	0.244
Hardee	56	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.000	0.097	0.097
Hardee	131	Ballantyne Groves, Inc	A415	G	0.014	0.091	0.091
Hardee	455	L & J Citrus and Cattle, LLC	A415	G	0.029	0.069	0.069
Hardee	456	Barlow Family Partnership	A415	G	0.000	0.115	0.115
Hardee	480	Johnson-Hardee Holdings, LLC	A415	G	0.068	0.131	0.131
Hardee	527	Stephen M & Jennifer S Palmer	A415	G	0.125	0.259	0.259
Hardee	558	Chapman Family Partnership, LLLP	A415	G	0.049	0.102	0.102
Hardee	614	Picnic Block Holdings, Inc	A415	G	0.116	0.143	0.143
Hardee	690	Gerald J McLean, Trustee	A415	G	0.000	0.194	0.194
Hardee	775	The O'Connell Family Revocable Living Trust	A415	G	0.091	0.068	0.068
Hardee	784	Mosaic Fertilizer, LLC	A415	G	0.157	0.339	0.339
Hardee	785	Mosaic Fertilizer, LLC	A415	G	0.609	1.185	1.185
Hardee	834	Arnold Lanier	A56S	G	0.002	0.154	0.154
Hardee	1088	John and Josephine Beck	A415	G	0.036	0.086	0.086
Hardee	1102	Peace River Investments Of Wauchula, LLC	A415	G	0.000	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	0.106	0.189	0.189
Hardee	1242	Barben Group	A415	G	0.325	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	0.000	0.300	0.300
Hardee	1259	QC Desoto Grove Ventures, LLC	A415	G	0.249	0.162	0.162
Hardee	1283	J W Crews Jr	A415	G	0.022	0.112	0.112

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	1324	Mosaic Fertilizer, LLC	A416	G	0.000	0.061	0.061
Hardee	1454	Crewsville Groves LLC	A415	G	0.945	0.978	0.978
Hardee	1472	Lynn Brown	A415	G	0.047	0.152	0.152
Hardee	1576	Mosaic Fertilizer, LLC	A415	G	0.061	0.131	0.131
Hardee	1672	Chapman Family Partnership, LLLP	A415	G	0.073	0.269	0.269
Hardee	1709	ATP Groves, LLC	A415	G	0.017	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	0.174	0.199	0.199
Hardee	1912	V & W Farms Inc of Delray Beach	A495	G	0.035	1.298	1.295
Hardee	2149	South Ft. Meade Land Management, Inc	A655	G	0.000	0.154	0.154
Hardee	2158	Mosaic Fertilizer, LLC	A495	G	0.000	1.075	1.075
Hardee	2164	Debra and Thomas S. Watkins	A415	G	0.300	0.403	0.403
Hardee	2270	Three B Grove and Ranch, LLP	A415	G	0.118	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	A655	G	0.077	0.215	0.215
Hardee	2382	D H Ranch Inc	A490	G	0.014	0.099	0.099
Hardee	2383	Smoak Groves, Inc	A415	G	0.045	0.043	0.043
Hardee	2467	Ben Hill Griffin, Inc	A455	G	0.119	1.144	1.144
Hardee	2584	John L. & Jeri A. Matz	A415	G	0.054	0.072	0.072
Hardee	2614	Hollingsworth Grove Properties LLC	A415	G	0.077	0.166	0.166
Hardee	2626	734 LMC Groves, LLC	A415	G	0.348	0.354	0.354
Hardee	2645	Willard K Durrance, Jr, Elizabeth A. Durrance	A415	G	0.144	0.107	0.107
Hardee	2647	Willard Kelly Durrance, Jr	A490	G	0.299	0.183	0.183
Hardee	2648	W.K. Durrance, LLC	A455	G	0.133	0.407	0.407
Hardee	2715	Mosaic Fertilizer LLC (Multi-County w Polk)	A525	G	0.476	3.924	3.924
Hardee	2727	Useppa Citrus, LLC	A415	G	0.132	0.157	0.157
Hardee	2774	Farr Groves LLC	A415	G	0.071	0.104	0.104
Hardee	2871	Tamiami Citrus, LLC	A415	G	0.968	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 Trst	A415	G	0.097	0.338	0.338
Hardee	2930	McCarlton Partners Ltd	A415	G	0.110	0.171	0.171
Hardee	2932	McCarlton Partners Ltd	A470	G	0.001	0.423	0.423
Hardee	3096	Bethel Farms, LLLP	A525	G	0.013	0.407	0.407
Hardee	3119	Smoak Groves, Inc	A415	G	0.086	0.123	0.123

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	3134	Crews Groves, Inc	A415	G	0.242	0.246	0.246
Hardee	3135	Crews Groves, Inc	A415	G	0.000	0.483	0.483
Hardee	3154	The Durrance Groves Limited Partnership	A415	G	0.008	0.083	0.083
Hardee	3207	Crews Groves, Inc	A415	G	0.078	0.093	0.093
Hardee	3235	T.C. Prescott, LLC	A415	G	0.042	0.084	0.084
Hardee	3292	Fort Green Farms, LLC	A415	G	0.073	0.119	0.119
Hardee	3321	Mosaic Fertilizer LLC	A415	G	0.001	0.162	0.162
Hardee	3338	South Ft. Meade Land Management, Inc	A655	G	0.059	0.248	0.248
Hardee	3341	George D N Beck & Glenn Elliott Beck	A415	G	0.057	0.123	0.123
Hardee	3478	Jed Groves Inc	A415	G	0.069	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	0.002	0.617	0.617
Hardee	3592	Square D Ranch Ltd LLP	A490	G	0.104	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	0.114	0.112	0.112
Hardee	3626	South Property Holdings, LLC	A415	G	0.009	0.192	0.192
Hardee	3669	Mosaic Fertilizer, LLC	A525	G	0.000	6.392	0.023
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	0.157	0.142	0.142
Hardee	4091	Bentley-Brahman Ranch, Inc	A410	G	0.304	1.587	1.587
Hardee	4091	Bentley-Brahman Ranch, Inc	A410	S	0.074	1.587	1.587
Hardee	4197	Krause Groves, LLC	A415	G	0.038	0.113	0.113
Hardee	4229	ATP Groves, LLC	A415	G	0.092	0.120	0.120
Hardee	4487	QC Standby Desoto Grove, LLC	A415	G	0.361	0.315	0.315
Hardee	4525	Pavilo Land Holdings, LLC	A480	G	0.078	0.111	0.111
Hardee	4554	QC Standby Desoto Grove, LLC	A415	G	0.147	0.130	0.130
Hardee	4600	Sweetwater Preserve, LLC	A655	G	0.208	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	0.100	0.071	0.071
Hardee	4769	Himrod Groves Limited Partnership	A415	G	0.030	0.143	0.143
Hardee	4817	Twenty Twenty Groves, Inc	A415	G	1.041	1.780	1.780
Hardee	4817	Twenty Twenty Groves, Inc	A415	S	0.635	1.780	1.780

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	4994	J.A.M. Farms Corp	A525	G	0.057	0.211	0.211
Hardee	5024	Mary Jane and Charles Matheny	A490	G	0.027	0.130	0.130
Hardee	5048	Klein Ranch, LLC	A525	G	0.006	0.332	0.332
Hardee	5912	Ninfa C Davis Family LLC	A415	G	0.045	0.106	0.106
Hardee	5918	Crews Groves, Inc (Multi-County w Polk)	A490	G	0.047	0.370	0.370
Hardee	6368	Rebecca Barber	A480	G	0.120	0.188	0.188
Hardee	6393	Theo, Christina, Austin, and Henry Bryant	A480	G	0.057	0.107	0.107
Hardee	6550	Zolfo Springs Grove, LLC	A415	G	0.184	0.129	0.129
Hardee	6579	John Clay Henderson Trust	A415	G	0.066	0.090	0.090
Hardee	6925	Farr Groves LLC	A415	G	0.070	0.097	0.097
Hardee	7012	Mosaic Fertilizer, LLC	A655	G	0.000	0.310	0.310
Hardee	7025	Team Pentecost, LLC	A525	G	0.000	1.301	1.301
Hardee	7099	J. R. Paul, Jr. Family Limited Partnership	A415	G	0.028	0.143	0.143
Hardee	7332	South Ft. Meade Land Management, Inc	A655	G	0.039	0.550	0.550
Hardee	7341	QC Desoto Grove Ventures, LLC	A415	G	0.269	0.154	0.154
Hardee	7376	ATP Groves, LLC	A415	G	0.000	0.125	0.125
Hardee	7408	J.A.M. Farms Corp	A415	G	0.000	0.107	0.107
Hardee	7483	C.R. Melear Corp	A490	G	0.057	0.131	0.131
Hardee	7505	Kahn Grove Service Co	A415	G	0.043	0.133	0.133
Hardee	7522	Putnam Groves, Inc	A490	G	0.064	0.411	0.411
Hardee	7743	Pavilo Land Holdings, LLC	A480	G	0.104	0.235	0.235
Hardee	7759	Edgar Davis	A415	G	0.020	0.074	0.074
Hardee	7778	Moore Grove	A415	G	0.000	0.137	0.137
Hardee	7831	Kyland, LLC	A470	G	0.000	0.176	0.176
Hardee	7998	QC Standby 5 LLC (Multi-County w Manatee)	A415	G	0.186	0.465	0.465
Hardee	8007	Daniel W. & Karen Dodrill	A415	G	0.106	0.102	0.102
Hardee	8057	Charles Bass	A535	G	0.048	0.461	0.461
Hardee	8057	Charles Bass	A535	S	0.000	0.461	0.461
Hardee	8204	Blue Fields USA, LLC	A410	G	0.000	0.208	0.208
Hardee	8234	Royce & Martha Tyson	A415	G	0.028	0.103	0.103
Hardee	8372	Daniel H. & Linda M. Smith	A415	G	0.057	0.157	0.157
Hardee	8379	Josh Chayer and Ka V. Xiong	A700	G	0.026	0.246	0.246
Hardee	8695	Arrowhead Golf Club, Inc	A525	G	0.002	0.363	0.363
Hardee	8696	Dole Berry Company	A410	G	0.266	0.326	0.326

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	8734	Mosaic Fertilizer LLC	A470	G	0.000	0.343	0.343
Hardee	8752	South Ft. Meade Land Management, Inc	A655	G	0.007	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	0.067	0.134	0.134
Hardee	8895	VCH Holdings, LLC	A415	G	0.158	0.476	0.476
Hardee	8907	Davis Enterprises, Inc	A415	G	0.027	0.169	0.169
Hardee	8917	VCH Holdings, LLC	A415	G	0.085	0.244	0.244
Hardee	8963	C&T Citrus , LLC	A415	G	0.121	0.206	0.206
Hardee	8969	South Ft. Meade Land Management, Inc	A415	G	0.099	0.372	0.372
Hardee	8973	Mosaic Fertilizer, LLC	A56S	G	0.000	0.168	0.168
Hardee	8975	Prewitt Enterprises, LLC	A415	G	0.076	0.220	0.220
Hardee	9027	Davis Enterprises Inc / Davis Citrus Mgmt Inc / Joe L Davis, Jr	A415	G	0.181	0.355	0.355
Hardee	9038	C&G Cattle Company, LLC	A490	G	0.000	0.144	0.144
Hardee	9061	Francisco Lucatero & Isaura Lucatero Zamora	A480	G	0.002	0.108	0.108
Hardee	9171	Stevens Land & Cattle LLC	A490	G	0.216	0.440	0.440
Hardee	9251	Stephen Reas and Susie K. Paras	A535	G	0.060	0.449	0.449
Hardee	9390	Windmill Farms Nurseries, Inc	A480	G	0.120	0.305	0.305
Hardee	9390	Windmill Farms Nurseries, Inc	A480	S	0.150	0.305	0.305
Hardee	9486	South Ft Meade Land Management, Inc	A655	G	0.016	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	0.320	0.304	0.304
Hardee	9689	Lake Sawyer Properties, Inc	A415	G	0.090	0.138	0.138
Hardee	9691	The Groves of Peace River, Inc	A415	G	0.102	0.117	0.117
Hardee	9809	Charles J Abbott, Trustee of Charles J Abbott Revocable Trust	A415	G	0.087	0.076	0.076
Hardee	9838	Mosaic Fertilizer LLC	A415	G	0.000	0.014	0.014
Hardee	9847	Lynchburg Groves General Partnership	A415	G	0.127	0.157	0.157
Hardee	9850	Bentley-Snyder	A58S	G	0.084	0.211	0.211
Hardee	9901	Smoak Groves, Inc	A415	G	0.409	0.497	0.497
Hardee	9901	Smoak Groves, Inc	A415	S	0.011	0.497	0.497
Hardee	9987	Redding Farms, LLC	A480	G	0.078	0.065	0.065
Hardee	10009	Edgar Lawrence Davis Jr	A495	G	0.021	0.230	0.230
Hardee	10671	Mosaic Fertilizer LLC	A415	G	0.485	2.294	2.294
Hardee	10716	South Ft. Meade Land Management, Inc	A415	G	0.000	0.012	0.012
Hardee	10771	Carl Wilburn	A415	G	0.077	0.132	0.132

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	10934	HRS Real Estate Trust	A470	G	0.000	0.209	0.209
Hardee	11032	Rebecca Barber	A495	G	0.000	0.089	0.089
Hardee	11083	Patricia Grimsley Trust & Grimsley Groves Inc	A415	G	0.074	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	0.228	0.463	0.463
Hardee	11189	Second Mineral, LLC	A415	G	0.185	0.284	0.284
Hardee	11240	Story Groves, Inc	A415	G	0.297	0.352	0.352
Hardee	11244	Dixie Belle Groves Partnership	A415	G	0.090	0.090	0.090
Hardee	11380	HE & JM McClelland, Trustees of Living Trust	A415	G	0.075	0.075	0.075
Hardee	11395	Mosaic Fertilizer LLC	A51S	G	0.291	0.441	0.441
Hardee	11412	Mosaic Fertilizer, LLC	A646	G	0.000	0.306	0.306
Hardee	11639	Buckhorn Nursery, Ltd	A480	G	0.295	0.442	0.442
Hardee	11840	Glen Elliot Beck, as successor Trustee	A415	G	0.056	0.092	0.092
Hardee	11993	Roberto and Salvador Estrada	A56S	G	0.109	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	0.370	0.929	0.843
Hardee	12643	Bickett Holdings, LLC	A415	G	0.106	0.386	0.386
Hardee	12646	Rebecca Barber	A470	G	0.000	0.493	0.493
Hardee	12757	New Port Groves Partnership	A415	G	0.129	0.124	0.124
Hardee	12881	Stephanie Davidson	A535	G	0.000	0.490	0.490
Hardee	12882	Arthur S. Womack Family, LLC	A415	G	0.064	0.082	0.082
Hardee	13184	Mosaic Fertilizer, LLC	A470	G	0.000	0.295	0.295
Hardee	13188	Germantown Citrus Partnership	A415	G	0.031	0.125	0.125
Hardee	13248	The Groves of Peace River, Inc	A415	G	0.293	0.402	0.402
Hardee	20376	Pebbledale Farms, Inc	A410	G	0.444	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	0.352	0.532	0.532
Hardee	20483	Charles J & Josephine Abbott Trustees	A415	G	0.134	0.158	0.158
Hardee	20760	Charles and Jane Stevens	A415	G	0.029	0.041	0.041
Hardee	20806	VC Hollingsworth, III, L. Mills, B. Thornton, & L. Hoopingarner	A415	G	0.026	0.091	0.091
Hardee	21096	Sheryl Lanier	A470	G	0.000	0.038	0.038
Hardee County Totals					21.010	Metered, mgd	
					13.508	Estimated, mgd, 604 WUPs	
					34.518	Total, mgd	

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hernando	There were no metered agricultural WUPs in Hernando County (permit metering threshold >= 0.500 mgd)						
Hernando County Totals					0.000	Metered, mgd	
					1.484	Estimated, mgd, 60 WUPs	
					1.484	Total, mgd	
Highlands	3736	Avon Park Holdings, LLC	A415	G	0.155	0.234	0.234
Highlands	4075	Ward Family Ltd Partnership	A415	G	0.410	0.344	0.344
Highlands	4077	Martin J and Karen McKenna	A415	G	0.106	0.111	0.111
Highlands	4162	Macbeth Associates, Ltd	A415	G	0.010	0.129	0.129
Highlands	4219	NKC Citrus, LLC	A415	G	0.679	1.340	1.340
Highlands	4230	Peace Valley Groves, Inc	A415	G	0.026	0.098	0.098
Highlands	4251	Gapway Grove Corp	A415	G	0.000	0.083	0.083
Highlands	4253	Gapway Grove Corp	A415	G	0.000	0.227	0.227
Highlands	4284	A.R. Chapman and Stephens Groves, Inc	A415	G	0.218	0.212	0.212
Highlands	4288	C. Elton Crews Family LP, LLLP	A415	G	0.000	0.092	0.092
Highlands	4300	Mark D. Beck Family Trust	A415	G	0.027	0.107	0.107
Highlands	4393	Phoenix Groves, LLC	A415	G	0.298	0.234	0.234
Highlands	4527	John L. Beck Living Trust	A415	G	0.052	0.143	0.143
Highlands	4557	Saxon Groves, Inc	A415	G	0.012	0.179	0.179
Highlands	4557	Saxon Groves, Inc	A415	S	0.069	0.179	0.179
Highlands	4604	Pioneer Lake Farms, Inc	A415	G	0.276	0.207	0.207
Highlands	4677	Ben Hill Griffin, Inc	A415	G	0.078	0.100	0.100
Highlands	4678	Ben Hill Griffin, Inc	A415	G	0.121	0.119	0.119
Highlands	4679	Ben Hill Griffin, Inc	A415	G	1.663	1.593	1.593
Highlands	4680	Ben Hill Griffin, Inc	A415	G	1.404	1.596	1.596
Highlands	4681	Ben Hill Griffin, Inc	A415	G	0.091	0.104	0.104
Highlands	4685	Ben Hill Griffin, Inc	A415	G	0.413	0.425	0.425
Highlands	4895	Thomas S. Watkins and Debra M. Watkins	A415	G	0.074	0.084	0.084
Highlands	4896	734 BLP Groves, LLC	A415	G	0.467	0.833	0.833
Highlands	4922	Crutchfield Groves, Inc	A415	G	0.047	0.110	0.110
Highlands	4941	Highlands Lake Grove, LLC	A415	S	0.000	0.073	0.073
Highlands	5009	Smoak Groves, Inc	A415	G	0.000	0.028	0.028
Highlands	5073	Crutchfield Groves, Inc	A415	G	0.112	0.248	0.248
Highlands	5178	Lost Lake Groves, Inc	A415	S	0.013	0.464	0.464
Highlands	5182	Charles Reynolds	A415	G	0.091	0.214	0.214

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	5232	Crews Groves, Inc & C. Elton Crews Family, LLLP	A415	G	0.045	0.107	0.107
Highlands	5290	PMC POD 4, LLC	A415	G	0.189	0.196	0.196
Highlands	5291	T.K. Dairies, Inc	A415	G	0.198	0.285	0.285
Highlands	5292	Crutchfield Groves, Inc	A415	G	0.003	0.129	0.129
Highlands	5293	Perry Cattle, LLC	A415	G	0.174	0.381	0.381
Highlands	5293	Perry Cattle, LLC	A415	S	0.009	0.381	0.381
Highlands	5322	Harshman Holdings, Inc	A415	G	0.000	0.153	0.153
Highlands	5330	Stephen D. Seims & Joan P. Seims	A490	G	0.098	0.185	0.185
Highlands	5337	Crutchfield Groves, Inc	A415	G	0.079	0.140	0.140
Highlands	5342	Henry Crutchfield Inc	A415	G	0.025	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	0.025	0.090	0.090
Highlands	5445	T.K. Dairies, Inc	A415	G	0.084	0.094	0.094
Highlands	5464	C Elton Crews Family LP LLLP	A415	G	0.160	0.147	0.147
Highlands	5504	C & L Land Co., LLP	A415	G	0.123	0.139	0.139
Highlands	5516	Wabasso Road Dairy, Inc	L615	G	0.057	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	0.025	0.224	0.224
Highlands	5563	Martin McKenna & JW Crews Jr	A415	G	0.139	0.196	0.196
Highlands	5566	Crews Groves, Inc	A415	G	0.179	0.164	0.164
Highlands	5574	Watkins Citrus & Cattle Company	A415	G	0.070	0.100	0.100
Highlands	5583	Crews Land & Development Corp.	A415	G	0.205	0.246	0.246
Highlands	5621	Cow Slough Inc	A415	G	0.000	0.013	0.013
Highlands	5626	Robert J. Barben, Inc	A415	G	0.593	0.610	0.610
Highlands	5627	Robert J. Barben, Inc	A415	G	0.331	0.455	0.455
Highlands	5628	Running W Citrus Limited Partnership	A415	G	0.091	0.100	0.100
Highlands	5630	Macbeth Associates, Ltd	A415	G	0.022	0.107	0.107
Highlands	5638	Running W Citrus Limited Partnership	A415	G	1.596	1.716	1.716
Highlands	5639	734 LMC Groves, LLC	A415	G	0.568	0.731	0.731
Highlands	5676	Lykes Bros., Inc	A415	G	0.717	2.493	2.493
Highlands	5676	Lykes Bros., Inc	A415	S	0.074	2.493	2.493
Highlands	5719	Ward's Groves, LLC	A415	G	0.478	0.341	0.341
Highlands	5720	Emmett & Arost Groves, LLC	A415	G	0.000	0.105	0.105
Highlands	5878	Echo Grove, Inc	A415	S	0.089	0.118	0.118

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	5905	Perry Brothers	A415	G	0.059	0.174	0.174
Highlands	5920	Pioneer Grove, Inc	A415	G	0.343	0.292	0.292
Highlands	5999	Watters Groves, Inc	A415	G	0.046	0.100	0.100
Highlands	5999	Watters Groves, Inc	A415	S	0.012	0.100	0.100
Highlands	6000	Fruit Dynasty Corporation	A415	G	0.001	0.072	0.072
Highlands	6031	PAI Lake Placid Groves LLC	A415	G	1.582	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	0.067	0.093	0.093
Highlands	6147	Sree Govardhan LLC	A415	G	0.219	0.240	0.240
Highlands	6154	Buck Lake Citrus, Inc	A415	G	0.136	0.183	0.183
Highlands	6160	Aerorganic LLC	A415	G	0.000	0.099	0.099
Highlands	6162	Cow Slough, Inc	A415	G	0.021	0.464	0.464
Highlands	6165	Trigen Investments, LLC	A415	G	0.604	0.760	0.760
Highlands	6166	Smoak Groves, Inc	A415	G	0.172	0.217	0.217
Highlands	6167	Edward L. Smoak, Trustee of Revocable Trust	A415	G	0.103	0.166	0.166
Highlands	6172	Bear's Den Groves, Inc	A415	G	0.001	0.078	0.078
Highlands	6172	Bear's Den Groves, Inc	A415	S	0.000	0.078	0.078
Highlands	6173	Thelma C. Raley, Inc	A415	G	0.006	0.106	0.106
Highlands	6173	Thelma C. Raley, Inc	A415	S	0.025	0.106	0.106
Highlands	6176	Cow Slough, Inc	A415	G	0.400	0.620	0.620
Highlands	6176	Cow Slough, Inc	A415	S	0.034	0.620	0.620
Highlands	6179	Smoak Groves Inc	A415	G	0.139	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	0.059	0.117	0.117
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	G	0.584	5.191	5.191
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	S	2.891	5.191	5.191
Highlands	6211	Ben Hill Griffin, Inc	A415	G	0.038	0.275	0.275
Highlands	6234	Smoak Groves, Inc	A415	G	0.064	0.095	0.095
Highlands	6320	Davis Enterprises, Inc	A415	G	0.207	0.277	0.277
Highlands	6409	Perry Cattle, LLC	A415	G	0.006	0.223	0.223
Highlands	6432	Heartland Park LLC	A415	G	0.000	0.120	0.120
Highlands	6516	Carl Wilburn	A415	G	0.052	0.154	0.154
Highlands	6827	PAI Lake Placid Groves LLC	A415	G	0.213	0.235	0.235
Highlands	6957	Scarborough Investments, Inc	A415	G	0.000	0.414	0.414

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	7111	Griffin Family Limited Partnership	A415	G	0.019	0.173	0.173
Highlands	7112	Emmett & Arost Groves, LLC	A415	G	0.018	0.114	0.114
Highlands	7485	Windmill Farms Nurseries, Inc	A415	G	0.116	0.269	0.269
Highlands	7515	South Florida Sod, Inc	A525	G	0.013	0.319	0.319
Highlands	7540	Trust Fund Of The State Of Florida	A415	G	0.000	0.314	0.314
Highlands	7580	Beck Agricultural Holdings, LLLP	A415	G	0.153	0.451	0.451
Highlands	7682	Perry Mason Groves, Inc	A415	G	0.014	0.103	0.103
Highlands	7693	Lo Brothers Enterprises Inc	A415	G	0.000	0.063	0.063
Highlands	7874	JJW Inc	A415	G	0.202	0.148	0.148
Highlands	8136	Crutchfield Groves, Inc	A415	G	0.123	0.231	0.231
Highlands	8268	Crutchfield Groves, Inc	A410	G	0.170	0.325	0.325
Highlands	8298	James Dubose	A460	G	0.032	0.037	0.037
Highlands	8394	Glenn O Murphy Partnership Ltd	A415	G	0.021	0.169	0.169
Highlands	8442	Lettuce Creek Cattle Co.& Ridgeland Ag Corp	A415	S	0.005	0.395	0.395
Highlands	8787	Stephens Groves, Inc	A415	G	0.025	0.269	0.269
Highlands	8868	Rafter T. Realty Inc	A525	G	0.000	0.271	0.271
Highlands	8957	Dressel Groves, Inc	A415	G	0.048	0.200	0.200
Highlands	9124	Pyrus Agricultural LLC	A470	G	0.014	0.355	0.355
Highlands	9167	Bob Paul, Inc	A415	G	0.000	0.193	0.193
Highlands	9174	Davis Enterprises, Inc	A415	G	0.152	0.177	0.177
Highlands	9211	Russell Grove North, Inc	A415	G	0.115	0.128	0.128
Highlands	9302	PAI Lake Placid Groves LLC	A415	G	1.349	2.006	2.006
Highlands	9380	J W Yonce & Sons Farms Inc	A415	G	0.000	0.102	0.102
Highlands	9627	Hauptmann & Thompson Company Inc	A415	G	0.093	0.171	0.171
Highlands	9710	Thelma C. Raley, Inc	A415	G	0.194	0.188	0.188
Highlands	9814	Charles P. Lykes Jr Rev. Trust	A415	G	0.000	0.120	0.120
Highlands	10027	Quality Turf LC	A525	G	0.352	0.418	0.418
Highlands	10078	The Machado Family Limited Partnership No. 1	A415	G	0.144	0.316	0.316
Highlands	10645	Perry Cattle, LLC	A415	G	0.059	0.174	0.174
Highlands	10676	Craig J. Griffith Rev. Living Trust	A415	G	0.101	0.103	0.103
Highlands	11077	MMM AG Enterprises, LLC	A415	G	0.072	0.120	0.120
Highlands	11089	DP Partners Ltd & PGP Partners Ltd	A415	G	0.002	0.186	0.186
Highlands	11142	Perry Brothers General Partnership	A415	G	0.033	0.115	0.115
Highlands	11379	J. Ned & Tammy J. Hancock	A415	G	0.112	0.118	0.118

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	11461	Barbara and Stephen Bullard	A415	G	0.139	0.189	0.189
Highlands	11724	Smoak Groves Inc	A415	G	0.137	0.227	0.227
Highlands	12022	Goodfellas Land & Citrus, LLC	A415	G	0.052	0.135	0.135
Highlands	12025	Peter Goldstein	A415	G	0.113	0.101	0.101
Highlands	12996	Jack Paul Properties, Inc	A415	G	0.000	0.224	0.224
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.000	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	0.270	0.425	0.425
Highlands	20054	Lake Placid Ranch Corp	A415	G	0.016	0.205	0.205
Highlands	20097	Robert Barben	A410	G	0.165	0.201	0.201
Highlands	20265	Peter A. Goldstein	A415	G	0.111	0.410	0.410
Highlands	20608	G & M Groves, Inc	A415	G	0.003	0.039	0.039
Highlands	20726	Southeast AG Management, LLC	A415	G	0.025	0.031	0.031
Highlands	20961	Compost USA of Highlands County, LLC	A460	G	0.000	0.047	0.047
Highlands County Totals					26.224	Metered, mgd	
					7.400	Estimated, mgd, 335 WUPs	
					33.624	Total, mgd	
Hillsborough	71	Charlie Grimes Farms, LLC	A410	G	0.000	0.020	0.020
Hillsborough	74	MS 55, LLC	A535	G	0.090	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	0.040	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	0.025	0.067	0.067
Hillsborough	119	Robert Parke	A44S	G	0.000	0.040	0.040
Hillsborough	119	Robert Parke	A44S	S	0.169	0.040	0.040
Hillsborough	120	Gator Creek Berry Farms, Inc	A535	G	0.069	0.132	0.132
Hillsborough	147	James R. and Jennie May Harwell	A58S	G	0.043	0.048	0.048
Hillsborough	162	Loop Farms, LLC	A56S	G	0.335	0.455	0.455
Hillsborough	179	E.W. Simmons, III and Carol Simmons	A535	G	0.175	0.188	0.188
Hillsborough	181	Helen Geraldine Mitchell	A535	G	0.011	0.071	0.071
Hillsborough	182	E. W. Simmons Farms, Inc	A58S	G	0.103	0.179	0.179
Hillsborough	192	Gracepoint Plant City	A410	G	0.009	0.018	0.015
Hillsborough	201	Trapnell Road Plant City, LLC	A535	G	0.074	0.105	0.105
Hillsborough	263	Carlton Family 2012 Irrevocable Trust	A535	G	0.108	0.164	0.164

