

Southwest Florida Water Management District 2020 Estimated Water Use Report



Myakka River Water Intake Structure for the Flatford Swamp Aquifer Recovery Project. Manatee County, FL
Photo by Sammy Smith

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Southwest Florida Water Management District

2020 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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2020 ESTIMATED WATER USE REPORT

Table of Contents

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

LIST OF FIGURES

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

2020 ESTIMATED WATER USE REPORT

LIST OF TABLES

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

APPENDICES

APPENDIX A Summaries of Metered Water Use Permits	61
Table A-1, Part 1. Public Supply Annual Report (PSAR) Water Use Data	63
Table A-1, Part 2. Withdrawals on other Metered Public Supply WUPs	71
Table A-2. PSAR Use Type Percentages and Residential Per Capita	76
Table A-3. PSAR Utility Permit to Permit Water Transfers	83
Table A-4. Public Supply Monthly Average Withdrawals by County	87
Table A-5. Permitted and Withdrawn Quantities on Metered Landscape/Recreation WUPs	88
Table A-6. Total Landscape/Recreation Average Monthly Withdrawals by County	105
Table A-7. Permitted and Withdrawn Quantities on Metered Agricultural WUPs	107
Table A-8. Total Agriculture Monthly Average Withdrawals by County	173
Table A-9. Permitted and Withdrawn Quantities on Metered Mining/Dewatering WUPs	175
Table A-10. Total Mining/Dewatering Monthly Average Withdrawals	179
Table A-11. Permitted and Withdrawn Quantities on Metered Industrial/Com. WUPs	181
Table A-12. Total Industrial/Commercial Monthly Average Withdrawals	188
Table A-13. Permitted and Withdrawn Quantities on Institutional and Other WUPs	189
Table A-14. Total Institutional and Other Monthly Average Withdrawals	193

2020 ESTIMATED WATER USE REPORT

APPENDIX B Summaries of Groundwater & Surface Water Withdrawals	195
Table B-1. Districtwide per County	196
Table B-2. Southern Water Use Caution Area	197
Table B-3. Most Impacted Area of the Southern Water Use Caution Area	198
Table B-4. Northern Tampa Bay Water Use Caution Area	199
Table B-5. Dover/Plant City Water Use Caution Area	200
Table B-6. FARMS Upper Myakka Priority Watershed	201
Table B-7. FARMS Shell Creek Priority Watershed	202
APPENDIX C Permitted Groundwater & Surface Water Annual Average Quantities	203
Table C-1. Districtwide per County	204
Table C-2. Southern Water Use Caution Area	205
Table C-3. Most Impacted Area of the Southern Water Use Caution Area	206
Table C-4. Northern Tampa Bay Water Use Caution Area	207
Table C-5. Dover/Plant City Water Use Caution Area	208
Table C-6. Dover/Plant City WUCA Freeze Protection Quantities	209
Table C-7. Dover/Plant City WUCA Freeze Protection Count.of.WUPs	209
APPENDIX D Historic Per Capita Rates from Public Supply Annual Reports	211
Table D-1. Public Supply Unadjusted Gross Per Capita Water Use	212
Table D-2. Public Supply Compliance Per Capita Water Use	218
APPENDIX E DEP Uniform Per Capita Report	225
Table E-1: DEP.Uniform Per Capita Report	226
APPENDIX F Estimated Water Use Report History and Methodology	233
Table F-1: Monthly and Annual Average Ratios for Unmetered Water Use Estimates	239

2020 ESTIMATED WATER USE REPORT

EXECUTIVE SUMMARY

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

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

Table ES-1. Districtwide Water Withdrawals and Use (mgd) in 2020.

Category	Withdrawal	Use
Public Supply	588.4	560.3
Domestic Self Supply	40.1	40.1
Landscape/Recreation	59.3	59.3
Agriculture	307.9	307.9
Mining/Dewatering	17.6	17.6
Industrial/Commercial	54.5	54.5
Institutional	0.9	0.9
"Other" Uses	1.2	1.2
Total	1,069.8	1,041.6

Source: Table 9

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

As shown, the total amount of water withdrawn in the District from natural resources was 1,069.8 mgd. The total water used was 1,041.6 mgd. Most withdrawals were for public supply at 55 percent of total withdrawals, followed by agriculture at 29 percent of withdrawals.

PUBLIC SUPPLY

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

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

The 588.4 mgd of public supply withdrawals in 2020 are up from the 564.7 mgd in 2019. After accounting for changes in storage and losses from treatment and transmission, the public supply use quantity is 560.3 mgd, which is up from the 533.7 mgd used in 2019.

The water used for public supply was distributed to a functional population of approximately 5.5 million persons. The unadjusted gross use per person was 99 gallons per capita per day (gpcd) Districtwide. Applying various deductions, the "adjusted gross per capita" was 98 gpcd, the "compliance per capita" was 93 gpcd, and the "residential per capita" was 69 gpcd. The multiple per capita measures are explained in the public supply chapter of this report.

DOMESTIC SELF-SUPPLY

The District does not regulate or meter domestic self-supply withdrawals, so this category is wholly estimated. An estimated rural population of 490,713 persons living outside of utility service areas used 40.1 mgd from their domestic wells, based on the countywide residential per capita use ratios observed for public supply.

LANDSCAPE/RECREATION

The landscape/recreation use category is for irrigation of large landscapes such as golf courses, municipal common areas, cemeteries, sports playing fields, and botanical gardens. It also includes consumptive uses at theme parks and other recreational attractions. The annual average use for 2020 was 59.3 mgd, which is up from 58.7 mgd in 2019. Irrigation of golf course play areas account for 49 percent of water use within the landscape/recreation category.

AGRICULTURE

The agriculture use category includes water for irrigation and establishment of crops, crop freeze protection, fertigation and chemigation, irrigation system maintenance, on-site washing and packing of products, animal watering and cleaning, and other uses. The average use in 2020 was 307.9 mgd, which was down from 339.9 mgd in 2019 and a record low. Citrus crops

2020 ESTIMATED WATER USE REPORT

accounted for 55 percent of the agriculture use total.

MINING/DEWATERING

The mining/dewatering quantities represent only the water consumed from natural resources. Mining operations recirculate much of their water supply on-site and utilize alternative water sources if available. Consumptive uses include processing of mined materials (on-site), non-recycled or make-up slurry transport water, dewatering quantities that are discharged off-site, water entrained with the product, and water for potable/sanitary use by employees. The annual average use in 2020 was 17.6 mgd, which was down from the 18.9 mgd in 2019. Phosphate mining accounted for 95 percent of the mining/dewatering total.

INDUSTRIAL/COMMERCIAL

The industrial/commercial use category is for self-supplied water used by industries and businesses. It includes product manufacturing, off-site phosphate processing, food and beverage processing and packing, power generation, evaporative cooling systems, and various commercial operations. The average industrial/commercial use in 2020 was 54.5 mgd, which was slightly down from the 55.2 mgd in 2019. Off-site phosphate processing accounted for 45% of the total, and power generation uses (non-seawater) accounted for 17 percent.

INSTITUTIONAL AND OTHER USES

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

The institutional use category includes hospitals, schools, and other facilities that were historically categorized as industrial/commercial or public supply. Institutional uses averaged 0.9 mgd in 2020.

The permitted “other” uses are primarily for environmental augmentation to maintain levels in surface water bodies if they fall below trigger

elevations defined by environmental management plans. In 2020 the “other” uses were approximately 1.2 mgd.

WATER USE CAUTION AREAS

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

SWUCA: A quantity of 555.3 mgd was withdrawn in the SWUCA, of which 449.3 mgd was from groundwater and 106.0 mgd was from surface water. The largest water use category in the SWUCA was agriculture at 250.6 mgd.

MIA of the SWUCA: A quantity of 92.0 mgd was withdrawn by WUPs in the MIA of the SWUCA, of which 53.9 mgd was from groundwater. Agriculture accounted for 37 percent of the withdrawals and public supply was 47 percent.

Northern Tampa Bay WUCA (NTB WUCA): A quantity of 322.5 mgd was withdrawn in the NTB WUCA in 2020, of which 177.5 mgd was from groundwater. The largest use category in the NTB WUCA was public supply at 85 percent of the total, although 51 percent of the public supply was from surface water sources.

Dover/Plant City WUCA (DPC WUCA): A quantity of 48.1 mgd of water was withdrawn in the DPC WUCA, of which 96 percent was from groundwater. The largest use in the DPC WUCA was for agriculture at 23.9 mgd. There were three minor frost events in the DPC WUCA in 2020.

FARMS PRIORITY WATERSHEDS

Tables B-6 and B-7 in Appendix B quantify water resource withdrawals within the FARMS priority watersheds of the Upper Myakka River and Shell Creek. Withdrawals in the Upper Myakka watershed totaled 17.5 mgd, nearly all from groundwater. The Shell Creek priority watershed withdrawals were 13.7 mgd, of which 51 percent were from groundwater.

2020 ESTIMATED WATER USE REPORT

INTRODUCTION

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

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

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

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

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

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

HISTORY OF SWFWMD ESTIMATED WATER USE REPORTS

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

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

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

2020 ESTIMATED WATER USE REPORT

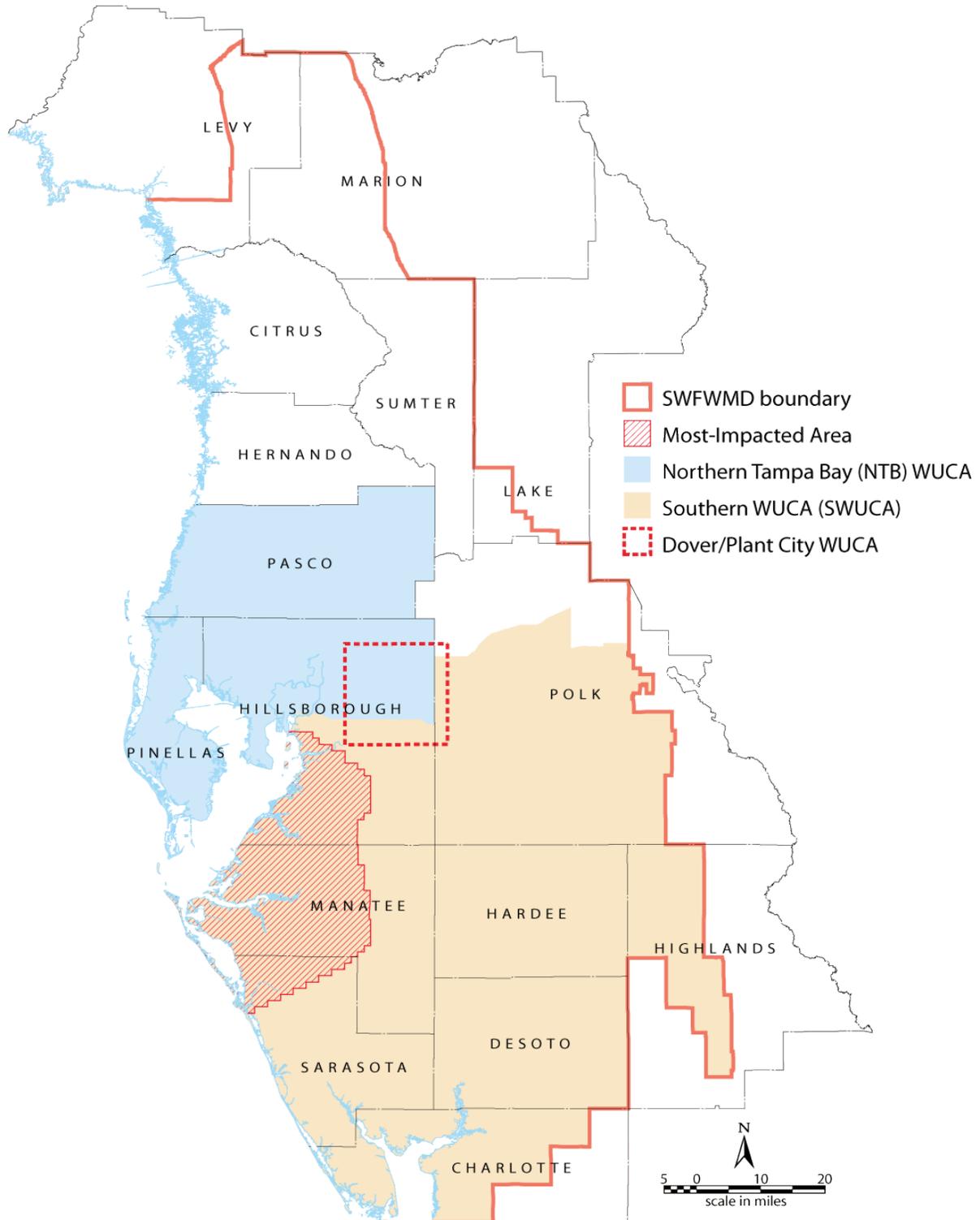


Figure 1. Southwest Florida Water Management District, Counties, and Water Use Caution Areas

2020 ESTIMATED WATER USE REPORT

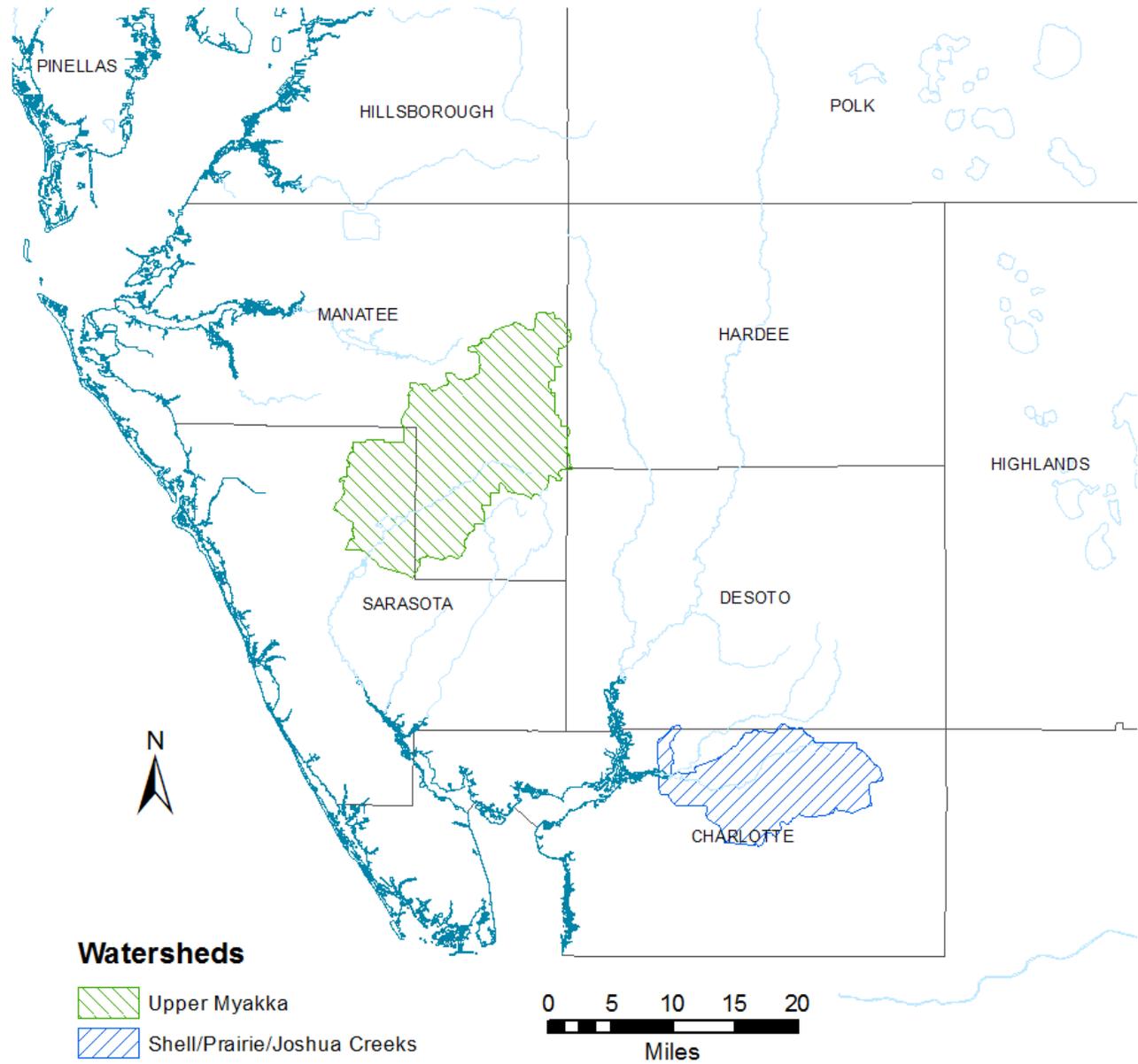


Figure 2. FARMS Priority Watershed Areas of Upper Myakka River and Shell, Prairie, and Joshua Creeks