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	274	John D Lawrence Trustee	A535	G	0.108	0.110	0.110
Hillsborough	277	Gary R & Terri L Parke	A56S	G	0.024	0.080	0.080
Hillsborough	286	Kenneth Alred	A44S	G	0.050	0.123	0.123
Hillsborough	289	Michael Shaw	A480	G	0.000	0.041	0.041
Hillsborough	360	Astin Strawberry Property Management LLC	A535	G	0.000	2.241	2.241
Hillsborough	360	Astin Strawberry Property Management LLC	A535	S	0.045	2.241	2.241
Hillsborough	362	Ruby Jean Redman	A535	G	0.020	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	0.060	0.028	0.028
Hillsborough	381	G & G Farms, LLC	A535	G	0.078	0.107	0.107
Hillsborough	390	Sweet Life Farms, LLC	A535	G	0.290	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	0.044	0.048	0.048
Hillsborough	495	Bonnie Faye Wetherington Trust	A535	G	0.033	0.159	0.159
Hillsborough	500	Lacey Blue Farms, LLC	A50F	G	0.046	0.082	0.082
Hillsborough	522	William and Stephanie Keene	A635	G	0.027	0.169	0.169
Hillsborough	522	William and Stephanie Keene	A635	S	0.009	0.169	0.169
Hillsborough	526	Strawberry Red Ranch LLC	A535	G	0.147	0.340	0.340
Hillsborough	530	William Keene	A535	G	0.004	0.070	0.070
Hillsborough	534	Farkas Groves, Inc	A415	G	0.000	0.031	0.031
Hillsborough	535	Farkas Groves, Inc	A410	G	0.063	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	0.054	0.039	0.039
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	S	0.016	0.039	0.039
Hillsborough	605	Virginia A & Edward Zagar	A535	G	0.021	0.016	0.016
Hillsborough	655	Farmland Reserve Inc	A56S	G	0.036	0.693	0.693
Hillsborough	656	Suburban Land Preserve Inc	A56S	G	0.000	0.940	0.940
Hillsborough	659	Farmland Reserve, Inc	A465	G	1.124	1.940	1.940
Hillsborough	659	Farmland Reserve, Inc	A465	S	0.000	1.940	1.940
Hillsborough	660	Farmland Reserve, Inc	A56S	G	0.127	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

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	689	Hillsborough County School Board	A535	G	0.003	0.142	0.003
Hillsborough	739	Three Star Farms Inc	A535	G	0.221	0.369	0.369
Hillsborough	739	Three Star Farms Inc	A535	S	0.000	0.369	0.369
Hillsborough	760	Bugg Road Development LLC	A655	G	0.466	0.237	0.237
Hillsborough	770	Franklin Properties of Hillsborough County, LLC	A655	G	0.056	0.183	0.183
Hillsborough	786	Kareyann Ellison	A655	G	0.005	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	0.077	0.103	0.103
Hillsborough	836	Elias & Lorena Gutierrez	A535	G	0.068	0.071	0.071
Hillsborough	836	Elias & Lorena Gutierrez	A535	S	0.000	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	0.017	0.042	0.042
Hillsborough	865	Marcus & Frances Williamson Family, LLC	A56S	G	0.098	0.187	0.187
Hillsborough	870	Blanche S Oswald Revocable Trust	A535	G	0.044	0.053	0.053
Hillsborough	880	Fidel and Hilda Castillo	A535	G	0.000	0.312	0.312
Hillsborough	891	Sam Astin III & Buffy S Astin	A535	G	0.122	0.163	0.163
Hillsborough	906	EST Properties, LLC	A535	G	0.008	0.042	0.042
Hillsborough	953	Cameron Citrus Corp	A415	G	0.010	0.084	0.084
Hillsborough	953	Cameron Citrus Corp	A415	S	0.002	0.084	0.084
Hillsborough	969	Uy Q Tran, Tris D. Tran, and Hang Ngo	A470	G	0.035	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	1.779	2.498	2.498
Hillsborough	992	Hoang Le	A615	G	0.013	0.025	0.025
Hillsborough	1057	Sri Sai Ayyappa LLC	A535	G	0.132	0.498	0.498
Hillsborough	1063	Adkins Land Holdings, LLC	A535	G	0.000	0.096	0.096
Hillsborough	1067	M.D. Council & Sons, Inc	A535	G	0.124	0.212	0.212
Hillsborough	1130	Astin Strawberry Property Management LLC	A535	G	0.076	0.106	0.106
Hillsborough	1217	GloFish, LLC c/o Spectrum Brands, Inc	L661	G	0.181	0.195	0.195
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	G	0.153	0.235	0.235
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	S	0.006	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	0.022	0.074	0.074
Hillsborough	1432	Three Star Farms Inc	A51S	S	0.000	0.074	0.074

2023 ESTIMATED WATER USE REPORT

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Hillsborough	1444	G & G Farms, LLC	A535	G	0.151	0.245	0.245
Hillsborough	1444	G & G Farms, LLC	A535	S	0.037	0.245	0.245
Hillsborough	1445	Sweet Life Farms, LLC	A535	G	0.097	0.069	0.069
Hillsborough	1446	Patoo Enterprises Inc	A535	G	0.000	0.030	0.030
Hillsborough	1451	L & J Citrus and Cattle LLC	A415	G	0.016	0.087	0.087
Hillsborough	1464	Farkas Investments, Inc	A480	G	0.144	0.036	0.036
Hillsborough	1489	Flat Land, Inc	A535	G	0.026	0.033	0.033
Hillsborough	1504	Freda Dukes Schofield As Trustee	A470	G	0.055	0.104	0.104
Hillsborough	1544	Double Screen Associates, LLLP	A495	G	0.000	0.089	0.089
Hillsborough	1544	Double Screen Associates, LLLP	A495	S	0.000	0.089	0.089
Hillsborough	1575	Albert Quagliani Life Estate	A535	G	0.069	0.073	0.073
Hillsborough	1577	Shade Tree Investment Properties, LLC	A535	G	0.051	0.094	0.094
Hillsborough	1577	Shade Tree Investment Properties, LLC	A535	S	0.015	0.094	0.094
Hillsborough	1626	Albert M. Quagliani Trust Agreement	A535	G	0.077	0.140	0.140
Hillsborough	1628	Ray K. Drawdy Revocable Living Trust	A58S	G	0.000	0.105	0.105
Hillsborough	1629	Ruis and Linda Drawdy	A58S	G	0.000	0.065	0.065
Hillsborough	1629	Ruis and Linda Drawdy	A58S	S	0.000	0.065	0.065
Hillsborough	1650	G & G Farms, LLC	A535	G	0.600	0.088	0.088
Hillsborough	1782	Tampa Electric Company	A56S	G	0.000	0.364	0.364
Hillsborough	1836	Rood Family Limited Partnership	A56S	G	0.385	1.873	1.873
Hillsborough	1839	Frank Diehl	A410	G	0.016	0.112	0.112
Hillsborough	1840	Berry Bay Community Development District	A525	G	0.067	0.132	0.073
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	0.086	0.330	0.330
Hillsborough	1956	Varnum Family LTD Partnership	A490	G	0.067	0.173	0.173
Hillsborough	1960	University Of South Florida	A480	G	0.023	2.364	0.027
Hillsborough	1960	University Of South Florida	A480	S	0.000	2.364	0.027
Hillsborough	1995	Victoria Goodson	A535	G	0.158	0.080	0.080
Hillsborough	2133	A.H. and Patricia Varnum LTD Partnership	A535	G	0.116	0.286	0.286
Hillsborough	2189	Daniel and Blanca Gutierrez	A535	G	0.039	0.065	0.065
Hillsborough	2197	Lee Te Kim, LLC	A56F	G	0.034	0.353	0.353
Hillsborough	2205	Mathis Land Group, LLC	A535	G	0.030	0.027	0.027
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

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	2292	Darryl Williams	A535	G	0.070	0.120	0.120
Hillsborough	2321	Griffin Investment Properties, Ltd	A535	G	0.023	0.135	0.135
Hillsborough	2322	Griffin Investment Properties, Ltd	A535	G	0.000	0.035	0.035
Hillsborough	2391	The Bailey Family Foundation of Tampa Inc	A535	G	0.036	0.051	0.051
Hillsborough	2395	George Kunchandy	A535	G	0.068	0.091	0.091
Hillsborough	2486	Circle G Farm & Ranch, LLC	A535	G	0.359	0.412	0.412
Hillsborough	2516	Astin Strawberry Property Management, LLC	A655	G	0.102	0.236	0.236
Hillsborough	2541	Marlene Mathews, Trustee	A535	G	0.036	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	0.002	0.041	0.041
Hillsborough	2564	MadMac Property Holdings, LLC	A535	G	0.102	0.213	0.213
Hillsborough	2565	Astin Strawberry Property Management, LLC	A470	G	0.000	0.177	0.177
Hillsborough	2565	Astin Strawberry Property Management, LLC	A470	S	0.000	0.177	0.177
Hillsborough	2566	Hakeem Investments Florida, LLLP	A445	G	0.000	0.077	0.077
Hillsborough	2576	Holly Lane Tree Farm, LLC	A535	G	0.062	0.080	0.080
Hillsborough	2581	Sea Breeze Investments, LLC	A535	G	0.172	0.304	0.304
Hillsborough	2654	Astin Strawberry Property Management, LLC	A535	G	0.239	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	0.199	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	0.053	1.897	1.897
Hillsborough	2714	Hillsborough County BOCC	A525	S	0.005	1.897	1.897
Hillsborough	2719	Larry & Judith Ennis	A535	G	0.020	0.027	0.027
Hillsborough	2719	Larry & Judith Ennis	A535	S	0.005	0.027	0.027
Hillsborough	2739	Hinton Enterprises of Sydney, Inc	A56S	G	0.065	0.092	0.092
Hillsborough	2768	Grimes Holdings, LLC	A535	G	0.005	0.079	0.079
Hillsborough	2944	Velma Newsome Rev. Trust	A535	G	0.022	0.036	0.036
Hillsborough	2945	Raymond Clint Stephens	A480	G	0.000	0.006	0.006
Hillsborough	2951	Lawrence Collins	A535	G	0.014	0.036	0.036
Hillsborough	2963	Trapnell Road Plant City, LLC	A655	G	0.000	0.153	0.153
Hillsborough	2963	Trapnell Road Plant City, LLC	A655	S	0.024	0.153	0.153
Hillsborough	3011	Mark Baker	A535	G	0.000	0.047	0.047
Hillsborough	3055	Speedling, Inc	A480	G	0.046	0.213	0.213
Hillsborough	3055	Speedling, Inc	A480	S	0.011	0.213	0.213

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	3057	Ocean Breeze Properties LLC	A470	G	0.252	0.280	0.280
Hillsborough	3100	Jones Potato Farm, Inc	A415	G	0.077	0.085	0.085
Hillsborough	3107	Sweet Life Farms, LLC	A535	G	0.242	0.096	0.096
Hillsborough	3108	The Bryant Family Trust	A470	G	0.021	0.035	0.035
Hillsborough	3123	G & G Farms, LLC	A535	G	0.087	0.223	0.223
Hillsborough	3217	Strawberry Red Ranch LLC	A535	G	0.179	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	0.289	0.598	0.598
Hillsborough	3251	Glenn and Sarah Williamson Family, LLC	A535	S	0.076	0.598	0.598
Hillsborough	3293	Alderman Taylor Gloria G. et al.	A56S	G	0.000	0.022	0.022
Hillsborough	3313	Martin & Griselda Chavez	A535	G	0.054	0.094	0.094
Hillsborough	3317	Andrew B & Marcella J Scott	A415	G	0.000	0.019	0.019
Hillsborough	3330	5-D Tropical Inc	A485	G	0.055	0.098	0.098
Hillsborough	3355	Paula Fritz	A535	G	0.027	0.082	0.082
Hillsborough	3386	Tampa Electric Company	A535	G	0.157	0.111	0.111
Hillsborough	3453	George H. & Patricia A. Sprouse	A535	G	0.000	0.032	0.032
Hillsborough	3453	George H. & Patricia A. Sprouse	A535	S	0.013	0.032	0.032
Hillsborough	3485	Ralph Randall Jr	A535	G	0.000	0.087	0.087
Hillsborough	3562	Mark Topp	A415	G	0.012	0.009	0.009
Hillsborough	3578	Jean Fulford	A480	G	0.016	0.150	0.150
Hillsborough	3596	Sweet Life Farms, LLC	A535	G	0.048	0.070	0.070
Hillsborough	3615	Astin Strawberry Property Management LLC	A410	G	0.098	0.106	0.106
Hillsborough	3652	George H. & Patricia A. Sprouse	A535	G	0.057	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	0.136	0.375	0.375
Hillsborough	3716	Donn W & Janet L Goodson	A535	G	0.059	0.122	0.122
Hillsborough	3718	D Carlton jr/P Thomas Cattle, LLC	A655	G	0.024	0.113	0.113
Hillsborough	3718	D Carlton jr/P Thomas Cattle, LLC	A655	S	0.000	0.113	0.113
Hillsborough	3725	Ferris S. and Peggy A. Waller	A535	G	0.050	0.092	0.092
Hillsborough	3892	Pate Family Partnership	A470	G	0.039	0.065	0.065
Hillsborough	3997	Marvin G. & Linda S. Brown, Trustees	A470	G	0.119	0.123	0.123
Hillsborough	4004	MG & SF Williamson Family, LLC	A56S	G	0.074	0.114	0.114
Hillsborough	4261	Loop Farms, LLC	A535	G	0.361	0.576	0.576
Hillsborough	4261	Loop Farms, LLC	A535	S	0.000	0.576	0.576

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	4363	Gerald Williams	A535	G	0.014	0.024	0.024
Hillsborough	4421	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.563	0.719	0.719
Hillsborough	4483	Fresh Pak Produce, Inc	A470	G	0.081	0.118	0.118
Hillsborough	4485	Michael Perry	A415	G	0.000	0.014	0.014
Hillsborough	4512	Bret and Krister Hudas	A410	G	0.002	0.012	0.012
Hillsborough	4522	G & D Farms, Inc	A535	G	0.020	0.038	0.038
Hillsborough	4536	Dover Land, LLC	A535	G	0.105	0.216	0.216
Hillsborough	4622	Sweet Life Farms, LLC	A535	G	0.034	0.044	0.044
Hillsborough	4640	Sam Astin, III	A535	G	0.089	0.086	0.086
Hillsborough	4689	301 Wimauma, LLC	A525	G	0.142	0.312	0.312
Hillsborough	4714	Tampa Electric Company	A535	G	0.000	0.429	0.429
Hillsborough	4716	Hawk Produce, Inc	A635	G	0.057	0.085	0.085
Hillsborough	4723	Berkshire Investments	A651	G	0.089	0.390	0.390
Hillsborough	4748	William Keene	A535	G	0.108	0.135	0.135
Hillsborough	4758	MS 58, LLC	A535	G	0.017	0.079	0.079
Hillsborough	4778	Tomberly Farms, LLC	A535	G	0.047	0.077	0.077
Hillsborough	4821	Sydney Farms, Inc	A470	G	0.134	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	0.067	0.100	0.100
Hillsborough	4829	Alafia Berry Farms, LLC	A535	S	0.019	0.100	0.100
Hillsborough	4830	Merced and Deyanira Chavez	A58S	G	0.002	0.161	0.161
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	G	0.034	0.179	0.179
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	S	0.000	0.179	0.179
Hillsborough	4878	Larry & Judith Ennis	A635	G	0.045	0.082	0.082
Hillsborough	4961	Harvey Carr	A651	G	0.000	0.082	0.082
Hillsborough	4961	Harvey Carr	A651	S	0.007	0.082	0.082
Hillsborough	4996	Sea Breeze Investments, LLC	A470	G	0.000	0.328	0.328
Hillsborough	4996	Sea Breeze Investments, LLC	A470	S	0.000	0.328	0.328
Hillsborough	5204	Glenn & Frances Williamson	A535	G	0.080	0.095	0.095
Hillsborough	5237	Fidel & Hilda Castillo	A470	G	0.050	0.179	0.179
Hillsborough	5248	Stine Family Partnership, Ltd	A535	G	0.002	0.063	0.063
Hillsborough	5250	Charles G. Grimes Revocable Trust	A535	G	0.045	0.051	0.051
Hillsborough	5258	MS 58, LLC	A655	G	0.072	0.152	0.152
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	G	0.261	0.219	0.219

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	S	0.110	0.219	0.219
Hillsborough	5386	MS 61, LLC	A535	G	0.095	0.233	0.233
Hillsborough	5386	MS 61, LLC	A535	S	0.000	0.233	0.233
Hillsborough	5397	McIntosh Road Dover, LLC	A58S	G	0.079	0.186	0.186
Hillsborough	5429	Lee Gillman Jr. and Dixie Varum Gillman	A535	G	0.019	0.102	0.102
Hillsborough	5429	Lee Gillman Jr. and Dixie Varum Gillman	A535	S	0.031	0.102	0.102
Hillsborough	5787	Haynes Rd, LLC	A535	G	0.131	0.232	0.232
Hillsborough	5787	Haynes Rd, LLC	A535	S	0.112	0.232	0.232
Hillsborough	6043	Orange Blossom At Stonelake LLC	A415	G	0.000	0.057	0.057
Hillsborough	6060	Hillsborough County BOCC	A525	G	0.000	0.082	0.082
Hillsborough	6095	Frances M. White	A535	G	0.172	0.253	0.253
Hillsborough	6100	City of Tampa	L715	G	0.002	0.181	0.003
Hillsborough	6130	MS 61, LLC	A535	G	0.072	0.098	0.098
Hillsborough	6138	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.062	0.051	0.051
Hillsborough	6209	Homer Wall	A535	G	0.012	0.034	0.034
Hillsborough	6217	Palma Ceia Golf and Country Club, Inc	A455	G	0.011	0.231	0.008
Hillsborough	6238	Trapnell Road Plant City, LLC	A56S	G	0.077	0.174	0.174
Hillsborough	6266	MS 55, LLC	A535	G	0.000	0.112	0.112
Hillsborough	6266	MS 55, LLC	A535	S	0.016	0.112	0.112
Hillsborough	6313	BBS Farms, Inc	A470	G	0.000	0.262	0.262
Hillsborough	6313	BBS Farms, Inc	A470	S	0.114	0.262	0.262
Hillsborough	6323	Terry Neal & Colleen Gail Fulton	A57F	G	0.027	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	0.137	0.249	0.249
Hillsborough	6337	G. Marvin Brown Revocable Trust	A535	S	0.083	0.249	0.249
Hillsborough	6341	Cali Investments, LLC	A535	G	0.010	0.038	0.038
Hillsborough	6348	Dwight and Mary Aman	A535	G	0.056	0.101	0.101
Hillsborough	6360	Tampa Electric Company	A56S	G	0.000	0.104	0.104
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	G	0.000	0.170	0.170
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	S	0.000	0.170	0.170
Hillsborough	6421	Jamie and Amanda Bell	A535	G	0.014	0.032	0.032
Hillsborough	6427	Jeanette Bennett, Trustee	A535	G	0.004	0.048	0.048
Hillsborough	6428	Astin Strawberry Property Management, LLC	A535	G	0.055	0.089	0.089
Hillsborough	6428	Astin Strawberry Property Management, LLC	A535	S	0.000	0.089	0.089

2023 ESTIMATED WATER USE REPORT

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Hillsborough	6443	Midway Farms, LLC	A470	G	0.103	0.211	0.211
Hillsborough	6449	Leatrice Kinard Richardson	A535	G	0.020	0.100	0.100
Hillsborough	6470	Donald & Katherine Soddors	A535	G	0.028	0.027	0.027
Hillsborough	6479	Betty Astin, Trustee	A535	G	0.032	0.053	0.053
Hillsborough	6479	Betty Astin, Trustee	A535	S	0.013	0.053	0.053
Hillsborough	6480	Betty Astin, Trustee	A535	G	0.093	0.164	0.156
Hillsborough	6480	Betty Astin, Trustee	A535	S	0.009	0.164	0.156
Hillsborough	6500	Tommy Gillman, Jr. and Tommy Gillman, III	A44S	G	0.035	0.040	0.040
Hillsborough	6523	Loop Farms, LLC	A470	G	0.000	0.169	0.169
Hillsborough	6525	Mana Vuru, LLC	A58H	G	0.004	0.052	0.052
Hillsborough	6534	Simmons Properties, LLC	A415	G	0.000	0.025	0.025
Hillsborough	6541	James S Nahas as Trustee of the Nahas Family Living Trust	A655	G	0.023	0.075	0.075
Hillsborough	6563	Scott And Susan Dumke	A410	G	0.050	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	A535	G	0.667	0.161	0.161
Hillsborough	6627	George J. Peterson	A535	G	0.065	0.050	0.050
Hillsborough	6678	Farmland Reserve, Inc	A655	G	0.304	0.382	0.382
Hillsborough	6694	Michael Sayre	A535	G	0.000	0.024	0.024
Hillsborough	6708	Strawberry Red Ranch LLC	A535	G	0.024	0.181	0.181
Hillsborough	6743	Jimmy Garrison	A58S	G	0.034	0.044	0.044
Hillsborough	6748	Mary M Eppard	A535	G	0.010	0.022	0.022
Hillsborough	6767	Grady & Marie B. Harrell	A470	G	0.012	0.082	0.082
Hillsborough	6767	Grady & Marie B. Harrell	A470	S	0.087	0.082	0.082
Hillsborough	6768	William Kipling Keene, Trustee	A535	G	0.012	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	0.045	0.130	0.130
Hillsborough	6809	Astin Strawberry Property Management, LLC	A470	S	0.103	0.130	0.130
Hillsborough	6817	Vivian C Patisaul, Trustee The Patisaul Family Trust	A58S	G	0.084	0.065	0.065
Hillsborough	6825	Darryl Williams	A535	G	0.030	0.035	0.035
Hillsborough	6831	Astin Strawberry Property Management, LLC	A535	G	0.046	0.061	0.061
Hillsborough	6849	Harold and Martha Fisher Rev Trust	A535	G	0.008	0.036	0.036
Hillsborough	6851	Robert M & Mary Jane Rogers	A480	G	0.082	0.276	0.276

2023 ESTIMATED WATER USE REPORT

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Hillsborough	6860	Corrie Leroy Lariscy	A535	G	0.032	0.058	0.058
Hillsborough	6860	Corrie Leroy Lariscy	A535	S	0.000	0.058	0.058
Hillsborough	6892	301 Wimauma, LLC	A56S	G	0.000	0.532	0.532
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	G	0.093	0.059	0.059
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	S	0.006	0.059	0.059
Hillsborough	7007	Astin Strawberry Property Management, LLC	A535	G	0.038	0.031	0.031
Hillsborough	7032	Stephen Schmidt	A535	G	0.059	0.092	0.092
Hillsborough	7032	Stephen Schmidt	A535	S	0.000	0.092	0.092
Hillsborough	7035	BBS Farms, Inc	A470	G	0.087	0.216	0.216
Hillsborough	7049	G & G Farms, LLC	A535	G	0.044	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	0.044	0.146	0.146
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	G	0.044	0.130	0.130
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	S	0.000	0.130	0.130
Hillsborough	7060	Charlie Grimes Farms, LLC	A535	G	0.010	0.016	0.016
Hillsborough	7082	Robert L and Barbara A Carter, Trustees	A535	G	0.081	0.139	0.139
Hillsborough	7083	Astin Strawberry Property Management, LLC	A655	G	0.067	0.032	0.032
Hillsborough	7084	Wish Farms Land Holdings, LLC	A535	G	0.022	0.037	0.037
Hillsborough	7102	Helen A. Parke Revocable Trust	A535	G	0.144	0.154	0.154
Hillsborough	7117	Ag Metrics Group, Inc	A58S	G	0.093	0.139	0.139
Hillsborough	7118	Charlie Grimes Farms, LLC	A535	G	0.057	0.076	0.076
Hillsborough	7150	John Bugg	A535	G	0.017	0.028	0.028
Hillsborough	7183	West Properties, Inc	A490	G	0.042	0.092	0.092
Hillsborough	7184	Manit and Nussara Piluek Life Estates	A445	G	0.005	0.014	0.014
Hillsborough	7190	Dennis & Linda L Spivey	A535	G	0.173	0.209	0.209
Hillsborough	7232	Frances White	A535	G	0.052	0.307	0.307
Hillsborough	7232	Frances White	A535	S	0.000	0.307	0.307
Hillsborough	7239	Riverview Flower Farm Partnership	A480	G	0.061	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	0.118	0.146	0.146
Hillsborough	7322	William Stanford Fortner	A535	G	0.000	0.026	0.026
Hillsborough	7374	Willaford Edna Sue Trustee	A415	G	0.000	0.007	0.007
Hillsborough	7405	Mathis Land Group, LLC	A645	G	0.004	0.038	0.038
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	G	0.289	0.528	0.528

2023 ESTIMATED WATER USE REPORT

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Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	S	0.000	0.528	0.528
Hillsborough	7422	David & Joyce Stanaland Family Trust	A410	G	0.000	0.015	0.015
Hillsborough	7451	Astin Strawberry Property Management, LLC	A535	G	0.590	0.615	0.615
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	0.044	0.060	0.060
Hillsborough	7467	Arthur Earl Staggs	A535	G	0.047	0.091	0.091
Hillsborough	7486	C.W. and Betty L. Dukes	A535	G	0.022	0.017	0.017
Hillsborough	7511	Sabrina J. Huggins	A410	G	0.000	0.018	0.018
Hillsborough	7512	Patricia Elliott	A535	G	0.000	0.097	0.097
Hillsborough	7512	Patricia Elliott	A535	S	0.000	0.097	0.097
Hillsborough	7579	Sea Breeze Investments, 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	0.029	0.106	0.106
Hillsborough	7642	Velma Ruth Johnson	A51S	S	0.037	0.106	0.106
Hillsborough	7715	Cameron Citrus Corp	A51S	G	0.000	0.040	0.040
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	0.007	0.100	0.100
Hillsborough	7770	Fidel & Hilda Castillo	A535	G	0.324	0.220	0.220
Hillsborough	7770	Fidel & Hilda Castillo	A535	S	0.064	0.220	0.220
Hillsborough	7782	Closshey South 39 Farm, LLC	A535	G	0.040	0.081	0.081
Hillsborough	7820	Pam Dapson	A410	G	0.000	0.007	0.007
Hillsborough	7880	MS 58, LLC	A51S	G	0.052	0.123	0.123
Hillsborough	7895	GDK Land Trust	A480	G	0.081	0.347	0.347
Hillsborough	7922	Sizemore Properties, LLC	A410	G	0.059	0.027	0.027
Hillsborough	7978	Joseph R Goodson & Donna Jo Goodson	A535	G	0.013	0.027	0.027
Hillsborough	7984	Richard and Stacy DelCastillo	A535	G	0.034	0.016	0.016
Hillsborough	7993	Dale Lewis	A480	G	0.026	0.020	0.020
Hillsborough	8015	George and Patricia Sprouse	A535	G	0.044	0.029	0.029
Hillsborough	8016	Dooley Groves Inc	A415	G	0.022	0.034	0.034
Hillsborough	8036	Marlyn and Melissa 2009 Trust	A535	G	0.242	0.440	0.440
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	G	0.053	0.197	0.197
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	S	0.016	0.197	0.197

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	8077	Martin and Griselda Chavez	A470	G	0.063	0.119	0.119
Hillsborough	8110	Karon Corner, Successor Trustee of Rev Trust	A535	G	0.006	0.038	0.038
Hillsborough	8121	William Bailey	A410	G	0.000	0.009	0.009
Hillsborough	8138	OJ Family Farms, LLC	A535	G	0.060	0.062	0.062
Hillsborough	8161	Gregory & Jennifer Shiver	A480	G	0.010	0.026	0.026
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	G	0.042	0.066	0.066
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	S	0.000	0.066	0.066
Hillsborough	8173	Astin Strawberry Property Management, LLC	A535	G	0.133	0.228	0.228
Hillsborough	8195	Marilyn and Melissa 2009 Trust	A535	G	0.459	0.312	0.312
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	G	0.005	0.144	0.144
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	S	0.088	0.144	0.144
Hillsborough	8342	Loop Farms, LLC	A535	G	0.212	0.498	0.489
Hillsborough	8342	Loop Farms, LLC	A535	S	0.000	0.498	0.489
Hillsborough	8373	Haggard Living Trust	A480	G	0.038	0.055	0.055
Hillsborough	8373	Haggard Living Trust	A480	S	0.046	0.055	0.055
Hillsborough	8410	41 Ruskin, LLC	A487	G	0.242	0.156	0.156
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	G	0.043	0.149	0.149
Hillsborough	8445	Tampa Electric Company	A535	G	0.000	0.371	0.371
Hillsborough	8450	Farmland Reserve, Inc	A58S	G	1.463	3.546	3.546
Hillsborough	8490	Astin Strawberry Property Management	A535	G	0.045	0.058	0.058
Hillsborough	8492	Ruis L, Linda J, David L, and Marcie K Drawdy	L660	G	0.181	0.254	0.254
Hillsborough	8497	Eljay Properties, LLP	L660	G	0.000	0.475	0.475
Hillsborough	8563	The T.G. and Laverne Robinson Family Partnership, LTD	A495	G	0.006	0.081	0.056
Hillsborough	8574	Pleasant/Wimauma Groves Ltd	A415	G	0.079	0.058	0.058
Hillsborough	8576	Effat Youssef Revocable Trust	A415	G	0.000	0.020	0.020
Hillsborough	8591	Richard A & Francine J Grewe	A415	G	0.000	0.011	0.011
Hillsborough	8674	Martin Chavez and Griselda Chavez, Husband & Wife	A535	G	0.139	0.096	0.096
Hillsborough	8686	Fresh Pak Produce, Inc	A535	G	0.014	0.082	0.082
Hillsborough	8687	William Kipling Keene, Trustee	A535	G	0.052	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	0.000	0.039	0.006
Hillsborough	8717	Hillsborough County School Board	A535	G	0.005	0.023	0.006
Hillsborough	8729	Farmland Reserve, Inc	A56S	G	0.631	1.064	1.064
Hillsborough	8793	Diaz Family Properties, LLC	L660	G	0.422	0.481	0.481

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	8810	Dale S. Wright Revocable Living Trust	A495	G	0.000	0.249	0.249
Hillsborough	8824	William & Barbara Bridges	A535	G	0.011	0.020	0.020
Hillsborough	8842	Dale Lewis	A480	G	0.056	0.042	0.042
Hillsborough	8842	Dale Lewis	A480	S	0.000	0.042	0.042
Hillsborough	8873	Sam Jr & Betty Astin	A535	G	0.128	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	0.100	0.181	0.181
Hillsborough	8916	Dale Lewis	A480	G	0.096	0.088	0.088
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	A535	G	0.001	0.027	0.025
Hillsborough	8983	Ricardo Aleman and Kathryn Watterson	A415	G	0.008	0.010	0.010
Hillsborough	8999	Hull Citrus Properties, Inc	A58S	G	0.175	0.301	0.301
Hillsborough	9019	Sea Breeze Investments, LLC	A470	G	0.094	0.177	0.177
Hillsborough	9024	Travis Council	A56S	G	0.099	0.112	0.112
Hillsborough	9056	Wendell Brantley, Trustee	A44S	G	0.067	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	0.219	0.452	0.452
Hillsborough	9224	The Charles G. Grimes, Sr. Family LTP	A535	G	0.275	0.299	0.299
Hillsborough	9238	Jose A & Teresa Chavez Hernandez	A535	G	0.017	0.052	0.052
Hillsborough	9278	Elias & Lorena Gutierrez	A535	G	0.021	0.044	0.044
Hillsborough	9286	Sea Breeze Investments, LLC	A535	G	0.001	0.014	0.014
Hillsborough	9315	Wilmer E & Joyce Woodard	A535	G	0.019	0.022	0.022
Hillsborough	9323	Ag Housing Solutions, LLC	A655	G	0.065	0.053	0.053
Hillsborough	9456	Wanda M Stewart Trustee Uad 8-08	A535	G	0.054	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	0.017	0.052	0.052
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	G	0.448	0.581	0.581
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	S	0.009	0.581	0.581
Hillsborough	9598	Segrest, Inc	L661	G	0.075	0.086	0.086
Hillsborough	9611	Valle Del Sol Properties, LLC	A535	G	0.117	0.186	0.186
Hillsborough	9625	Uleric Eugene and Martha Cowart	A415	G	0.008	0.013	0.013
Hillsborough	9633	Wish Land Futch Loop, LLC	A535	G	0.159	0.336	0.336
Hillsborough	9655	Loop Farms, LLC	A480	G	0.082	0.106	0.106
Hillsborough	9658	Keel Farms, Inc	A410	G	0.028	0.065	0.062
Hillsborough	9658	Keel Farms, Inc	A410	S	0.000	0.065	0.062

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	9701	Branch's Ranch, Inc	A415	G	0.000	0.011	0.011
Hillsborough	9811	David R. & Joyce Stanaland Family Trust	A410	G	0.009	0.013	0.013
Hillsborough	9888	Fidel & Hilda Castillo	A535	G	0.018	0.047	0.047
Hillsborough	9908	M G and S F Williamson Family, LLC	A410	G	0.033	0.099	0.099
Hillsborough	9936	Wimauma Grove, LLC	A535	G	0.033	0.139	0.139
Hillsborough	9948	Loop Farms, LLC	A535	G	0.054	0.217	0.217
Hillsborough	9980	Michael & Jessica Young	A535	G	0.000	0.029	0.029
Hillsborough	10007	Sweet Life Farms, LLC	A535	G	0.036	0.310	0.310
Hillsborough	10007	Sweet Life Farms, LLC	A535	S	0.042	0.310	0.310
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A535	G	0.200	0.173	0.173
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A535	S	0.000	0.173	0.173
Hillsborough	10021	Eljay Properties, LLP	L661	G	0.299	0.450	0.450
Hillsborough	10038	Gator Creek Berry Farms, Inc	A635	G	0.040	0.068	0.068
Hillsborough	10066	Florida Acecapaders, Inc	L630	G	0.000	0.028	0.012
Hillsborough	10117	Donald M & Deborah L Balaban	A535	G	0.076	0.130	0.130
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	A470	G	0.013	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	0.075	0.093	0.093
Hillsborough	10165	Bruce Michael Lott	A58S	G	0.028	0.151	0.151
Hillsborough	10303	Jon Berry	A415	G	0.000	0.013	0.013
Hillsborough	10345	S & H Mathis, LLC	A535	G	0.188	0.115	0.115
Hillsborough	10354	Midway Farms, LLC	A535	G	0.017	0.037	0.037
Hillsborough	10356	Sumner Cattle Company, LLC	A525	G	0.000	0.153	0.153
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	0.050	0.073	0.073
Hillsborough	10431	Ronya Properties LLC	A58S	G	0.000	0.093	0.093
Hillsborough	10431	Ronya Properties LLC	A58S	S	0.004	0.093	0.093
Hillsborough	10461	Sea Breeze Investments, LLC	A535	G	0.078	0.232	0.232
Hillsborough	10466	Sun City Groves, Inc	A480	G	0.220	0.281	0.281
Hillsborough	10467	Dennis & Linda Spivey	A51S	G	0.019	0.040	0.040
Hillsborough	10486	Robert & Gwen Aman Revoc. Trust	A415	G	0.000	0.015	0.015
Hillsborough	10629	Antonio Gutierrez and Dora N Trevino	A535	G	0.010	0.022	0.022
Hillsborough	10654	Ellel Ministries USA Inc	A535	G	0.001	0.189	0.189

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	G	0.115	0.235	0.235
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	S	0.000	0.235	0.235
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	0.043	0.043	0.043
Hillsborough	10824	Keysville Road Plant City, LLC	A535	G	0.152	0.203	0.203
Hillsborough	10824	Keysville Road Plant City, LLC	A535	S	0.071	0.203	0.203
Hillsborough	10839	R and D Properties of Brandon, Inc	A535	G	0.022	0.015	0.015
Hillsborough	10876	Mac Greco, Jr	A525	G	0.040	0.040	0.040
Hillsborough	10911	Manuel Chavez-Gutierrez and Sandra M. Chavez	A535	G	0.027	0.053	0.053
Hillsborough	10939	Jo Alice F. McDonald	A655	G	0.009	0.047	0.047
Hillsborough	11048	Berkshire Investments, LLC	A535	G	0.032	0.029	0.029
Hillsborough	11102	Stine Family Partnership, LTD	A535	G	0.019	0.037	0.037
Hillsborough	11164	Ashlyn Gude	A535	G	0.199	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	0.014	0.010	0.010
Hillsborough	11390	Elias & Lorena Gutierrez	A535	G	0.068	0.237	0.237
Hillsborough	11390	Elias & Lorena Gutierrez	A535	S	0.000	0.237	0.237
Hillsborough	11457	Futch Properties Inc	A535	G	0.090	0.249	0.249
Hillsborough	11457	Futch Properties Inc	A535	S	0.000	0.249	0.249
Hillsborough	11474	Astin Strawberry Property Management, LLC	A535	G	0.594	0.273	0.273
Hillsborough	11491	Huntley Properties, LLC	A535	G	0.116	0.122	0.122
Hillsborough	11494	Dale Lewis	A480	G	0.238	0.125	0.125
Hillsborough	11508	The Conrad Family LP, Patricia & Raymond Conrad	A415	G	0.000	0.032	0.032
Hillsborough	11553	James R. & Cathy Ennis Townsend, Jr	A56S	G	0.000	0.070	0.070
Hillsborough	11661	C. Dennis Carlton Sr	A535	G	0.262	0.367	0.367
Hillsborough	11661	C. Dennis Carlton Sr	A535	S	0.101	0.367	0.367
Hillsborough	11679	James & Gina Silas	A651	G	0.006	0.028	0.028
Hillsborough	11726	Dale Lewis	A480	G	0.379	0.273	0.273
Hillsborough	11733	John & Inell White	A535	G	0.050	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	0.165	0.165
Hillsborough	11810	Everett F. and Sharon S. Prevatt	A470	S	0.000	0.165	0.165
Hillsborough	11916	Michael and Ricky Goodson	A655	G	0.148	0.288	0.288

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	11969	Grimes Holdings, LLC	A535	G	0.087	0.092	0.092
Hillsborough	12030	Sizemore Farms, Inc	A535	G	0.129	0.243	0.243
Hillsborough	12077	Cherri N. Clark	A535	G	0.015	0.027	0.027
Hillsborough	12212	60 Jerry Smith, LLC	A535	G	0.012	0.101	0.101
Hillsborough	12287	Neville Davis Jr.	A535	G	0.084	0.124	0.124
Hillsborough	12299	Leonides Rios, Carmela Leyva-Flores & Hector Riquiz-Leyva	A655	G	0.011	0.035	0.035
Hillsborough	12315	Robert H Parke & Peggy E Parke	A535	S	0.085	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	0.028	0.102	0.102
Hillsborough	12333	Arthur Earl Staggs	A480	G	0.007	0.026	0.026
Hillsborough	12338	Jorge Chavez	A645	G	0.007	0.025	0.025
Hillsborough	12350	James Austin Borchard	A535	G	0.007	0.133	0.133
Hillsborough	12361	DiMare Ruskin LLC	A56F	G	0.012	0.604	0.604
Hillsborough	12363	Fancy Farms, Inc	A535	G	0.023	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	0.029	0.072	0.072
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	G	0.024	0.088	0.088
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	S	0.027	0.088	0.088
Hillsborough	12452	Goodson Family, LLLP	A655	G	0.304	0.541	0.541
Hillsborough	12480	Montesco Group, LLC	A535	G	0.089	0.125	0.125
Hillsborough	12523	UF Institute of Food and Agricultural Sciences	A520	G	0.303	0.598	0.598
Hillsborough	12538	Floyd Williams and Ann Marie Williams Rev Trust Agreements	A410	G	0.000	0.048	0.048
Hillsborough	12639	WHS Land, LLC	A480	G	0.116	0.171	0.171
Hillsborough	12787	McIntosh Road Dover, LLC	A535	G	0.081	0.163	0.163
Hillsborough	12793	S&H Mathis, LLC	A58S	G	0.001	0.071	0.071
Hillsborough	12806	Mattie Louise Williams 2001 Trust; Darryl Williams, Trustee	A535	G	0.028	0.039	0.039
Hillsborough	12811	Alan E Hall, Trustee, Hall Family Irrevocable Trust	A535	G	0.010	0.029	0.029
Hillsborough	12819	Andrew E & Karen S Rogers	A535	G	0.035	0.041	0.041
Hillsborough	12821	Greg W. and Karen S. Lawson	A535	G	0.030	0.057	0.057
Hillsborough	12822	Fidel & Hilda Castillo	A51S	G	0.028	0.064	0.064
Hillsborough	12822	Fidel & Hilda Castillo	A51S	S	0.003	0.064	0.064
Hillsborough	12836	Razorback Ranch, LLC	A525	G	0.000	0.496	0.403
Hillsborough	12836	Razorback Ranch, LLC	A525	S	0.000	0.496	0.403
Hillsborough	12837	Delva W & Ruben Wallace Register	A535	G	0.039	0.062	0.062

2023 ESTIMATED WATER USE REPORT

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Hillsborough	12859	The Montesco Group, LLC	A535	G	0.023	0.028	0.028
Hillsborough	12883	L. O. Vickers	A655	G	0.012	0.034	0.034
Hillsborough	12935	Roger Gilford	A535	G	0.019	0.019	0.019
Hillsborough	12998	Carter Family Living Trust	A655	G	0.034	0.094	0.094
Hillsborough	13060	Gary A. Craig	A480	G	0.006	0.074	0.074
Hillsborough	13176	William Kipling Keene, Trustee	A535	G	0.029	0.043	0.043
Hillsborough	13296	J. Aprile Properties, LLC	A535	G	0.046	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	0.005	0.061	0.061
Hillsborough	20000	GLH-SR 60 25, LLC	A535	G	0.031	0.041	0.041
Hillsborough	20010	Raeann Randall	A535	G	0.022	0.022	0.022
Hillsborough	20010	Raeann Randall	A535	S	0.011	0.022	0.022
Hillsborough	20019	Astin Strawberry Property Management, LLC	A535	G	0.048	0.097	0.097
Hillsborough	20034	Innovative Land Management, LLC	A410	G	0.095	0.194	0.194
Hillsborough	20034	Innovative Land Management, LLC	A410	S	0.000	0.194	0.194
Hillsborough	20038	Carrie Lou Dorman as Trustee of the Carrie Lou Dorman Trust	A655	G	0.035	0.242	0.242
Hillsborough	20102	Talal Properties Ltd	A535	G	0.054	0.014	0.014
Hillsborough	20109	Astin Strawberry Property Management, LLC	A470	G	0.000	0.061	0.061
Hillsborough	20109	Astin Strawberry Property Management, LLC	A470	S	0.013	0.061	0.061
Hillsborough	20111	James S Nahas as Trustee of the Nahas Family Living Trust	A535	G	0.000	0.151	0.151
Hillsborough	20111	James S Nahas as Trustee of the Nahas Family Living Trust	A535	S	0.094	0.151	0.151
Hillsborough	20139	Rod Marvel	A470	G	0.000	0.045	0.045
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	0.010	0.031	0.031
Hillsborough	20161	Terry O. and Daphne C. Ballard	A535	G	0.424	0.076	0.076
Hillsborough	20181	Oak Hammock Ranch, LLC	A410	G	0.040	0.055	0.055
Hillsborough	20228	Aristeo and Esperanza Gutierrez and Millard C. Dubose Jr.	A535	S	0.006	0.015	0.015
Hillsborough	20229	Bobbie Ann and Charles D. Parrish Dec of Trusts	A535	G	0.055	0.051	0.051
Hillsborough	20231	Knights Griffin, LLC	A535	G	0.013	0.035	0.035
Hillsborough	20270	Charanji Duggal	A410	G	0.024	0.044	0.044
Hillsborough	20270	Charanji Duggal	A410	S	0.001	0.044	0.044
Hillsborough	20276	The Montesco Group, LLC	A470	G	0.042	0.048	0.048
Hillsborough	20277	Sizemore Properties, LLC.	A415	G	0.000	0.043	0.043

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	20310	Eljay Properties, LLP	L661	G	0.206	0.211	0.211
Hillsborough	20348	Visio Clara, LLC	A415	G	0.001	0.047	0.047
Hillsborough	20461	GLH Enterprises, LLLP	A470	G	0.072	0.295	0.295
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	0.025	0.063	0.063
Hillsborough	20515	Mathis Land Group, LLC	A535	G	0.013	0.028	0.028
Hillsborough	20571	William G. and Lenna Fay Stone	A535	G	0.015	0.007	0.007
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	G	0.486	1.752	1.673
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	S	0.000	1.752	1.673
Hillsborough	20593	Sweet Life Farms, LLC	A651	G	0.039	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	0.006	0.028	0.028
Hillsborough	20715	Alan Register	A51S	G	0.047	0.050	0.050
Hillsborough	20725	Airport and Hillsborough, LLC	A56S	G	0.389	0.410	0.410
Hillsborough	20823	Merced and Dee Chavez	A410	G	0.000	0.026	0.025
Hillsborough	20972	Jose A & Teresa Chavez Hernandez	A535	G	0.173	0.351	0.351
Hillsborough	20972	Jose A & Teresa Chavez Hernandez	A535	S	0.075	0.351	0.351
Hillsborough	21037	Sweet Life Farms, LL	A655	G	0.070	0.352	0.352
Hillsborough	21046	Hillsborough County	A495	G	0.000	0.250	0.250
Hillsborough County Totals					39.367	Metered, mgd	
					6.820	Estimated, mgd, 310 WUPs	
					46.187	Total, mgd	
Lake	1347	Tom Thayer Citrus Inc	A415	G	0.261	0.545	0.545
Lake	8090	Green Swamp Ranch LLC	A410	G	0.056	0.141	0.141
Lake	8090	Green Swamp Ranch LLC	A410	S	0.000	0.141	0.141
Lake County Totals					0.317	Metered, mgd	
					0.475	Estimated, mgd, 13 WUPs	
					0.792	Total, mgd	
Levy	5095	Williston Peanuts, Inc	A52S	G	0.816	2.057	2.057
Levy	5122	Whitehurst Cattle Company	A52S	G	0.121	2.198	2.198
Levy	5160	Sandlin Farms	A52S	G	0.147	1.017	1.017
Levy	8219	Damon & Sharon Sandlin	A52S	G	0.187	0.813	0.813
Levy	11008	Waldrep Enterprises LLLP	A495	G	0.010	0.985	0.985

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Levy	11026	Brown Pelican Farms LLC	A500	G	1.980	1.485	1.485
Levy	12579	Ryan Thomas	A450	G	0.000	1.140	1.140
Levy	13339	Marshall Tree Farm, Inc	A485	G	1.638	2.436	2.436
Levy County Totals					4.899	Metered, mgd	
					3.726	Estimated, mgd, 79 WUPs	
					8.625	Total, mgd	
Manatee	503	DFM Properties, LLC	A56F	G	0.175	0.875	0.866
Manatee	2933	4 Star Tomato, Inc	A515	G	0.656	1.339	1.339
Manatee	3417	Ag-Mart Produce, Inc	A56S	G	0.431	2.950	2.950
Manatee	3794	ESDA Realty, Inc	A525	G	0.001	0.340	0.340
Manatee	3796	Mosaic Fertilizer, LLC	A490	G	0.000	0.085	0.085
Manatee	3808	Cochin Country Club, LLC	A535	G	0.069	0.329	0.329
Manatee	3832	The Arlin Taylor Ranch Limited Partnership	A56F	G	0.318	0.598	0.598
Manatee	3838	CSPR LTD	A58S	G	0.000	0.231	0.231
Manatee	3847	L3 Partnership LLP dba L3 Farms	A56F	G	2.732	6.226	6.226
Manatee	3848	Dimare Homestead Inc	A56S	G	1.139	4.802	4.802
Manatee	3924	Northwest Manatee, LLC	A495	G	0.308	0.280	0.280
Manatee	3975	John Falkner, LLC	A56S	G	2.576	6.960	6.960
Manatee	4049	Marianna Lensky	A415	G	0.000	0.094	0.094
Manatee	4228	Waymat Florida Properties LLC	A415	G	0.238	0.281	0.281
Manatee	4307	Robinson Land Holdings Joint Venture	A525	G	0.371	0.410	0.410
Manatee	4309	CC Manatee Development LLC	A495	G	0.530	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	0.030	0.319	0.319
Manatee	4412	Riverview Grove Ltd	A525	G	1.196	1.708	1.708
Manatee	4412	Riverview Grove Ltd	A525	S	0.000	1.708	1.708
Manatee	4453	Mon Chou Peu Bull, LLC	A615	G	0.207	0.388	0.388
Manatee	4467	John Falkner, LLC	A56S	G	3.431	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	0.079	0.340	0.340
Manatee	4761	Johnson-Manatee Holdings, LLC	A415	S	0.022	0.340	0.340
Manatee	4780	William Cone Jr.	A58S	G	0.000	0.344	0.344

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	4789	Hunsader Farms, Inc	A56S	G	0.208	1.747	1.747
Manatee	5042	7978 Associates III, LLC	A485	G	0.020	0.094	0.084
Manatee	5058	McCarlton Partners Ltd	A525	G	0.000	0.466	0.466
Manatee	5309	Cargor PartnersVI-Buckeye 928 LC	A415	G	0.000	0.236	0.236
Manatee	5310	Port Manatee Land, LLC	A56F	G	0.129	0.196	0.196
Manatee	5384	Upper Manatee 288, LLC	A56S	G	0.245	0.375	0.375
Manatee	5423	Florida Power & Light Company	A470	G	0.180	0.882	0.810
Manatee	5444	Manatee County School District	A56S	G	0.000	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	0.005	2.421	2.421
Manatee	5462	Manatee Fruit Company	A415	G	0.000	0.146	0.146
Manatee	5512	Wauchula Road Duette, LLC	A535	G	1.162	2.125	2.125
Manatee	5512	Wauchula Road Duette, LLC	A535	S	0.000	2.125	2.125
Manatee	5514	McClure Properties, LTD	A56S	G	1.347	5.985	5.985
Manatee	5599	Merced and Deyanira Chavez	A470	G	0.053	0.300	0.300
Manatee	5617	Medallion Home at Ft Hamer, LLC	A700	G	0.079	0.332	0.116
Manatee	5620	Shelley Saffold	A56S	G	0.000	0.604	0.604
Manatee	5649	Mark Holdren & Roger E. Triplett	A480	G	0.014	0.009	0.009
Manatee	5689	Christina Dakin	L615	G	0.186	0.412	0.412
Manatee	5693	Andy D Taylor Ranch LLC	A490	G	0.000	0.136	0.136
Manatee	6059	Astin Strawberry Property Management LLC	A535	G	0.470	1.004	1.004
Manatee	6077	McClure Properties, LTD	A465	G	0.748	3.078	3.078
Manatee	6667	Heart Groves Inc	A415	G	0.090	0.733	0.733
Manatee	6668	Elias & Lorena Gutierrez	A415	G	0.030	0.307	0.307
Manatee	6915	Janice Lee Ranch & 3B Partnership (Multi-County w DeSoto)	A495	G	0.078	1.228	1.228
Manatee	6945	Mosaic Fertilizer, LLC	A415	G	0.000	0.031	0.031
Manatee	6981	Mosaic Fertilizer, LLC	A515	G	0.166	0.367	0.367
Manatee	7031	Adamatmar, LLC	A56S	G	0.000	0.318	0.318
Manatee	7085	Jones Potato Farm Inc	A415	G	0.144	1.127	1.127
Manatee	7350	Felton C Walker Jr	A56S	G	0.923	1.693	1.693
Manatee	7502	Big Red Bull LLC	A495	G	0.231	0.688	0.688
Manatee	7631	McClure Properties, LTD	A56F	G	0.000	0.791	0.791
Manatee	7649	Robert M. and Betty Jo Moody	A525	G	0.000	0.336	0.336
Manatee	7724	FLM, Inc	A480	G	0.031	0.927	0.927

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	7846	Schroeder-Manatee Ranch, Inc (Multi-County w Sarasota)	A415	G	0.000	18.238	0.161
Manatee	7891	DME Holdings, LLC	A415	G	0.275	0.402	0.402
Manatee	7998	QC Standby 5 LLC (Multi-County w Hardee)	A415	G	0.428	0.465	0.465
Manatee	8102	Gutierrez Ranch Corp	A415	G	0.000	0.103	0.103
Manatee	8420	Florida Power & Light Company	A415	G	0.000	1.267	1.267
Manatee	8421	Florida Power & Light Company	A465	G	0.000	1.253	1.253
Manatee	8638	Jefferson Manatee, LLC	A525	G	0.675	0.663	0.663
Manatee	8694	QC Manatee Groves LLC	A415	G	0.244	0.574	0.574
Manatee	8829	Whisenant Farms, Inc	A56S	G	0.082	1.278	1.278
Manatee	8987	Detwiler Farms, LLC	A535	G	0.017	0.130	0.130
Manatee	8987	Detwiler Farms, LLC	A535	S	0.000	0.130	0.130
Manatee	9014	Florida Power & Light Company	A58H	G	0.032	1.815	1.815
Manatee	9025	John Falkner, LLC	A51S	G	0.436	1.459	1.459
Manatee	9089	FFD Land Co Inc	A56S	G	1.141	2.791	2.779
Manatee	9113	Joseph Ladd	A415	G	0.174	0.157	0.157
Manatee	9227	Mosaic Fertilizer, LLC	A415	G	0.000	0.079	0.079
Manatee	9348	East River Ranch 1400, LLC	A646	G	0.313	0.754	0.754
Manatee	9391	WFA Land Company, Inc	A655	G	0.000	2.779	2.779
Manatee	9400	Desoto Ranch Estates	A655	G	0.000	0.156	0.156
Manatee	9526	Three D Farms, LLC	A56S	G	0.391	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	0.073	1.940	1.940
Manatee	9817	Rutland Ranch Farms II LLC	A56F	G	0.000	0.369	0.369
Manatee	9968	Priscilla Trace	A485	G	0.097	0.158	0.158
Manatee	9968	Priscilla Trace	A485	S	0.041	0.158	0.158
Manatee	10187	Prairie Creek Dairy, Inc	L615	G	0.198	0.306	0.306
Manatee	10320	3KS Family LLLP	A415	G	0.000	0.202	0.202
Manatee	10329	Keystone Grove Company	A415	G	0.000	0.085	0.085
Manatee	10483	Sarah Frey-Talley	A56S	G	0.007	0.440	0.440
Manatee	10487	Rutland Ranch Farms, LLC	A515	G	0.696	1.347	1.347
Manatee	10541	Jones Potato Farm Inc	A56F	G	0.075	2.259	2.259
Manatee	10758	Gutierrez Ranch Corp	A415	G	0.000	0.113	0.113

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	10978	T&T Environmental, LLC & Manatee County Grove A, LLC	A415	G	0.082	0.172	0.172
Manatee	11019	SMR Taylor Ranch, LLC	A56F	G	0.086	1.539	1.491
Manatee	11019	SMR Taylor Ranch, LLC	A56F	S	0.000	1.539	1.491
Manatee	11065	Corteva Agriscience LLC	A56F	G	0.013	0.256	0.256
Manatee	11105	WFA Land Company, Inc	A56S	G	1.122	3.011	2.992
Manatee	11123	Clay Gully Ranch, LLC	A56S	G	0.000	1.827	1.827
Manatee	11125	Maggard Manatee County, LLC	A56S	G	0.000	2.488	2.488
Manatee	11167	Western Farmland, LLC	A56F	G	0.000	2.941	2.941
Manatee	11167	Western Farmland, LLC	A56F	S	0.000	2.941	2.941
Manatee	11287	John Falkner, LLC	A51S	G	1.797	5.224	5.224
Manatee	11350	Countyline Ranch, LLC	A56S	G	0.000	0.856	0.856
Manatee	11427	Peter Old	A592	G	0.000	1.240	1.240
Manatee	11440	John Falkner, LLC	A56S	G	0.211	0.574	0.574
Manatee	11440	John Falkner, LLC	A56S	S	0.000	0.574	0.574
Manatee	11481	Prairie Creek Dairy, Inc	A451	G	0.248	0.423	0.423
Manatee	11918	Gordon Properties, LLC	A56F	G	0.285	0.316	0.316
Manatee	11921	Goodson Farms, Inc	A56S	G	0.583	0.616	0.616
Manatee	11922	Jones Potato Farm, Inc	A515	G	0.052	1.483	1.483
Manatee	11961	Pacific Land, Ltd	A56S	G	1.181	3.852	3.852
Manatee	11975	North River Partnership, LLC	A485	G	0.000	0.084	0.084
Manatee	12005	Elias Cura LLC	A525	G	0.195	0.488	0.488
Manatee	12018	McClure Properties, LTD	A56F	G	0.101	2.259	2.259
Manatee	12133	Mosaic Fertilizer, LLC	A56S	G	0.000	1.121	1.121
Manatee	12154	Astin Strawberry Property Management, LLC	A535	G	0.000	0.750	0.750
Manatee	12216	ESDA, Inc	A495	G	0.007	0.323	0.323
Manatee	12264	John Falkner, LLC	A56F	G	0.683	1.398	1.398
Manatee	12386	Florida Power & Light Company	A56F	G	0.023	1.000	1.000
Manatee	12474	Mary Forristall	A485	G	0.003	0.055	0.055
Manatee	12511	Jones Potato Farm, Inc	A466	G	0.041	0.811	0.811
Manatee	12971	PJL, LLC	A410	G	0.003	0.322	0.322
Manatee	13007	Lakeshore Knolls LLC	A415	G	0.077	0.258	0.258
Manatee	13008	FLG Land Holdings, LLC	A415	G	0.225	0.200	0.200
Manatee	13011	John Falkner, LLC, Rye Ranch, LLC and Rowe Ventures, LLC	A56F	G	0.359	2.524	2.524
Manatee	13281	GTIS I VGC, LP	A495	G	0.000	0.071	0.034

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	G	0.000	0.869	0.869
Manatee	20106	Parrish Road Duette, LLC	A53S	G	0.325	0.575	0.575
Manatee	20245	DFM Properties, LLC	A56S	G	0.000	0.148	0.148
Manatee	20268	P-3 Real Estate Holdings LLC	A56S	G	0.000	0.441	0.441
Manatee	20596	Paul's Parrish, LLC	A52S	G	0.323	0.334	0.334
Manatee	20596	Paul's Parrish, LLC	A52S	S	0.000	0.334	0.334
Manatee	20946	Jones Ranch, LLC	A41S	G	0.008	0.411	0.411
Manatee	20955	Haval Farms, LLC	A56S	G	0.000	1.089	1.089
Manatee	20956	IA Manatee, LLC	A56S	G	0.176	1.035	1.035
Manatee	21000	Genesis 12:7, LLC	A41S	G	0.000	0.842	0.842
Manatee County Totals					34.656	Metered, mgd	
					4.075	Estimated, mgd, 147 WUPs	
					38.731	Total, mgd	
Marion	2697	Charlotte Weber, as Trustee	A52S	G	0.134	0.502	0.502
Marion	11475	Arbor Springs Development, LLC	A490	G	0.013	0.106	0.074
Marion	11602	Coyote Crossing Holdings, LLC	A490	G	0.075	0.150	0.150
Marion	12911	The Club at Ocala Preserve LLC	A460	G	0.056	0.223	0.073
Marion	13030	Ronald D & Sarah F Cannon	A470	G	0.000	0.323	0.323
Marion	20174	On Top of the World Comm., LLC	A52F	G	0.000	0.661	0.661
Marion	20319	Sleepy Creek Lands LLC	A52S	G	0.000	0.888	0.888
Marion County Totals					0.278	Metered, mgd	
					2.474	Estimated, mgd, 51 WUPs	
					2.752	Total, mgd	
Pasco	617	Kevin and Michelle Steele	A41S	G	0.000	0.104	0.104
Pasco	1580	SRI 2, LLC	A410	G	0.038	0.095	0.095
Pasco	1580	SRI 2, LLC	A410	S	0.024	0.095	0.095
Pasco	1636	DMMD XLIV, LLC	A41S	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	A52S	G	0.000	0.535	0.000
Pasco	2698	Sid Larkin & Son Inc, JSL Ranch Inc, Larkin Cattle Co Inc	A49S	G	0.001	0.497	0.497
Pasco	3380	Evans Properties Inc	A50F	G	0.000	0.165	0.165
Pasco	3381	Evans Properties, Inc	A41S	G	0.000	0.138	0.138
Pasco	3388	Evans Properties, Inc	A41S	G	0.000	0.252	0.252
Pasco	3390	County Line Road 127, LLC	A41S	G	0.000	0.081	0.081