2020 ESTIMATED WATER USE REPORT

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

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

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

WATER USE CATEGORIES

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

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

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

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

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

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

AUGMENTATION AND REPUMPED WATER

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

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

2020 ESTIMATED WATER USE REPORT

Groundwater Wells by Use Type and Permit Quantity (GPD)

AGRICULTURAL

- 1 - 50K
- 50K - 100K
- 100K - 500K
- 500K - 1M
- 1M - 6M

INDUSTRIAL AND COMMERCIAL

- 1 - 50K
- 50K - 100K
- 100K - 500K
- 500K - 1M
- 1M - 6M

LANDSCAPE/RECREATION

- 1 - 50K
- 50K - 100K
- 100K - 500K
- 500K - 1M
- 1M - 6M

MINING/DEWATERING

- 1 - 50K
- 50K - 100K
- 100K - 500K
- 500K - 1M
- 1M - 6M

PUBLIC SUPPLY

- 1 - 50K
- 50K - 100K
- 100K - 500K
- 500K - 1M
- 1M - 6M

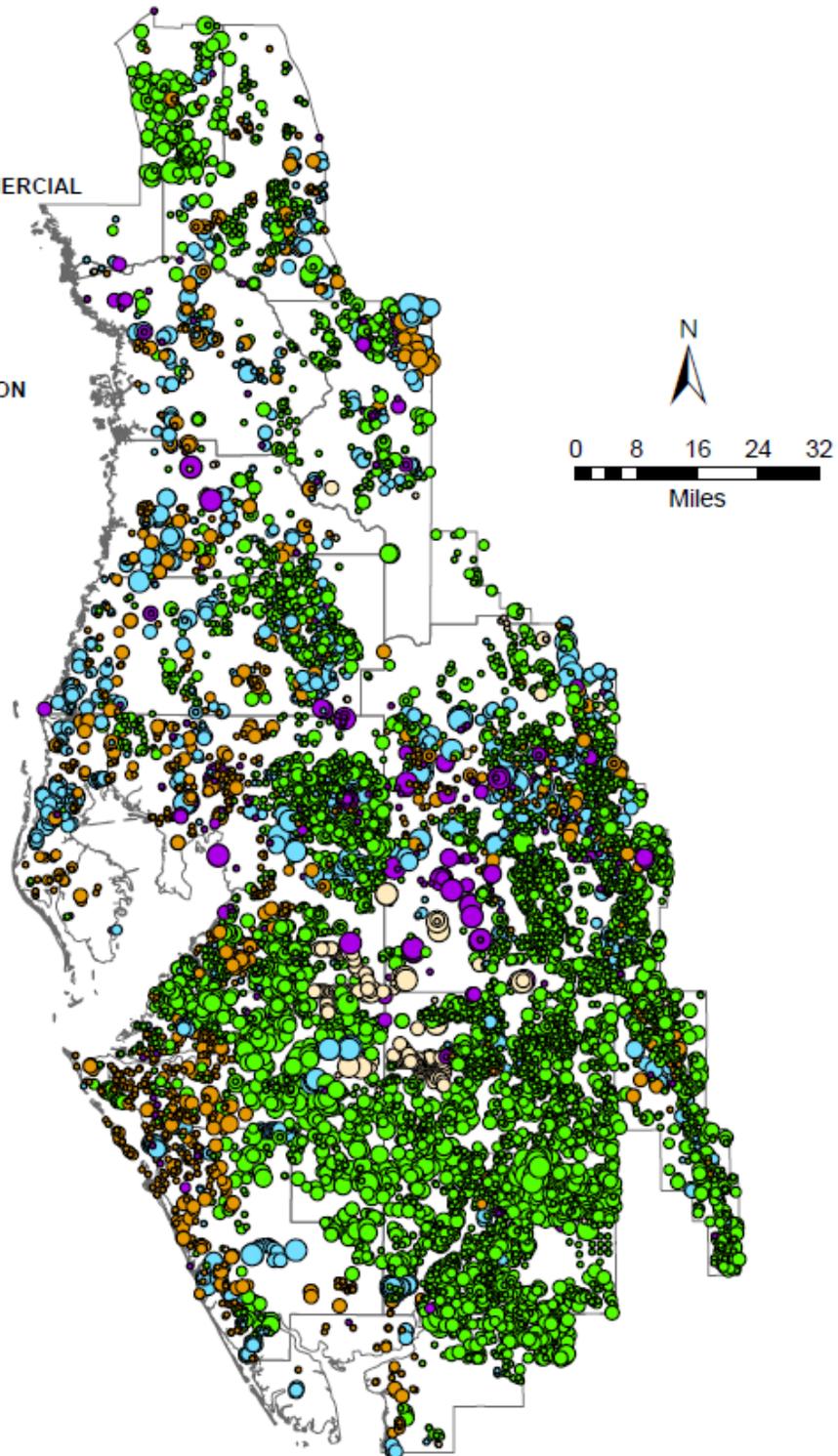


Figure 3. Active Groundwater Wells in the Southwest Florida Water Management District by Tiered Permitted Quantity (gpd annual average) and Predominant Use Type.

2020 ESTIMATED WATER USE REPORT

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

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

MITIGATION WITHDRAWALS

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

ALTERNATIVE WATER SUPPLY REQUIREMENTS

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

CAVEATS FOR WATER USE ESTIMATIONS

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

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

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

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

Meter Reporting Errors: This report was compiled by analyzing approximately 328,000 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 can be masked as a reasonable quantity or by the fact that some withdrawals will vary greatly by season or annually. Meter readings that appear within the realm of possibility may still contain undetected recording or reporting errors. Corrections are made to historical records in the WMIS database as they are identified with written consent from the permittee. If an error is obvious but the permittee is not respondent, the author may add additional adjustments for this report. This may create discrepancies between published EWU Reports and WMIS queries made at earlier or later dates.

Rounding Discrepancies: For this report, raw numbers were calculated to the gallon at the extent available, although many flow meters have hundred-gallon or thousand-gallon units. Values are rounded during the later stages of analysis. Despite the commutative and associative laws of mathematics, similar calculations of very large

2020 ESTIMATED WATER USE REPORT

data fields can yield slightly different answers. Thus, some totals shown may be slightly different from manual calculations performed by the reader. Small discrepancies occur occasionally within the tables due to rounding and averaging. For this reason, the mgd totals are presented to three decimal places in most tables and appendices to support calculations but are given to only one decimal place in the text to express a more conservative level of accuracy.

“USE” VERSUS “WITHDRAWAL” TERMINOLOGY

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

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

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

SNAPSHOTS IN TIME

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

Permit Data: A snapshot of 2020 permit data was taken on January 1st, 2021, to save the end-of-year 2020 WUP conditions. The snapshot captured attributes of every active WUP. The

permit snapshot data for the EWU Report includes:

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

Pumpage Data: Pumpage snapshots for this report are queried a few times later in the year. The permittees have a few weeks after the new year to upload their December pumpage. District staff first review the permit snapshot data because it defines which withdrawal points were valid and should their pumpage data counted. District staff also allow time through the year for tardy submissions and for pumpage errors to be identified and corrected with permission from the permittee. The final 2020 pumpage snapshot for this report was taken on October 20, 2021.

APPENDICES

Six appendices are provided in this report.

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

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

2020 ESTIMATED WATER USE REPORT

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

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

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

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

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

2020 ESTIMATED WATER USE REPORT

PUBLIC SUPPLY

WITHDRAWALS = 588.4 MGD

USE = 560.3 MGD

For the public supply use category, the location and quantity of water “used” by customers can vary from quantities “withdrawn” from water resources due to imports and exports between public supply utilities; treatment, storage, and distribution system losses; and net quantities retained and released from storage systems over the year to improve supply reliability. In 2020, average withdrawals in the District for public supply totaled 588.4 mgd. This total includes 343.2 mgd of groundwater, 236.8 mgd of surface water, and 8.4 mgd of desalinated seawater. The withdrawals increased from 564.7 mgd in 2019 and are above a ten-year average of 539.4 mgd.

After imports, exports, storage, and distribution losses were accounted for, the total gross public supply water use was 560.3 mgd. The public supply withdrawals and gross use for each county are shown in Table 1.

GENERAL INFORMATION

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

DATA SOURCES

There are three sources of data for the public supply water use category: the 2020 PSARs provided by large water utilities, metered withdrawals from the WMIS database for other permittees with a public supply allocation, and District-estimated withdrawals for small public supply WUPs (having allocations less than 100,000 gpd). In 2020, there were 355 active WUPs that included a public supply use. There

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

The PSARs include detailed annual water use and other demographic information. Select PSAR data for each utility is provided in Appendix A, Tables A-1 through A-3. Table A-1, Part 1 shows the water withdrawn from resources, import/exports, treatment losses, gross use, functional population served, and per capita use calculations. Table A-2 shows the PSAR utility-reported specific uses for water delivered: approximately 70 percent for residential uses, 18 percent for industrial/commercial customers served by utilities, 10 percent was accounted by distribution system losses, and the remainder was used for common-area irrigation, firefighting, etc. Table A-1, Part 2 lists the withdrawals and permit quantities of the metered non-PSAR WUPs.

There were 10 utility-served golf communities whose PSAR-reported withdrawals included golf course irrigation. To avoid double-counting with the landscape/recreation category of this report, those quantities are excluded in the Table 1 column “PSAR metered withdrawals.” Details are footnoted on the table.

There were 170 small, unmetered public supply permittees with estimated withdrawals totaling 4.0 mgd, mostly for residential uses. There were 48 metered WUPs that weren’t required to submit a PSAR and withdrew a combined 7.4 mgd for public supply. These permits include personal sanitary use at farms and institutions, small golf communities, environmental augmentation, other uses, or small utilities with a special metering condition because the withdrawals are near environmentally sensitive areas. The non-PSAR metered WUPs are listed in Appendix A, Table A-1, Part 2.

GROSS WATER USE QUANTITIES

The gross water use total of 560.3 mgd was 95 percent of the withdrawal total. The 20-year average percentage of public supply water used/withdrawn is 95 percent, with the lowest being 88 percent in 2006 and the highest being 105 percent in 2008. The high percentage was

2020 ESTIMATED WATER USE REPORT

due to stored water in the C.W. Bill Young Reservoir being drained for maintenance and beneficially used.

The ratio of water used/withdrawn varies immensely by county due to its transmission from regional water sources to utilities in neighboring counties. Pinellas County imported 81 percent of its public supply from either Pasco or Hillsborough County. Figure 3 has separate pie charts of the countywide water withdrawals and water use for public supply. Appendix A, Table A-3 provides a detailed accounting of water transfers among the utilities and regional water authorities.

GROUNDWATER, SURFACE WATER, & SEA WATER

In 2020, groundwater provided 58 percent of public supply water withdrawals in the District. Though not quantified for this report, it's assumed that approximately 90 percent of groundwater withdrawals were from the Upper Floridan aquifer. The surficial aquifer and the Hawthorne aquifer system (i.e. intermediate aquifer system) are utilized for public supply in southern counties.

The District's largest groundwater WUP is for Tampa Bay Water's Consolidated Wellfield (WUP #11771). The WUP's permitted quantity is for a combined 90 mgd among 11 regional wellfields located over three counties in the Tampa Bay area. The withdrawals are rotated for resting and recovery of groundwater resources in accordance with environmental management plans. In 2020, the annual average water withdrawn from the Consolidated Wellfield WUP was 80.0 mgd, with 34.8 mgd from wells in Pasco, 38.3 mgd from Hillsborough, and 6.9 mgd from Pinellas. The withdrawals are divided by county for this report but categorized as imports to Tampa Bay Water's regional system because the water may be blended with other sources before it reaches the member utilities.

Surface water accounted for 40 percent (236.8 mgd) of public supply water withdrawals in 2020. Most surface water withdrawals for public supply occur at large-scale water treatment facilities located in Hillsborough County (155.4 mgd), DeSoto County (30.6 mgd), and Manatee County (36.8 mgd). The Villages community in Sumter County utilized approximately 8.2 mgd of surface water captured in lined stormwater ponds for

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

Tampa Bay Water withdraws surface water from the Alafia River and canals connecting to the Hillsborough River. The water is stored for seasonal and drought-year reliability in the C.W. Bill Young Reservoir and is exported to utilities in Hillsborough, Pasco, and Pinellas counties. The reservoir has a capacity of 15.5 billion gallons. The reservoir held 15.08 billion gallons at the beginning of January 2020 and held 15.02 billion gallons at the end of the year.

Tampa Bay Water's seawater desalination facility near Apollo Beach treats saltwater withdrawn from Tampa Bay and blends the water into its regional system. The facility provided potable water for 225 days during dry periods at rates ranging from 7 to 20 mgd, which equated to an annual average production of 8.42 mgd in 2020. While on stand-by, the facility may send a small unspecified quantity of partially treated water to the C.W. Bill Young Reservoir. Within this report, the treated seawater effluent is included in the PSAR data, but it's excluded from specific totals for surface water and groundwater sources. Seawater withdrawals are not regulated by the District.

The Peace River Manasota Regional Water Supply Authority (PRMRWSA) withdraws and stores water in DeSoto County and distributes supplies to the county utility departments of Charlotte, DeSoto, and Sarasota, as well as the City of North Port. Manatee County is also a member of the PRMRWSA but is not currently a water customer. The Peace River facility has two off-stream reservoirs with a combined capacity of 6.9 billion gallons and 21 ASR wells with a combined storage capacity of 6.3 billion gallons.

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

2020 ESTIMATED WATER USE REPORT

and Evers Lake. The City of Punta Gorda in Charlotte County operates a treatment facility utilizing from Shell Creek. The permitted quantities and withdrawals at these facilities are listed in Appendix A.

PER CAPITA WATER USE MEASURES

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

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

UNADJUSTED GROSS PER CAPITA: The unadjusted gross per capita (UGPC) is simply the utility’s gross water use divided by the functional population served. In 2020, the Districtwide UGPC was 99 gpcd. A ten-year history of each utility’s UGPC is provided in Appendix D.

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

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

ADJUSTED GROSS PER CAPITA: The adjusted gross per capita (AGPC) allows for a more equitable comparison of utilities by incorporating

deductions of specific water uses that are unrelated to population. The PSAR forms allow water quantities for “significant use,” “golf courses,” and “environmental mitigation” to be subtracted before dividing by the population. In 2020, the Districtwide average AGPC was 98 gpcd.

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

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

The environmental mitigation deduction can be taken for augmentation quantities if a permittee was required to replenish any lakes or wetlands that were impacted by their withdrawals. No utilities used this deduction in 2020, but it’s an option for drier years. Districtwide annual rainfall was slightly above historic average.

COMPLIANCE PER CAPITA: The compliance per capita (CPC) includes the AGPC deductions plus two additional credits for stormwater use and reclaimed water exports. In 2020, the Districtwide average CPC was 93 gpcd. A ten-year history of each utility’s CPC is provided in Appendix D.

Stormwater deductions must be metered and reported under the WUP in order to be credited. The quantities must also be used within the utility’s service area, and the deduction can’t exceed the WUP allocation or actual withdrawals. Stormwater deductions also exclude golf course uses to avoid double-counting with the golf course deduction.

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

The CPC was developed for calculating compliance with a Districtwide conservation rule

2020 ESTIMATED WATER USE REPORT

set in 2009 with the goal of getting all public supply permittees to attain a CPC rate of 150 gpcd, based on a five-year average. In 2020, ten utilities had a five-year average CPC over 150 gpcd. The District works with high-use utilities to help improve water savings.

RESIDENTIAL PER CAPITA: The residential per capita (RPC) rate is a useful statistic for analyzing home water use only. The RPC represents water used only at single-family, multi-family, and mobile home residences according to the utility's billing detail. The RPC is not used for regulatory purposes, so formal documentation is not necessary. The Districtwide average RPC rate was 69 gpcd in 2020. The utility RPC values are provided in Appendix A, Table A-2. The countywide RPC values are used as a multiplier to estimate the domestic self-supply use in each county, as discussed in the next chapter.

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

The DEP uniform method provides both gross and residential per capita values. The residential population is calculated using the number of housing units and the average persons per household within the utility service area. The data is sent to the DEP annually and is provided in Appendix E, Table E-1. For 2020, the Districtwide DEP uniform gross per capita was 103 gpcd, and the DEP uniform residential per capita was 71 gpcd.

PUBLIC SUPPLY WATER TRANSFERS

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

Approximately 247 mgd was transferred among utilities and water authorities within the District in 2020.

MONTHLY WATER WITHDRAWALS AND RAINFALL

A monthly analysis of public supply surface water and groundwater withdrawals in comparison to monthly rainfall is illustrated in Figure 5. Surface water withdrawals increase during the rainy season for storage in off-stream reservoirs and ASR systems to provide year-round reliability. Districtwide average rainfall in 2020 was 50.9 inches, which was below the historic average of 52.8 inches. The month of March 2020 set a record low rainfall of 0.2 inches, and water use was about 13% higher than March 2019 likely from increased residential irrigation. The monthly withdrawal source data for Figure 5 is provided in Appendix A, Table A-4. The monthly data is calculated from WMIS pumpage records and excludes seawater desalination and stormwater use.

PUBLIC SUPPLY IN WATER USE CAUTION AREAS

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

In the SWUCA, 224.3 mgd of water was withdrawn for public supply, of which 135.8 mgd was withdrawn from groundwater (Table B-2). Polk County had the most public supply withdrawals in the SWUCA at 63.9 mgd.

In the MIA within the SWUCA (Table B-3), 43.4 mgd of water was withdrawn for public supply, of which 36.8 mgd was from surface water sources in Manatee County that help reduce stress on aquifer resources in the MIA.

In the NTB WUCA, 272.8 mgd was withdrawn for public supply, of which 132.7 mgd was from groundwater and 140.1 mgd was from surface water (Table B-4). The surface water withdrawals were entirely from Hillsborough County.

In the DPC WUCA (Table B-5), 23.7 mgd was withdrawn from groundwater for public supply. Tampa Bay Water's South-Central Wellfield (WUP #4352) has 6 of its 17 supply wells within the DPC WUCA boundary. The total above includes withdrawals just from the wells within the DPC WUCA.

2020 ESTIMATED WATER USE REPORT

PUBLIC SUPPLY PERMITTED QUANTITIES

The total permitted quantities allocated by the District for public supply were 823.2 mgd (annual average), of which 480.7 mgd were permitted for groundwater sources. The total permitted quantities by source, county, use type, and WUCA are provided in Appendix C. These permitted values were effective at the end of the 2020 calendar year.

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

Comparing groundwater withdrawn for public supply (343.2 mgd) to the permitted groundwater quantity (480.7 mgd) shows that 71.4 percent of

the permitted groundwater sources were withdrawn in 2020.

It should be noted that in Appendix C, Tables C-1 and C-4, the permit allocation for Tampa Bay Water's Consolidated Wellfield WUP (90 mgd, annual average) is assigned solely to Hillsborough County, although a share of withdrawals occur in Pasco and Pinellas counties. This permit allows for rotational use 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.

2020 ESTIMATED WATER USE REPORT

Table 1. Summary of Metered and Estimated Public Supply Water Withdrawals and Water Use (mgd), 2020

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	8.880	11.216	1.235	1.476	17.385	0	0.034	8.914	4.163	4.751	17.419
Citrus⁶	14.321	0.452	0.511	0.111	14.151	0.121	0.341	14.783	14.783	0	14.613
DeSoto	35.018	0.669	32.121	2.152	1.414	0	0.053	35.071	4.519	30.552	1.467
Hardee	1.124	0	0	0.033	1.091	0	0.061	1.185	1.185	0	1.152
Hernando	20.740	0	0	0.266	20.474	0	0.100	20.840	20.840	0	20.574
*Highlands	8.107	0	0	0.158	7.949	0.036	0.163	8.306	8.285	0.021	8.148
Hillsborough^{7,8}	236.764	75.107	147.973	6.009	158.362	6.242	0.581	243.587	79.764	155.403	165.185
*Lake	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.709	0	0	0.147	0.562	0.087	0	0.796	0.796	0	0.649
Manatee	50.174	5.276	7.798	2.400	45.252	0.008	0.005	50.187	13.376	36.811	45.265
*Marion	11.322	0	0	0.045	11.277	0.221	0.166	11.709	11.709	0	11.664
Pasco⁹	47.151	38.866	37.866	0.445	47.706	0.247	1.197	48.595	48.595	0	49.150
Pinellas⁹	25.435	87.042	18.003	4.341	90.133	0.039	0.064	25.538	25.538	0	90.236
*Polk^{6,8}	71.884	2.182	0.529	0.686	72.851	0.331	1.057	73.272	73.272	0	74.239
Sarasota⁶	20.075	21.810	1.146	5.575	35.164	0	0.092	20.167	19.132	1.035	35.256
Sumter^{6,10}	25.286	0.116	0.117	0.242	25.043	0.097	0.114	25.497	17.256	8.241	25.254
District Total	576.990	242.736	247.299	24.086	548.814	7.429	4.028	588.447	343.213	236.814	560.271

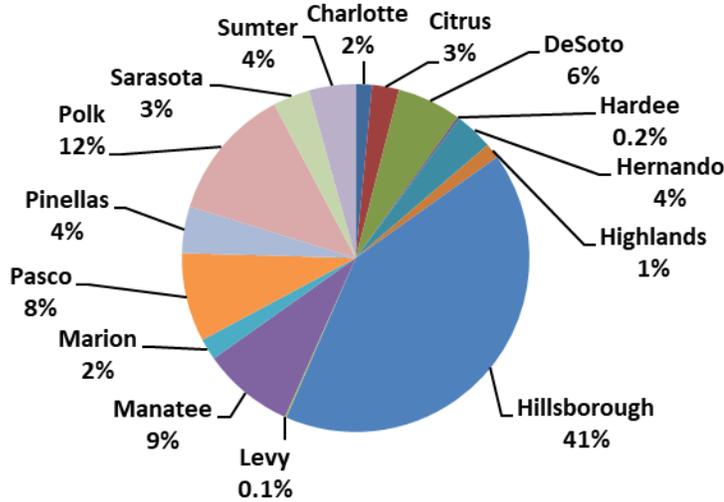
Data Sources: 2020 Public Supply Annual Reports & Estimated Water Use Tables derived from the WMIS database.

Calculations from raw data create minor rounding discrepancies in totals.

- * Data is only for the portion of the county within the District.
- 1 Generally, Gross Use = Withdrawal + Imports – Exports – Treatment losses. Discrepancies can occur from seasonal storage, transmission losses, and other reasons footnoted.
- 2 Quantities metered by public supply permittees that were not required to submit PSARs.
- 3 Estimated for non-metered Small General water use permits (less than 100,000 gpd on an annual average basis).
- 4 The total Public Supply withdrawals = PSAR metered withdrawals + non-PSAR metered withdrawals + estimated public supply withdrawals.
- 5 The total Public Supply use = PSAR gross use + non-PSAR metered withdrawals + estimated public supply withdrawals.
- 6 The countywide PSAR metered withdrawal contains deductions from totals shown in Appendix A, Table A-1, to avoid double-counting of mixed-use permit quantities represented other categories. The deductions are -0.017 in Citrus, -0.734 mgd in Polk, -0.208 mgd in Sarasota, and -0.910 mgd in Sumter counties.
- 7 The total PSAR Withdrawal for Hillsborough County includes 8.42 mgd of Tampa Bay Water’s seawater desalination effluent. The seawater quantity is not included in subtotals of specific surface water or groundwater withdrawals.
- 8 The countywide PSAR metered withdrawal was adjusted from totals shown in Appendix A, Table-A, to correct for "water year" (Oct-Sept) data reported by the City of Tampa WUP 2062 (-0.472 mgd) and by City of Lakeland WUP 4912 (-0.218 mgd).
- 9 The City of Tarpon Springs (WUP 742) is in Pinellas County but has three of its 26 supply wells just over the border in Pasco County. The Pasco wells withdrew 0.526 mgd, or 14% of the City's withdrawal total. No adjustment was applied to this table.
- 10 The Total PSAR Withdrawal for Sumter County includes 8.241 mgd of stormwater captured and beneficially used by The Villages.

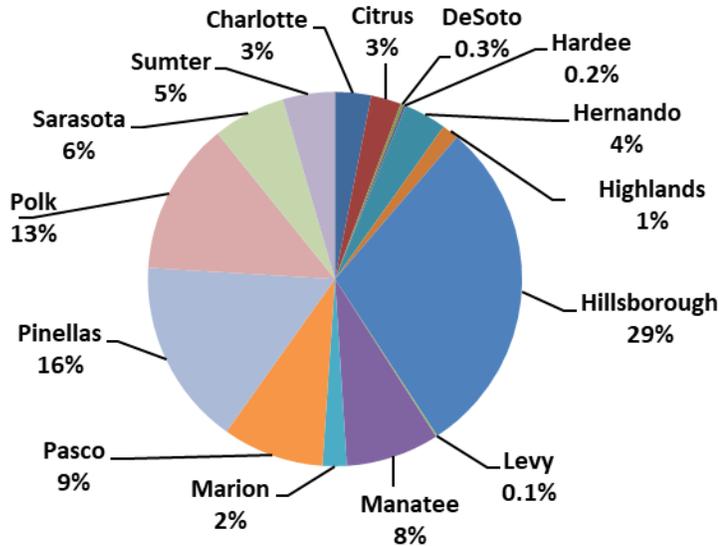
2020 ESTIMATED WATER USE REPORT

Percent of Public Supply Withdrawals By County



Total Withdrawals = 588.4 mgd (PSAR, non-PSAR metered, and estimated)
 Calculation includes only District portion of counties.

Percent of Public Supply Use By County



Total Use = 560.3 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, 2020

(Data Source: Table 1)

2020 ESTIMATED WATER USE REPORT

Public Supply Monthly Withdrawals and Rainfall

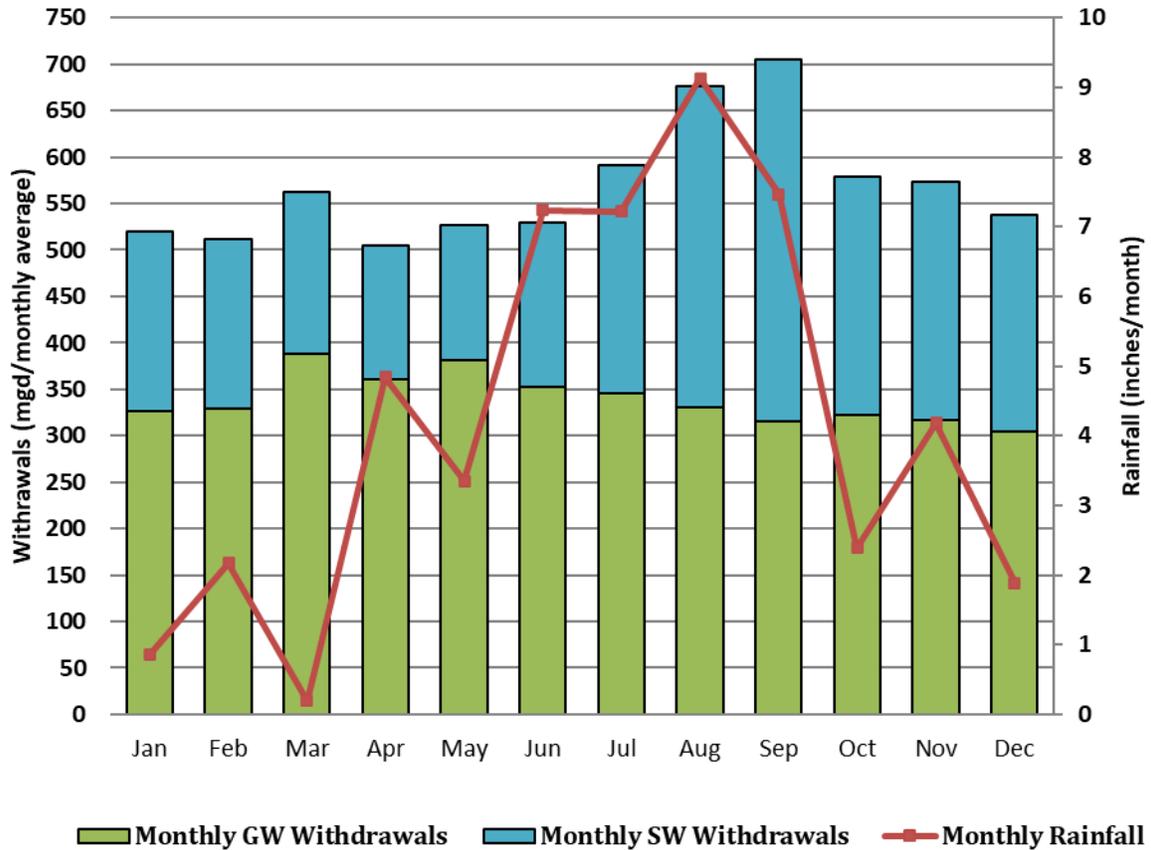


Figure 5. Public Supply Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2020

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

2020 ESTIMATED WATER USE REPORT

DOMESTIC SELF-SUPPLY WITHDRAWAL/USE = 40.1 MGD

An estimated 40.1 mgd of water was used for domestic self-supply within the District in 2020. This estimate is an increase from 34.8 mgd in 2019.

GENERAL INFORMATION

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

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

METHODOLOGY

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

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

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

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

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

ADDITIONAL IRRIGATION USE

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

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

2020 ESTIMATED WATER USE REPORT

Table 2. Summary of Domestic Self-Supply Water Use by County, 2020

County	GIS-Based Calculated Self-Supply Population ¹	Average Residential Per Capita Use ² (gpd/person)	Estimated Domestic Self-Supply Water Use ³ (mgd)
*Charlotte	6,384	66	0.421
Citrus	47,199	90	4.248
DeSoto	20,086	38	0.763
Hardee	11,081	41	0.454
Hernando	38,376	89	3.415
*Highlands	12,719	66	0.839
Hillsborough	120,846	74	8.943
*Lake ⁴	1,383	69	0.095
*Levy	14,595	58	0.847
Manatee	11,560	64	0.740
*Marion	36,341	116	4.216
Pasco	84,362	72	6.074
Pinellas	6,169	51	0.315
*Polk	26,708	76	2.030
Sarasota	14,299	53	0.758
Sumter	38,605	154	5.945
District Total	490,713		40.103

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.

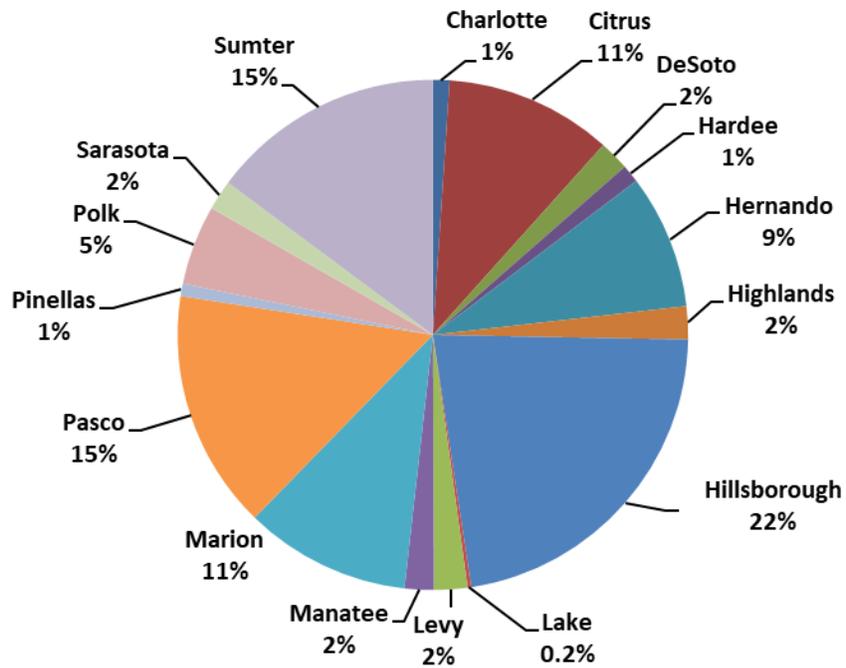
² "Residential Per Capita," is from Table A-2 in Appendix A and is based on PSAR-reported residential water use submitted by utilities.

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 69 gpcd (Appendix A, Table A-2) was used as the multiplier for Lake County because there were no Public Supply permittees in the District portion of Lake County.

2020 ESTIMATED WATER USE REPORT

Percent of District Domestic Self Supply Use By County



Total Use = 40.1 mgd

Calculation includes only District portion of counties

Figure 6. Percentage of Estimated Domestic Self-Supply Water Use by County, 2020

(Data source: Table 2)

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

LANDSCAPE/RECREATION

WITHDRAWAL/USE = 59.3 MGD

Landscape/recreation water withdrawals were 59.3 mgd within the District in 2020. This quantity is up slightly from 58.7 mgd in 2019. The ten-year average is 58.4 mgd.

GENERAL INFORMATION

The landscape/recreation use category is mostly for dedicated irrigation WUPs for golf courses, large landscapes, botanical gardens, cemeteries, parks, sports playing fields, and municipal common areas. Approximately 10 percent was for non-irrigation uses including public restrooms and facilities, aesthetic water fountains, and water-based recreation.