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Pasco	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	5897	Barthle Brothers Ranch, LLC	A58S	G	0.000	0.205	0.205
Pasco	6814	Keathel and Taryn Chauncey	A635	G	0.000	0.108	0.108
Pasco	7021	Magnolia Island, LLLP	A480	G	0.001	0.038	0.038
Pasco	7497	Vcare Consultants, LLC	A415	G	0.000	0.116	0.116
Pasco	7686	Angelo Iafrate, Sr	A415	G	0.003	0.094	0.094
Pasco	8737	Boarshead Ranch, LLC	A525	G	0.507	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	0.000	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	0.001	0.257	0.104
Pasco	11773	Little Everglades Ranch Inc	A525	S	0.000	0.257	0.104
Pasco	12072	Griselda M Valdes	A525	G	0.172	0.198	0.198
Pasco	12346	La Hacienda Del Cielo LLC	A415	G	0.002	0.137	0.129
Pasco	12919	EMSM Pasco, LLC	A485	G	0.097	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	0.001	0.178	0.178
Pasco	20413	Frogmore Ranch, LLC	A410	G	0.377	0.475	0.475
Pasco	20682	David & Deborah Abila	A415	G	0.000	0.055	0.055
Pasco County Totals					1.224	Metered, mgd	
					4.463	Estimated, mgd, 198 WUPs	
					5.687	Total, mgd	
Pinellas	7362	Pinellas Co. Parks & Conservation Department	A485	G	0.000	0.052	0.040
Pinellas	7362	Pinellas Co. Parks & Conservation Department	A485	S	0.000	0.052	0.040
Pinellas	10694	TTGC, LLC	A480	G	0.000	0.038	0.038
Pinellas County Totals					0.000	Metered, mgd	
					0.002	Estimated, mgd, 1 WUP	
					0.002	Total, mgd	

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	62	James S Nahas	A58S	G	0.000	0.171	0.171
Polk	62	James S Nahas	A58S	S	0.000	0.171	0.171
Polk	97	Gapway Grove Corporation	A415	G	0.069	0.245	0.245
Polk	143	Mountain Lake Corporation	A415	G	0.410	3.294	0.627
Polk	170	Smith & Sons Citrus, LLC	A415	G	0.027	0.122	0.122
Polk	222	Dundee Property Holdings, LLC	A415	G	0.108	0.086	0.086
Polk	285	Lake Garfield Grove LLC	A415	G	0.076	0.110	0.110
Polk	384	John G Wood & Associates, Inc	A490	G	0.000	0.185	0.185
Polk	423	John Perdue, Jr	A415	G	0.009	0.061	0.061
Polk	425	Jefferson Grove, LLLP	A415	G	0.081	0.159	0.159
Polk	427	Clear Springs Land Company, LLC	A495	G	0.000	0.235	0.235
Polk	429	Jefferson Grove, LLLP	A525	G	0.009	0.237	0.237
Polk	430	South Property Holdings, LLC	A415	G	0.005	0.107	0.107
Polk	463	Gresham Farms Development	A415	G	0.000	0.051	0.051
Polk	504	Ray-Bob Groves Inc	A415	G	0.001	0.196	0.196
Polk	551	Tom Thayer Citrus, Inc	A415	G	0.069	0.075	0.075
Polk	693	Putnam Groves, Inc	A415	G	0.074	0.086	0.086
Polk	758	Hook-R Groves, Inc	A415	G	0.000	0.078	0.078
Polk	772	Putnam Groves, Inc	A415	G	0.309	0.461	0.461
Polk	819	Gain Inc	A415	G	0.053	0.079	0.079
Polk	873	Stephen Lindsey	A655	G	0.000	0.090	0.090
Polk	928	Manuel & Shelly Lopez & John A Jr & Allison Stephens	A415	G	0.073	0.077	0.077
Polk	961	Wheeler Farms, Inc	A415	G	0.000	0.206	0.206
Polk	963	Gapway Grove Corporation	A415	G	0.028	0.088	0.088
Polk	1003	Bcw Groves Inc	A415	G	0.076	0.090	0.090
Polk	1005	Central Florida Blueberrys, LLC	A410	G	0.012	0.036	0.036
Polk	1109	Lake Wales Commons LP	A415	G	0.114	0.140	0.140
Polk	1153	Ethos Produce, LLC	A415	G	0.011	0.110	0.110
Polk	1161	Lake Buffum Grove Ltd	A525	G	0.000	0.295	0.295
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	0.342	0.237	0.237
Polk	1300	Roger Brothers, LLLP	A415	G	0.000	0.070	0.070
Polk	1404	Midway Farms, LLC	A535	G	0.000	0.330	0.330

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	1420	Fetco, Inc	A415	G	0.000	0.079	0.079
Polk	1426	Winterlake PH LP	A415	G	0.094	0.150	0.150
Polk	1433	Flying V, Inc	A415	G	0.001	0.097	0.097
Polk	1455	Martha Trejo and Arnulfo Guitierrez	A415	G	0.001	0.161	0.161
Polk	1467	Green Point Real Estate, LLC	A480	G	0.034	0.102	0.102
Polk	1501	J. Henry Groves, Inc	A415	G	0.024	0.080	0.080
Polk	1660	Stenger Holdings, Inc	A415	G	0.019	0.041	0.041
Polk	1662	Misty Organics, LLC	A410	G	0.173	0.155	0.155
Polk	1664	Southeast Investments of Palm Beach County, Inc	A470	G	0.000	0.141	0.141
Polk	1676	The Montesco Group, LLC	A415	G	0.727	0.232	0.232
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	1823	Black Holdings, LLC	A415	G	0.034	0.154	0.154
Polk	1845	Ben Hill Griffin, Inc	A535	G	0.034	1.373	1.373
Polk	1845	Midway Farms, LLC	A535	S	0.001	1.373	1.373
Polk	1851	David H. Wilcox	L661	G	0.506	0.446	0.446
Polk	1883	McGrady Road Investment, LLC	A415	G	0.000	0.179	0.179
Polk	1943	Legacy Hill of Dundee, LLC	A415	G	0.014	0.131	0.131
Polk	1955	Marianne Barwick	A415	G	0.078	0.119	0.119
Polk	2006	D.C. Cattle, Inc	A490	G	0.010	0.405	0.405
Polk	2047	Brent I. Monk Revoc. Living Trust	A495	G	0.003	0.315	0.315
Polk	2057	Gabriel Groves, Inc	A415	G	0.017	0.091	0.091
Polk	2059	CUPS Coop, Inc	A415	G	0.140	0.114	0.114
Polk	2063	Scott Stevenson	A415	G	0.190	0.215	0.215
Polk	2130	Fort Family Partneship, LTD	A415	G	0.052	0.098	0.098
Polk	2132	Flying V, Inc	A415	G	0.074	0.112	0.112
Polk	2146	Thelma C. Raley, Inc	A415	G	0.278	0.308	0.308
Polk	2147	Forestar USA	A415	G	0.019	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	0.135	0.115	0.115
Polk	2448	Ben Hill Griffin, Inc	A415	G	0.382	0.475	0.475
Polk	2466	Hunt Club Grove South at Lake Wales, LLC	A415	G	0.000	0.103	0.103
Polk	2470	Alico, Inc	A415	G	0.080	0.110	0.110
Polk	2501	McGrady Road Investment, LLC	A415	G	0.053	0.227	0.227

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	2503	McGrady Road Investment, LLC	A415	G	0.089	0.180	0.180
Polk	2587	Flying V, Inc	A415	G	0.141	0.216	0.216
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	G	0.123	3.223	3.223
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	S	0.000	3.223	3.223
Polk	2722	Hunt Bros., Inc	A415	G	0.104	0.092	0.092
Polk	2989	Sunshine Agriculture, Inc	A415	G	0.341	0.271	0.271
Polk	3004	Dennis Dicks	A415	G	0.079	0.093	0.093
Polk	3040	Wheeler-Waverly Grove, LLC	A415	G	0.026	0.069	0.069
Polk	3072	6M Farms, LLC	A415	G	0.085	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	0.046	0.136	0.136
Polk	3147	Clear Springs Enterprises LLC	A480	G	0.135	0.478	0.278
Polk	3238	Wheeler Farms, Inc	A415	G	0.068	0.111	0.111
Polk	3439	Florida Groves, LLC	A415	G	0.000	0.099	0.099
Polk	3439	Florida Groves, LLC	A415	S	0.000	0.099	0.099
Polk	3446	Holmes Gardens Associates Ltd	A415	G	0.087	0.098	0.098
Polk	3493	Tampa Electric Company	A415	G	0.000	0.230	0.230
Polk	3499	Sand Lake Groves LLC	A415	G	0.012	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	0.053	0.136	0.136
Polk	3735	Lo Brothers Enterprises Inc	A415	G	0.000	0.325	0.325
Polk	3806	Emery C Jr. and Vada E Etter	A415	G	0.112	0.121	0.121
Polk	3841	Matthew Sanders	A415	G	0.000	0.026	0.026
Polk	3842	Sun Grown Citrus LLC	A415	G	0.996	1.224	1.224
Polk	3867	Ben Hill Griffin, Inc	A415	G	0.085	0.128	0.128
Polk	3946	Ben Hill Griffin, Inc	A415	G	0.228	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	0.054	0.083	0.083
Polk	3963	CBM Groves Inc and Myers Grove Inc	A415	G	0.104	0.123	0.123
Polk	3972	Victor B Story Sr	A415	G	0.100	0.097	0.097
Polk	4002	Elizabeth W. Beck Credit Shelter Trust	A415	G	0.173	0.320	0.320
Polk	4026	Clay Cut LLC	A415	G	0.021	0.174	0.174
Polk	4045	SLC IRA, LLC	A415	G	0.000	0.120	0.120
Polk	4074	Ward's Nursery, Inc	A415	G	0.108	0.138	0.138

2023 ESTIMATED WATER USE REPORT

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County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	4093	Ben Hill Griffin, Inc	A415	G	0.108	0.122	0.122
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	G	0.170	0.254	0.254
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	S	0.000	0.254	0.254
Polk	4105	Dundee Reserve Holdings, LLC	A415	G	0.155	0.208	0.208
Polk	4108	PH Citrus, LLC	A415	G	0.175	0.424	0.424
Polk	4123	Wheeler Farms, Inc	A445	G	0.233	0.279	0.279
Polk	4166	SR 544, LLC	A415	G	0.313	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	0.000	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	0.000	0.040	0.040
Polk	4286	Faribault Groves Partners	A415	G	0.075	0.096	0.096
Polk	4301	Sun Grown Citrus LLC	A415	G	0.396	0.601	0.601
Polk	4328	G Stead Groves Inc	A415	G	0.065	0.138	0.138
Polk	4331	Wheeler Farms, Inc	A415	G	0.464	0.510	0.510
Polk	4341	Ben Hill Griffin, Inc	A415	G	0.067	0.081	0.081
Polk	4345	Dole Berry Company	A410	G	1.471	1.066	1.066
Polk	4376	Alcoma Caretaking LLC	A415	G	0.326	0.518	0.518
Polk	4377	H R Baxter & Sons Enterprises	A415	G	0.000	0.105	0.105
Polk	4395	The Leslie W. Dunson, Jr. Revocable Trust	A415	G	0.011	0.090	0.090
Polk	4424	Putnam Groves, Inc	A415	G	0.103	0.142	0.142
Polk	4432	Hunt Bros. Inc	A415	G	0.233	0.217	0.217
Polk	4497	Gapway Grove Corporation	A415	G	0.029	0.169	0.169
Polk	4516	Norris Citrus Groves, Inc	A415	G	0.000	0.134	0.134
Polk	4532	Thomas A. Thayer Jr	A415	G	0.053	0.092	0.092
Polk	4551	Montanez Harvesting, Inc	A415	G	0.001	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	0.408	0.594	0.594
Polk	4558	Ben Hill Griffin, Inc	A415	S	0.168	0.594	0.594
Polk	4559	Ben Hill Griffin, Inc	A415	G	0.824	0.807	0.807
Polk	4560	Ben Hill Griffin, Inc	A415	G	0.298	0.443	0.443
Polk	4563	Ben Hill Griffin, Inc	A415	G	0.126	0.148	0.148
Polk	4567	Ben Hill Griffin, Inc	A415	G	0.072	0.103	0.103
Polk	4588	Morris Family Trust	A410	G	0.305	0.148	0.148

2023 ESTIMATED WATER USE REPORT

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Polk	4628	Hunt Bros., Inc	A415	G	0.022	0.042	0.042
Polk	4629	Lucerne Commercial, LLC	A415	G	0.038	0.061	0.061
Polk	4634	CFM Inc	A415	G	0.142	0.142	0.142
Polk	4766	Livingston Groves, LLC	A415	G	0.001	0.085	0.085
Polk	4810	Highland Sand, LLC	A415	G	0.099	0.424	0.424
Polk	4827	VLI Family Limited Partnership	A415	G	0.049	0.070	0.070
Polk	4831	Durrance and Sons LLC	A525	G	0.000	0.157	0.157
Polk	5008	Alico, Inc	A415	G	0.163	0.231	0.231
Polk	5010	Alico, Inc	A415	G	0.086	0.104	0.104
Polk	5011	Alico, Inc	A415	G	0.263	0.320	0.320
Polk	5013	Alico, Inc	A415	G	0.286	0.633	0.633
Polk	5013	Alico, Inc	A415	S	0.255	0.633	0.633
Polk	5014	Alico, Inc	A415	G	0.190	0.302	0.302
Polk	5014	Alico, Inc	A415	S	0.040	0.302	0.302
Polk	5015	Alico, Inc	A415	G	0.469	0.524	0.524
Polk	5016	Alico, Inc	A415	G	0.096	0.307	0.307
Polk	5016	Alico, Inc	A415	S	0.122	0.307	0.307
Polk	5019	Alico, Inc	A415	G	0.400	0.419	0.419
Polk	5062	Gardinier Florida Citrus, Inc	A415	G	0.202	0.232	0.232
Polk	5086	PAI Mountain Lake Groves, LLC	A415	G	0.248	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	0.582	0.422	0.422
Polk	5123	Hunt Bros. Inc	A415	G	0.008	0.059	0.059
Polk	5130	Fulton Keen, LLC	A415	G	0.031	0.147	0.147
Polk	5296	Ben Hill Griffin, Inc	A415	G	0.067	0.100	0.100
Polk	5394	Lake Sawyer Properties, Inc	A415	G	0.039	0.105	0.105
Polk	5396	Crews Groves Inc	A415	G	0.291	0.231	0.231
Polk	5414	Emery C. & Vada E. Etter	A415	G	0.058	0.043	0.043
Polk	5416	Emery Etter, Jr	A415	G	0.024	0.035	0.035
Polk	5450	Hunt Bros, Inc	A415	G	0.085	0.062	0.062
Polk	5476	C.F.M., Inc	A415	G	0.279	0.290	0.290
Polk	5480	Hunt Bros. Inc	A415	G	0.107	0.073	0.073
Polk	5481	Hunt Bros., Inc	A415	G	0.024	0.193	0.193
Polk	5482	Hunt Bros. Inc	A415	G	0.146	0.268	0.268

2023 ESTIMATED WATER USE REPORT

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Polk	5483	Hunt Bros., Inc	A415	G	0.013	0.137	0.137
Polk	5486	Hunt Bros. Inc	A415	G	0.093	0.092	0.092
Polk	5564	Robert Crews II	A415	G	0.048	0.071	0.071
Polk	5571	734 LMC Groves, LLC	A415	G	0.160	0.248	0.248
Polk	5572	734 LMC Groves, LLC	A415	G	0.148	0.143	0.143
Polk	5584	Sun Grown Citrus LLC	A415	G	0.076	0.110	0.110
Polk	5610	Ben Hill Griffin, Inc	A415	G	0.024	0.082	0.082
Polk	5629	Watkins Citrus & Cattle Co.	A415	G	0.115	0.142	0.142
Polk	5635	Alico, Inc	A415	G	0.384	0.315	0.315
Polk	5636	Griffin Family Limited Partnership	A415	G	0.229	0.236	0.236
Polk	5654	Doudney Investment Co	A415	G	0.075	0.105	0.105
Polk	5669	GLK Real Estate, LLC	A415	G	0.000	0.061	0.061
Polk	5679	South Property Holdings, LLC	A415	G	0.002	0.090	0.090
Polk	5711	C. C. Calhoun, Inc	A415	G	0.030	0.061	0.061
Polk	5739	PH Citrus, LLC	A415	G	0.067	0.091	0.091
Polk	5823	Putnam Groves, Inc	A415	G	0.200	0.318	0.318
Polk	5850	Hunt Bros. Inc	A415	G	0.213	0.334	0.334
Polk	5918	Crews Groves, Inc (Multi-County w Hardee)	A490	G	0.145	0.370	0.370
Polk	6026	7L Camp Mack LLC	A415	G	0.662	1.448	1.448
Polk	6037	South Property Holdings, LLC	A415	G	0.005	0.094	0.094
Polk	6068	Rolling Meadow Ranch, Inc	A415	G	2.087	1.530	1.530
Polk	6068	Rolling Meadow Ranch, Inc	A415	S	0.000	1.530	1.530
Polk	6128	Country Club of Lake Wales, Inc	A415	G	0.003	0.313	0.006
Polk	6268	Southern Citrus Nurseries, LLC	A415	G	0.229	0.220	0.220
Polk	6278	M and V, LLC	A480	G	0.086	0.124	0.124
Polk	6280	Beck Agricultural Holdings, LLLP	A415	G	0.023	0.092	0.092
Polk	6468	Robert G Stokes, Stokes Groves Inc, JK Reddler LLC	A495	G	0.199	0.340	0.340
Polk	6481	John T. Perry II	A415	G	0.000	0.082	0.082
Polk	6558	Thayer Farms, Inc	A480	G	0.346	0.366	0.366
Polk	6670	Mosaic Fertilizer LLC	A415	G	0.000	0.425	0.425
Polk	6681	Otto W. Ullrich V Trust	A415	G	0.000	0.172	0.172
Polk	6878	Wheeler Farms, Inc	A415	G	0.059	0.079	0.079
Polk	6890	Knight PC Holdings, LLC	A495	G	0.001	0.213	0.213
Polk	6940	6M Farms, LLC	A415	G	0.143	0.139	0.139

2023 ESTIMATED WATER USE REPORT

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Polk	6995	Martin and Karen McKenna	A415	G	0.060	0.134	0.134
Polk	7000	Durrance and Sons, LLC	A525	G	0.000	0.231	0.231
Polk	7136	Davis Citrus, Inc	A700	G	0.132	0.179	0.179
Polk	7197	Hunt Club Grove South at Lake Wales, LLC	A415	G	0.000	0.067	0.067
Polk	7199	South Orange Properties LLP	A415	G	0.000	0.082	0.082
Polk	7270	B & D LLC	A415	G	0.112	0.276	0.276
Polk	7375	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.034	0.116	0.116
Polk	7409	Tampa Electric Company	A415	G	0.000	0.152	0.152
Polk	7517	Ben Hill Griffin, Inc	A415	G	0.097	0.098	0.098
Polk	7548	Ben Hill Griffin, Inc	A415	G	0.092	0.108	0.108
Polk	7570	Ambrose Grove LLC	A415	G	0.217	0.141	0.141
Polk	7573	Devane Citrus, Inc	A415	G	0.062	0.159	0.159
Polk	7654	Flying V, Inc	A415	G	0.119	0.130	0.130
Polk	7668	Ben Hill Griffin, Inc	A415	G	0.223	0.300	0.300
Polk	7670	734 LMC Groves, LLC	A415	G	0.761	1.021	1.021
Polk	7698	Ben Hill Griffin, Inc	A415	G	0.101	0.117	0.117
Polk	7789	Elliott Investments LLC	A490	G	0.002	0.150	0.150
Polk	7791	W. E. Green & Sons, Inc	A480	G	0.004	0.058	0.058
Polk	7796	Pat Wilson Inc	A490	G	0.137	0.166	0.166
Polk	7839	Griffin Family Limited Partnership	A415	G	0.081	0.103	0.103
Polk	7916	CG Citrus, LLC	A415	G	0.000	0.083	0.083
Polk	8096	PAI Mountain Lake Groves, LLC	A415	G	0.160	0.209	0.209
Polk	8098	PAI Mountain Lake Groves, LLC	A415	G	0.206	0.196	0.196
Polk	8119	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.049	0.170	0.170
Polk	8228	Ann W Jacob	A415	G	0.085	0.240	0.240
Polk	8261	734 LMC Groves, LLC	A415	S	0.066	0.059	0.059
Polk	8263	734 LMC Groves, LLC	A415	G	0.143	0.138	0.138
Polk	8295	Hermanns Real Estate Ventures, LLC	A410	G	0.133	0.360	0.360
Polk	8305	Ben Hill Griffin, Inc	A415	G	0.108	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	0.069	0.153	0.153
Polk	8582	Thomas A. Thayer Jr	A415	G	0.119	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	0.051	0.140	0.140

2023 ESTIMATED WATER USE REPORT

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Polk	8645	Imperial Tropicals, Inc	L661	G	0.128	0.174	0.174
Polk	8934	Ben Hill Griffin, Inc	A415	G	0.110	0.181	0.181
Polk	8978	Story Family Limited Partnership, LLLP	A415	G	0.105	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	0.233	0.361	0.361
Polk	9419	Alico, Inc	A415	G	0.099	0.595	0.595
Polk	9419	Alico, Inc	A415	S	0.462	0.595	0.595
Polk	9562	The Parman Group, LLC	A535	G	0.011	0.256	0.256
Polk	9704	Lakeland Farms, Inc	A410	G	0.003	0.251	0.251
Polk	9704	Lakeland Farms, Inc	A410	S	0.032	0.251	0.251
Polk	9806	Lake Hancock Partners, LLLP	A410	G	0.097	0.126	0.126
Polk	9887	The Montesco Group, LLC	A535	G	0.119	0.145	0.145
Polk	10096	Twenty Twenty Groves Inc	A415	G	0.629	0.673	0.673
Polk	10096	Twenty Twenty Groves Inc	A415	S	0.031	0.673	0.673
Polk	10231	Morris Family Trust	A410	G	0.077	0.256	0.256
Polk	10575	Surterra Lakeland, LLC	A480	G	0.022	0.070	0.053
Polk	10598	Quality Turf LC	A525	G	0.340	0.392	0.392
Polk	10857	Burton Ranch, LLC	A415	G	0.029	0.053	0.053
Polk	10915	Stenger Holdings, Inc	A415	G	0.075	0.152	0.152
Polk	11031	Growers Investment Group, LLC	A415	G	0.119	0.166	0.166
Polk	11161	Ridge Investments, LLC	A415	G	0.070	0.091	0.091
Polk	11163	Emil Jahna	A415	G	0.075	0.100	0.100
Polk	11173	Lake Wales II Property Holdings, LLC	A415	G	0.060	0.083	0.083
Polk	11176	Saunders Nelson, LLC	A415	G	0.000	0.074	0.074
Polk	11178	D&L Farms, Inc	A410	G	0.205	0.328	0.328
Polk	11209	Story Citrus, Inc	A415	G	0.156	0.182	0.182
Polk	11209	Story Citrus, Inc	A415	S	0.000	0.182	0.182
Polk	11219	Rolling Meadow Ranch Groves, LLC	A415	G	0.560	0.438	0.438
Polk	11229	Griffin Family Limited Partnership	A415	G	0.100	0.113	0.113
Polk	11297	Lake Isabell Partners	A415	G	0.191	0.169	0.169
Polk	11316	Livingston Groves, LLC	A415	G	0.001	0.078	0.078
Polk	11361	L & E, Inc	A415	G	0.016	0.061	0.061
Polk	11377	Norris Citrus Groves, Inc	A415	G	0.000	0.168	0.168
Polk	11524	Uffizzi, LLC	A58S	G	0.045	0.032	0.032

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	11524	Uffizzi, LLC	A58S	S	0.000	0.032	0.032
Polk	11533	Kathleen Farms, LLC	A535	G	0.097	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	0.000	0.144	0.144
Polk	11693	City of Lakeland Parks & Recreation Department	A485	G	0.007	0.176	0.017
Polk	11843	Crews Groves, Inc	A415	G	0.076	0.136	0.136
Polk	11843	Crews Groves, Inc	A415	S	0.060	0.136	0.136
Polk	11851	John L. Beck Living Trust	A415	G	0.044	0.143	0.143
Polk	11903	Hunt Bros. Inc	A415	G	0.007	0.008	0.008
Polk	12061	Hunt Bros. Inc	A415	G	0.147	0.139	0.139
Polk	12064	Hunt Bros. Inc	A415	G	0.059	0.041	0.041
Polk	12232	Citrosuco North America	A415	G	0.097	1.638	0.321
Polk	12392	PH Citrus LLC	A415	G	0.983	1.073	1.073
Polk	12446	C. C. Calhoun, Inc	A415	G	0.000	0.161	0.144
Polk	12459	Sara T. Lanier Revocable Living Trust	A415	G	0.000	0.140	0.140
Polk	12488	BT & JP James Land LLC	A410	G	0.054	0.305	0.305
Polk	12500	Rolling Meadow Ranch, Inc	A415	G	0.275	0.267	0.267
Polk	12574	Family Acres, Inc	A415	G	0.014	0.091	0.091
Polk	12637	Wheeler Farms, Inc	A415	G	0.122	0.133	0.133
Polk	12659	I-4 Sand Company, LLC	A415	G	0.325	0.778	0.716
Polk	12764	Circus Inn, Inc	A415	G	0.010	0.089	0.089
Polk	12792	Quality Turf, LC	A525	G	0.031	0.198	0.198
Polk	12867	Clear Springs Enterprises LLC	A410	G	0.964	1.299	1.299
Polk	12867	Clear Springs Enterprises LLC	A410	S	0.382	1.299	1.299
Polk	12890	Heifer Hill, Inc	A415	G	0.029	0.145	0.145
Polk	13018	Midway Farms, LLC	A470	G	0.000	0.244	0.244
Polk	13062	Sun Grown Citrus LLC	A415	G	0.207	0.247	0.247
Polk	13068	GrowHealthy Properties, LLC	A480	G	0.027	0.128	0.089
Polk	13084	South Property Holdings, LLC	A490	G	0.005	0.123	0.123
Polk	13199	Imperial Polk Properties, Inc	A415	G	0.000	0.051	0.051
Polk	13201	LOS IRA R, LLC, and CCS Investments, LLC	A415	G	0.058	0.099	0.099
Polk	13236	Nim Lithuel, LLC	A415	G	0.012	0.100	0.100
Polk	13342	TCR Ranch LLC	A410	G	0.027	0.201	0.201
Polk	13342	TCR Ranch LLC	A410	S	0.000	0.201	0.201

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Polk	20085	Quality Turf LC	A525	G	0.193	0.151	0.151
Polk	20205	Carl Grooms	A535	G	0.029	0.053	0.053
Polk	20292	Tree-O Groves, Inc	A415	G	0.088	0.098	0.098
Polk	20440	Preferred Materials, Inc	A415	G	0.001	0.150	0.150
Polk	20553	C.W. Deen Family Farm, LLC	A410	G	0.015	0.205	0.205
Polk	20553	C.W. Deen Family Farm, LLC	A410	S	0.000	0.205	0.205
Polk	20601	John A. Stephens, Jr.	A415	G	0.008	0.082	0.082
Polk	20613	Citrus Sinensis LLC	A415	G	0.011	0.042	0.042
Polk	20789	Nucor Steel Florida Inc	A415	G	0.214	0.670	0.273
Polk	20833	Dundee Property Holdings, LLC	A415	G	0.130	0.133	0.133
Polk	20834	Grimes Cattle Company, LLC	A535	G	0.185	0.175	0.175
Polk	20847	Wheeler Farms, Inc	A415	G	0.110	0.107	0.107
Polk	21024	Cemex Construction Materials Florida, LLC	A415	G	0.269	0.543	0.543
Polk	21045	Mosaic Fertilizer LLC	A480	G	0.000	0.349	0.349
Polk	21079	Dundee Property Holdings, LLC	A415	G	0.016	0.614	0.614
Polk	21111	Ben Hill Griffin Inc	A415	G	0.012	0.071	0.071
Polk	21112	Ben Hill Griffin Inc	A415	G	0.015	0.017	0.017
Polk	21138	McGrady Road Investment, LLC	A415	G	0.282	0.359	0.359
Polk	21139	Heritage Land Investments, Inc	A415	G	0.267	0.353	0.353
Polk County Totals					39.514	Metered, mgd	
					28.648	Estimated, 1,423 WUPs	
					68.162	Total, mgd	
Sarasota	3755	Mabry Carlton Ranch Inc	A56S	G	0.167	4.190	4.190
Sarasota	3764	Longino Ranch, Inc	A525	G	0.203	1.220	1.220
Sarasota	3872	West Villages Improvement District	L600	G	0.002	2.490	0.011
Sarasota	3873	Schwartz Farms Inc	A56S	G	0.951	2.181	2.181
Sarasota	3890	Grand Park Holding, LLC	A525	G	0.000	0.296	0.118
Sarasota	4087	LT Partners LLLP	A525	G	0.089	0.820	0.820
Sarasota	4387	Hi Hat Ranch LLLP	A56S	G	1.247	2.436	2.436
Sarasota	4387	Hi Hat Ranch LLLP	A56S	S	0.000	2.436	2.436
Sarasota	5695	Windward at Lakewood Ranch CDD	A495	G	0.013	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	0.000	0.330	0.330
Sarasota	7846	Schroeder-Manatee Ranch, Inc (Multi-County w Manatee)	A415	G	0.000	18.238	0.161

2023 ESTIMATED WATER USE REPORT

Table A-7. 2023 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Sarasota	8336	SMR/MYAKKA, LLC	A50F	G	0.000	0.883	0.883
Sarasota	9361	Albritton Groves Ltd	A415	G	0.079	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	0.002	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	0.110	0.553	0.553
Sarasota	20192	SRQ Land, LLC	A525	G	0.429	0.724	0.724
Sarasota	20818	Longino Ranch, Inc	A58H	G	0.332	0.674	0.674
Sarasota County Totals					3.623	Metered, mgd	
					0.458	Estimated, mgd, 28 WUPs	
					4.081	Total, mgd	
Sumter	2180	Sumter, LLC	A480	G	0.001	1.026	0.676
Sumter	3534	Florida Fish & Wildlife Conservation Commission	L632	G	1.567	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	0.674	0.388	0.388
Sumter	10519	Barns Bits & Bridles & Equine Estates, Appaloosa Acres, Inc	A480	G	0.205	0.456	0.456
Sumter	20281	CUP Properties LLC	A525	G	0.311	0.386	0.386
Sumter	20387	Buffalo Hide and Cattle Company, LLC	A470	G	0.000	0.573	0.573
Sumter	20511	Walton Acquisitions FL, LLC	A52S	G	0.002	0.718	0.718
Sumter County Totals					2.779	Metered, mgd	
					4.056	Estimated, mgd, 104 WUPs	
					6.835	Total, mgd	
District Totals					223.551	Metered, mgd	
					86.645	Estimated, mgd	
					310.196	Total, mgd	

Notes:

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

WUP 2715 was split for Citrus in Polk (=0.599 - 0.476) and Hardee (+0.476) Counties

WUP 5918 was split for Pasture in Hardee (=0.192 - 0.145) and Polk (+0.145) Counties

WUP 6915 was split for Pasture in both Manatee (=0.121-0.043 mgd) and DeSoto (+0.043 mgd) counties

WUP 7998 was split for Citrus both Manatee (=0.614 - 0.186 mgd) and Hardee (+0.186 mgd) counties

WUP 9741 was split for Citrus in both DeSoto (=0.783 - 0.073 mgd) and Manatee (+0.073 mgd) counties

Additional WUPs exist that have minor overlaps of county borders. Minor rounding discrepancies may occur in summations of raw data.