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

Multi-Use WUPs: Approximately 14 percent of the WUPs with a landscape/irrigation allocation also had permit allocations in another predominant use category. If the majority of the permitted use is for landscape irrigation, the WUP's primary use type is listed as landscape/recreation even if the permittee's business practice may fit another category. All multi-use WUPs have their withdrawals fractioned by predominant uses for the appropriate chapter in this report.

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

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

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

2020 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 29.1 mgd, which was 49 percent of the total for this category.
- Lawn and landscape irrigation use was 20.0 mgd, or 34 percent, and may include the non-playing areas at golf resorts.
- An additional 4.5 mgd was used for other permitted irrigation uses including community common areas, sports fields, cemeteries, parks and playgrounds, and botanical gardens.

The augmentation group (3.9 mgd) is for water used to maintain surface water body levels for both aesthetic purposes and environmental

2020 ESTIMATED WATER USE REPORT

mitigation related to landscape/recreation withdrawals.

Animals & aquariums (1.5 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” (0.1 mgd) and include recreation-related uses such as public drinking fountains, air conditioners, cleaning and maintenance, decorative water features, firefighting, personal/sanitary use, office facilities, food preparation, etc.

Figure 7 shows the percentage of use for each county. Manatee and Hillsborough Counties had the most use, both at 9.9 mgd.

GROUNDWATER & SURFACE WATER

In 2020, groundwater provided 90 percent (53.6 mgd) of the landscape/recreation water supply withdrawn in the District. Surface water use was 5.7 mgd. Charlotte, Pinellas, and Sarasota counties used the most surface water for landscape/recreation. The surface water quantity reflects only withdrawals from natural resources; water from irrigation ponds that also receive reclaimed water or groundwater augmentation are excluded.

MONTHLY WITHDRAWALS

Figure 8 graphs the monthly average surface and groundwater use in comparison to regional rainfall. The graph demonstrates an inverse relationship between groundwater use and rainfall. The month of March 2020 had a record low rainfall for the month, and water use was highest that month.

APPENDICES

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

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

Appendix B provides the specific groundwater and surface water use average quantities for each county and WUCA. In the SWUCA, the landscape/irrigation water use totaled 31.4 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 2020 was 124.5 mgd. Approximately 48 percent of the quantities permitted Districtwide for landscape/recreation supply were utilized.

2020 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, 2020

County	Irrigation: Golf Course Play Areas	Irrigation: Lawn & Landscape	Irrigation: Sports Fields, Cemeteries, Parks, etc.	Augmentation ¹	Animals & Aquariums	Commercial, Restrooms, Sanitary, Other Uses ²	Water Parks & Recreation ³	Total	Total Ground-water	Total Surface Water
*Charlotte	0.964	0.700	0.122	0	0	0.003	0.128	1.917	0.861	1.056
Citrus	2.989	0.217	0.066	0.005	0	0.002	0.017	3.296	3.091	0.205
Desoto	0.123	0.042	0	0	0.002	0	0	0.167	0.167	0
Hardee	0.096	0.026	0	0.005	0	0	0	0.127	0.127	0
Hernando	2.559	0.519	0.194	0	0	0.002	0	3.274	3.274	0
*Highlands	1.741	0.337	0.059	0	0	0	0	2.137	2.135	0.002
Hillsborough	2.518	2.767	2.063	1.225	1.293	0.029	0.027	9.922	8.970	0.952
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0.119	0	0.022	0	0.005	0.005	0	0.151	0.151	0
Manatee	2.018	7.641	0.244	0	0	0.004	0	9.907	9.567	0.34
*Marion	2.170	0.232	0.230	0	0.036	0.026	0.001	2.695	2.695	0
Pasco	1.963	0.537	0.176	1.531	0.027	0.032	0	4.266	4.026	0.240
Pinellas	2.313	0.783	0.310	0	0	0.001	0.006	3.413	2.437	0.976
*Polk	4.008	1.214	0.780	1.086	0.059	0.013	0	7.160	6.674	0.486
Sarasota	2.869	4.664	0.200	0	0.031	0.017	0.029	7.810	6.391	1.419
Sumter	2.692	0.277	0.083	0	0	0.005	0	3.057	3.057	0
District Total	29.142	19.956	4.549	3.852	1.453	0.139	0.208	59.299	53.623	5.676
% of Total	49%	34%	8%	6%	2%	0%	0%	100%	90%	10%
Groundwater Use	26.193	17.880	4.508	3.249	1.453	0.132	0.208		53.623	
Surface Water Use	2.949	2.076	0.041	0.603	0	0.007	0			5.676

* 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.

2020 ESTIMATED WATER USE REPORT

Percent of Landscape/Recreation Use by County

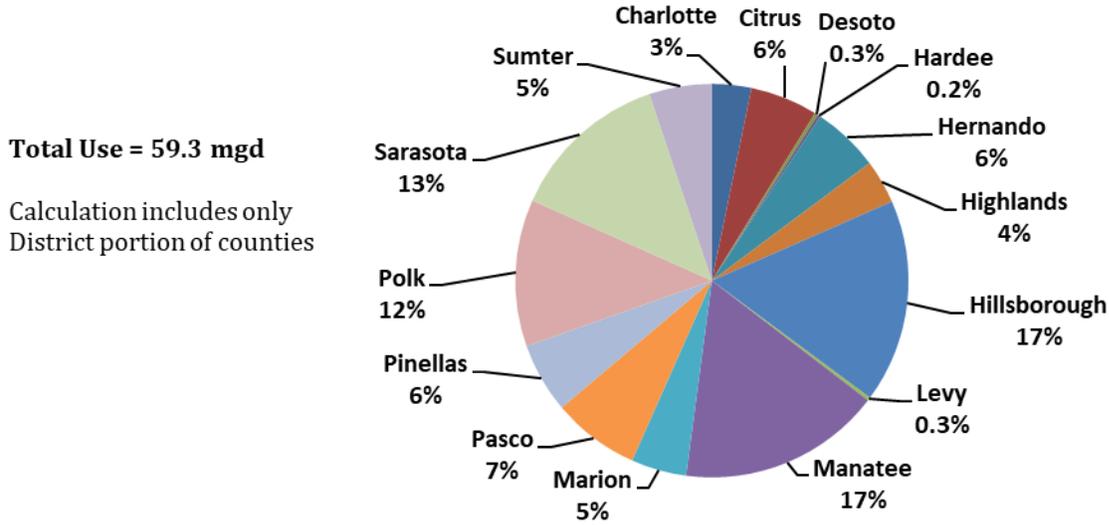


Figure 7. Percentage of Landscape/Recreation Water Use by County, 2020

(Data Source: Table 3)

Landscape/Recreation Monthly Withdrawals and Rainfall

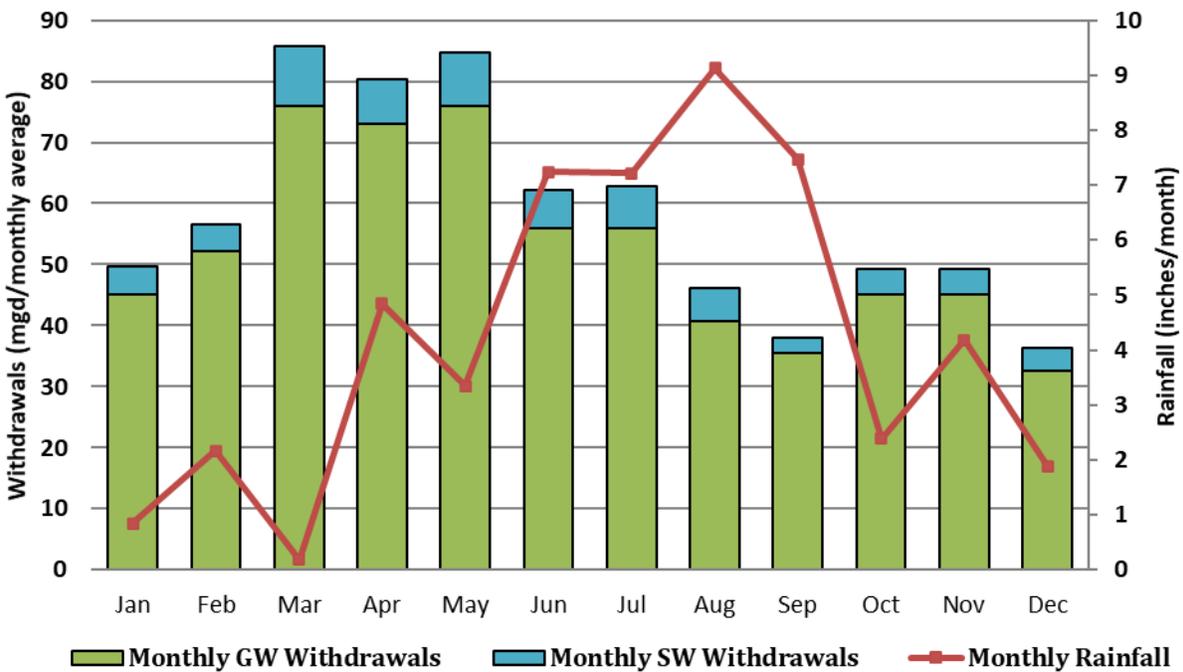


Figure 8. Landscape/Recreation Surface Water and Groundwater Withdrawals (mgd/month) and Regional Rainfall (inches/month), 2020

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

2020 ESTIMATED WATER USE REPORT

AGRICULTURE WITHDRAWAL/USE = 307.9 MGD

In 2020, the total agriculture water withdrawals in the District were 307.9 mgd, which is a 9 percent decrease from the 339.9 mgd withdrawn in 2019, and is a record low. The agriculture use type category is for water withdrawals from natural resources related to agricultural activities including irrigation, bed preparation, crop establishment, fertigation, chemigation, product washing and packing, freeze protection, irrigation system maintenance, livestock water needs, and potable water for farm employees.

GENERAL INFORMATION

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

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

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

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

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

2020 DATA

The Districtwide agricultural water use quantity of 307.9 mgd in 2020 is 16 percent below a ten-year average of 364.5 mgd, and a record low since 1994, when the District's estimation method was standardized. The prior record low was 312 mgd in 2005, a year when there was excessive tropical rainfall. Year-to-year fluctuations of agricultural water use are common and are often more pronounced than with other predominant use types. There are multiple factors for the annual variability including effective rainfall, freeze protection events, and citrus disease.

Effective Rainfall: Districtwide average rainfall in 2020 was 50.9 inches, which was little below the historic average of 52.8 inches. The month of March had a record low rainfall of 0.2 inches, however the rainy season that typically starts around May or June began in April, and consistent rainfall occurred through the rest of the year. So even with a low annual average, the rainfall was "effective" enough to lower water demands for direct irrigation and augmentation of irrigation ponds. Figure 10 illustrates the high water use in March followed by a muted amount of use during the fall crop establishment season.

Freeze Protection: Frost/freeze events typically last for a few hours or days, but the short-term water use for crop protection can significantly influence the annual average totals. Pumping for freeze protection of strawberries, citrus, blueberries, nurseries, and aquaculture can remove over 800 mgd from the aquifer during a single freeze event. An 11-day freeze in 2010

2020 ESTIMATED WATER USE REPORT

caused an intense but temporary aquifer drawdown that impacted approximately 750 neighboring wells, exacerbated approximately 140 sinkholes in the area, and caused an estimated \$8 million in damages. The freeze led to the establishment of the DPC WUCA Recovery Strategy, and many measures to reduce freeze protection use have been enacted over the last decade. In 2020, there were three minor frost events (below 35 degrees F.) recorded in the DPC WUCA on January 22nd, December 2nd, and December 26th; but the impacts did not appear excessive. In 2021 the recovery strategy was removed, but the protective measures that help reduce water use will stay in place. Table C-6 presents freeze protection quantities permitted to agricultural WUPs by crop type. More information about the DPC WUCA is available at:

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

Citrus Disease: Citrus groves across Florida have been impacted by the Huanglongbing virus, commonly referred to as citrus greening. Citrus acreage in the District has declined over the last ten years, however it remains the dominant crop in the region. Citrus irrigation was down to 170.0 mgd in 2020, which is well below a 20-year average of 237.2 mgd.

COUNTY AND CROP TYPES

Table 4 summarizes water use by county and by agricultural use groups based on similar crop types. The District's agricultural groupings are similar to those used by the Florida Department of Agricultural and Consumer Services. Citrus remains the largest crop use in the District at 55 percent of the total agricultural withdrawals. Tomatoes were the second largest crop at 8 percent, and benefitted from rainfall during the Fall establishment period. Figure 9 is a pie chart showing the percentage of water used for agriculture by each county. The county with the most agricultural water use in 2020 was Polk County at 69.1 mgd.

GROUNDWATER & SURFACE WATER

Groundwater was the source of 96 percent of the agricultural withdrawals (295.3 mgd) in 2020. Surface water resource withdrawals were 12.6 mgd. This surface water quantity represents

withdrawals from natural resources exclusively. It does not include pumpage from tailwater recovery systems, storage ponds that are augmented or used to blend reclaimed water, captured stormwater, or other AWS sources. This exclusion prevents double-counting of pumpage from augmentation wells.

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

Appendices

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

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

Appendix B provides the specific groundwater and surface water use average quantities for each county, the WUCAs, and the FARMS priority watershed areas of Upper Myakka River and Shell, Prairie, and Joshua Creeks. Table B-2 shows that Agriculture accounted for 45 percent of all water withdrawals in the SWUCA, exceeding public supply.

Appendix C shows the permitted annual average quantities for the District and within each WUCA by groundwater and surface water. Table C-1 shows that 746.3 mgd was permitted for agriculture in the District, of which 708.1 mgd was for groundwater. The amount of groundwater permitted for agriculture Districtwide is 1.5 times the amount permitted for public supply. 41 percent of the permitted agricultural quantities were pumped in 2020.

2020 ESTIMATED WATER USE REPORT

FARMS Priority Watersheds: Two tables in Appendix B are provided to assist with tracking the success of agricultural conservation programs. The Districts' FARMS program (Facilitating Agricultural Resource Management Systems) has focus areas in the Upper Myakka and Shell Creek Watersheds (Figure 2). The water use in these priority watersheds is provided in tables B-6 and B-7, respectively. Agricultural water use in the Upper Myakka watershed was 14.7 mgd, nearly all from

groundwater. Agricultural water use in the Shell Creek watershed was 7.2 mgd, of which 75 percent was from groundwater.

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

2020 ESTIMATED WATER USE REPORT

Table 4. 2020 Summary of Metered + Estimated Annual Average Agricultural Water Withdrawals (mgd) by County and Water Source by Use

County	Blue- berry	Citrus	Field Crop ¹	Melon	Nursery	Pasture	Sod	Straw- berry	Tomato	Vegetable	Aqua- culture	Live- stock, Dairy	Other ²	Total	Ground- water	Surface Water
*Charlotte	0	3.649	0.374	0.104	0.076	0.109	1.039	0	0.417	1.342	0	0.006	0.009	7.125	5.633	1.492
Citrus	0.266	0.150	0.570	0.225	0.085	0.055	0.023	0.183	0.057	0.008	0	0.003	0.028	1.653	1.603	0.050
Desoto	0.527	37.150	0.223	3.162	0.098	1.354	2.725	0.346	0.779	0.679	0.404	0.106	0.090	47.643	46.878	0.765
Hardee	2.160	25.070	0.719	0.812	1.314	1.152	0.685	0.339	0.472	0.872	0	0.348	0.158	34.101	33.788	0.313
Hernando	0.190	0.595	0.250	0	0.404	0.058	0	0	0	0.057	0	0.068	0.030	1.652	1.626	0.026
*Highlands	0.321	33.491	0.156	0.259	0.269	0.114	0.513	0	0	0	0	0.380	0.090	35.593	31.259	4.334
Hillsborough	1.492	2.145	0.478	2.001	3.514	0.569	1.055	16.787	4.222	6.060	2.483	0.031	0.451	41.288	38.715	2.573
*Lake	0.052	0.385	0.215	0.081	0	0.050	0.065	0	0	0	0.018	0.001	0	0.867	0.867	0
*Levy	0.083	0	7.273	1.249	1.184	0.179	0.414	0	0	0.470	0	0	0	10.852	10.852	0
Manatee	0.008	5.467	0.514	0.370	0.942	0.246	2.180	1.264	18.522	10.896	0.066	0.310	0.001	40.786	40.639	0.147
*Marion	0.018	0	1.543	0.605	0.474	0.095	0	0	0.002	0.006	0	0.035	0.237	3.015	3.015	0
Pasco	0.659	3.030	0.694	0.056	0.280	0.192	0.171	0	0.100	0.289	0	0.094	0.085	5.650	5.594	0.056
Pinellas	0	0	0	0	0	0	0	0	0	0	0	0	0.017	0.017	0.017	0
*Polk	4.512	58.467	0.601	0.089	0.865	0.791	1.483	0.558	0	0.157	0.859	0.077	0.636	69.095	66.386	2.709
Sarasota	0.008	0.295	0.067	0.000	0.170	0.104	0.539	0	1.116	0.051	0.003	0.057	0	2.410	2.285	0.125
Sumter	0.208	0.099	1.169	0.970	1.441	0.050	0.442	0	0.026	0.162	1.405	0.061	0.070	6.103	6.103	0
District Total	10.504	169.993	14.846	9.983	11.116	5.118	11.334	19.477	25.713	21.049	5.238	1.577	1.902	307.850	295.260	12.590
% of Total	3%	55%	5%	3%	4%	2%	4%	6%	8%	7%	2%	1%	1%	100%	96%	4%
Groundwater	9.742	162.283	14.846	9.517	10.621	5.050	10.767	17.883	25.626	20.238	5.208	1.577	1.902		295.260	
Surface Water	0.762	7.710	0	0.466	0.495	0.068	0.567	1.594	0.087	0.811	0.030	0	0			12.590

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

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

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

² Other includes: Lawn & landscape irrigation by agricultural businesses (0.348 mgd), non-citrus fruit trees and vineyards (0.981 mgd), research (0.338 mgd), and miscellaneous non-irrigation agriculture uses (0.235 mgd).

2020 ESTIMATED WATER USE REPORT

Percent of Agriculture Use by County

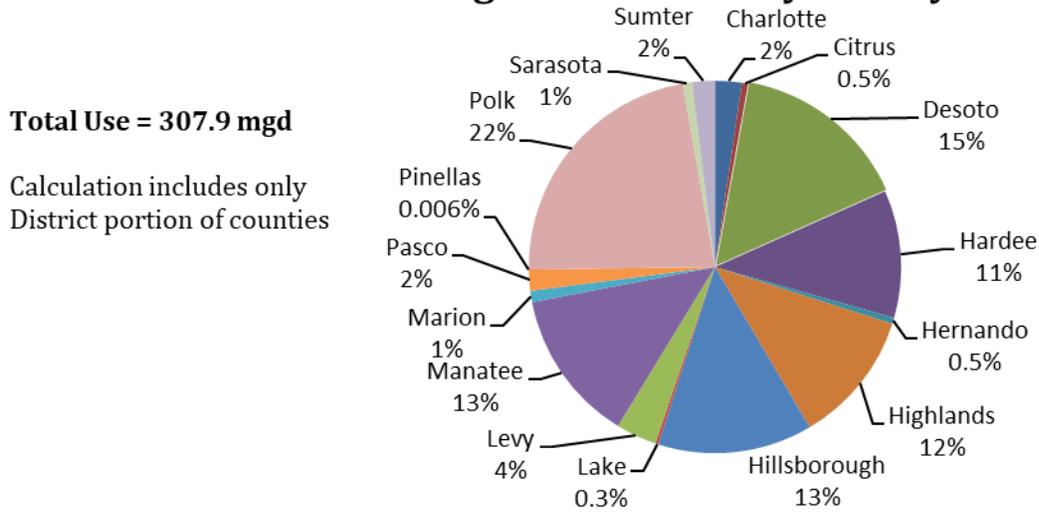


Figure 9. Percentage of Agriculture Water Use by County, 2020

(Data source: Table 4)

Agriculture Monthly Withdrawals and Rainfall

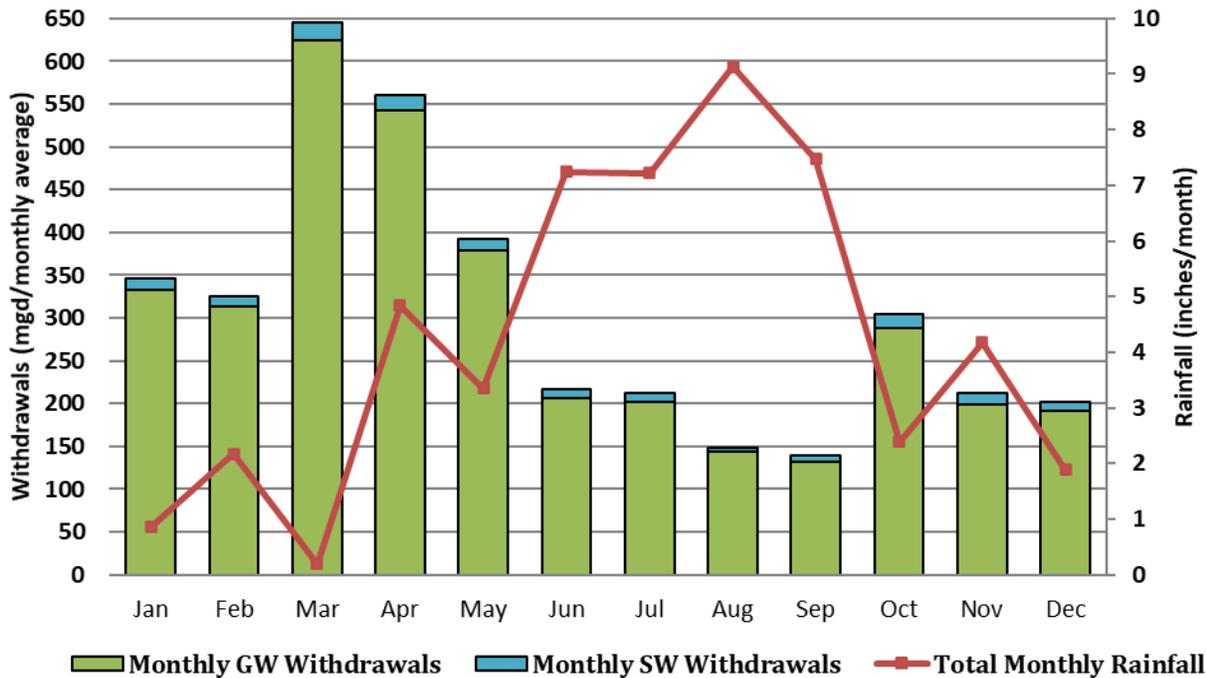


Figure 10. Agriculture Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2020

(Data Sources: Appendix A, Table A-8 and 2020 District rainfall data)

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

MINING/DEWATERING WITHDRAWAL/USE = 17.6 MGD

In 2020, 17.6 mgd was withdrawn from water resources for mining and dewatering activities in the District. This amount is down from the 18.9 mgd withdrawn in 2019 and below the ten-year average of 22.1 mgd. 98 percent of the water was withdrawn from groundwater sources. Dewatering activities for construction (non-mining) were only 0.02 mgd of this use category in 2020.

GENERAL INFORMATION

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

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

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

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

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

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

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

The Mosaic Fertilizer Integrated WUP (#11400) had 126 active resource withdrawal points in 2020 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 33.5 mgd, of which 16.7 mgd was for mining/dewatering and the remainder was for material processing that was categorized as industrial/commercial use.

2020 DATA

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

2020 ESTIMATED WATER USE REPORT

Figure 11 shows the percentage of mining/dewatering water use by each county. Polk County had the majority of use in 2020.

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

Appendices

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

Appendix B provides groundwater and surface water use quantities in 2020 by groundwater

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

The tables in Appendix C provide the permitted quantities for mining/dewatering in 2020 by county, by groundwater and surface water, and within each WUCA. Comparing the total use for mining/dewatering to the total permitted (55.1 mgd) indicates that 32 percent of the permitted quantities were utilized.

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

2020 ESTIMATED WATER USE REPORT

Table 5. Mining/Dewatering Water Withdrawals (mgd) by County & Use Type, 2020

County	Non-Mine Dewatering	General Mining Uses	Sanitary Use, Fire Safety	Limestone Mining	Peat Mining	Phosphate Mining	Sand/Shell/Gravel Mining	Total	Ground-water	Surface Water
*Charlotte	0.014	0.104	0	0	0	0	0.038	0.156	0.012	0.144
Citrus	0	0.044	0	0	0	0	0	0.044	0.021	0.023
Desoto	0	0.006	0	0	0	0	0	0.006	0.001	0.005
Hardee	0	0	0	0	0	1.760	0	1.760	1.76	0
Hernando	0	0.012	0	0.004	0	0	0	0.016	0.012	0.004
*Highlands	0	0.009	0	0	0	0	0	0.009	0.001	0.008
Hillsborough	0	0.023	0	0	0	1.982	0.010	2.015	2.003	0.012
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0	0	0
Manatee	0	0.024	0	0	0	3.888	0	3.912	3.912	0
*Marion	0	0.022	0	0.001	0	0	0	0.023	0.023	0
Pasco	0	0.063	0	0	0	0	0	0.063	0.003	0.060
Pinellas	0	0	0	0	0	0	0	0	0	0
*Polk	0.007	0.100	0	0	0	9.050	0.331	9.488	9.440	0.048
Sarasota	0	0	0	0	0	0	0.003	0.003	0	0.003
Sumter	0	0.059	0	0.033	0	0	0	0.092	0.036	0.056
District Total	0.021	0.466	0	0.038	0	16.680	0.382	17.587	17.224	0.363
% Of Total	0.1%	3%	0.0%	0.2%	0%	95%	2%	100%	98%	2%
Groundwater Use	0.007	0.195	0	0.008	0	16.680	0.334		17.224	
Surface Water Use	0.014	0.271	0	0.030	0	0	0.048			0.363

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

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

2020 ESTIMATED WATER USE REPORT

Percent of Total Mining/Dewatering Use by County

Total Use = 17.6 mgd

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

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

Calculation includes only District portion of counties

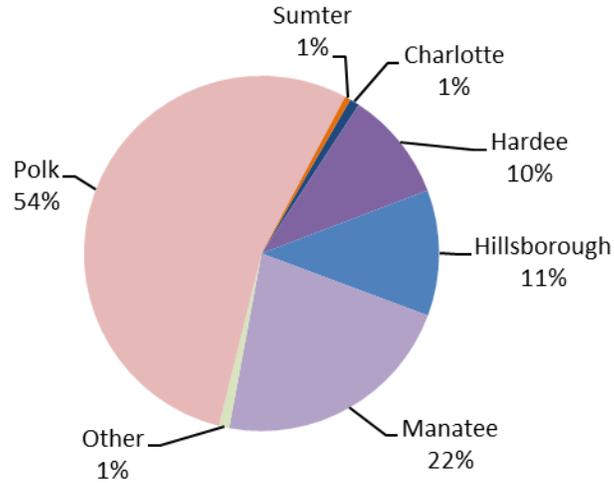


Figure 11. Percentage of Mining/Dewatering Water Use by County, 2020

(Data source: Table 5)

Mining/Dewatering Monthly Withdrawals and Rainfall

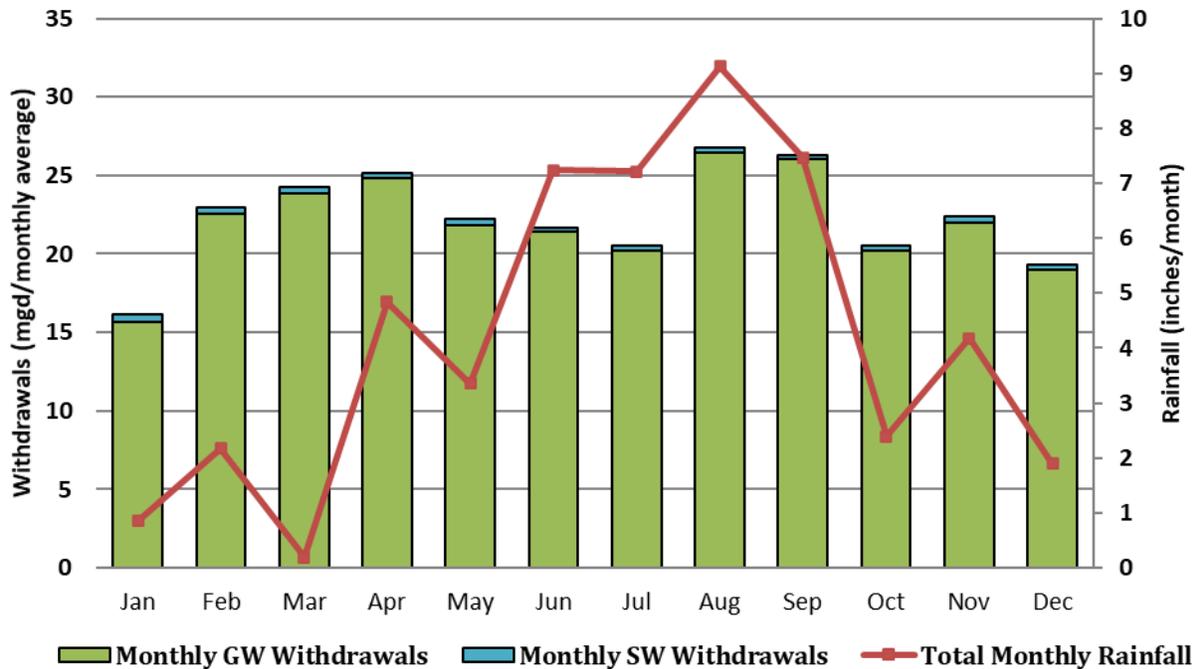


Figure 12. Mining/Dewatering Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2020

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

2020 ESTIMATED WATER USE REPORT

INDUSTRIAL/COMMERCIAL WITHDRAWAL/USE = 54.5 MGD

Approximately 54.5 mgd were withdrawn for industrial/commercial water uses in the District in 2020. This was a decrease from 55.2 mgd withdrawn in 2019 and below a ten-year average of 57.7 mgd. Groundwater was the source of 93 percent of the industrial/commercial withdrawals.

GENERAL INFORMATION

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

Industries and commercial businesses that purchase water from public supply utilities are not included in this category. Large public supply utilities report the water quantities sold to industrial/commercial customers in their PSARs. Detailed information on this public supply component is available in Appendix A, Table A-2. In 2020, public supply utilities sold 101.1 mgd to industrial/commercial customers.

2020 DATA

Table 6 shows the county-level water use by industry group type and by groundwater and surface water. Each use group is discussed below:

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

Power Generation: The water used by 19 permitted power facilities from natural resources totaled 9.3 mgd. Power Generation uses may include water used for steam cooling, once-through cooling flows, emission control, boiler feed and makeup water, personal sanitary needs for visitors and employees, and other

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

Food Processing and Packing: Food processing and packing uses totaled 3.9 mgd. Most of this use was for citrus processing facilities in DeSoto and Polk counties.

Beverage Processing: Beverage processing includes water for content or dilution in beverage products, including bottled water. The quantity used was 1.3 mgd.

Phosphate Processing: When phosphate minerals are transported from the mine site where it was extracted to a separate processing facility, the water for processing is classified as an industrial/commercial use. Off-site phosphate processing totaled 24.3 mgd in 2020, with most of the use in Polk County.

Cement & Lime Processing: This group includes water used for cement manufacturing, concrete batch plants, products made from cement or concrete, and lime processing for food, fertilizer, or water treatment. Water use for this category was 0.8 mgd.

Manufacturing & Chemical Processing: This group includes water used for numerous industries including asphalt manufacturing, biofuel generation, chemical manufacturing, and other general product manufacturing. The quantities may include both product content and manufacturing uses such as cooling and cleaning. Water use for this category was 6.8 mgd.

General/Specialty: The general/specialty group includes various commercial businesses not specific to other groups such as car washes, laundries, water well contracting, and temporary water supplies for construction projects. The group also includes generalized commercial uses including water for air conditioners and boilers, personal sanitary use, cleaning, maintenance, emission control, refrigeration, product dilution, and equipment cooling. It also includes environmental augmentation related to industrial/commercial uses. Most of these uses are relatively small, but cumulatively they totaled 7.8 mgd in 2020.

2020 ESTIMATED WATER USE REPORT

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

Figure 14 shows monthly water use for the industrial/commercial category by surface water and groundwater sources and comparative rainfall. Since irrigation accounts for a small fraction of this category, rainfall has a minimal influence on the groundwater use. Surface water use was more consistent through 2020 than in prior years, when power plant cooling water may be limited by availability.

Appendices

Appendix A, Table A-11 provides WUP-specific information from the metered permittees. It gives the water source, the total permitted quantity for each WUP, and how much of the

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

Appendix B provides groundwater and surface water use quantities in 2020 by groundwater and surface water, by county, and by the WUCAs.

Appendix C provides the quantities permitted in 2020 by county, by groundwater and surface water, and by the WUCAs. The Districtwide total permitted allocation for industrial/commercial uses was 141.3 mgd, and 39 percent of the allocation was used in 2020.

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 2020, the WUP's industrial/commercial withdrawals were mostly in Polk County.