2023 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. The lists of agriculture and livestock codes contain 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.

Agriculture use codes

A400	Augmentation for Aesthetic	A470	<i>Melons</i>	A550	Corn, Sweet
A402	<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	A486	<i>Caladiums</i>	A615	Cabbage Bok Choy
A410	Blueberries	A487	Greenhouse Plants/Nursery	A620	Carrots
A415	<i>Citrus</i>	A490	Pasture	A625	Cauliflower
A416	Citrus, Flatwood	A491	Alfalfa	A630	Celery
A420	Container Citrus Nursery	A495	<i>Hay, Commercial</i>	A635	Eggplant
A425	<i>Field Citrus Nursery</i>	A505	Peppers	A640	Okra (Non-Cover Crop)
A430	Cover Crop	A50F	<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	A520	<i>Research</i>	A650	Other (Non-Crop Miscellaneous)
A44S	<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	A530	<i>Soybeans</i>	A705*	Dewatering to On-Site for Ag
A460	<i>Lawn & Landscape Irrigation</i>	A535	<i>Strawberries</i>	A706	Dewatering to Off-Site for Ag
A465	Beans, Dry	A540	Subtropical Fruits		
A466	<i>Beans, Green</i>	A545	Sugarcane		

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

2023 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
<i>L605</i>	<i>Cattle, Feedlot</i>	<i>L635</i>	<i>Horses</i>	L720	In-field washing and packing
L606	Sheep	L650	Poultry/Turkeys	L725	Packaging
<i>L610</i>	<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

2023 ESTIMATED WATER USE REPORT

TABLE A-8. 2023 METERED + ESTIMATED AGRICULTURE MONTHLY AVERAGE WITHDRAWALS (MGD/MONTH) BY COUNTY

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	8.354	9.976	16.471	11.099	7.486	3.575	2.899	4.208	3.277	13.196	6.906	3.587
Citrus	1.635	2.308	2.788	2.426	2.258	0.734	0.654	0.733	0.775	1.696	1.712	0.936
Desoto	59.468	74.325	96.703	93.155	71.662	22.468	16.907	28.965	20.157	29.349	47.608	34.501
Hardee	31.641	46.069	61.058	51.976	43.484	24.045	24.260	19.284	15.902	32.641	37.003	20.646
Hernando	1.518	2.226	2.707	2.353	2.145	0.637	0.587	0.628	0.712	1.696	1.704	0.895
*Highlands	42.109	44.884	56.554	41.032	40.793	21.043	22.322	22.492	20.767	33.146	38.267	20.096
Hillsborough	35.712	46.823	54.707	49.659	48.687	21.062	23.719	26.372	38.105	124.864	53.011	31.519
*Lake	0.705	0.903	1.769	1.516	1.542	0.570	0.184	0.294	0.268	0.770	0.624	0.375
*Levy	6.700	7.484	9.374	9.900	9.809	17.243	10.348	12.276	5.374	5.427	5.982	3.595
Manatee	38.469	47.096	63.473	62.306	50.778	31.715	12.216	17.428	26.355	56.284	45.157	16.274
*Marion	2.657	3.822	5.466	5.133	4.424	1.157	0.837	0.849	1.360	2.964	2.990	1.373
Pasco	4.909	7.624	9.695	8.619	8.012	2.713	2.797	3.120	3.759	6.709	6.682	3.597
Pinellas	0.002	0.003	0.003	0.003	0.003	0.001	0.001	0.001	0.001	0.003	0.002	0.001
*Polk	62.005	92.177	109.891	90.589	85.522	49.348	51.872	49.329	40.588	76.128	73.469	41.008
Sarasota	2.220	5.157	6.011	7.092	5.692	3.561	0.821	4.483	3.155	4.140	3.545	3.100
Sumter	5.809	8.906	10.480	9.227	8.810	6.186	4.379	5.017	4.614	7.404	6.834	4.371
District Total	303.913	399.783	507.150	446.085	391.107	206.058	174.803	195.479	185.169	396.417	331.496	185.874
Groundwater	286.058	382.639	490.064	432.235	377.717	199.852	168.308	187.474	177.183	374.457	316.811	179.764
Surface Water	17.855	17.144	17.086	13.850	13.390	6.206	6.495	8.005	7.986	21.960	14.685	6.110

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

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

2023 ESTIMATED WATER USE REPORT

Table A-9. 2023 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category ⁴
Charlotte	2689	East Charlotte Drainage District	M976	G	0.005	2.767	0.019
Charlotte	2689	East Charlotte Drainage District	M976	S	0.004	2.767	0.019
Charlotte County Totals					0.009	Metered, mgd	
					0.113	Estimated, mgd, 16 WUPs	
					0.122	Total, mgd	
There were no metered mining/dewatering WUPs in Citrus County					0	Metered, mgd	
					0.017	Estimated, mgd, 3 WUPs	
					0.017	Total, mgd	
There were no metered mining/dewatering WUPs in DeSoto County					0	Metered, mgd	
					0.006	Estimated, mgd, 4 WUPs	
					0.006	Total, mgd	
Hardee	3669	Mosaic Fertilizer LLC	M940	G	0.004	6.392	6.392
Hardee ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	3.330	69.600	44.600
Hardee County Totals					3.334	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					3.334	Total, mgd	
There were no metered mining/dewatering WUPs in Hernando County					0	Metered, mgd	
					0.020	Estimated, mgd, 4 WUPs	
					0.020	Total, mgd	
There were no metered mining/dewatering WUPs in Highlands County					0	Metered, mgd	
					0.010	Estimated, mgd, 2 WUPs	
					0.010	Total, mgd	
Hillsborough	660	Farmland Reserve, Inc	M976	G	0.001	0.498	0.003
Hillsborough	660	Farmland Reserve, Inc	M976	S	0.000	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	0.000	0.159	0.017
Hillsborough ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	1.696	69.600	44.000
Hillsborough	12836	Razorback Ranch, LLC	M965	G	0.000	0.496	0.093
Hillsborough	12836	Razorback Ranch, LLC	M965	S	0.000	0.496	0.093
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	G	0.023	1.752	0.080
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	S	0.000	1.752	0.080
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2023 ESTIMATED WATER USE REPORT

Table A-9. 2023 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category ⁴
Hillsborough County Totals					1.722	Metered, mgd	
					0.012	Estimated, mgd, 8 WUPs	
					1.734	Total, mgd	
There were no metered mining/dewatering WUPs in Lake County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
There were no metered mining/dewatering WUPs in Levy County					0	Metered, mgd	
					0	Estimated, mgd, 1 WUP	
					0	Total, mgd	
Manatee	4309	CC Manatee Development LLC	M976	G	0.008	0.624	0.009
Manatee	4309	CC Manatee Development LLC	M976	S	0.000	0.624	0.009
Manatee	11019	SMR Taylor Ranch, LLC	M976	G	0.003	1.539	0.047
Manatee	11019	SMR Taylor Ranch, LLC	M976	S	0.000	1.539	0.047
Manatee ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	3.556	69.600	44.600
Manatee County Totals					3.567	Metered, mgd	
					0.001	Estimated, mgd, 3 WUPs	
					3.568	Total, mgd	
There were no metered mining/dewatering WUPs in Marion County					0	Metered, mgd	
					0.024	Estimated, mgd, 2 WUPs	
					0.024	Total, mgd	
Pasco	13170	Angelo's Aggregate Materials Ltd.	M976	G	0.000	0.579	0.004
Pasco County Totals					0	Metered, mgd	
					0.072	Estimated, mgd, 6 WUPs	
					0.072	Total, mgd	
There were no metered mining/dewatering WUPs in Pinellas County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
Polk	1356	Preferred Materials Inc	M960	G	0.001	0.491	0.491
Polk ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	4.137	69.600	44.600
Polk ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	S	0.000	69.600	44.600
Polk	12076	Cemex Const Materials Florida, LLC	M976	G	0.010	0.097	0.047
Polk	12076	Cemex Const Materials Florida, LLC	M976	S	0.000	0.097	0.047

2023 ESTIMATED WATER USE REPORT

Table A-9. 2023 Permitted and Withdrawn Quantities for Metered Mining/Dewatering WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to M/D Use Category ⁴
Polk	12659	I-4 Sand Company, LLC	M960	G	0.028	0.778	0.062
Polk	12755	Cemex Const Materials Florida, LLC	M960	G	0.106	0.198	0.198
Polk	12755	Cemex Const Materials Florida, LLC	M960	S	0.000	0.198	0.198
Polk County Totals					4.282	Metered, mgd	
					0.079	Estimated, mgd, 9 WUPs	
					4.361	Total, mgd	
There were no metered mining/dewatering WUPs in Sarasota County					0	Metered, mgd	
					0.003	Estimated, mgd, 3 WUPs	
					0.003	Total, mgd	
Sumter	8891	Cemex Construction Materials Florida LLC	M976	G	0.000	0.206	0.101
Sumter	8891	Cemex Construction Materials Florida LLC	M976	S	0.000	0.206	0.101
Sumter	12885	Suwannee American Cement Co, LLC	M976	G	0.015	0.443	0.099
Sumter County Totals					0.015	Metered, mgd	
					0.031	Estimated, mgd, 3 WUPs	
					0.046	Total, mgd	
District Totals					12.929	Metered, mgd	
					0.388	Estimated, mgd	
					13.317	Total, mgd	

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

Notes:

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

2023 ESTIMATED WATER USE REPORT

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.

2023 ESTIMATED WATER USE REPORT

Table A-10. 2023 Metered + Estimated Mining/Dewatering Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.044	0.080	0.114	0.160	0.174	0.190	0.131	0.133	0.156	0.085	0.102	0.094
Citrus	0.005	0.007	0.008	0.015	0.039	0.041	0.013	0.019	0.026	0.012	0.012	0.010
Desoto	0.002	0.004	0.006	0.009	0.008	0.010	0.008	0.007	0.008	0.005	0.006	0.005
Hardee	2.369	2.581	3.283	2.930	3.040	2.927	3.610	3.156	6.625	2.481	3.705	3.310
Hernando	0.009	0.016	0.022	0.028	0.026	0.025	0.021	0.020	0.022	0.017	0.019	0.014
*Highlands	0.003	0.006	0.009	0.014	0.013	0.015	0.012	0.012	0.013	0.007	0.009	0.008
Hillsborough	1.502	1.805	1.344	1.922	2.316	1.832	1.772	1.375	1.975	1.613	1.509	1.860
*Lake	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
*Levy	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Manatee	3.005	3.323	0.727	3.861	3.740	2.787	3.922	4.467	3.748	4.679	4.058	4.477
*Marion	0.020	0.012	0.024	0.027	0.015	0.027	0.032	0.024	0.034	0.018	0.031	0.024
Pasco	0.057	0.037	0.072	0.083	0.048	0.083	0.094	0.072	0.100	0.055	0.090	0.072
Pinellas	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
*Polk	7.549	7.733	4.182	6.134	4.066	4.500	3.281	5.236	3.516	3.032	0.936	2.400
Sarasota	0.001	0.002	0.003	0.005	0.004	0.005	0.004	0.004	0.004	0.002	0.003	0.003
Sumter	0.030	0.044	0.029	0.055	0.091	0.080	0.032	0.040	0.057	0.027	0.034	0.033
District Total	14.596	15.650	9.823	15.244	13.580	12.522	12.932	14.565	16.284	12.032	10.513	12.309
Groundwater	14.470	15.479	9.561	14.866	13.166	12.028	12.582	14.223	15.865	11.808	10.227	12.064
Surface Water	0.126	0.171	0.262	0.378	0.414	0.494	0.350	0.342	0.419	0.224	0.286	0.245

* 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.

The average of monthly withdrawal totals from the WMIS database may vary from other tables due to MD/IC allocation adjustments on WUP 11400.

2023 ESTIMATED WATER USE REPORT

Table A-11. 2023 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
There were no metered industrial/commercial water use permits in Charlotte County					0	Metered, mgd	
					0.023	Estimated, mgd, 4 WUPs	
					0.023	Total, mgd	
Citrus	207	City of Crystal River	1840	G	0.005	0.919	0.005
Citrus	3672	Florida Power Corp DbA Duke Energy	1860	G	2.055	5.309	5.309
Citrus	9097	Tarawood Utilities, LLC/Attn: John Thrumston	1735	G	0.003	0.150	0.059
Citrus	11281	Metal Industries, LLC	1705	G	0.059	0.200	0.200
Citrus	20299	Heatherwood Investments, LLC	1735	G	0.001	0.077	0.077
Citrus County Totals					2.123	Metered, mgd	
					0.136	Estimated, mgd, 8 WUPs	
					2.259	Total, mgd	
DeSoto	70	Peace River Citrus Products, Inc	1765	G	0.246	0.400	0.400
DeSoto	6841	Desoto County BOCC	1840	G	0.307	0.822	0.822
DeSoto County Totals					0.553	Metered, mgd	
					0.053	Estimated, mgd, 4 WUPs	
					0.606	Total, mgd	
Hardee	9731	Hardee Power Partners	1725	G	2.73	3.800	3.800
Hardee ⁵	11400	Mosaic Fertilizer, LLC (Multi-County)	1835	G	0.000	69.600	25.000
Hardee	12048	Vandolah Power Company LLC	1425	G	0.019	0.212	0.212
Hardee	12331	Classic Caladiums Inc & Smoak Groves Inc	1805	G	0.038	0.929	0.086
Hardee	13158	Mooney Family, LLC	1735	G	0.000	0.449	0.449
Hardee County Totals					2.787	Metered, mgd	
					0.044	Estimated, mgd, 5 WUPs	
					2.831	Total, mgd	
Hernando	2286	Cemex Inc	1740	G	0.152	2.716	2.716
Hernando	20899	CEMEX Construction Materials Florida, LLC	1740	G	2.780	4.468	4.468
Hernando	20899	CEMEX Construction Materials Florida, LLC	1740	S	0.689	4.468	4.468
Hernando County Totals					3.622	Metered, mgd	
					0.041	Estimated, mgd, 5 WUPs	
					3.663	Total, mgd	
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2023 ESTIMATED WATER USE REPORT

Table A-11. 2023 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
There were no metered Industrial/Commercial WUPS in Highlands County					0	Metered, mgd	
					0.044	Estimated, mgd, 11 WUPs	
					0.044	Total, mgd	
Hillsborough	148	Yuengling Brewing Co of Tampa Inc	1513	G	0.311	0.666	0.666
Hillsborough	229	RCCI (Red Chamber Co Inc)	1830	G	0.167	0.214	0.214
Hillsborough	405	Tampa Seaboard, LLC	1501	G	0.000	0.100	0.100
Hillsborough	1415	Mosaic Fertilizer, LLC	1835	G	1.590	4.240	4.240
Hillsborough	1415	Mosaic Fertilizer, LLC	1835	S	0.000	4.240	4.240
Hillsborough	1532	Mosaic Fertilizer, LLC	1755	G	0.007	5.985	5.985
Hillsborough	1532	Mosaic Fertilizer, LLC	1755	S	2.649	5.985	5.985
Hillsborough	3050	Tampa Port Services	1408	G	0.000	4.250	4.250
Hillsborough	3118	Kerry I & F Contracting Company	1800	G	1.648	3.050	3.050
Hillsborough	3742	GBA PC LLC	1511	G	0.002	0.228	0.228
Hillsborough	6233	Tampa Electric Company	1863	G	0.000	0.234	0.234
Hillsborough	7586	Dover RE Holdings, LLC	1519	G	0.000	0.106	0.072
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	1477	G	0.000	0.027	0.001
Hillsborough	9658	Keel Farms, Inc	1840	G	0.001	0.065	0.002
Hillsborough	9658	Keel Farms, Inc	1840	S	0.000	0.065	0.002
Hillsborough	11400	Mosaic Fertilizer, LLC (Multi-County)	1835	G	0.123	69.600	25.000
Hillsborough	11181	Tampa Electric Company	1840	G	0.000	1.591	0.004
Hillsborough	11576	Tampa Electric Company	1472	G	0.001	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	0.545	4.250	4.250
Hillsborough	20215	Trademark Nitrogen, Corp	1503	G	0.233	0.275	0.275
Hillsborough	20348	Visio Clara, LLC	1790	G	0.000	0.047	0.000
Hillsborough	20974	Aramark Uniform & Career Apparel, LLC	1519	G	0.012	0.100	0.100
Hillsborough County Totals					7.290	Metered, mgd	
					0.318	Estimated, mgd, 40 WUPs	
					7.608	Total, mgd	
There were no industrial/commercial WUPs in Lake County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	

2023 ESTIMATED WATER USE REPORT

Table A-11. 2023 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
There were no metered industrial/commercial WUPs in Levy County					0	Metered, mgd	
					0.010	Estimated, mgd, 7 WUPs	
					0.010	Total, mgd	
Manatee	503	DFM Properties, LLC	1840	G	0.000	0.875	0.001
Manatee	5302	FPL Manatee Plant	1861	S	1.743	8.519	8.519
Manatee	5423	Florida Power & Light Company	1865	G	0.016	0.882	0.072
Manatee	11019	SMR Taylor Ranch, LLC	1477	G	0.000	1.539	0.000
Manatee	11019	SMR Taylor Ranch, LLC	1477	S	0.000	1.539	0.000
Manatee	12413	Waste Management Inc. of Florida	1805	G	0.003	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	0.170	0.230	0.230
Manatee County Totals					1.933	Metered, mgd	
					0.135	Estimated, mgd, 15 WUPs	
					2.068	Total, mgd	
There were no metered industrial/commercial WUPs in Marion County					0	Metered, mgd	
					0.030	Estimated, mgd, 4 WUPs	
					0.030	Total, mgd	
Pasco	451	Tanler Water Company	1805	G	0.195	3.514	3.514
Pasco	9087	Pasco County Utilities	1780	G	0.366	0.72	0.72
Pasco	9132	Crystal Springs Preserve Inc	1735	G	0.054	0.85	0.85
Pasco	9132	Crystal Springs Preserve Inc	1735	S	0.484	0.85	0.85
Pasco	10772	Duke Energy Florida, LLC	1865	G	0.15	0.288	0.288
Pasco	12052	Shady Hills Power Company, LLC	1425	G	0.003	0.154	0.154
Pasco	12784	Order of Saint Benedict of Florida	1477	G	0.001	0.143	0.012
Pasco County Totals					1.253	Metered, mgd	
					0.088	Estimated, mgd, 11 WUPs	
					1.341	Total, mgd	
There were no metered industrial/commercial water use permits in Pinellas County					0.000	Metered, mgd	
					0.157	Estimated, mgd, 5 WUPs	
					0.157	Total, mgd	
Polk	47	City of Lakeland	1435	G	0.182	2.592	2.592
Polk	47	City of Lakeland	1435	S	0.000	2.592	2.592

2023 ESTIMATED WATER USE REPORT

Table A-11. 2023 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Polk	143	Mountain Lake Corporation	1840	G	0.037	3.294	0.056
Polk	225	Interstate Commerce Park One, LLC	1810	G	0.050	0.026	0.026
Polk	260	Haven Realty Partners, LLC	1800	G	0.000	0.112	0.112
Polk	295	City of Lakeland	1447	S	0.286	0.415	0.415
Polk	408	Citrus World, Inc	1765	G	1.541	2.139	2.139
Polk	438	U.S. Agri-Chemicals Corp	1835	G	4.329	5.700	5.700
Polk	438	U.S. Agri-Chemicals Corp	1835	S	0.000	5.700	5.700
Polk	440	U.S. Agri-Chemicals Corp	1859	G	0.027	0.063	0.063
Polk	493	Cutrale Citrus Juices USA Inc	1765	G	0.823	2.500	2.500
Polk	610	Mosaic Fertilizer, LLC	1835	G	0.963	1.665	1.665
Polk	2834	Bartow Citrus Products, LLC	1765	G	0.071	0.385	0.385
Polk	3147	Clear Springs Enterprises LLC	1411	G	0.097	0.478	0.199
Polk	3641	AOC, LLC	1780	G	0.032	0.601	0.601
Polk	5798	Publix Super Markets Inc	1412	G	1.041	1.441	1.441
Polk	5798	Publix Super Markets Inc	1412	S	0.016	1.441	1.441
Polk	8753	GCP Plantation Landings, LLC	1478	G	0.013	0.070	0.013
Polk	10347	Auburndale Plant Holdings, LLC	1800	G	0.174	0.300	0.300
Polk	10555	Lake Alfred Holdings, LLC	1780	G	0.223	0.377	0.377
Polk	10575	Surterra Lakeland, LLC	1700	G	0.002	0.070	0.005
Polk	10631	Polk County BOCC	1785	G	0.000	0.875	0.875
Polk	10700	Polk Power Partners LP	1865	G	0.324	0.761	0.761
Polk	10770	Refresco Florida, Inc	1420	G	0.518	0.900	0.900
Polk	10840	Duke Energy & U.S. Agri-Chemicals Corp	1861	G	0.874	1.700	1.700
Polk	10944	Duke Energy Florida	1861	G	0.252	17.500	17.500
Polk	10948	Orange Cogeneration Limited Partnership	1860	G	0.344	0.660	0.660
Polk	11400	Mosaic Fertilizer, LLC (Multi-County w Sarasota)	1859	G	14.663	69.600	24.995
Polk	11400	Mosaic Fertilizer, LLC	1859	S	0.000	69.600	24.995
Polk	11747	Tampa Electric Company	1863	G	1.504	4.300	4.300
Polk	12054	Duke Energy Florida, LLC	1861	G	1.478	2.742	2.742
Polk	12076	Cemex Construction Materials Florida, LLC	1745	G	0.011	0.097	0.050
Polk	12076	Cemex Construction Materials Florida, LLC	1745	S	0.000	0.097	0.050
Polk	12232	Citrosuco North America	1765	G	0.397	1.638	1.317
Polk	12867	Clear Springs Enterprises LLC	1840	G	0.000	1.299	0.000

2023 ESTIMATED WATER USE REPORT

Table A-11. 2023 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Polk	12867	Clear Springs Enterprises LLC	I840	S	0.000	1.299	0.000
Polk	13068	GrowHealthy Properties, LLC	I447	G	0.012	0.128	0.039
Polk	20789	Nucor Steel Florida Inc	I429	G	0.311	0.670	0.397
Polk County Totals					30.599	Metered, mgd	
					0.655	Estimated, mgd, 69 WUPs	
					31.254	Total, mgd	
There were no metered industrial/commercial WUPs in Sarasota County					0	Metered, mgd	
					0.095	Estimated, mgd, 8 WUPs	
					0.095	Total, mgd	
Sumter	2180	Sumter, LLC	I735	G	0.000	1.026	0.350
Sumter	6838	Florida Department of Corrections	I840	G	0.336	0.431	0.408
Sumter	8193	City of Center Hill	I820	G	0.007	0.15	0.014
Sumter	8891	Cemex Construction Materials Florida, LLC	I411	G	0	0.206	0.105
Sumter	8891	Cemex Construction Materials Florida, LLC	I411	S	0	0.206	0.105
Sumter	11259	Sumter County Public Works Department	I805	G	0.031	0.049	0.049
Sumter	12885	Suwannee American Cement Company, LLC	I740	G	0.051	0.443	0.344
Sumter	13111	William Farkus Rev Living Trust	I735	G	0.015	0.496	0.496
Sumter	20576	SWR Properties, LLC	I735	G	0.000	0.496	0.496
Sumter County Totals					0.440	Metered, mgd	
					0.290	Estimated, mgd, 14 WUPs	
					0.730	Total, mgd	
District Totals					50.600	Metered, mgd	
					2.119	Estimated, mgd	
					52.719	Total, mgd	

Notes on next page.

2023 ESTIMATED WATER USE REPORT

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.

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.

2023 ESTIMATED WATER USE REPORT

Table A-12. 2023 Metered + Estimated Industrial/Commercial Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.010	0.023	0.024	0.027	0.027	0.023	0.024	0.027	0.027	0.020	0.024	0.025
Citrus	1.389	1.211	2.390	2.695	1.948	2.485	3.129	3.179	2.256	1.787	2.874	1.769
Desoto	0.640	0.756	0.764	0.667	0.663	0.677	0.673	0.579	0.344	0.418	0.578	0.513
Hardee	2.641	2.655	2.706	2.659	2.623	3.032	3.113	3.213	2.853	3.029	2.407	3.037
Hernando	4.862	6.714	7.874	4.525	5.394	1.821	1.452	1.382	1.634	2.328	3.137	2.832
*Highlands	0.019	0.043	0.046	0.051	0.050	0.042	0.045	0.049	0.050	0.038	0.045	0.046
Hillsborough	8.031	8.327	10.038	10.468	9.432	7.892	6.344	6.093	5.616	6.318	6.851	5.873
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.004	0.010	0.010	0.012	0.011	0.009	0.010	0.011	0.011	0.008	0.010	0.010
Manatee	1.148	0.387	0.408	0.333	0.673	3.933	0.319	1.383	10.365	4.330	0.310	1.223
*Marion	0.013	0.030	0.032	0.036	0.035	0.030	0.032	0.035	0.036	0.026	0.032	0.033
Pasco	1.179	1.447	1.350	1.479	1.373	1.453	1.448	1.507	1.507	1.096	1.240	1.024
Pinellas	0.065	0.153	0.163	0.183	0.179	0.153	0.163	0.179	0.183	0.134	0.163	0.166
*Polk	22.309	22.880	23.142	24.823	25.341	25.939	26.902	30.063	29.585	29.121	28.260	27.890
Sarasota	0.069	0.125	0.113	0.116	0.111	0.091	0.119	0.108	0.076	0.050	0.093	0.067
Sumter	0.581	0.745	0.842	0.850	0.796	0.703	0.738	0.843	0.725	0.627	0.696	0.596
District Total	42.960	45.506	49.902	48.924	48.656	48.283	44.511	48.651	55.268	49.330	46.720	45.103
Groundwater	37.775	41.289	45.464	44.619	44.400	40.263	40.474	43.647	41.755	41.505	41.750	39.887
Surface Water	5.185	4.217	4.438	4.305	4.256	8.020	4.037	5.004	13.513	7.825	4.970	5.216

* 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.

The average of monthly withdrawal totals from the WMIS database may vary from other tables due to MD/IC allocation adjustments on WUP 11400.