2020 ESTIMATED WATER USE REPORT

Table 6. Industrial/Commercial Withdrawals (mgd) by County & Use Type, 2020

County	I/C Landscape Irrigation	Power Generation	Food Processing & Packing	Beverage Processing	Phosphate Processing	Cement & Lime Processing	Manufacturing & Chemical Processing	General/Specialty ¹	Total	Total Ground-water	Total Surface Water
*Charlotte	0	0	0.001	0	0	0.029	0	0.007	0.037	0.037	0
Citrus	0	1.410	0	0.043	0	0.003	0.107	0.250	1.813	1.813	0
Desoto	0	0.080	0.241	0	0	0	0	0.366	0.687	0.687	0
Hardee	0	0.017	0.021	0	0.016	0	0.025	3.042	3.121	3.121	0
Hernando	0	3.030	0	0	0	0.264	0.020	0.004	3.318	3.293	0.025
*Highlands	0.002	0	0.015	0	0	0	0.030	0.056	0.103	0.102	0.001
Hillsborough	0.026	0	0.260	0	1.729	0.075	4.833	2.419	9.342	6.652	2.690
*Lake	0	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0.015	0.015	0.015	0
Manatee	0.002	0.027	0.013	0	0	0.076	0.015	0.236	0.369	0.369	0
*Marion	0	0	0.005	0	0	0	0	0.016	0.021	0.021	0
Pasco	0.019	0.169	0	0.633	0	0.001	0.035	0.308	1.165	0.586	0.579
Pinellas	0.005	0	0	0	0	0	0	0.139	0.144	0.144	0
*Polk	0.121	4.524	3.246	0.576	22.600	0.126	1.704	0.537	33.434	33.212	0.222
Sarasota	0.052	0	0	0	0	0.057	0.004	0.024	0.137	0.132	0.005
Sumter	0.002	0	0.120	0.020	0	0.146	0.063	0.394	0.745	0.713	0.032
District Total	0.229	9.257	3.922	1.272	24.345	0.777	6.836	7.813	54.451	50.897	3.554
% of Total	0.4%	17%	7%	2%	45%	1%	13%	14%	100%	93%	7%
Groundwater Use	0.224	9.068	3.895	0.693	24.345	0.730	4.170	7.772		50.897	
Surface Water Use	0.005	0.189	0.027	0.579	0	0.047	2.666	0.041			3.554

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.

2020 ESTIMATED WATER USE REPORT

Percent of Industrial/Commercial Use by County

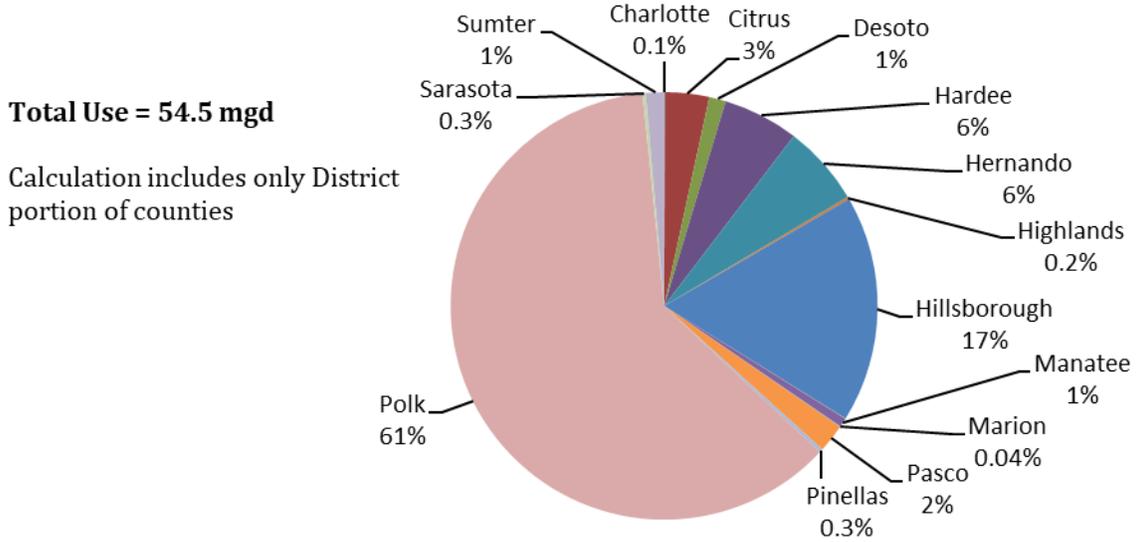


Figure 13. Percentage of Industrial/Commercial Water Use by County, 2020
(Data source: Table 6)

Industrial/Commercial Monthly Withdrawals and Rainfall

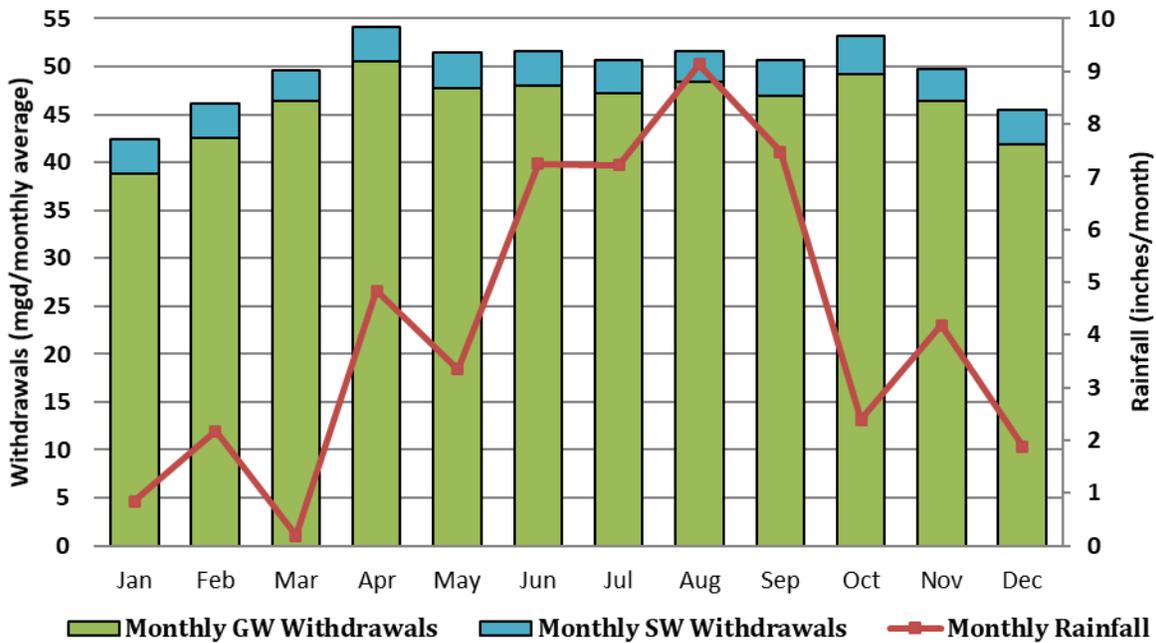


Figure 14. Industrial/Commercial Monthly Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2020
(Data sources: Appendix A, Table A-12 and District rainfall data)

2020 ESTIMATED WATER USE REPORT

INSTITUTIONAL AND “OTHER” WITHDRAWAL/USE = 2.082 MGD

Approximately 2.082 mgd were withdrawn for institutional and “other” water uses in the District in 2020. This was an increase from 0.6 mgd withdrawn in 2019, in part from more permittees in the category and increased augmentation.

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

By the end of 2020, there were 32 WUPs that utilized the institutional water use category and 10 WUPs using the “other” use category. The numbers will continue to grow as WUPs with uses that fit these categories are renewed and issued.

INSTITUTIONAL USE

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

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

“OTHER” USE

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

Eight of the 10 “other” WUPs active in 2020 were for environmental augmentation. The quantities are available to maintain minimum lake levels near regional wellfields in Pasco and Hillsborough counties, and minimum flows on the Hillsborough River. The augmentation withdrawals are operated in support of environmental management plans to maintain surface water levels when they fall below specific trigger levels. Augmentation is primarily needed during drought conditions, so demand is low when there is significant rainfall. In 2020, 9.6 percent of the permitted environmental augmentation quantities were used.

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

2020 DATA

Table 7 provides the combined water use under the institutional or “other” categories. Figure 16 displays the monthly surface water and groundwater use in comparison to monthly rainfall. The peak surface water use in May was for environmental augmentation of the lower Hillsborough River.

Appendix A, Table A-13 provides the specific uses and quantities for WUPs in this category. Both metered and estimated WUPs are included since the list of WUPs is relatively small. Table A-14 provides the monthly use quantities by county. Appendix B provides groundwater and surface water use quantities in 2020 by county and by WUCA. Appendix C provides the quantities permitted in 2020 by county, by groundwater and surface water, and by WUCA. The Districtwide total permitted allocation for institutional and “other” uses was 14.4 mgd.

2020 ESTIMATED WATER USE REPORT

Table 7. Institutional and “Other” Withdrawals (mgd) by County & Use Type, 2020

County	Institutional, Air Conditioning	Institutional, Fire Systems	Institutional, Landscape	Institutional, Personal/ Sanitary	Institutional, Sports Fields	"Other" Augmen- tation	"Other" Aquatic Habitat	Total	Ground- water	Surface Water
*Charlotte	0	0	0	0	0.013	0	0	0.013	0.013	0
Citrus	0	0.001	0.007	0	0	0	0	0.008	0.008	0
Desoto	0	0	0	0	0	0	0	0	0	0
Hardee	0	0	0.007	0.256	0	0	0	0.263	0.263	0
Hernando	0	0	0	0	0	0	0	0	0	0
*Highlands	0	0	0.014	0	0.005	0	0	0.019	0.019	0
Hillsborough	0.113	0	0.002	0.024	0	0.886	0	1.025	0.139	0.886
*Lake	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0.001	0	0	0.001	0.001	0
Manatee	0	0	0	0	0	0	0	0	0	0
*Marion	0	0	0	0.034	0	0	0	0.034	0.034	0
Pasco	0	0	0	0.177	0.006	0.297	0	0.480	0.460	0.020
Pinellas	0.001	0	0	0	0	0	0	0.001	0.001	0
*Polk	0	0.001	0	0.195	0	0	0.018	0.214	0.214	0
Sarasota	0	0	0	0	0.024	0	0	0.024	0.024	0
Sumter	0	0	0	0	0	0	0	0	0	0
District Total	0.114	0.002	0.030	0.686	0.049	1.183	0.018	2.082	1.176	0.906
% of Total	5%	0%	1%	33%	2%	57%	1%	100%	56%	44%
Groundwater	0.114	0.002	0.03	0.686	0.049	0.277	0.018	1.176	1.176	
Surface Water	0	0	0	0	0	0.906	0	0.906		0.906

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

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

2020 ESTIMATED WATER USE REPORT

Percent of Institutional/Other Use by County

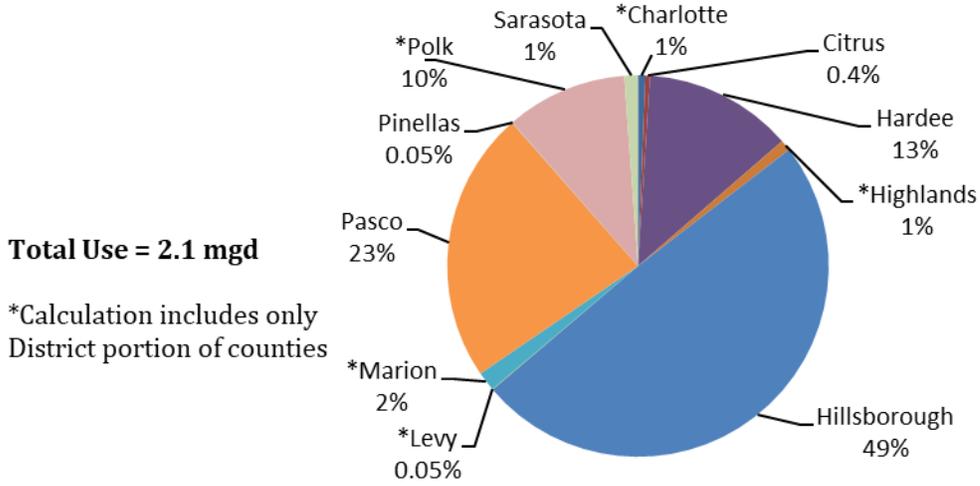


Figure 15. Percentage of Institutional and “Other” Water Use by County, 2020
(Data source: Table 6)

Institutional & "Other" Monthly Withdrawals and Rainfall

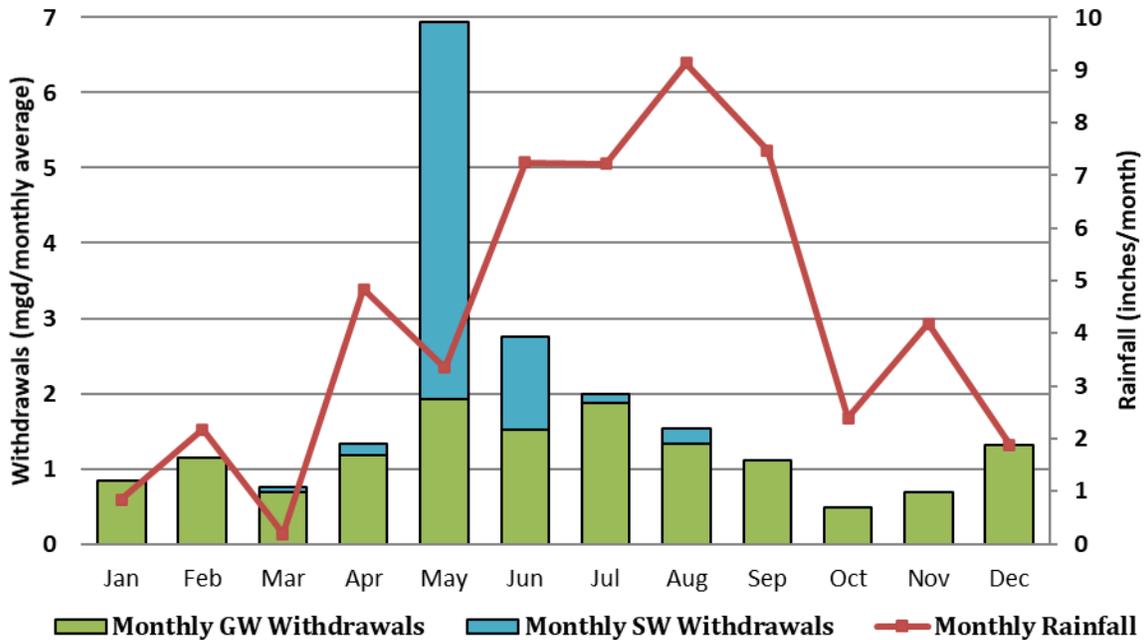


Figure 16. Institutional and “Other” Monthly Surface Water and Groundwater Withdrawals (mgd/month) and District Regional Rainfall (inches/month), 2020.

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

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

DISTRICTWIDE TOTALS
WITHDRAWALS = 1,069.8 MGD
USE = 1,041.6 MGD

The total amount of water *withdrawn* from water resources in the District was calculated as 1,069.8 mgd. The total *withdrawals* are down slightly from 1,072.8 mgd in 2019 and are below a ten-year average of 1,083.7 mgd. Withdrawals increased from 2019 in the public supply, domestic self-supply, landscape/recreation, and institutional/other use categories and decreased in the agriculture, mining/dewatering, and industrial/commercial categories.

This report quantifies public supply *withdrawals* and *uses* separately. After factoring public supply differences into the District total, the total water *used* in the District was calculated as 1,401.6 mgd, which is relatively the same as the 1,041.8 mgd *used* in 2019.

2020 DATA

The 2020 data was based on 6,983 WUPs active during the year with a combined 16,937 resource withdrawal points (groundwater wells or surface water intakes), plus reported seawater desalination production and demographic estimates for domestic self-supply use. Only 29 percent of the active WUPs are required to report metered water use to the district on a monthly or daily schedule. However, the metered WUPs may have water allocations that are orders-of-magnitude greater than unmetered WUPs. Therefore, the metered WUPs comprise 88 percent of the total allocation *permitted* by the District. Tables 8a and 8b show the historical metered quantities and the count and quantities permitted to metered and unmetered WUPs.

Table 9 provides the totals of water *withdrawn* and water *used* in the District in 2020 by use type and county, as summarized from the prior chapters. The quantities *withdrawn* and *used* are assumed to be the same for all use categories except public supply. The public supply *use* accounts for imports, exports,

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

Table 10 provides a comparison of *permitted* quantities to *withdrawn* quantities under the authority of District WUPs. The total quantity *permitted* for resource withdrawals on an annual average basis was 1,904.9 mgd. To directly compare *withdrawal* quantities to *permitted* quantities, the District excludes the domestic self-supply estimate (40.1 mgd) and seawater desalination (8.4 mgd) to calculate 1,021.3 mgd of WUP-authorized withdrawals. The comparison shows 54 percent of the total *permitted* quantities were *withdrawn*. A substantial unused permitted quantity is expected because permit allocations provide for demands during drought conditions and for the future projected needs during the duration of the permit.

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

Figure 18 compares the amount of groundwater and surface water withdrawn in each county in 2020. The figure illustrates that Hillsborough County had the greatest amount of water *withdrawals* (298.8 mgd); however, 54 percent of the county's withdrawals were from surface water sources. Polk County had more groundwater *withdrawals* (189.2 mgd) than Hillsborough County (136.2 mgd). Appendix B, Table B-1 contains the data presented in this graph.

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

2020 ESTIMATED WATER USE REPORT

significant portion of water use. Districtwide average rainfall in 2020 was 50.9 inches, which was below the historic average of 52.8 inches. The month of March had a record low rainfall of 0.2 inches, however the rainy season that typically starts around May or June began early in April, and consistent rainfall occurred through the rest of the year.

Figure 20 illustrates the Districtwide groundwater and surface water withdrawals by predominant use category. This figure demonstrates that public supply is the largest use category. This year, public supply accounted for more groundwater use than agriculture use.

APPENDICES

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

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

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

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

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

Appendix D gives a ten-year history of the per capita use for public supply WUPs *permitted* for 100,000 gpd or more on an annual average basis. Table D-1 provides gross per capita values, and Table D-2 provides compliance per capita and a 5-year average.

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

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

2020 ESTIMATED WATER USE REPORT

Table 8a. Summary of 10 Years Metered Water Use Data, 2011 - 2020

Pumpage from Metered Withdrawal Points, 2011 to 2020, mgd annual average											
Use type	Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Public Supply		514.4	502.1	494.9	525.2	520.0	532.4	553.4	542.8	554.4	576.0
Landscape/Recreation		49.7	54.7	42.7	42.7	39.2	48.1	50.6	47.0	47.4	46.1
Agricultural		271.6	299.2	263.8	227.3	220.6	228.0	274.0	258.2	246.3	212.4
Mining/Dewatering		20.7	23.1	25.6	17.7	26.3	21.8	21.7	19.0	18.3	17.1
Industrial/Commercial		52.5	62.6	60.2	54.1	54.8	49.5	56.5	62.7	53.4	52.0
Institutional/Other Uses		NA	NA	NA	0.6	0.2	1.1	0.6	0.5	0.5	1.9
District Total ¹		908.9	941.6	887.3	867.7	861.1	880.9	956.7	930.2	920.3	905.6
Number of Metered Water Use Permits, 2011 to 2020											
Use type	Year	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Public Supply		205	200	195	191	186	181	176	175	177	170
Landscape/Recreation		299	305	299	312	310	330	331	333	328	324
Agricultural		1,182	1,200	1,210	1,367	1,461	1,500	1,556	1,576	1,550	1,517
Mining/Dewatering		17	14	11	14	16	16	13	15	16	15
Industrial/Commercial		80	87	85	88	91	89	90	91	90	84
Institutional/Other Uses		NA	NA	NA	2	4	6	6	8	12	15
District Total ²		1,783	1,806	1,800	1,974	2,068	2,122	2,172	2,198	2,173	2,125

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

² The number of permits in this table reflects 99 duplicate counts for permits that have more than one predominant use type. In 2020, there were 2,026 unique metered permits.

Table 8b. Annual Average Permitted Quantities, Metered and Unmetered WUPs, 2020

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	823.245	340	812.162	170	11.083	170
Landscape/Recreation	124.526	1,058	97.830	324	26.696	734
Agricultural	746.271	5,362	567.516	1,517	178.755	3,845
Mining/Dewatering	55.341	74	52.193	15	3.148	59
Industrial/Commercial	141.303	295	133.308	84	7.995	211
Institutional and Other Uses	14.200	41	11.599	15	2.601	26
District Total ¹	1,904.886	7,170	1,674.608	2,125	230.278	5,045

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

¹ The number of permits in this table reflects 99 duplicate counts of permits that have more than one use. The distinct count of WUPs evaluated for this report was 6,935 total; 2,026 metered; and 4,909 estimated.

2020 ESTIMATED WATER USE REPORT

Table 9. Total Metered + Estimated Water Withdrawal and Use (mgd) Quantities by Predominant Use Category, 2020

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	8.914	0.421	1.917	7.125	0.156	0.037	0.013	18.583	17.419	27.088
Citrus	14.783	4.248	3.296	1.653	0.044	1.813	0.008	25.845	14.613	25.675
DeSoto	35.071	0.763	0.167	47.643	0.006	0.687	0	84.337	1.467	50.733
Hardee ⁴	1.185	0.454	0.127	34.101	1.760	3.121	0.263	41.011	1.152	40.978
Hernando	20.840	3.415	3.274	1.652	0.016	3.318	0	32.515	20.574	32.249
Highlands	8.306	0.839	2.137	35.593	0.009	0.103	0.019	47.006	8.148	46.848
Hillsborough ^{4,5,6}	243.587	8.943	9.922	41.288	2.015	9.342	1.025	316.122	165.185	237.720
*Lake	0	0.095	0	0.867	0	0	0	0.962	0	0.962
*Levy	0.796	0.847	0.151	10.852	0	0.015	0.001	12.662	0.649	12.515
Manatee ⁴	50.187	0.740	9.907	40.786	3.912	0.369	0	105.901	45.265	100.979
*Marion	11.709	4.216	2.695	3.015	0.023	0.021	0.034	21.713	11.664	21.668
Pasco ⁵	48.595	6.074	4.266	5.650	0.063	1.165	0.480	66.293	49.150	66.848
Pinellas ⁵	25.538	0.315	3.413	0.017	0	0.144	0.001	29.428	90.236	94.126
*Polk ⁴	73.272	2.030	7.160	69.095	9.488	33.434	0.214	194.693	74.239	195.660
Sarasota	20.167	0.758	7.810	2.410	0.003	0.137	0.024	31.309	35.256	46.398
Sumter	25.497	5.945	3.057	6.103	0.092	0.745	0	41.439	25.254	41.196
Totals-	588.447	40.103	59.299	307.85	17.587	54.451	2.082	1,069.819	560.271	1,041.643
% of Withdrawal	55%	4%	6%	29%	2%	5%	0%	100%		
% of Use		4%	6%	30%	2%	5%	0%		54%	100.0%

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

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

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

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

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

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

⁶ Hillsborough County Public Supply Withdrawal/Use Quantities include 8.42 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.

2020 ESTIMATED WATER USE REPORT

Table 10. 2020 Total (metered + estimated) Permitted and Withdrawn Annual Average Quantities (mgd) for Regulated Water Resources

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Institutional	Total
Permitted Quantities							
*Charlotte	27.465	0.080	0.614	17.725	4.729	0.027	50.640
Citrus	3.513	6.469	0.138	18.258	4.355	0.015	32.748
Desoto	111.784	1.371	0.029	81.170	0.862	0	195.216
Hardee	78.070	4.638	6.392	1.752	0.160	0.426	91.438
Hernando	3.627	12.674	0.307	25.869	6.219	0	48.696
*Highlands	56.911	0.360	0.030	11.294	2.757	0.039	71.391
Hillsborough	100.800	26.134	0.409	343.723	19.667	9.878	500.611
*Lake	1.798	0	0	0	0	0	1.798
*Levy	23.076	1.608	0.123	1.077	0.253	0.003	26.140
Manatee	155.576	0.858	0.485	63.792	25.167	0	245.878
*Marion	14.570	0.040	0.126	12.267	5.000	0.071	32.074
Pasco	17.225	5.845	0.238	21.070	8.661	3.039	56.078
Pinellas	0.199	0.361	0	27.472	6.389	0.025	34.446
*Polk	116.526	77.433	45.812	117.242	13.611	0.517	371.141
Sarasota	18.270	0.262	0.010	52.807	18.067	0.160	89.576
Sumter	16.861	3.170	0.628	27.727	8.629	0	57.015
District	746.271	141.303	55.341	823.245	124.526	14.200	1,904.886
Withdrawn Quantities (from permitted sources)							
*Charlotte	7.125	0.037	0.156	8.914	1.917	0.013	18.162
Citrus	1.653	1.813	0.044	14.783	3.296	0.008	21.597
Desoto	47.643	0.687	0.006	35.071	0.167	0	83.574
Hardee	34.101	3.121	1.760	1.185	0.127	0.263	40.557
Hernando	1.652	3.318	0.016	20.840	3.274	0	29.100
*Highlands	35.593	0.103	0.009	8.306	2.137	0.019	46.167
Hillsborough	41.288	9.342	2.015	235.167	9.922	1.025	298.759
*Lake	0.867	0	0	0	0	0	0.867
*Levy	10.852	0.015	0	0.796	0.151	0.001	11.815
Manatee	40.786	0.369	3.912	50.187	9.907	0	105.161
*Marion	3.015	0.021	0.023	11.709	2.695	0.034	17.497
Pasco	5.650	1.165	0.063	48.595	4.266	0.480	60.219
Pinellas	0.017	0.144	0	25.538	3.413	0.001	29.113
*Polk	69.095	33.434	9.488	73.272	7.160	0.214	192.663
Sarasota	2.410	0.137	0.003	20.167	7.810	0.024	30.551
Sumter	6.103	0.745	0.092	25.497	3.057	0	35.494
District	307.850	54.451	17.587	580.027	59.299	2.082	1,021.296
% Withdrawn	41%	39%	32%	70%	48%	15%	54%

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

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

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

This table excludes the domestic self-supply estimate (40.103 mgd) and seawater desalination (8.420 mgd) because they are non-WUP sources; therefore, totals differ from Table 9.

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

Data source: Estimated Water Use Tables derived from the WMIS database, and 2020 PSARs.

2020 ESTIMATED WATER USE REPORT

Table 11. 2020 Permitted and Withdrawn Annual Average Quantities (mgd), Metered WUPs Only, for Regulated Water Resources

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Institutional	Total
Permitted Quantities, Metered WUPs Only							
*Charlotte	25.097	0	0.019	13.708	3.243	0	42.067
Citrus	0.497	5.611	0	17.813	3.571	0	27.492
Desoto	100.323	1.222	0	81.094	0.113	0	182.752
Hardee	53.322	4.546	6.392	1.685	0	0.424	66.369
Hernando	0	12.594	0	25.747	3.414	0	41.755
*Highlands	44.328	0	0	10.954	2.236	0	57.518
Hillsborough	83.232	24.777	0.192	342.970	15.064	7.768	474.003
*Lake	0.686	0	0	0	0	0	0.686
*Levy	12.782	0	0	1.077	0.012	0	13.871
Manatee	145.100	0.617	0.069	63.786	21.741	0	231.313
*Marion	5.569	0	0	12.023	3.650	0	21.242
Pasco	8.507	5.538	0.004	19.553	7.547	3.026	44.175
Pinellas	0.194	0.267	0	27.389	4.844	0.019	32.713
*Polk	66.218	75.943	45.418	114.160	9.755	0.253	311.747
Sarasota	16.722	0	0	52.680	14.323	0.109	83.834
Sumter	4.939	2.193	0.099	27.523	8.317	0	43.071
District	567.516	133.308	52.193	812.162	97.83	11.599	1,674.608
Withdrawn Quantities, Metered WUPs Only							
*Charlotte	6.439	0	0.011	8.880	1.348	0	16.678
Citrus	0.286	1.542	0	14.442	2.890	0	19.160
Desoto	41.092	0.606	0	35.018	0.037	0	76.753
Hardee	19.120	3.072	1.760	1.124	0.001	0.262	25.339
Hernando	0.000	3.278	0	20.740	2.080	0	26.098
*Highlands	27.565	0	0	8.143	1.741	0	37.449
Hillsborough	33.400	8.878	2.000	234.586	7.575	1.009	287.448
*Lake	0.347	0	0	0	0	0	0.347
*Levy	6.997	0	0	0.796	0.005	0	7.798
Manatee	36.932	0.242	3.911	50.182	8.222	0	99.489
*Marion	0.199	0	0	11.543	1.920	0	13.662
Pasco	0.710	1.088	0	47.398	3.559	0.474	53.229
Pinellas	0.015	0.093	0	25.474	2.422	0.001	28.005
*Polk	35.693	32.751	9.399	72.215	5.052	0.176	155.286
Sarasota	1.788	0	0	20.075	6.433	0	28.296
Sumter	1.850	0.436	0.014	25.383	2.868	0	30.551
District	212.433	51.986	17.095	575.999	46.153	1.922	905.588

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

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

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

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

Data source: Estimated Water Use Tables derived from the WMIS database, and 2020 PSARs.

2020 ESTIMATED WATER USE REPORT

**Table 12. 2020 Permitted and Estimated Withdrawn Annual Average Quantities (mgd),
Non-Metered (Estimated) WUPs only, for Regulated Water Resources**

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Other/ Institutional	Total
Permitted Quantities, Non-Metered WUPs							
*Charlotte	2.368	0.080	0.595	4.017	1.486	0.027	8.573
Citrus	3.016	0.858	0.138	0.445	0.784	0.015	5.256
Desoto	11.461	0.149	0.029	0.076	0.749	0	12.464
Hardee	24.748	0.092	0	0.067	0.160	0.002	25.069
Hernando	3.627	0.080	0.307	0.122	2.805	0	6.941
*Highlands	12.583	0.360	0.030	0.340	0.521	0.039	13.873
Hillsborough	17.568	1.357	0.217	0.753	4.603	2.110	26.608
*Lake	1.112	0	0	0	0	0	1.112
*Levy	10.294	1.608	0.123	0	0.241	0.003	12.269
Manatee	10.476	0.241	0.416	0.006	3.426	0	14.565
*Marion	9.001	0.040	0.126	0.244	1.350	0.071	10.832
Pasco	8.718	0.307	0.234	1.517	1.114	0.013	11.903
Pinellas	0.005	0.094	0	0.083	1.545	0.006	1.733
*Polk	50.308	1.490	0.394	3.082	3.856	0.264	59.394
Sarasota	1.548	0.262	0.010	0.127	3.744	0.051	5.742
Sumter	11.922	0.977	0.529	0.204	0.312	0	13.944
District	178.755	7.995	3.148	11.083	26.696	2.601	230.278
Withdrawn Quantities, Non-Metered WUPs							
*Charlotte	0.686	0.037	0.145	0.034	0.569	0.013	1.484
Citrus	1.367	0.271	0.044	0.341	0.406	0.008	2.437
Desoto	6.551	0.081	0.006	0.053	0.130	0	6.821
Hardee	14.981	0.049	0	0.061	0.126	0.001	15.218
Hernando	1.652	0.040	0.016	0.100	1.194	0	3.002
*Highlands	8.028	0.103	0.009	0.163	0.396	0.019	8.718
Hillsborough	7.888	0.464	0.015	0.581	2.347	0.016	11.311
*Lake	0.520	0	0	0	0	0	0.520
*Levy	3.855	0.015	0	0	0.146	0.001	4.017
Manatee	3.854	0.127	0.001	0.005	1.685	0	5.672
*Marion	2.816	0.021	0.023	0.166	0.775	0.034	3.835
Pasco	4.940	0.077	0.063	1.197	0.707	0.006	6.990
Pinellas	0.002	0.051	0	0.064	0.991	0	1.108
*Polk	33.402	0.683	0.089	1.057	2.108	0.038	37.377
Sarasota	0.622	0.137	0.003	0.092	1.377	0.024	2.255
Sumter	4.253	0.309	0.078	0.114	0.189	0	4.943
District	95.417	2.465	0.492	4.028	13.146	0.160	115.708

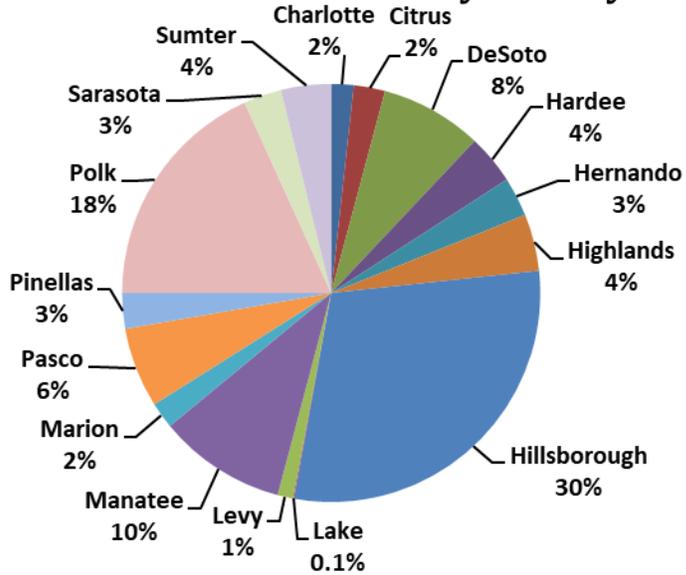
* Data is for only the portion of the county located within the District boundaries.
Rounding errors of less than 0.1 percent may exist when comparing to other tables.
Data source: Estimated Water Use Tables derived from the WMIS database.