2023 ESTIMATED WATER USE REPORT

Table A-13. 2023 Permitted and Withdrawn Quantities for Institutional and “Other” WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Charlotte	11792	Charlotte County School Board	N485	G (est.)	0.015	0.027	0.027
Charlotte County Total					0.015	Total, mgd	
Citrus	7823	College of Central Florida	N484	G (est.)	0.006	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.)	0.002	0.003	0.003
Citrus County Total					0.008	Total, mgd	
Desoto	6458	School Board of DeSoto County	N485	G (est.)	0.012	0.048	0.017
DeSoto County Total					0.012	Total, mgd	
Hardee	145	COCC, Inc	N498	G (est.)	0.002	0.012	0.002
Hardee	9550	Florida Department of Corrections	N499	G (metered)	0.413	0.283	0.283
Hardee	11189	Second Mineral, LLC	N487	G (metered)	0.000	0.284	0.000
Hardee	11858	Lakeside Wauchula REO, LLC	N484	G (metered)	0.001	0.141	0.141
Hardee	11858	Lakeside Wauchula REO, LLC	N484	S (metered)	0.000	0.141	0.141
Hardee County Total					0.416	Total, mgd	
There were no Institutional or "Other" WUPs in Hernando County							
Highlands	7736	Dist. Adv. Bd., Church of the Nazarene, Inc	N499	G (est.)	0.013	0.024	0.024
Highlands	9144	Highlands County School Board	N484	G (est.)	0.008	0.015	0.015
Highlands	9494	Highlands County School Board	N485	G (est.)	0.006	0.010	0.010
Highlands	10569	Highlands County School Board	N484	G (est.)	0.007	0.013	0.013
Highlands County Total					0.034	Total, mgd	
Hillsborough	354	Pinellas County	O508	G (metered)	0.000	0.220	0.220
Hillsborough	689	Hillsborough County School Board	N484	G (metered)	0.139	0.142	0.139
Hillsborough	1857	Hillsborough County School Board	N484	G (metered)	0.022	0.082	0.082
Hillsborough	1960	University of South Florida	N499	G (metered)	1.990	2.364	2.337
Hillsborough	1960	University of South Florida	N499	S (metered)	0.029	2.364	2.337
Hillsborough	2574	South Florida Baptist Hospital, Inc	N486	G (est.)	0.004	0.007	0.007
Hillsborough	6580	Hillsborough County BOCC Fire Rescue	N499	G (est.)	0.000	0.001	0.001
Hillsborough	7920	Trustees of the Internal Improvement Trust Fund	N505	G (est.)	0.002	0.003	0.003
Hillsborough	8066	First United Methodist Church of Lutz, Inc	N484	G (est.)	0.002	0.003	0.003
Hillsborough	8717	Hillsborough County School Board	N499	G (metered)	0.017	0.023	0.017

2023 ESTIMATED WATER USE REPORT

Table A-13. 2023 Permitted and Withdrawn Quantities for Institutional and “Other” WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Hillsborough	8722	Hillsborough County School Board	N499	G (est.)	0.013	0.027	0.024
Hillsborough	10977	Florida Dept of Juvenile Justice	N499	G (est.)	0.002	0.005	0.005
Hillsborough	11139	Richard and Karalyn Maestrelli	O508	G (metered)	0.019	0.107	0.107
Hillsborough	11425	John and Christine Romer	O508	G (metered)	0.063	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)	0.111	0.192	0.192
Hillsborough	12140	St. Joseph's Hospital, Inc	N486	G (metered)	0.026	0.124	0.124
Hillsborough	20293	Saint Joseph's Health Care, Inc	N498	G (est.)	0.002	0.003	0.003
Hillsborough	20390	Hillsborough County Hospital Authority	N486	G (est.)	0.000	0.002	0.002
Hillsborough	20574	Southwest Florida Water Management District	O508	G (est.)	0.000	2.071	2.071
Hillsborough	20802	City of Tampa	O508	S (metered)	1.886	7.100	7.100
Hillsborough	20913	H. Lee Moffitt Cancer Center & Research Institute	N486	G (est.)	0.074	0.099	0.099
Hillsborough County Total					4.401	Total, mgd	
There were no Institutional or "Other" WUPs in Lake County							
Levy	9610	Solera, LLC	N485	G (est.)	0.002	0.003	0.003
Levy County Total					0.002	Total, mgd	
There were no Institutional or "Other" WUPs in Manatee County							
Marion	6888	Marion County School Board	N499	G (est.)	0.038	0.071	0.071
Marion County Total					0.034	Total, mgd	
Pasco	2296	Saint Leo University, Inc	N499	G (metered)	0.286	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.	O508	G (metered)	0.143	0.800	0.799
Pasco	4801	Pasco County School Board	N499	G (est.)	0.014	0.027	0.027
Pasco	4986	Pasco County School Board (Pasco High School)	N485	G (est.)	0.007	0.013	0.013
Pasco	11127	Tampa Bay Water	O508	G (metered)	0.566	0.498	0.498
Pasco	11129	Tampa Bay Water	O508	G (metered)	0.000	0.416	0.416
Pasco	11558	Pinellas County Utilities Dept.	O508	G (metered)	0.155	1.343	1.343
Pasco	13348	Pasco County BOCC	O508	S (metered)	0.007	0.180	0.180
Pasco	20500	Dillard Cattle Company, LLC	O508	G (metered)	0.489	1.540	1.540
Pasco	20987	BayCare Health System, Inc	N499	G (metered)	0.001	0.002	0.002
Pasco	21113	Starkey Ranch Asset, LLC	N499	G (est.)	0.001	0.001	0.001

2023 ESTIMATED WATER USE REPORT

Table A-13. 2023 Permitted and Withdrawn Quantities for Institutional and “Other” WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Pasco County Total					1.669	Total, mgd	
Pinellas	13276	Johns Hopkins All Children's Hospital, Inc	N486	G (metered)	0.008	0.019	0.019
Pinellas	20775	Trustees of Mease Hospital, Inc	N486	G (est.)	0.000	0.006	0.006
Pinellas County Total					0.008	Total, mgd	
Polk	494	Florida Department of Corrections	N499	G (metered)	0.213	0.253	0.253
Polk	3821	U.S. Chelonian Breeding & Research Center	O509	G (est.)	0.051	0.222	0.222
Polk	6004	Bridge Cranes of America, LLC	N499	G (est.)	0.001	0.001	0.001
Polk	6559	Alcoma Properties Ltd	O510	G (est.)	0.000	0.000	0.000
Polk	6813	Florida Fish & Wildlife Conservation Com	N490	G (est.)	0.001	0.002	0.002
Polk	12713	Florida Fish & Wildlife Conservation Com	O510	G (est.)	0.002	0.009	0.003
Polk	20753	Vanguard School of Lake Wales	N499	G (est.)	0.021	0.039	0.039
Polk County Total					0.288	Total, mgd	
Sarasota	9483	School Board of Sarasota County	N485	G (est.)	0.027	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)	0.052	0.109	0.109
Sarasota County Total					0.079	Total, mgd	
There were no Institutional or "Other" WUPs in Sumter County							
District Totals					6.635	Metered, mgd	
					0.335	Estimated, mgd	
					6.970	Total, mgd	

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.

2023 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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2023 ESTIMATED WATER USE REPORT

Table A-14. 2023 Metered + Estimated Institutional and “Other” Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.013	0.015	0.016	0.017	0.011	0.014	0.008	0.007	0.008	0.020	0.022	0.021
Citrus	0.007	0.008	0.009	0.010	0.007	0.008	0.005	0.004	0.005	0.011	0.012	0.011
Desoto	0.011	0.017	0.021	0.019	0.017	0.006	0.007	0.006	0.007	0.016	0.014	0.007
Hardee	0.419	0.517	0.375	0.361	0.453	0.338	0.365	0.351	0.343	0.536	0.507	0.424
Hernando	0	0	0	0	0	0	0	0	0	0	0	0
*Highlands	0.031	0.035	0.037	0.040	0.027	0.033	0.020	0.015	0.020	0.047	0.052	0.048
Hillsborough	1.349	2.075	4.600	9.634	9.586	4.437	2.207	2.445	2.429	6.030	4.626	3.406
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.001	0.002	0.002	0.002	0.001	0.002	0.001	0.001	0.001	0.002	0.002	0.002
Manatee	0	0	0	0	0	0	0	0	0	0	0	0
*Marion	0.035	0.040	0.042	0.045	0.030	0.038	0.022	0.017	0.022	0.053	0.058	0.054
Pasco	0.256	0.758	1.266	1.617	1.648	1.743	2.147	1.920	2.264	3.035	1.784	1.577
Pinellas	0.000	0.001	0.001	0.001	0.001	0.001	0.000	0.000	0.001	0.001	0.089	0.000
*Polk	0.234	0.234	0.291	0.433	0.231	0.244	0.254	0.301	0.279	0.445	0.255	0.252
Sarasota	0.046	0.061	0.080	0.081	0.029	0.449	0.026	0.025	0.029	0.038	0.042	0.039
Sumter	0	0	0	0	0	0	0	0	0	0	0	0
District Total	2.402	3.763	6.740	12.260	12.041	7.313	5.062	5.092	5.408	10.234	7.463	5.841
Groundwater	2.395	3.352	4.104	5.894	5.104	6.140	5.009	5.006	5.378	8.091	5.349	4.728
Surface Water	0.007	0.411	2.636	6.366	6.937	1.173	0.053	0.086	0.030	2.143	2.114	1.113

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

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

APPENDIX B

**2023 METERED + ESTIMATED ANNUAL AVERAGE
GROUNDWATER & SURFACE WATER WITHDRAWALS**

2023 ESTIMATED WATER USE REPORT

Table B-1. 2023 Metered + Estimated Annual Average Withdrawals (mgd) in the District by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional / Other	Total Withdrawal
GROUNDWATER (76%)							
*Charlotte	5.119	0.023	0.007	6.757	0.979	0.015	12.900
Citrus	1.527	2.259	0.007	17.331	2.643	0.008	23.775
Desoto	49.253	0.606	0	0.901	0.169	0.014	50.943
Hardee	33.513	2.831	3.334	1.382	0.156	0.414	41.630
Hernando	1.457	2.974	0.016	23.458	2.814	0	30.719
*Highlands	30.117	0.044	0.001	8.617	1.912	0.037	40.728
Hillsborough	43.690	4.935	1.724	69.792	10.096	2.483	132.720
*Lake	0.792	0	0	0	0	0	0.792
*Levy	8.625	0.010	0	0.823	0.225	0.002	9.685
Manatee	38.476	0.325	3.568	14.883	15.104	0	72.356
*Marion	2.752	0.030	0.024	15.353	3.003	0.038	21.200
Pasco	5.641	0.857	0.003	67.183	3.160	1.662	78.506
Pinellas	0.002	0.157	0	30.453	2.326	0.008	32.946
*Polk	65.862	30.938	4.303	85.177	8.249	0.288	194.817
Sarasota	3.970	0.090	0	24.107	8.924	0.079	37.170
Sumter	6.835	0.726	0.021	22.531	4.079	0	34.192
GW Subtotals	297.631	46.805	13.008	388.748	63.839	5.048	815.079
% of GW	37%	6%	2%	48%	8%	0.6%	100%
SURFACE WATER (24%)							
*Charlotte	2.466	0	0.115	4.230	0.690	0	7.501
Citrus	0.028	0	0.010	0	0.160	0	0.198
Desoto	0.323	0	0.006	31.047	0	0	31.376
Hardee	1.005	0	0	0	0	0	1.005
Hernando	0.027	0.689	0.004	0	0	0	0.72
*Highlands	3.507	0	0.009	0.005	0.173	0	3.694
Hillsborough	2.497	2.673	0.010	150.636	1.033	1.915	158.764
*Lake	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0
Manatee	0.255	1.743	0	41.355	0.463	0	43.816
*Marion	0	0	0	0	0	0	0
Pasco	0.046	0.484	0.069	0	0.047	0.007	0.653
Pinellas	0	0	0	0	0.994	0	0.994
*Polk	2.300	0.316	0.058	0.010	0.317	0	3.001
Sarasota	0.111	0.005	0.003	1.625	2.087	0	3.831
Sumter	0	0.004	0.025	6.889	0	0	6.918
District SW	12.565	5.914	0.309	235.797	5.964	1.922	262.471
% of SW	5%	2%	0%	90%	2%	1%	100%
District Totals	310.196	52.719	13.317	624.545	69.803	6.970	1,077.550
% of Total	29%	5%	1%	58%	6%	0.6%	100%

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

Table does not include the Domestic Self-Supply category, or Seawater Desalination, because they are non-WUP sources.

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

2023 ESTIMATED WATER USE REPORT

Table B-2. 2023 Metered + Estimated Average Annual Withdrawal (mgd) in the Southern Water Use Caution Area (SWUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional / Other	Total Withdrawal
GROUNDWATER (81%)							
*Charlotte	5.119	0.023	0.007	6.757	0.979	0.015	12.900
Desoto	49.253	0.606	0	0.901	0.169	0.014	50.943
Hardee	33.513	2.831	3.334	1.382	0.156	0.414	41.630
*Highlands	30.117	0.044	0.001	8.617	1.912	0.037	40.728
*Hillsborough	21.166	0.791	1.721	27.737	4.049	0.041	55.505
Manatee	38.476	0.325	3.568	14.883	15.104	0.000	72.356
*Polk	60.843	30.774	4.160	73.401	6.386	0.023	175.587
Sarasota	3.970	0.090	0	24.107	8.924	0.079	37.170
SWUCA GW Subtotals	242.457	35.484	12.791	157.785	37.679	0.623	486.819
% of GW	50%	7%	3%	32%	8%	0.1%	100%
SURFACE WATER (19%)							
*Charlotte	2.466	0	0.115	4.23	0.690	0	7.501
Desoto	0.323	0	0.006	31.047	0	0	31.376
Hardee	1.005	0	0	0	0	0	1.005
*Highlands	3.507	0.000	0.009	0.005	0.173	0	3.694
*Hillsborough	0.989	2.656	0.005	16.409	0.087	0	20.146
Manatee	0.255	1.743	0	41.355	0.463	0	43.816
*Polk	2.235	0.315	0.037	0.010	0.294	0	2.891
Sarasota	0.111	0.005	0.003	1.625	2.087	0	3.831
SWUCA SW Subtotals	10.891	4.719	0.175	94.681	3.794	0	114.260
% of SW	10%	4%	0%	83%	3%	0%	100%
SWUCA Totals	253.348	40.203	12.966	252.466	41.473	0.623	601.079
% of SWUCA	42%	7%	2%	42%	7%	0%	100%
**SWUCA % of Districtwide Totals	82%	76%	97%	40%	59%	9%	56%

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

2023 ESTIMATED WATER USE REPORT

Table B-3. 2023 Metered + Estimated Average Annual Withdrawal (mgd) in the Most Impacted Area (MIA) of the SWUCA by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional /Other	Total Withdrawal
GROUNDWATER (60%)							
Hillsborough	13.284	0.098	0.025	0.142	3.701	0.028	17.278
Manatee	20.470	0.314	0.010	0.006	15.168	0	35.968
Sarasota	1.045	0.034	0	10.821	1.846	0	13.746
MIA GW Subtotal	34.799	0.446	0.035	10.969	20.715	0.028	66.992
% of GW	52%	1%	0.1%	16%	31%	0.0%	100%
SURFACE WATER (40%)							
Hillsborough	0.270	0.002	0.005	0.001	0.078	0	0.356
Manatee ¹	0.106	1.743	0	41.355	0.463	0	43.667
Sarasota	0.054	0	0	0	0.088	0	0.142
MIA SW Subtotals	0.430	1.745	0.005	41.356	0.629	0	44.165
% of SW	1%	4%	0%	94%	1%	0%	100%
MIA Total	35.229	2.191	0.04	52.325	21.344	0.028	111.157
% of MIA	32%	2%	0.0%	47%	19%	0.03%	100%
* % of SWUCA Total	14%	5%	0.3%	21%	51%	4%	18%
** % of Districtwide Total	11%	4%	0.3%	8%	31%	0.4%	10%

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

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

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

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

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

2023 ESTIMATED WATER USE REPORT

Table B-4. 2023 Metered + Estimated Average Annual Withdrawal (mgd) in the Northern Tampa Bay Water Use Caution Area (NTB WUCA), by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (57%)							
*Hillsborough	22.524	4.144	0.003	42.055	6.047	2.442	77.215
Pasco	5.641	0.857	0.003	67.183	3.160	1.662	78.506
Pinellas	0.002	0.157	0	30.453	2.326	0.008	32.946
NTB WUCA GW Subtotal	28.167	5.158	0.006	139.691	11.533	4.112	188.667
% of GW	15%	3%	0%	74%	6%	2%	100%
SURFACE WATER (43%)							
*Hillsborough	1.508	0.017	0.005	134.227	0.946	1.915	138.618
Pasco	0.046	0.484	0.069	0	0.047	0.007	0.653
Pinellas	0	0	0	0	0.994	0	0.994
NTB WUCA SW Subtotal	1.554	0.501	0.074	134.227	1.987	1.922	140.265
% of SW	1%	0.4%	0.05%	96%	1%	1.4%	100%
NTB WUCA Total	29.721	5.659	0.080	273.918	13.520	6.034	328.932
% of NTB WUCA	9%	2%	0.02%	83%	4%	2%	100%
**% of District Total	10%	11%	0.6%	44%	19%	87%	31%

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

2023 ESTIMATED WATER USE REPORT

Table B-5. 2023 Metered + Estimated Annual Average Withdrawal (mgd) in the Dover/Plant City Water Use Caution Area (DPC WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (97%)							
Hillsborough	24.588	1.866	0	25.900	0.202	0.016	52.572
Polk	0.628	0.179	0	4.637	0.006	0	5.450
DPC WUCA GW Subtotal	25.216	2.045	0	30.537	0.208	0.016	58.022
% of GW	43%	4%	0%	53%	0.4%	0.03%	100%
SURFACE WATER (3%)							
Hillsborough	1.961	0.003	0	0	0	0	1.964
Polk	0	0	0	0	0	0	0
DPC WUCA SW Subtotal	1.961	0.003	0	0	0	0	1.964
% of SW	100%	0.2%	0%	0%	0%	0%	100%
DPC WUCA Total	27.177	2.048	0	30.537	0.208	0.016	59.986
% of DPC WUCA	45%	3%	0%	51%	0.3%	0.027%	100%
* % of District Total	9%	4%	0%	5%	0.3%	0.2%	6%

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

2023 ESTIMATED WATER USE REPORT

Table B-6. 2023 Metered + Estimated Average Annual Withdrawal (mgd) in the FARMS Upper Myakka Priority Watershed by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (99.7%)							
Hardee	0.002	0	0	0	0	0	0.002
Manatee	11.757	0.017	0.177	0.002	0.016	0	11.969
Sarasota	2.730	0	0	3.008	0	0	5.738
GW Subtotal	14.489	0.017	0.177	3.010	0.016	0	17.709
% of GW	82%	0.10%	1.0%	17%	0.1%	0%	100%
SURFACE WATER (0.3%)							
Hardee	0	0	0	0	0	0	0
Manatee	0	0	0	0	0	0	0.000
Sarasota	0.045	0	0.002	0	0	0	0.047
SW Subtotals	0.045	0	0.002	0	0	0	0.047
% of SW Subtotals	96%	0%	4%	0%	0%	0%	100%
GW+SW Total	14.534	0.017	0.179	3.010	0.016	0	17.756
% of Total	82%	0.10%	1.0%	17%	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.

2023 ESTIMATED WATER USE REPORT

**Table B-7. 2023 Metered + Estimated Annual Average Withdrawal (mgd) in the FARMS
Shell Creek Priority Watershed by Source, Use Category, and County**

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (56%)							
Charlotte	4.924	0	0.006	3.470	0.094	0	8.494
DeSoto	0.030	0	0	0	0	0	0.030
GW Subtotals	4.954	0	0.006	3.470	0.094	0	8.524
% of GW Subtotals	58%	0%	0.1%	41%	1%	0%	100%
SURFACE WATER (44%)							
Charlotte	2.365	0	0.064	4.23	0	0	6.659
DeSoto	0.112	0	0	0	0	0	0.112
SW Subtotals	2.477	0	0.064	4.230	0	0	6.771
% of SW Subtotals	37%	0%	1%	62%	0%	0%	100%
GW+SW Subtotals	7.431	0.000	0.070	7.700	0.094	0	15.295
% Totals	49%	0%	0.5%	50%	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.

APPENDIX C

2023 PERMITTED

GROUNDWATER & SURFACE WATER

ANNUAL AVERAGE QUANTITIES

2023 ESTIMATED WATER USE REPORT

Table C-1. 2023 Total Permitted Average Annual Quantities (mgd) in the District by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (79%)							
*Charlotte	20.455	0.049	0.015	13.232	2.924	0.027	36.702
Citrus	3.940	6.127	0.067	20.760	4.270	0.015	35.179
DeSoto	108.148	1.372	0.017	10.994	0.911	0.017	121.459
Hardee	74.548	4.707	6.369	1.728	0.180	0.426	87.958
Hernando	3.166	5.787	0.286	26.930	5.068	0	41.237
*Highlands	51.454	0.129	0.003	11.229	2.735	0.063	65.613
Hillsborough	88.524	18.737	0.130	141.020	15.265	5.547	269.223
*Lake	1.664	0	0	0	0	0	1.664
*Levy	22.493	1.600	0.001	1.077	0.309	0.003	25.483
Manatee	147.665	0.715	0.057	21.940	27.976	0	198.353
*Marion	10.850	0.080	0.086	18.937	4.230	0.071	34.254
Pasco	15.734	5.683	0.045	20.699	6.329	5.031	53.521
Pinellas	0.052	0.326	0	27.472	4.091	0.025	31.966
*Polk	108.684	74.837	45.258	131.412	12.664	0.520	373.375
Sarasota	15.901	0.205	0	47.853	16.607	0.160	80.726
Sumter	16.164	2.908	0.145	31.609	14.984	0	65.810
GW Subtotal	689.442	123.262	52.479	526.892	118.543	11.905	1,522.523
% of GW	45%	8%	3%	35%	8%	1%	100%
SURFACE WATER (21%)							
*Charlotte	5.206	0	0.54	11.744	2.385	0	19.875
Citrus	0.037	0.001	0.071	0	0.189	0	0.298
DeSoto	5.841	0	0.037	70.176	0	0	76.054
Hardee	3.210	0	0	0	0	0	3.210
Hernando	0.054	1.487	0.026	0	0.498	0	2.065
*Highlands	5.657	0.001	0.027	0.018	0.026	0	5.729
Hillsborough	6.736	6.087	0.395	205.791	2.519	7.123	228.651
*Lake	0.078	0	0	0	0	0	0.078
*Levy	0	0	0.122	0	0	0	0.122
Manatee	1.503	8.528	0.228	41.850	0.397	0	52.506
*Marion	0	0.001	0.040	0	0.249	0	0.290
Pasco	0.108	0.206	0.289	0	0.891	0.180	1.674
Pinellas	0.030	0.002	0	0	1.790	0	1.822
*Polk	3.909	2.021	0.708	0.213	0.625	0	7.476
Sarasota	0.230	0.029	0.023	3.788	2.775	0	6.845
Sumter	0	0.113	0.481	0	0	0	0.594
SW Subtotal	32.599	18.476	2.987	333.580	12.344	7.303	407.289
% of SW	8%	5%	1%	82%	3%	2%	100%
District Total	722.041	141.738	55.466	860.472	130.887	19.208	1,929.812
% of District Total	37%	7%	3%	45%	7%	1%	100%

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

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

2023 ESTIMATED WATER USE REPORT

Table C-2. 2023 Total Permitted Average Annual Quantities (mgd) in the Southern Water Use Caution Area (SWUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (84%)							
*Charlotte	20.455	0.049	0.015	13.232	2.924	0.027	36.702
DeSoto	108.148	1.372	0.017	10.994	0.911	0.017	121.459
Hardee	74.548	4.707	6.369	1.728	0.180	0.426	87.958
*Highlands	51.454	0.129	0.003	11.229	2.735	0.063	65.613
*Hillsborough	49.041	9.136	0.122	27.459	6.262	0.117	92.137
Manatee	147.665	0.715	0.057	21.940	27.976	0	198.353
*Polk	97.142	73.888	44.524	115.382	10.272	0.042	341.250
Sarasota	15.901	0.205	0	47.853	16.607	0.160	80.726
GW Subtotal	564.354	90.201	51.107	249.817	67.867	0.852	1,024.198
% SWUCA GW	55%	9%	5%	24%	7%	0.1%	100%
SURFACE WATER (16%)							
*Charlotte	5.206	0.000	0.540	11.744	2.385	0	19.875
DeSoto	5.841	0	0.037	70.176	0	0	76.054
Hardee	3.210	0	0	0	0	0	3.210
*Highlands	5.657	0.001	0.027	0.018	0.026	0	5.729
*Hillsborough	4.498	5.985	0.308	18.705	0.622	0	30.118
Manatee	1.503	8.528	0.228	41.850	0.397	0	52.506
*Polk	3.641	2.015	0.480	0.213	0.597	0	6.946
Sarasota	0.230	0.029	0.023	3.788	2.775	0	6.845
SW Subtotal	29.786	16.558	1.643	146.494	6.802	0	201.283
% SWUCA SW	15%	8%	1%	73%	3%	0%	100%
SWUCA Total	594.14	106.759	52.75	396.311	74.669	0.852	1,225.481
% of SWUCA	48%	9%	4%	32%	6%	0.1%	100%
**SWUCA % of Districtwide Total	82%	75%	95%	46%	57%	4%	64%

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.

2023 ESTIMATED WATER USE REPORT

Table C-3. 2023 Total Permitted Average Annual Quantities (mgd) in the Most Impacted Area of the SWUCA by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (77%)							
Hillsborough	31.210	4.829	0.120	2.486	5.342	0.093	44.080
Manatee	74.666	0.574	0.053	3.965	27.714	0	106.972
Sarasota	3.356	0.073	0	26.080	3.333	0.001	32.843
GW Subtotal	109.232	5.476	0.173	32.531	36.389	0.094	183.895
% of GW	59%	3%	0.1%	18%	20%	0.1%	100%
SURFACE WATER (23%)							
Hillsborough	1.475	0.003	0.272	0.002	0.611	0	2.363
Manatee	0.302	8.519	0.060	41.850	0.397	0	51.128
Sarasota	0.071	0	0.012	0	0.117	0	0.200
SW Subtotal	1.848	8.522	0.344	41.852	1.125	0	53.691
% of SW	3%	16%	1%	78%	2%	0%	100%
MIA Total	111.080	13.998	0.517	74.383	37.514	0.094	237.586
% of MIA Total	47%	6%	0.2%	31%	16%	0.04%	100%
*MIA % of SWUCA Total	19%	13%	1%	19%	50%	11%	19%
*MIA % of Districtwide Total	15%	10%	1%	9%	29%	0.5%	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.

2023 ESTIMATED WATER USE REPORT

Table C-4. 2023 Total Permitted Average Annual Quantities (mgd) in the Northern Tampa Bay Water Use Caution Area (NTB WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (57%)							
*Hillsborough	39.483	9.601	0.008	113.561	9.003	5.430	177.086
Pasco	15.734	5.683	0.045	20.699	6.329	5.031	53.521
Pinellas	0.052	0.326	0	27.472	4.091	0.025	31.966
NTB WUCA GW Subtotal	55.269	15.610	0.053	161.732	19.423	10.486	262.573
% of GW	21%	6%	0.02%	62%	7%	4%	100%
SURFACE WATER (43%)							
*Hillsborough	2.238	0.102	0.087	187.086	1.897	7.123	198.533
Pasco	0.108	0.206	0.289	0	0.891	0.180	1.674
Pinellas	0.030	0.002	0	0	1.790	0	1.822
NTB WUCA SW Subtotal	2.376	0.31	0.376	187.086	4.578	7.303	202.029
% of SW	1%	0.2%	0.2%	93%	2%	4%	100%
NTB WUCA Total	57.645	15.92	0.429	348.818	24.001	17.789	464.602
% of NTB WUCA	12%	3%	0.1%	75%	5%	4%	100%
**NTB WUCA % of Districtwide Total	8%	11%	1%	41%	18%	93%	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.

2023 ESTIMATED WATER USE REPORT

Table C-5. 2023 Total Permitted Annual Average Quantities (mgd) in the Dover/Plant City Water Use Caution Area (DPC WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (97%)							
Hillsborough¹	43.484	3.837	0.002	41.324	0.641	0.164	89.452
Polk²	0.762	1.361	0	7.088	0.014	0	9.225
GW Subtotal	44.246	5.198	0.002	48.412	0.655	0.164	98.677
% of GW	45%	5%	0%	49%	1%	0.17%	100%
SURFACE WATER (3%)							
Hillsborough	2.860	0.005	0.061	0.001	0	0	2.927
Polk	0.011	0	0	0	0	0	0.011
SW Subtotal	2.871	0.005	0.061	0.001	0	0	2.938
% of SW	98%	0%	2%	0.0%	0%	0%	100%
DPC WUCA Total	47.117	5.203	0.063	48.413	0.655	0.164	101.615
% of DPC WUCA Total	46%	5%	0.1%	48%	0.6%	0.2%	100%
*DPC WUCA % of Districtwide Total	7%	4%	0.1%	6%	1%	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.

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

² The Mosaic Integrated WUP #11400 had two active wells within the DPCWUCA boundary, to which proxy permitted quantities of 1.242 mgd were allocated for Industrial use.

2023 ESTIMATED WATER USE REPORT

Table C-6. 2023 Total Permitted Freeze Protection Quantities (mgd) for Agricultural Use in the DPC WUCA

County/Use	Aqua-culture	Blue-berries	Citrus	Nursery, Container	Nursery, Field	Other Fruit Trees	Straw - berry	Total Permitted
GROUNDWATER (81%)								
Hillsborough	2.810	25.903	47.084	43.078	1.701	2.962	649.026	772.564
Polk	0	0	0.979	0	0	0	1.309	2.288
Max Day GW Quantities	2.810	25.903	48.063	43.078	1.701	2.962	650.335	774.852
% of GW	0.4%	3%	6%	6%	0.2%	0.4%	84%	100%
SURFACE WATER (19%)								
Hillsborough	0	0.386	8.940	2.270	0	0	167.936	179.532
Polk	0	0	0	0	0	0	0	0.000
Max Day SW Quantities	0	0.386	8.940	2.27	0	0	167.936	179.532
% of SW	0%	0.2%	5%	1%	0%	0%	94%	100%
Total Max Day Quantities	2.810	26.289	57.003	45.348	1.701	2.962	818.271	954.384
% of Total Max Day Quantity	0.3%	3%	6%	5%	0.2%	0.3%	86%	100%

Table C-7. 2023 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	21	36	23	1	3	223	311
Polk	0	0	1	0	0	0	1	2
Total	4	21	37	23	1	3	224	313

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.

APPENDIX D

2014 - 2023

HISTORIC PUBLIC SUPPLY PER CAPITA RATES

FROM THE

PUBLIC SUPPLY ANNUAL REPORTS

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Charlotte	718	Gasparilla Island Water Association	6,605	187	181	182	182	189	176	172	171	172	190	176
Charlotte	871	City of Punta Gorda	41,582	120	126	128	134	132	127	133	138	132	151	136
Charlotte	1512	Charlotte Harbor Water Association	4,722	94	92	106	82	76	74	90	89	88	98	88
Charlotte	3522	Charlotte County Burnt Store	9,086	58	64	59	63	61	60	67	65	71	81	69
Charlotte	7104	Charlotte County	149,903	81	79	79	81	74	73	74	79	78	80	77
Citrus	207	City of Crystal River	5,097	137	137	148	127	135	124	121	121	139	160	133
Citrus	419	City of Inverness	9,321	108	109	104	106	109	95	121	125	123	129	119
Citrus	1118	Floral City Water Association	5,242	56	58	66	64	64	69	62	58	66	70	65
Citrus	2842	Citrus County WRD	23,980	124	133	142	144	131	131	130	122	122	131	127
Citrus	4153	Rolling Oaks Utilities, Inc.	12,437	122	119	134	132	132	137	134	125	123	150	134
Citrus	4406	Homosassa Special Water District	5,748	120	127	130	133	133	140	137	137	127	136	135
Citrus	6691	Cimmanon Rdige Utilities	573	102	106	112	109	93	96	111	104	92	103	101
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	29,284	143	152	168	167	161	167	162	149	165	177	164
Citrus	9097	Tarawood Utilities	178	.	.	.	.	.	.	61	49	43	44	49
Citrus	9791	Citrus County WRD / Sugarmill Woods	13,428	186	192	212	199	166	158	167	149	169	204	169
Citrus	11839	Walden Woods Ltd	1,069	141	134	144	138	141	152	171	169	164	147	161
Citrus	20230	Ozello Water Association Inc	4,166	82	81	79	81	68	80	94	84	86	99	89
DeSoto	4725	City of Arcadia	12,040	82	82	84	85	82	97	70	63	72	108	82
DeSoto	20457	DeSoto County Utilities	7,016	74	94	125	148	82	74	80	79	75	56	73
Hardee	30	City of Bowling Green	3,975	48	45	41	41	46	45	43	52	34	44	44
Hardee	4461	City of Wauchula	6,562	101	98	101	105	101	99	96	95	102	109	100
Hardee	7658	Town of Zolfo Springs	2,297	51	50	59	66	65	52	54	57	63	57	57
Hardee	13026	Hardee County BOCC	3,023	41	41	44	46	44	45	45	66	71	82	62
Hernando	5789	Hernando Co Utilities	159,115	120	119	127	126	123	126	129	131	130	136	130
Hernando	7627	City of Brooksville	15,769	69	75	82	81	76	75	70	77	89	95	81
Highlands	4167	HC Waterworks	1,893	106	121	115	85	95	81	82	70	55	56	69
Highlands	4492	City of Sebring	37,181	97	92	99	112	110	112	115	109	100	105	108
Highlands	4980	Lake Placid Holding Company	4,860	67	68	65	73	63	66	71	93	78	76	77
Highlands	5270	Town of Lake Placid	6,906	82	83	82	84	81	90	92	89	79	82	86
Highlands	6029	City of Avon Park	21,759	80	80	83	84	83	94	91	92	88	101	93

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Highlands	7139	Buttonwood Bay Utilities	1,631	92	87	85	110	104	135	117	105	113	102	114
Highlands	13099	Sun N Lake of Sebring	8,296	86	85	83	83	81	85	88	89	89	98	90
Hillsborough	450	City of Temple Terrace	34,139	102	103	99	115	114	115	121	124	117	119	119
Hillsborough	1776	City of Plant City	46,693	133	135	142	149	148	149	145	150	156	161	152
Hillsborough	2062	City of Tampa	733,866	110	109	112	119	111	99	104	106	105	111	105
Hillsborough	2285	Casa Verde Mobile Home	1,373	91	97	104	116	109	113	118	125	129	127	122
Hillsborough	6879	The Meadows at Countrywood MHC	2,280	101	89	98	111	105	80	75	98	95	97	89
Hillsborough	7637	Riverside Golf Course Com LLC	1,378	195	544	374	441	490	378	428	242	227	326	320
Hillsborough	7790	Paradise Village MHC	2,447	33	57	46	48	56	61	57	63	67	68	63
Hillsborough	10443	Windemere Utility Company	2,711	85	82	89	91	84	91	97	95	95	103	96
Hillsborough	20141	Hillsborough County NW	724,553	94	96	96	100	98	102	108	107	107	113	107
Levy	5640	City of Williston	4,760	134	137	146	134	189	141	137	106	109	123	123
Levy	8953	Town of Inglis	1,484	73	72	69	58	57	60	65	82	75	87	74
Manatee	6392	City of Bradenton	72,512	88	84	88	88	84	87	81	82	85	92	85
Manatee	10963	Town of Longboat Key	18,291	90	90	91	89	92	101	99	103	95	112	102
Manatee	12443	City of Palmetto	18,129	79	78	73	81	83	79	77	73	73	80	77
Manatee	13343, 7345	Manatee County Utilities	435,548	91	89	92	91	87	89	95	95	91	92	93
Marion	1156	Bay Laurel CDD	20,584	185	222	236	248	233	241	237	213	210	210	222
Marion	2999	Marion Utilities Inc	NA	81	90	94	91	87	79	88	84	.	.	84
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,005	136	137	160	153	136	148	145	129	121	131	135
Marion	6151	Marion County Utilities	59,592	116	127	139	137	130	127	130	132	132	145	133
Marion	7849	Marion Utilities Inc	NA	95	108	123	117	108	111	118	90	.	.	106
Marion	8020	Marion Landings	1,143	116	127	137	132	113	114	122	115	112	114	115
Marion	8339	City of Dunnellon	5,944	120	115	147	144	154	157	184	189	202	216	190
Marion	8481	Marion Utilities Inc / Spruce Creek	NA	93	103	106	106	102	104	112	124	.	.	113
Pasco	279	Florida Gov Utility Authority	3,941	81	55	56	58	57	71	81	79	90	80	80
Pasco	590	Florida Gov Utility Authority	8,014	101	99	104	116	109	100	99	96	94	102	98
Pasco	964	C S Water Company Inc	NA	72	79	84	83	85	84	.	.	.	.	84
Pasco	1631	City of Dade City	15,621	119	106	109	110	105	107	111	126	130	102	115
Pasco	2978	Florida Gov Utility Authority	7,573	101	95	105	122	114	123	128	130	96	103	116

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Pasco	3182	Florida Gov Utility Authority	32,907	83	80	84	85	79	79	82	82	82	84	82
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	3,953	52	57	58	59	56	55	68	68	67	69	65
Pasco	3692	City of Port Richey	7,427	45	43	49	87	92	87	91	99	93	100	94
Pasco	4550	City of San Antonio	1,769	90	92	61	60	58	55	58	67	66	88	67
Pasco	4669	Hudson Water Works Inc	7,248	82	90	79	97	87	89	90	96	113	106	99
Pasco	4734	City of New Port Richey	35,360	90	95	96	97	93	95	102	101	99	102	100
Pasco	6040	City of Zephyrhills	31,689	88	74	84	88	84	82	82	83	84	89	84
Pasco	7999	Florida Gov Utility Authority	2,000	56	60	55	60	64	68	67	66	68	68	67
Pasco	8417	Florida Gov Utility Authority	7,672	52	54	54	54	50	49	49	57	58	50	53
Pasco	11863	Pasco County Utilities	360,211	111	93	107	113	104	107	109	104	100	104	105
Pinellas	742	City of Tarpon Springs	28,878	93	94	90	86	91	86	91	90	94	101	92
Pinellas	2980	City of Dunedin	44,837	79	77	80	79	76	75	81	80	78	84	80
Pinellas	2981	City of Clearwater	147,035	80	76	75	75	76	73	72	78	76	76	75
Pinellas	7692	City of Belleair	5,389	131	129	140	144	138	133	136	137	139	154	140
Pinellas	10795	City of Gulfport	13,971	65	79	67	66	63	61	59	60	68	69	63
Pinellas	11218	City of Oldsmar	17,475	74	59	74	81	80	83	80	78	77	83	80
Pinellas	11245	City of Safety Harbor	15,634	85	93	97	98	95	86	71	84	80	79	80
Pinellas	12351	City of Pinellas Park	72,348	50	55	50	51	51	68	75	73	79	69	73
Pinellas	20142	Pinellas County	488,433	70	82	76	77	73	74	76	74	83	81	78
Pinellas	20143	City of St. Petersburg	344,174	77	79	78	80	78	74	72	72	74	78	74
Polk	341	City of Bartow	28,073	97	99	103	109	106	113	108	113	106	114	111
Polk	645	City of Fort Meade	5,777	87	89	102	99	95	100	106	99	94	104	101
Polk	1625	Four Lakes Golf Club Ltd	1,551	229	206	263	279	206	288	251	283	242	145	242
Polk	2332	Town of Lake Hamilton	2,560	132	194	154	134	135	150	155	147	141	110	141
Polk	3415	Orchid Springs Development Corp	NA	80	72	69	69	62	67	.	.	.	.	67
Polk	4005	Crooked Lake Park Water Co	2,550	89	83	84	84	85	86	93	91	74	75	84
Polk	4607	City of Winter Haven	86,465	118	113	114	117	115	116	116	127	117	125	120
Polk	4658	City of Lake Wales	25,467	115	113	113	114	116	116	119	107	109	109	112
Polk	4912	City of Lakeland	197,051	118	117	118	118	114	117	121	123	119	121	120
Polk	5251	Grenelefe Resort LLC	NA	362	374	666	456	360	402	344	375	293	.	354

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Polk	5750	City of Davenport	16,090	94	130	118	113	137	142	158	153	138	126	143
Polk	5868	Rainbow Resort	852	.	.	.	120	135	126	109	119	121	137	122
Polk	5870	City of Frostproof	3,667	110	113	119	124	125	98	91	88	97	104	96
Polk	5893	Town of Dundee	6,985	95	139	102	105	108	108	122	108	114	114	113
Polk	6124	City of Mulberry	4,986	97	79	83	80	84	82	84	86	82	94	86
Polk	6174	Saddlebag Lake Owners Assn	1,267	77	64	65	67	66	60	73	94	86	62	75
Polk	6505	Polk Co. / Northwest Regional Serv. Area	35,798	80	77	79	84	80	85	86	93	84	89	87
Polk	6506	Polk Co. / Southwest Regional Serv. Area	45,141	78	77	76	79	73	74	77	82	82	83	80
Polk	6507	Polk Co. / Central Regional Serv. Area	15,691	64	72	72	70	68	74	81	85	83	83	81
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,006	105	108	122	109	108	120	124	120	137	136	127
Polk	6509	Polk Co. / Northeast Regional Serv. Area	117,734	99	104	96	93	100	93	90	93	88	81	89
Polk	6624	City of Lake Alfred	9,389	124	131	130	126	116	113	103	119	112	141	118
Polk	6920	City of Eagle Lake	7,884	97	90	96	114	84	81	100	76	70	81	82
Polk	7119	City of Auburndale	36,662	159	165	165	173	150	181	169	178	180	182	178
Polk	7187	CHC VII Century Realty Fund / Lake Henry	1,403	143	137	161	140	175	175	144	177	169	169	167
Polk	7328	Carefree RV Country Club of Winter Haven	991	80	105	106	111	126	110	111	151	101	123	119
Polk	7878	Florida Gov Utility Authority	2,169	65	67	65	66	62	60	60	62	60	65	61
Polk	8054	Polk Co. / East Regional Serv. Area	6,432	66	67	66	68	70	70	74	73	73	88	76
Polk	8344	S V Utilities LTD	1,632	119	75	103	105	101	105	92	101	92	73	93
Polk	8468	City of Polk City	7,465	54	56	55	51	50	46	50	50	58	57	52
Polk	8522	City of Haines City	52,389	144	138	140	147	129	130	127	136	130	126	130
Polk	8967	Sweetwater Community Inc	697	190	198	172	173	154	173	161	197	166	168	173
Polk	10141	Ovation Water Facility	NA	.	.	.	.	.	.	31	96	.	.	64
Polk	12800	Polk County Utilities Jorden's Grove	NA	.	.	.	134	303	238	109	50	.	.	132
Polk	13043	Cypress Lakes Utilities, Inc	2,945	82	62	62	63	59	75	80	68	87	67	75
Polk	21107	Grenelefe Resort	2,574	.	.	.	.	.	.	.	.	.	88	88
Sarasota	2923	City of Northport	62,777	62	61	60	64	58	59	58	59	69	54	60
Sarasota	4318, 10224, 10225	City of Sarasota	84,631	82	79	78	78	73	74	75	82	87	87	81
Sarasota	4866	Englewood Water District	39,191	72	61	66	71	75	76	79	76	72	75	76

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Sarasota	5393	City of Venice	41,468	62	78	63	64	59	65	66	61	60	56	62
Sarasota	5807	Camelot Lakes Communities MHP	1,737	162	167	187	161	177	196	196	170	148	202	182
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	3,051	83	.	61	66	41	98	78	81	110	51	84
Sarasota	8836	Sarasota County	272,267	76	79	81	81	81	80	81	80	80	86	81
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,971	64	58	64	68	64	66	62	63	64	64	64
Sumter	6519	City of Bushnell	4,331	142	145	164	125	125	121	112	111	118	119	116
Sumter	7185	City of Webster	2,280	143	56	62	72	88	99	100	87	58	44	78
Sumter	8135	City of Wildwood	18,428	106	112	104	104	104	118	132	150	161	176	147
Sumter	8193	City of Center Hill	1,178	59	73	64	71	56	56	59	60	57	60	58
Sumter	12584	Orange Blossom Utilities	511	.	.	.	.	.	.	185	194	204	258	210
Sumter	13005	The Villages of Marion & Sumter	87,750	247	264	298	247	218	227	239	237	241	267	242
Sumter	13123	Florida Grande Motor Coach Resort	615	.	.	.	.	.	.	.	.	.	96	96
Sumter	20597	City of Wildwood - Continental Country Club	NA	.	.	57	75	75	81	92	82	79	.	84
Sumter	20721	South Sumter Utility Company	25,158	.	.	.	.	.	101	67	56	50	68	68
Sumter	20901	Gibson Place / Middleton Community	472	.	.	.	.	.	.	.	.	.	921	921

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for a specific year. This may occur if a 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 2023.

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave.
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Charlotte	718	Gasparilla Island Water Association	6,605	158	159	162	160	167	146	132	125	134	155	138
Charlotte	871	City of Punta Gorda	41,582	120	126	128	134	132	127	133	138	132	151	136
Charlotte	1512	Charlotte Harbor Water Association	4,722	94	92	106	82	76	74	90	89	88	98	88
Charlotte	3522	Charlotte County Burnt Store	9,086	58	64	59	63	61	60	67	65	71	81	69
Charlotte	7104	Charlotte County	149,903	81	79	79	81	74	73	74	79	78	80	77
Citrus	207	City of Crystal River	5,097	137	137	148	88	80	124	121	121	139	57	112
Citrus	419	City of Inverness	9,321	108	109	104	106	109	95	121	125	123	129	119
Citrus	1118	Floral City Water Association	5,242	56	58	66	64	64	69	62	58	66	70	65
Citrus	2842	Citrus County WRD	23,980	124	133	142	144	131	131	130	122	122	131	127
Citrus	4153	Rolling Oaks Utilities, Inc.	12,437	122	119	134	132	132	137	134	125	123	150	134
Citrus	4406	Homosassa Special Water District	5,748	120	127	130	133	133	140	137	137	127	136	135
Citrus	6691	Cinnamon Ridge Utilities	573	102	106	112	109	93	96	111	104	92	103	101
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	29,284	136	145	162	155	149	147	151	139	151	164	150
Citrus	9097	Tarawood Utilities	178	.	.	.	.	.	.	61	49	43	44	49
Citrus	9791	Citrus County WRD / Sugarmill Woods	13,428	186	192	212	199	166	158	167	149	169	204	169
Citrus	11839	Walden Woods Ltd	1,069	141	134	144	138	141	152	171	169	164	147	161
Citrus	20230	Ozello Water Association Inc	4,166	82	81	79	81	68	80	94	84	86	99	89
DeSoto	4725	City of Arcadia	12,040	82	82	84	85	82	97	70	63	72	108	82
DeSoto	20457	DeSoto County Utilities	7,016	74	94	125	148	82	74	80	79	75	56	73
Hardee	30	City of Bowling Green	3,975	48	45	41	41	46	45	43	52	34	44	44
Hardee	4461	City of Wauchula	6,562	101	98	101	105	101	99	96	95	102	109	100
Hardee	7658	Town of Zolfo Springs	2,297	51	50	59	66	65	52	54	57	63	57	57
Hardee	13026	Hardee County BOCC	3,023	41	41	44	46	44	45	45	66	71	82	62
Hernando	5789	Hernando Co Utilities	159,115	120	119	127	126	123	126	129	131	130	136	130
Hernando	7627	City of Brooksville	15,769	41	51	82	81	76	75	70	77	89	95	81
Highlands	4167	HC Waterworks	1,893	106	121	115	85	95	81	82	70	55	56	69
Highlands	4492	City of Sebring	37,181	97	92	99	112	110	112	115	109	100	105	108
Highlands	4980	Lake Placid Holding Company	4,860	67	68	65	73	63	66	71	93	78	76	77
Highlands	5270	Town of Lake Placid	6,906	82	83	82	84	81	90	92	89	79	82	86

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave.
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Highlands	6029	City of Avon Park	21,759	80	80	83	84	83	94	91	92	88	101	93
Highlands	7139	Buttonwood Bay Utilities	1,631	92	87	85	109	104	135	117	105	113	102	114
Highlands	13099	Sun N Lake of Sebring	8,296	86	85	83	83	81	85	88	89	89	98	90
Hillsborough	450	City of Temple Terrace	34,139	102	103	99	115	114	115	121	124	117	119	119
Hillsborough	1776	City of Plant City	46,693	91	112	101	106	103	116	114	109	126	112	115
Hillsborough	2062	City of Tampa	733,866	107	107	109	116	107	96	100	103	102	109	102
Hillsborough	2285	Casa Verde Mobile Home	1,373	91	97	104	116	109	113	118	125	129	127	122
Hillsborough	6879	The Meadows at Countrywood MHC	2,280	101	89	98	111	105	80	75	98	95	97	89
Hillsborough	7637	Riverside Golf Course Com LLC	1,378	110	217	215	242	314	215	129	129	108	242	165
Hillsborough	7790	Paradise Village MHC	2,447	33	57	46	48	56	61	57	63	67	68	63
Hillsborough	10443	Windemere Utility Company	2,711	85	82	89	91	84	91	97	95	95	103	96
Hillsborough	20141	Hillsborough County NW	724,553	94	96	96	100	98	102	108	107	107	113	107
Levy	5640	City of Williston	4,760	134	137	146	134	189	141	137	106	109	123	123
Levy	8953	Town of Inglis	1,484	73	72	69	58	57	60	65	82	75	87	74
Manatee	6392	City of Bradenton	72,512	88	84	88	88	84	87	81	82	85	92	85
Manatee	10963	Town of Longboat Key	18,291	90	90	91	89	92	101	99	103	95	112	102
Manatee	12443	City of Palmetto	18,129	74	78	73	81	83	79	77	73	73	80	77
Manatee	13343, 7345	Manatee County Utilities	435,548	75	78	74	74	70	76	80	82	81	83	80
Marion	1156	Bay Laurel CDD	20,584	173	205	220	234	219	227	209	188	176	174	195
Marion	2999	Marion Utilities Inc	NA	81	90	94	91	87	79	88	84	.	.	84
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,005	136	137	160	153	136	148	145	129	121	131	135
Marion	6151	Marion County Utilities	59,592	116	127	139	137	130	127	130	132	132	140	132
Marion	7849	Marion Utilities Inc	NA	95	108	123	117	108	111	118	90	.	.	106
Marion	8020	Marion Landings	1,143	116	127	137	132	113	114	122	115	112	114	115
Marion	8339	City of Dunnellon	5,944	120	115	147	144	154	157	184	189	202	216	190
Marion	8481	Marion Utilities Inc / Spruce Creek	NA	93	103	106	106	102	104	112	124	.	.	113
Pasco	279	Florida Gov Utility Authority	3,941	81	55	56	58	57	71	81	79	90	80	80
Pasco	590	Florida Gov Utility Authority	8,014	101	99	104	116	109	100	99	96	94	102	98
Pasco	964	C S Water Company Inc	NA	72	79	84	83	85	84	.	.	.	.	84

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave.
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Pasco	1631	City of Dade City	15,621	97	65	93	110	105	107	111	126	130	102	115
Pasco	2978	Florida Gov Utility Authority	7,573	101	95	105	122	114	123	128	130	96	103	116
Pasco	3182	Florida Gov Utility Authority	32,907	83	80	84	85	79	79	82	82	82	84	82
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	3,953	52	57	58	59	56	55	68	68	67	69	65
Pasco	3692	City of Port Richey	7,427	45	43	49	87	92	87	91	99	93	100	94
Pasco	4550	City of San Antonio	1,769	90	92	61	60	58	55	58	67	66	88	67
Pasco	4669	Hudson Water Works Inc	7,248	82	90	79	97	87	89	89	96	113	106	99
Pasco	4734	City of New Port Richey	35,360	90	95	96	97	93	95	102	101	99	102	100
Pasco	6040	City of Zephyrhills	31,689	88	74	84	88	84	82	82	83	84	89	84
Pasco	7999	Florida Gov Utility Authority	2,000	56	60	55	60	64	68	67	66	68	68	67
Pasco	8417	Florida Gov Utility Authority	7,672	52	54	54	54	50	49	49	57	58	50	53
Pasco	11863	Pasco County Utilities	360,211	111	90	107	108	99	104	109	104	100	104	104
Pinellas	742	City of Tarpon Springs	28,878	93	94	90	86	91	86	91	90	94	101	92
Pinellas	2980	City of Dunedin	44,837	79	77	80	79	76	75	81	80	78	84	80
Pinellas	2981	City of Clearwater	147,035	72	76	75	75	76	73	72	78	76	76	75
Pinellas	7692	City of Belleair	5,389	131	97	108	105	113	107	106	101	118	115	109
Pinellas	10795	City of Gulfport	13,971	65	79	67	66	63	61	59	60	68	69	63
Pinellas	11218	City of Oldsmar	17,475	74	59	74	81	80	83	80	78	77	83	80
Pinellas	11245	City of Safety Harbor	15,634	85	93	97	98	95	86	71	84	80	79	80
Pinellas	12351	City of Pinellas Park	72,348	50	55	50	51	51	68	75	73	79	69	73
Pinellas	20142	Pinellas County	488,433	70	82	76	77	73	74	76	74	83	81	78
Pinellas	20143	City of St. Petersburg	344,174	77	79	78	80	78	74	72	72	74	78	74
Polk	341	City of Bartow	28,073	56	51	54	61	60	66	22	21	8	29	29
Polk	645	City of Fort Meade	5,777	87	89	56	61	47	7	12	24	18	22	17
Polk	1625	Four Lakes Golf Club Ltd	1,551	156	138	164	180	141	180	140	176	135	145	155
Polk	2332	Town of Lake Hamilton	2,560	132	108	138	121	124	140	146	143	141	110	136
Polk	3415	Orchid Springs Development Corp	NA	80	72	69	69	62	67	.	.	.	.	67
Polk	4005	Crooked Lake Park Water Co	2,550	89	83	84	84	85	86	93	91	74	75	84
Polk	4607	City of Winter Haven	86,465	118	113	114	117	115	116	116	127	117	125	120
Polk	4658	City of Lake Wales	25,467	115	113	113	114	116	116	119	107	109	109	112

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave.
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Polk	4912	City of Lakeland	197,051	105	94	90	91	82	92	76	80	87	96	86
Polk	5251	Grenelefe Resort LLC	NA	196	239	516	307	210	305	247	286	187	.	256
Polk	5750	City of Davenport	16,090	94	130	118	113	137	142	158	153	138	126	143
Polk	5868	Rainbow Resort	852	.	.	.	120	135	126	109	119	121	137	123
Polk	5870	City of Frostproof	3,667	110	107	108	106	110	83	74	71	97	86	82
Polk	5893	Town of Dundee	6,985	95	139	102	105	108	108	122	108	114	114	113
Polk	6124	City of Mulberry	4,986	97	79	83	80	84	82	84	86	82	94	86
Polk	6174	Saddlebag Lake Owners Assn	1,267	77	64	65	67	66	60	73	94	86	61	75
Polk	6505	Polk Co. / Northwest Regional Serv. Area	35,798	80	77	79	84	80	85	86	93	84	89	87
Polk	6506	Polk Co. / Southwest Regional Serv. Area	45,141	78	77	76	79	73	74	77	82	82	83	80
Polk	6507	Polk Co. / Central Regional Serv. Area	15,691	64	72	72	70	68	74	81	85	83	83	81
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,006	105	108	122	109	108	120	124	120	137	136	127
Polk	6509	Polk Co. / Northeast Regional Serv. Area	117,734	99	104	96	93	100	93	90	93	88	81	89
Polk	6624	City of Lake Alfred	9,389	124	131	130	127	116	113	103	119	112	141	118
Polk	6920	City of Eagle Lake	7,884	97	90	96	114	84	81	100	76	70	81	82
Polk	7119	City of Auburndale	36,662	111	112	116	120	98	143	127	141	147	133	138
Polk	7187	CHC VII Century Realty Fund / Lake Henry	1,403	98	82	79	105	108	102	95	115	108	104	105
Polk	7328	Carefree RV Country Club of Winter Haven	991	80	71	61	111	81	67	67	106	66	78	77
Polk	7878	Florida Gov Utility Authority	2,169	65	67	65	66	62	60	60	62	60	65	61
Polk	8054	Polk Co. / East Regional Serv. Area	6,432	66	67	66	68	70	70	74	73	73	88	76
Polk	8344	S V Utilities LTD	1,632	119	75	103	105	101	105	92	101	92	73	93
Polk	8468	City of Polk City	7,465	57	56	55	51	50	46	50	50	58	57	52
Polk	8522	City of Haines City	52,389	130	125	129	126	115	115	114	126	120	111	117
Polk	8967	Sweetwater Community Inc	697	158	151	130	129	110	118	106	125	111	113	115
Polk	10141	Ovation Water Facility	NA	.	.	.	.	.	.	31	96	.	.	64
Polk	12800	Polk County Utilities Jorden's Grove	NA	.	.	.	134	303	238	109	50	.	.	132
Polk	13043	Cypress Lakes Utilities, Inc	2,945	82	62	62	63	59	75	52	41	59	49	55
Polk	21107	Grenelefe Resort	2,574	.	.	.	.	.	.	.	.	.	88	88
Sarasota	2923	City of Northport	62,777	62	61	60	64	58	59	58	59	69	54	60

2023 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	2023 Service Area Population	Calendar Year										Five Year Ave.
				2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	
Sarasota	4318, 10224, 10225	City of Sarasota	84,631	82	79	78	78	73	74	75	82	87	87	81
Sarasota	4866	Englewood Water District	39,191	59	45	57	63	75	76	79	76	72	75	76
Sarasota	5393	City of Venice	41,468	62	78	63	64	59	65	66	61	60	56	62
Sarasota	5807	Camelot Lakes Communities MHP	1,737	74	67	187	73	88	81	86	92	90	111	92
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	3,051	83	.	61	66	41	98	78	81	110	51	84
Sarasota	8836	Sarasota County	272,267	76	79	81	81	81	80	81	80	80	86	81
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,971	64	58	64	68	64	66	62	63	64	64	64
Sumter	6519	City of Bushnell	4,331	142	145	88	87	125	121	112	111	118	119	116
Sumter	7185	City of Webster	2,280	143	56	62	72	88	99	100	87	58	44	78
Sumter	8135	City of Wildwood	18,428	67	72	62	98	95	110	132	150	161	176	146
Sumter	8193	City of Center Hill	1,178	59	73	64	71	56	56	59	60	57	61	59
Sumter	12584	Orange Blossom Utilities	511	.	.	.	.	.	.	185	194	204	260	211
Sumter	13005	The Villages of Marion & Sumter	87,750	145	145	169	135	94	92	107	103	99	143	109
Sumter	13123	Florida Grande Motor Coach Resort	615	.	.	.	.	.	.	.	.	.	97	97
Sumter	20597	City of Wildwood - Continental Country Club	NA	.	.	57	75	75	81	92	82	79	.	84
Sumter	20721	South Sumter Utility Company	25,158	.	.	.	.	.	101	67	56	50	68	68
Sumter	20901	Gibson Place / Middleton Community	472	.	.	.	.	.	.	.	.	.	921	921

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for a specific year. This may occur if a 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 2023.

2023 ESTIMATED WATER USE REPORT

APPENDIX E

UNIFORM PER CAPITA REPORT

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

2023 ESTIMATED WATER USE REPORT

Table E-1. Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2023

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
CHARLOTTE COUNTY														
718	Gasparilla Island Water Ass.	1.622	Y	GW/RO	0.024	0.000	0.391	1.255	2,022	2.30	4,651	270	0.915	197
871	City of Punta Gorda	7.783	Y	SW	1.133	1.226	1.400	6.291	20,575	1.94	39,916	158	4.499	113
1512	Charlotte Harbor Water Association	0.610	Y	GW/RO	0.000	0.000	0.148	0.461	2,285	2.04	4,661	99	0.234	50
3522	Charlotte County Utilities	0.971	Y	GW/RO	0.000	0.019	0.213	0.740	4,433	2.13	9,442	78	0.556	59
7104	Charlotte Co BOCC	0.000	Y	GW/SW	12.550	0.362	0.122	12.066	69,981	2.20	153,958	78	8.651	56
Charlotte County Totals		10.987			13.707	1.607	2.274	20.813	99,296	2.14	212,628	98	14.855	70
CITRUS COUNTY														
207	City of Crystal River	0.815	Y	GW	0.001	0.000	0.000	0.816	2,352	2.00	4,704	173	0.269	57
419	City of Inverness	1.214	Y	GW	0.000	0.000	0.012	1.202	4,356	2.14	9,322	129	0.622	67
1118	Floral City Water Assoc Inc	0.381	Y	GW	0.000	0.000	0.013	0.368	2,619	2.10	5,500	67	0.272	49
2842	Citrus County Water Resources	3.174	Y	GW	0.000	0.000	0.034	3.140	10,255	2.38	24,407	129	2.440	100
4153	Rolling Oaks Utilities Inc	1.912	Y	GW	0.000	0.000	0.053	1.859	6,023	2.10	12,648	147	0.648	51
4406	Homosassa Special Water District	0.831	Y	GW	0.000	0.046	0.005	0.780	2,685	2.06	5,531	141	0.461	83
6691	Cinnamon Ridge Utilities	0.059	Y	GW	0.000	0.000	0.000	0.059	286	2.05	586	101	0.054	92
7121	Citrus County & WRWSA	5.680	Y	GW	0.000	0.448	0.055	5.177	13,372	2.08	27,814	186	3.057	110
9097	Tarawood Utilities	0.008	Y	GW	0.000	0.000	0.000	0.008	87	2.16	188	43	0.007	37
9791	Citrus County Water Resources	2.775	Y	GW	0.000	0.000	0.030	2.745	6,569	2.07	13,598	202	1.257	92
11839	GCP Walden Woods One LLC	0.159	Y	GW	0.000	0.000	0.002	0.157	662	1.62	1,072	146	0.103	96
20230	Ozello Water Association Inc	0.000	Y	GW	0.419	0.000	0.004	0.415	2,075	1.91	3,963	105	0.231	58
Citrus County Totals		17.008			0.420	0.494	0.208	16.726	51,341	2.13	109,334	153	9.421	86
DESOTO COUNTY														
4725	City of Arcadia	0.843	Y	GW	0.481	0.000	0.028	1.296	4,666	2.67	12,458	104	0.679	55
20457	DeSoto County Utilities	0.000	Y	SW/GW	0.907	0.501	0.014	0.392	3,296	2.23	7,350	53	0.271	37
DeSoto County Totals		0.843			1.388	0.501	0.042	1.688	7,962	2.49	19,808	85	0.950	48
HARDEE COUNTY														
30	City of Bowling Green	0.236	Y	GW	0.000	0.000	0.061	0.175	1,399	3.04	4,253	41	0.153	36

2023 ESTIMATED WATER USE REPORT

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WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treat-ment 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	0.729	Y	GW	0.000	0.000	0.013	0.716	2,227	2.94	6,547	109	0.377	58
7658	Town of Zolfo Springs	0.132	Y	GW	0.000	0.000	0.001	0.131	827	3.14	2,597	50	0.092	35
13026	Hardee County BOCC*	0.249	Y	GW	0.000	0.000	0.001	0.248	1,135	2.70	3,065	81	0.198	65
Hardee County Totals		1.346			0.000	0.000	0.076	1.270	5,588	2.95	16,462	77	0.820	50
HERNANDO COUNTY														
5789	Hernando Co Utilities	21.864	Y	GW	0.000	0.000	0.302	21.562	67,355	2.39	160,978	134	15.711	98
7627	City of Brooksville	1.500	Y	GW	0.000	0.000	0.000	1.500	6,794	2.24	15,219	99	0.956	63
Hernando County Totals		23.364			0.000	0.000	0.302	23.062	74,149	2.38	176,197	131	16.667	95
HIGHLANDS COUNTY														
4167	HC Waterworks	0.108	Y	GW	0.000	0.000	0.001	0.107	908	2.19	1,989	54	0.078	39
4492	City of Sebring	3.965	Y	GW	0.000	0.000	0.058	3.907	17,107	2.18	37,293	105	2.773	74
4980	Lake Placid Holding Co	0.371	Y	GW	0.000	0.000	0.004	0.367	2,205	2.32	5,116	72	0.254	50
5270	Town of Lake Placid	0.570	Y	GW	0.000	0.000	0.005	0.565	3,169	2.14	6,782	83	0.377	56
6029	City of Avon Park	2.305	Y	GW	0.000	0.000	0.106	2.199	9,351	2.36	22,068	100	1.311	59
7139	Buttonwood Bay Utilities	0.178	Y	GW	0.000	0.000	0.012	0.166	940	1.73	1,626	102	0.134	82
13099	Sun N Lake of Sebring District	0.862	Y	GW	0.000	0.000	0.049	0.813	4,000	2.17	8,680	94	0.699	81
Highlands County Totals		8.359			0.000	0.000	0.235	8.124	37,680	2.22	83,554	97	5.626	67
HILLSBOROUGH COUNTY														
450	City of Temple Terrace	4.440	Y	GW	0.000	0.000	0.393	4.047	13,511	2.40	32,426	125	2.572	79
1776	City of Plant City	7.665	Y	GW	0.020	0.103	0.082	7.500	16,580	2.80	46,424	162	3.243	70
2062	City of Tampa Water Dept	81.703	Y	SW/GW	4.731	2.256	2.628	81.550	264,885	2.39	633,075	129	46.566	74
2285	Casa Verde MHP	0.177	Y	GW	0.000	0.000	0.002	0.175	435	3.19	1,388	126	0.168	121
6879	The Meadows at Countrywood	0.220	Y	GW	0.000	0.000	0.000	0.220	1,391	1.64	2,281	96	0.219	96
7637	Riverside Golf Course	0.449	Y	SW/ GW	0.000	0.000	0.000	0.449	723	1.94	1,403	320	0.449	320
7790	Paradise Village MHP	0.167	Y	GW	0.000	0.000	0.002	0.165	600	2.98	1,788	92	0.150	84
10443	Windemere Utility Company	0.280	Y	GW	0.000	0.000	0.000	0.280	1,021	2.66	2,716	103	0.280	103
20141	Hillsborough County*	0.000	Y	SW/GW	82.805	0.000	0.828	81.977	273,701	2.65	725,308	113	64.164	88

2023 ESTIMATED WATER USE REPORT

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Hillsborough County Totals		95.101			87.556	2.359	3.935	176.363	572,847	2.53	1,446,809	122	117.811	81
There were no Public Supply Water Use Permits in the SWFWMD portion of Lake County														
LEVY COUNTY														
5640	City of Williston	0.590	Y	GW	0.000	0.000	0.006	0.584	1,921	2.45	4,706	124	0.216	46
8953	Town of Inglis	0.185	Y	GW	0.000	0.001	0.055	0.129	743	2.07	1,538	84	0.075	49
Levy County Totals		0.775			0.000	0.001	0.061	0.713	2,664	2.34	6,244	114	0.291	47
MANATEE COUNTY														
6392	City of Bradenton	6.588	Y	SW	0.236	0.013	0.136	6.675	31,079	2.21	68,685	97	4.135	60
10963	Town of Longboat Key*	0.000	Y	SW	2.064	0.000	0.009	2.055	9,577	1.79	17,143	120	1.651	96
12443	City of Palmetto*	0.000	Y	SW/GW	1.479	0.009	0.015	1.455	7,652	2.45	18,747	78	0.858	46
13343, 7345	Manatee County Utilities	49.631	Y	SW/GW	1.378	7.418	3.717	39.874	186,530	2.34	436,480	91	28.335	65
Manatee County Totals		56.219			5.157	7.440	3.877	50.059	234,838	2.30	541,055	93	34.979	65
MARION COUNTY														
1156	Bay Laurel CDD	4.608	Y	GW	0.000	0.032	0.253	4.323	11,389	1.77	20,159	214	3.652	181
5643	Utilities Inc of Florida	0.133	Y	GW	0.000	0.000	0.001	0.132	513	1.98	1,016	130	0.112	110
6151	Marion County Utilities	8.758	Y	GW	0.000	0.000	0.088	8.670	26,842	2.22	59,589	145	6.643	111
8020	Marion Landings	0.130	Y	GW	0.000	0.000	0.000	0.130	598	1.91	1,142	114	0.103	90
8339	City of Dunnellon	1.298	Y	GW	0.000	0.000	0.013	1.285	2,867	2.02	5,791	222	0.434	75
Marion County Totals		14.927			0.000	0.032	0.355	14.540	42,209	2.08	87,697	166	10.944	125
PASCO COUNTY														
279	Florida Gov Utility Authority	0.319	Y	GW	0.000	0.000	0.003	0.316	1,641	2.48	4,070	78	0.217	53
590	Mad Hatter Utility Inc	0.829	Y	GW	0.000	0.000	0.008	0.821	3,177	2.53	8,038	102	0.606	75
1631	City of Dade City	1.607	Y	GW	0.000	0.000	0.016	1.591	6,025	2.59	15,605	102	1.106	71
2978	Florida Gov Utility Authority	0.178	Y	GW	0.612	0.000	0.008	0.782	3,951	1.89	7,467	105	0.676	91
3182	Florida Gov Utility Authority	2.270	Y	GW	0.608	0.000	0.124	2.754	13,944	2.41	33,605	82	2.184	65
3590	Utilities Inc of Florida	0.273	Y	GW	0.000	0.000	0.001	0.272	1,872	2.11	3,950	69	0.203	51

2023 ESTIMATED WATER USE REPORT

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WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treat-ment 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)
3692	City of Port Richey	0.759	Y	GW	0.008	0.000	0.026	0.741	3,027	2.05	6,205	119	0.456	73
4550	City of San Antonio	0.156	Y	GW	0.000	0.000	0.000	0.156	748	2.47	1,848	84	0.144	78
4669	Hudson Water Works Inc	0.781	Y	GW	0.000	0.000	0.015	0.766	3,517	2.00	7,034	109	0.484	69
4734	City of New Port Richey	0.468	Y	GW	5.185	2.008	0.044	3.601	16,061	2.09	33,567	107	2.116	63
6040	City of Zephyrhills	2.860	Y	GW	0.000	0.022	0.005	2.833	15,306	2.18	33,367	85	1.702	51
7999	Florida Gov Utility Authority	0.137	Y	GW	0.000	0.000	0.001	0.136	750	2.67	2,003	68	0.130	65
8417	Florida Gov Utility Authority	0.133	Y	GW	0.250	0.000	0.003	0.380	3,371	2.27	7,652	50	0.331	43
11863	Pasco Co Utilities	2.937	Y	GW	36.425	1.635	0.399	37.328	143,642	2.51	360,541	104	28.346	79
Pasco County Totals		13.707			43.088	3.665	0.653	52.477	217,032	2.42	524,952	100	38.701	74
PINELLAS COUNTY														
742	City of Tarpon Springs	4.387	Y	GW/RO	0.006	0.051	1.417	2.925	12,769	2.19	27,964	105	1.909	68
2980	City of Dunedin	4.687	Y	GW/RO	0.000	0.000	0.927	3.760	22,828	1.95	44,515	84	2.498	56
2981	City of Clearwater	6.881	Y	GW/RO	5.082	0.000	0.753	11.210	61,620	2.13	131,251	85	7.042	54
7692	Town of Belleair	0.823	Y	GW	0.054	0.000	0.049	0.828	2,563	2.07	5,305	156	0.680	128
10795	City of Gulfport*	0.000	Y	GW	0.967	0.000	0.009	0.958	7,601	1.88	14,290	67	0.774	54
11218	City of Oldsmar*	1.977	Y	GW/RO	0.001	0.000	0.535	1.443	6,604	2.43	16,048	90	0.920	57
11245	City of Safety Harbor*	0.000	Y	GW	1.229	0.000	0.000	1.229	6,835	2.27	15,515	79	1.159	75
12351	City of Pinellas Park*	0.000	Y	GW	5.056	0.000	0.051	5.005	29,886	2.26	67,542	74	3.429	51
20142	Pinellas County*	0.000	Y	GW	51.502	11.493	0.436	39.573	221,882	2.12	470,390	84	29.840	63
20143	City of St Petersburg*	0.000	Y	GW	28.526	0.967	0.597	26.962	159,675	2.08	332,124	81	17.187	52
Pinellas County Totals		18.755			92.423	12.511	4.774	93.893	532,263	2.11	1,124,944	83	65.438	58
POLK COUNTY														
341	City of Bartow	3.444	Y	GW	0.000	0.000	0.256	3.188	9,934	2.70	26,822	119	1.960	73
645	City of Fort Meade	0.604	Y	GW	0.000	0.000	0.000	0.604	2,236	2.70	6,037	100	0.410	68
1625	Four Lakes Golf Club Ltd	0.225	Y	GW	0.000	0.000	0.000	0.225	814	1.95	1,587	142	0.196	123
2332	Town of Lake Hamilton	0.284	Y	GW	0.000	0.000	0.004	0.280	997	2.56	2,552	110	0.166	65
4005	Crooked Lake Park Water Company	0.001	Y	GW	0.189	0.000	0.000	0.190	1,076	2.45	2,636	72	0.151	57

2023 ESTIMATED WATER USE REPORT

Table E-1. Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2023

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)
4607	City of Winter Haven	11.904	Y	GW	0.000	0.000	1.064	10.840	34,701	2.46	85,364	127	7.459	87
4658	City of Lake Wales	2.991	Y	GW	0.000	0.189	0.028	2.774	10,677	2.44	26,052	106	1.765	68
4912	City of Lakeland	24.221	Y	GW	0.055	0.369	0.061	23.846	75,106	2.47	185,512	129	15.304	82
5750	City of Davenport	2.026	Y	GW	0.000	0.000	0.000	2.026	5,683	2.96	16,822	120	1.715	102
5868	Rainbow Resort	0.117	Y	GW	0.000	0.000	0.001	0.116	499	1.74	868	134	0.109	126
5870	City of Frostproof	0.380	Y	GW	0.000	0.000	0.000	0.380	1,716	2.27	3,895	98	0.225	58
5893	Town of Dundee	0.804	Y	GW	0.000	0.000	0.008	0.796	2,587	2.73	7,063	113	0.631	89
6124	City of Mulberry	0.474	Y	GW	0.000	0.000	0.005	0.469	2,011	2.41	4,847	97	0.286	59
6174	Saddlebag Lake Owners Assoc	0.078	Y	GW	0.000	0.000	0.000	0.078	795	1.61	1,280	61	0.071	55
6505	Polk County Utilities	3.018	Y	GW	0.162	0.000	0.010	3.170	13,347	2.74	36,571	87	2.925	80
6506	Polk County Utilities	4.564	Y	GW	0.060	0.056	0.814	3.754	16,567	2.78	46,056	82	3.449	75
6507	Polk County Utilities	1.311	Y	GW	0.000	0.000	0.006	1.305	5,867	2.70	15,841	82	1.132	71
6508	Polk County Utilities	0.682	Y	GW	0.000	0.000	0.002	0.680	1,651	2.47	4,078	167	0.259	64
6509	Polk County Utilities	8.634	Y	GW	2.469	0.000	1.534	9.569	38,524	2.74	105,556	91	8.522	81
6624	City of Lake Alfred	1.328	Y	GW	0.000	0.000	0.000	1.328	3,952	2.43	9,603	138	1.018	106
6920	City of Eagle Lake	0.642	Y	GW	0.000	0.000	0.006	0.636	2,796	2.96	8,276	77	0.496	60
7119	City of Auburndale	6.675	Y	GW	0.016	0.000	0.002	6.689	14,574	2.58	37,601	178	3.966	105
7187	CHC VII Ltd Century Realty Fund	0.237	Y	GW	0.000	0.000	0.000	0.237	869	1.62	1,408	168	0.134	95
7328	Carefree RV Country Club	0.122	Y	GW	0.000	0.000	0.000	0.122	500	2.00	1,000	122	0.065	65
7878	Florida Gov Utility Authority	0.142	Y	GW	0.000	0.000	0.001	0.141	858	2.58	2,214	64	0.124	56
8054	Polk County Utilities	0.570	Y	GW	0.000	0.000	0.006	0.564	2,617	2.43	6,359	89	0.372	58
8344	S V Utilities Ltd	0.121	Y	GW	0.000	0.000	0.001	0.120	705	2.40	1,692	71	0.088	52
8468	City of Polk City	0.429	Y	GW	0.000	0.000	0.004	0.425	2,605	2.65	6,903	62	0.366	53
8522	City of Haines City	7.025	Y	GW	0.000	0.000	0.443	6.582	19,345	2.87	55,520	119	4.481	81
8967	Sweetwater Community Inc	0.117	Y	GW	0.000	0.000	0.000	0.117	416	1.69	703	166	0.063	90
13043	Cypress Lakes Utilities Inc	0.200	Y	GW	0.000	0.000	0.002	0.198	1,604	1.85	2,967	67	0.150	51
21107	Grenelefe Resort LLC	0.229	Y	GW	0.000	0.000	0.002	0.227	1,159	2.30	2,666	85	0.199	75

2023 ESTIMATED WATER USE REPORT

Table E-1. Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2023

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)
Polk County Totals		83.599			2.951	0.614	4.260	81.676	276,788	2.59	716,352	114	58.257	81
SARASOTA COUNTY														
2923	City of North Port	2.272	Y	SW/GW/RO	1.543	0.035	0.395	3.385	26,767	2.40	64,241	53	2.520	39
4318	City of Sarasota Public Works	9.138	Y	GW/RO	0.000	0.035	1.719	7.384	33,161	2.05	67,980	109	4.255	63
4866	Englewood Water District	4.105	Y	GW/RO	0.000	0.113	1.050	2.942	20,859	1.88	39,215	75	2.180	56
5393	City of Venice	4.412	Y	GW/RO	0.000	0.000	2.081	2.331	21,634	1.78	38,509	61	1.750	45
5807	Camelot Communities MHP	0.352	Y	GW/RO	0.000	0.000	0.000	0.352	969	1.82	1,764	200	0.352	200
7448	SNF Property, LLC	0.156	Y	GW/RO	0.000	0.000	0.000	0.156	1,519	1.92	2,916	53	0.156	53
8836	Sarasota County BOCC	5.370	Y	GW/RO	19.982	0.963	0.948	23.441	128,431	2.11	270,989	87	17.139	63
Sarasota County Totals		25.805			21.525	1.146	6.193	39.991	233,340	2.08	485,614	82	28.352	58
SUMTER COUNTY														
1368	Lake Panasoffkee Water Assoc	0.317	Y	GW	0.000	0.000	0.000	0.317	2,368	2.26	5,352	59	0.257	48
6519	City of Bushnell	0.521	Y	GW	0.000	0.000	0.005	0.516	1,791	2.36	4,227	122	0.251	59
7185	City of Webster	0.101	Y	GW	0.000	0.000	0.001	0.100	923	2.55	2,354	42	0.056	24
8135	City of Wildwood	3.313	Y	GW	0.000	0.000	0.074	3.239	5,553	2.04	11,328	286	1.246	110
8193	City of Center Hill	0.072	Y	GW	0.000	0.000	0.001	0.071	378	3.12	1,179	60	0.056	47
12584	Orange Blossom Utilities, Inc	0.137	N	GW	0.000	0.000	0.005	0.132	41	5.80	238	NA	0.059	NA
13005	The Villages of Marion & Sumter	23.658	Y	GW/SW	0.000	0.000	0.221	23.437	49,926	1.76	87,870	267	18.296	208
13123	Florida Grande Motor Coach Resort	0.060	Y	GW	0.000	0.000	0.001	0.059	259	2.44	632	93	0.060	95
20721	South Sumter Utility Company	1.705	Y	GW	0.026	0.004	0.017	1.710	13,822	1.83	25,294	68	1.134	45
20901	Gibson Place Utility/Middleton Utility	0.558	Y	GW	0.004	0.123	0.004	0.435	266	1.78	473	919	0.007	15
Sumter County Totals		30.442			0.030	0.127	0.329	30.016	75,327	1.84	138,947	216	21.422	154
Northern Planning Region		86.516			0.450	0.654	1.255	85.057	245,690	2.11	518,419	164	58.745	113
Tampa Bay Planning Region		127.563			223.067	18.535	9.362	322.733	1,322,142	2.34	3,096,705	104	221.950	72
Southern Planning Region		93.854			41.777	10.694	12.386	112.551	575,436	2.19	1,259,105	89	79.136	63
Heartland Planning Region		93.304			2.951	0.614	4.571	91.070	320,056	2.55	816,367	112	64.703	79
DISTRICT TOTALS		401.237			268.245	30.497	27.574	611.411	2,463,324	2.31	5,690,595	107	424.534	75

2023 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 2023 (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 2023 (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.

APPENDIX F

**ESTIMATED WATER USE REPORT
HISTORY AND METHODOLOGY**

2023 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 purchase and installation for automatic meter reading (AMR) devices 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 total permit allocation in annual average quantities. Each active withdrawal point has its own permitted allocation, and the sum of those withdrawal allocations should equal the WUP's total permitted quantity. There are some exceptions for very large WUPs that are allowed to rotate their withdrawal allocations. Also, the use type allocation(s) for each withdrawal point should equal the withdrawal allocation. Some WUPs also have maximum daily and peak month permitted quantities assigned.

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

2023 ESTIMATED WATER USE REPORT

- 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. The EWU Report's predominant-use tables group many uses with 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 from a separate well 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.

Large public supply utility WUPs 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 non-active 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. A few WUPs that officially expired before the end of year may still be listed in the report to include their withdrawals; or, if the withdrawal points were transferred to a different WUP, the prior withdrawals may be included with the new WUP.

ESTIMATED WATER USE REPORT METHODOLOGY

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

Data Capture

A "permit snapshot" of active WUP permit records is taken at the end of each calendar year because the permit codes may change daily as WUPs are approved, modified, or expire. The end-of-year snapshot becomes the EWU database for permit-related data.

2023 ESTIMATED WATER USE REPORT

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 snapshot for the 2023 EWU Report was last queried on October 22nd, 2024.

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 augmented storage ponds are excluded. Withdrawal points with the following use type codes are excluded to avoid counting alternative water sources or double-counting recirculated water:

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

The following “withdrawal point function codes” are excluded from the EWU query because they pertain to unregulated sources or injected/recharged water:

D	Domestic
GI	Geothermal Injection
J	Injection
RC	Recharge of aquifer with no recovery
RP	Repump withdrawal point

The following “withdrawal point operation codes” are excluded from the EWU query because they do not pertain to natural resources or have minimal impact:

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

2023 ESTIMATED WATER USE REPORT

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

The operation codes for rotational (**RI**) and standby (**SB** & **SA**) withdrawal points identify wells that allow occasional, flexible water use. If used, their pumpage is included in the tally of withdrawals, but their permitted quantity isn't added to the WUP's total permitted quantity. Likewise, withdrawal points operated for crop freeze protection only (**EC**) will have their withdrawals included, but the EWU datasets have applied a proxy permitted quantity of 2 gpd as a 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 in the EWU data 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 includes 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 transferred withdrawal points may be allocated to the new WUP.

Once the permit-level checks are complete, the EWU permit dataset's withdrawal points provide a template for querying the monthly pumpage. Some withdrawal points have daily-reported pumpage in WMIS which is converted to monthly averages. The pumpage data is checked for outlier quantities, such as 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

2023 ESTIMATED WATER USE REPORT

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 snapshot, the EWU author may substitute 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 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>Size Tier #</i>	<i>Permitted Quantity</i>
Tier 1:	< 50,000 gpd
Tier 2:	50,000 to 100,000 gpd
Tier 3:	> 100,000 to < 500,000 gpd
Tier 4:	500,000 gpd or more.

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

In a normal distribution, the 50th percentile (median) is equal to the average (mean) value. If the distribution is skewed, the median is not equal to the mean. The metered/permitted ratio distributions are typically skewed to the right (i.e., the mean average is greater than the median). At the low end of the distribution, pumpage data includes zeros for withdrawal points that are unused or unrecorded. At the high end, some ratios could be much greater than 1.0 due to over-pumpage or erroneous outliers. To negate the effects that bad end-values can have on the mean average, percentiles are used to select the most plausible ratios for estimation. A range of percentiles from the 50th through the 80th within the distribution are analyzed, and a percentile for each use-tier is selected that generates a feasible fit between mean and median values over the 12 months. A SAS graphing program is used to evaluate each use-tier. The monthly ratios in each use-tier that were used for the 2023 EWU Report are provided in Table F-1 below.

2023 ESTIMATED WATER USE REPORT

TABLE F-1. Monthly pumped/permitted Ratios used for Water Use Estimates, 2023

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	0.68	1.06	1.25	1.14	1.04	0.39	0.42	0.37	0.44	0.97	0.84	0.45	0.754	P75
Agriculture	2	0.54	0.76	0.94	0.84	0.78	0.21	0.16	0.21	0.17	0.54	0.56	0.29	0.500	P60
Agriculture	3	0.42	0.58	0.73	0.57	0.51	0.09	0.05	0.1	0.14	0.32	0.43	0.22	0.347	P60
Agriculture	4	0.03	0.22	0.67	0.7	0.55	0.05	0	0.01	0.16	0.47	0.34	0.05	0.271	P70
Industrial/Com	1	0.2	0.47	0.5	0.56	0.55	0.47	0.5	0.55	0.56	0.41	0.5	0.51	0.482	P60
Industrial/Com	2	0.48	0.74	0.57	0.52	0.48	0.37	0.63	0.45	0.09	0.01	0.35	0.06	0.396	P60
Industrial/Com	3	0.27	0.24	0.48	0.37	0.31	0.43	0.41	0.58	0.41	0.34	0.39	0.28	0.376	P55
Industrial/Com	4	0.42	0.32	0.4	0.47	0.35	0.45	0.42	0.4	0.37	0.45	0.47	0.35	0.406	P60
Institutional	1	0.49	0.56	0.59	0.64	0.42	0.53	0.31	0.24	0.31	0.75	0.82	0.76	0.535	P70
Institutional	2	0.25	0.45	0.50	0.88	0.86	1.11	0.75	0.86	1.17	0.69	0.57	0.93	0.752	P70
Institutional	3	0.5	0.53	0.67	1.18	0.81	0.66	0.75	0.75	0.7	1.05	0.79	0.69	0.757	P55
Institutional	4	0.5	0.53	0.67	1.18	0.81	0.66	0.75	0.75	0.7	1.05	0.79	0.69	0.757	P55
Landscape/Rec	1	0.5	0.69	0.99	1.06	0.86	0.87	0.87	0.83	0.86	1.07	1.1	0.76	0.872	P65
Landscape/Rec	2	0.46	0.74	1.02	0.94	0.93	0.81	0.75	0.51	0.47	0.56	0.65	0.42	0.688	P65
Landscape/Rec	3	0.23	0.55	0.9	0.87	0.85	0.68	0.58	0.63	0.55	0.71	0.65	0.31	0.626	P55
Landscape/Rec	4	0.02	0.06	0.39	0.97	0.63	0.73	0.7	0.22	0.02	0.21	0.78	0.27	0.417	P55
Mining/Dew	1	0.09	0.2	0.31	0.46	0.42	0.5	0.41	0.39	0.43	0.24	0.29	0.26	0.333	P70
Mining/Dew	2	0.02	0.02	0	0.03	0.26	0.26	0.02	0.08	0.14	0.05	0.04	0.03	0.079	P65
Mining/Dew	3	0.5	0.29	0.58	0.65	0.34	0.64	0.76	0.56	0.81	0.44	0.75	0.59	0.576	P60
Mining/Dew	4	0.52	0.23	0.23	0.18	0.24	0.2	0.29	0.33	0.18	0.23	0	0.21	0.237	P70
Other	1	0	0	0	0	0.07	0.1	0.22	0.79	0.92	3.4	0	0.45	0.496	P70
Other	2	0	0	0	0	0.07	0.1	0.22	0.79	0.92	3.4	0	0.45	0.496	P70
Other	3	0	0	0.31	1.14	0	0	0	0	0	0	0	0	0.121	P70
Other	4	0	0.03	0.33	0.69	0.79	0.32	0.29	0.19	0.34	0.3	0.45	0.24	0.331	P50
Public Supply	1	0.64	0.96	1.46	1.43	1	0.56	0.59	0.56	0.57	0.79	0.91	0.77	0.853	P55
Public Supply	2	0.77	0.93	1.03	0.97	1.01	0.88	0.92	0.97	0.96	0.93	1.07	0.77	0.934	P60
Public Supply	3	0.74	0.78	0.81	0.83	0.8	0.77	0.81	0.82	0.75	0.74	0.74	0.63	0.768	P50
Public Supply	4	0.67	0.73	0.9	0.98	0.97	0.78	0.78	0.79	0.76	0.78	0.67	0.62	0.786	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.

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

2023 ESTIMATED WATER USE REPORT

DOMESTIC SELF SUPPLY (DSS) ESTIMATIONS

The water use in the DSS category represents small domestic wells for potable supply at rural residences. DSS water use is not regulated by the District, as the wells typically have 4" diameter casings and withdraw small quantities that are below regulatory thresholds. Privately owned DSS wells typically do not have a meter, and pumpage records are not available to apply the estimation methods described above. As an alternative, the EWU Reports have provided a population-based estimate of DSS quantities since 1982. A "rural population" value for each county is multiplied by the county's average residential per capita use for public supply (from Table A-2) to estimate the DSS use quantity for each county.

Since 2014, the counties' rural population is calculated using a GIS-based analysis of census parcels located outside of utility-served areas. 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>.

2023 ESTIMATED WATER USE REPORT