2020 ESTIMATED WATER USE REPORT

Percentage Total Water Withdrawn by County

Total Withdrawals = 1,070 mgd

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



Percentage Total Water Used by County

Total Use = 1,042 mgd

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

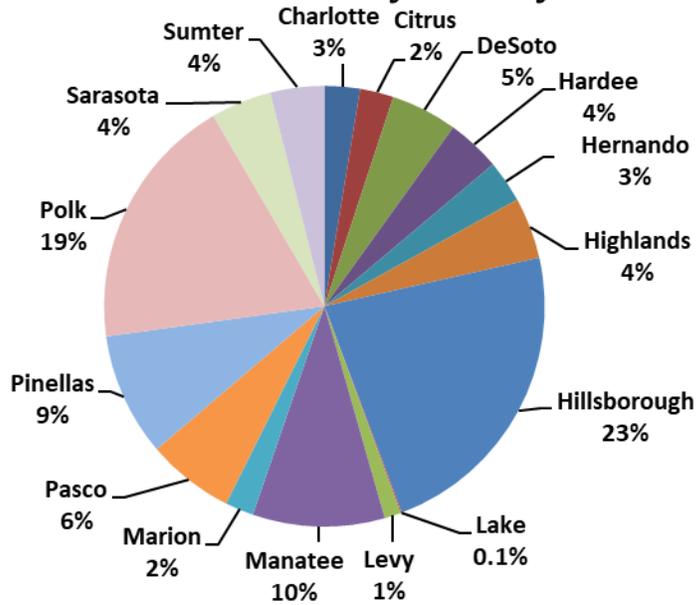


Figure 17. Percentages of Total Withdrawals and Total Use by County, 2020

(Data Source: Table 9)

2020 ESTIMATED WATER USE REPORT

Total Groundwater and Surface Water Withdrawals by County in 2020

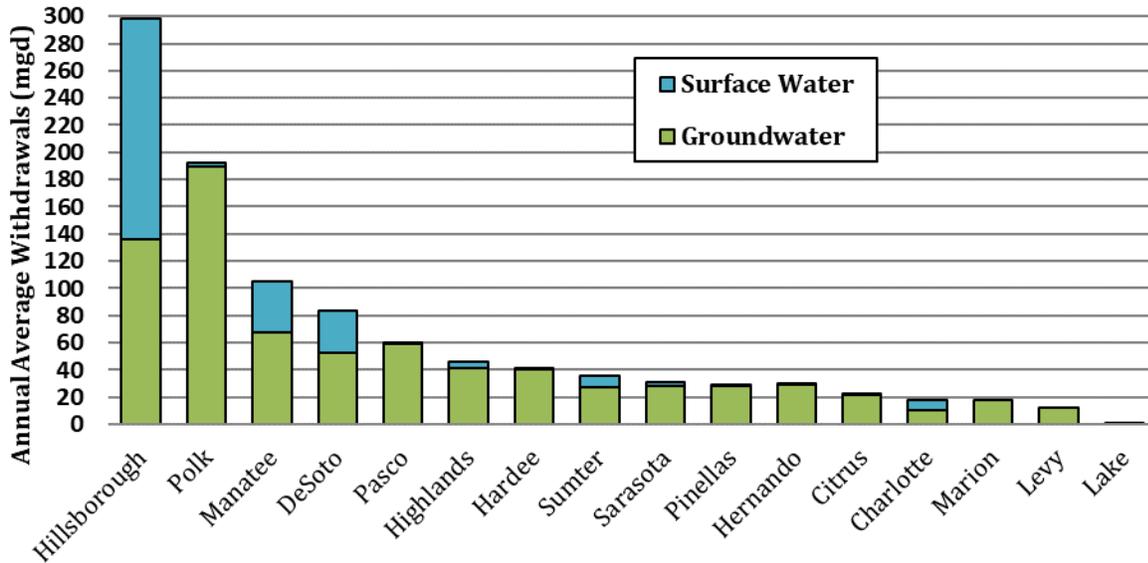


Figure 18. Total Groundwater and Surface Water Withdrawals by County, 2020
 (Data Source: Appendix B, Table B-1. The domestic self-supply category is excluded.)

Total Groundwater and Surface Water Withdrawals and Rainfall by Month

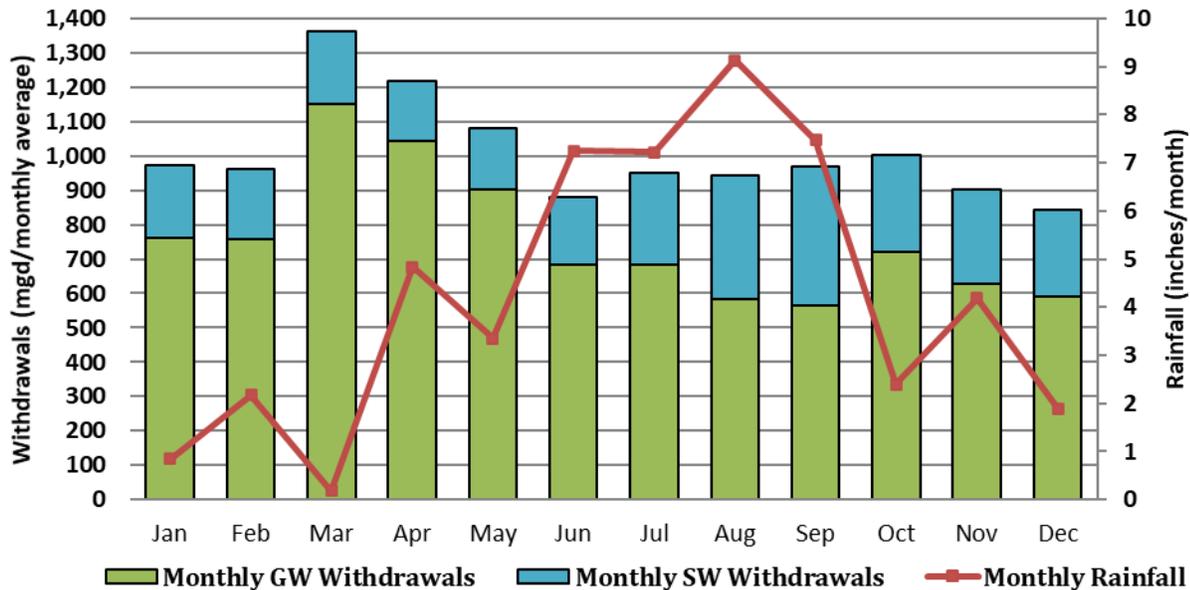


Figure 19. Total Groundwater and Surface Water Withdrawals by Month and Total Monthly Rainfall, 2020

(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.)

2020 ESTIMATED WATER USE REPORT

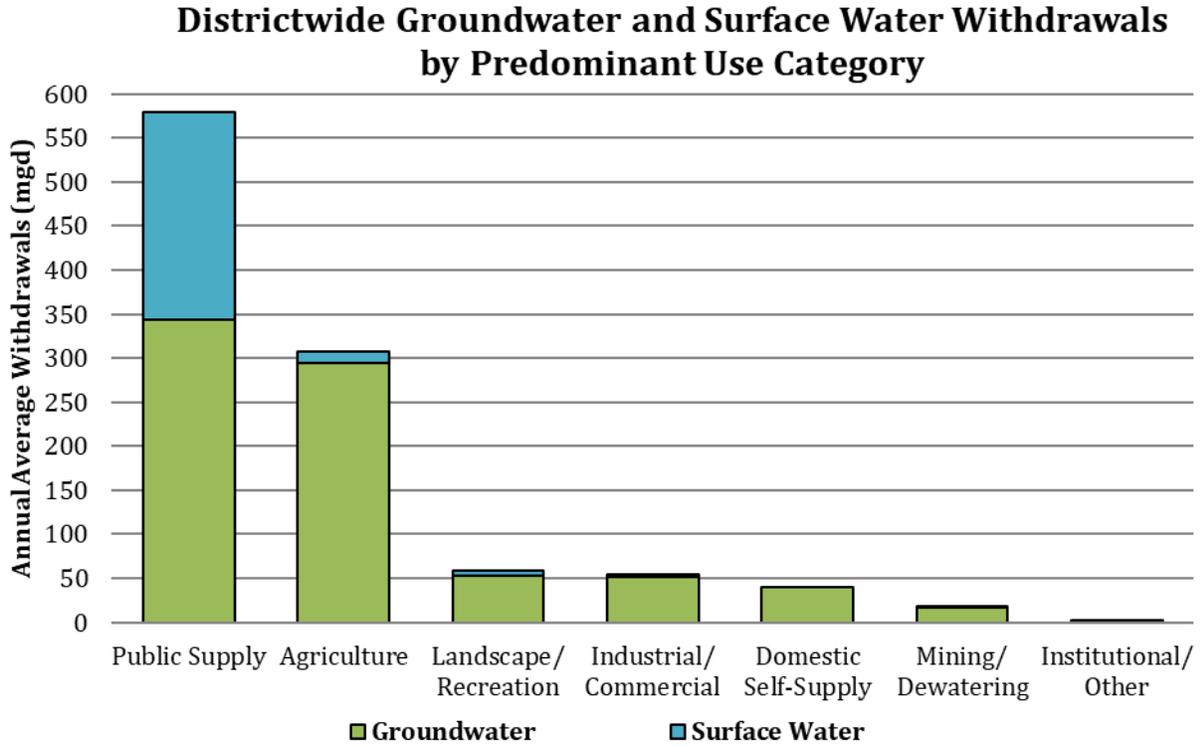


Figure 20. Total Groundwater and Surface Water Withdrawals by Predominant Use Category, 2020

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

2020 ESTIMATED WATER USE REPORT

APPENDIX A

SUMMARIES OF METERED WITHDRAWALS

PER USE CATEGORY

BY WATER USE PERMIT

2020 ESTIMATED WATER USE REPORT

IMPORTANT INFORMATION REGARDING TABLE A-1

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

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

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

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

Per Capita Rates:

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

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

2020 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2020 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2020 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Charlotte County																		
718	Gasparilla Island	1.538	1.392	Y	GW/RO	0.000	0.000	0.332	1.060	6,150	172	0.000	0.000	0.000	172	0.000	0.247	132
871	City of Punta Gorda	8.088	6.376	Y	SW	0.556	0.825	0.804	5.303	39,875	133	0.000	0.000	0.000	133	0.000	0.000	133
1512	Charlotte Harbor Water	0.91	0.524	Y	GW/RO	0.000	0.000	0.114	0.410	4,564	90	0.000	0.000	0.000	90	0.000	0.000	90
3522	Charlotte Co BOCC	3.172	0.589	Y	GW/RO	0.000	0.000	0.124	0.465	6,941	67	0.000	0.000	0.000	67	0.000	0.000	67
7104	Charlotte Co BOCC	Wholesale	0.000	Y	GW/SW	10.660	0.410	0.103	10.148	137,800	74	0.000	0.000	0.000	74	0.000	0.000	74
Charlotte County Totals			8.880			11.216	1.235	1.476	17.386	195,329	89	0.000	0.000	0.000	89	0.000	0.247	88
Citrus County																		
207	City of Crystal River	0.919	0.721	Y	GW	0.001	0.000	0.032	0.689	5,684	121	0.000	0.000	0.000	121	0.000	0.000	121
419	City of Inverness	1.535	1.119	Y	GW	0.000	0.000	0.004	1.115	9,185	121	0.000	0.000	0.000	121	0.000	0.000	121
1118	Floral City Water Assoc	0.395	0.332	Y	GW	0.000	0.000	0.007	0.324	5,190	62	0.000	0.000	0.000	62	0.000	0.000	62
2842	Citrus County	4.780	2.588	Y	GW	0.000	0.000	0.005	2.583	19,806	130	0.000	0.000	0.000	130	0.000	0.000	130
4153	Rolling Oaks Utilities Inc	1.573	1.587	Y	GW	0.000	0.000	0.036	1.551	11,548	134	0.000	0.000	0.000	134	0.000	0.000	134
4406	Homosassa Water Dist	0.960	0.853	Y	GW	0.000	0.045	0.011	0.797	5,802	137	0.000	0.000	0.000	137	0.000	0.000	137
6691	Gulf Highway Land Corp	0.288	0.065	Y	GW	0.000	0.000	0.000	0.065	585	111	0.000	0.000	0.000	111	0.000	0.000	111
7121	Citrus County & WRWSA	4.597	4.716	Y	GW	0.000	0.466	0.007	4.243	26,241	162	0.000	0.000	0.000	162	0.000	0.280	151
9097	Tarawood Utilities	0.150	0.011	Y	GW	0.000	0.000	0.001	0.010	158	61	0.000	0.000	0.000	61	0.000	0.000	61
9791	Citrus County	2.435	2.176	Y	GW	0.000	0.000	0.005	2.171	12,999	167	0.000	0.000	0.000	167	0.000	0.000	167
11839	GCP Walden Woods	0.188	0.175	Y	GW	0.000	0.000	0.000	0.175	1,021	171	0.000	0.000	0.000	171	0.000	0.000	171
20230	Ozello Water Assoc	Wholesale	0.000	Y	GW	0.451	0.000	0.002	0.449	4,754	94	0.000	0.000	0.000	94	0.000	0.000	94
Citrus County Totals			14.343			0.452	0.511	0.111	14.172	102,974	138	0.000	0.000	0.000	138	0.000	0.280	135
Desoto County																		
4725	City of Arcadia	1.093	0.773	Y	GW	0.078	0.000	0.023	0.828	11,868	70	0.000	0.000	0.000	70	0.000	0.000	70
10420	PRMRWSA ¹⁸	80.000	34.245	Y	SW/GW	0.000	32.014	2.120	0.111	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
20457	DeSoto County Utilities	Wholesale	0.000	Y	SW/GW	0.591	0.107	0.009	0.475	5,951	80	0.000	0.000	0.000	80	0.000	0.000	80
Desoto County Totals			35.018			0.669	32.121	2.152	1.414	17,819	79	0.000	0.000	0.000	79	0.000	0.000	79
Hardee County																		
30	City of Bowling Green	0.287	0.209	Y	GW	0.000	0.000	0.011	0.199	4,658	43	0.000	0.000	0.000	43	0.000	0.000	43
4461	City of Wauchula	0.782	0.637	Y	GW	0.000	0.000	0.012	0.625	6,490	96	0.000	0.000	0.000	96	0.000	0.000	96

2020 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2020 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2020 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
7658	Town of Zolfo Springs	0.175	0.140	Y	GW	0.000	0.000	0.004	0.136	2,499	54	0.000	0.000	0.000	54	0.000	0.000	54
13026	Hardee County BOCC	0.439	0.137	Y	GW	0.000	0.000	0.006	0.131	2,913	45	0.000	0.000	0.000	45	0.000	0.000	45
Hardee County Totals			1.124			0.000	0.000	0.033	1.090	16,560	66	0.000	0.000	0.000	66	0.000	0.000	66
Hernando County																		
5789	Hernando Co Utilities	23.299	19.452	Y	GW	0.000	0.000	0.263	19.189	149,003	129	0.000	0.000	0.000	129	0.000	0.000	129
7627	City of Brooksville	2.448	1.288	Y	GW	0.000	0.000	0.003	1.285	18,308	70	0.000	0.000	0.000	70	0.000	0.000	70
Hernando County Totals			20.740			0.000	0.000	0.266	20.474	167,311	122	0.000	0.000	0.000	122	0.000	0.000	122
Highlands County																		
4167	HC Waterworks	0.155	0.115	Y	GW	0.000	0.000	0.002	0.113	1,382	82	0.000	0.000	0.000	82	0.000	0.000	82
4492	City of Sebring	5.811	3.953	Y	GW	0.000	0.000	0.040	3.914	33,923	115	0.000	0.000	0.000	115	0.000	0.000	115
4980	Lake Placid Holding	0.406	0.327	Y	GW	0.000	0.000	0.003	0.324	4,537	71	0.000	0.000	0.000	71	0.000	0.000	71
5270	Town of Lake Placid	0.807	0.682	Y	GW	0.000	0.000	0.005	0.678	7,395	92	0.000	0.000	0.000	92	0.000	0.000	92
6029	City of Avon Park	2.372	2.120	Y	GW	0.000	0.000	0.069	2.051	22,645	91	0.000	0.000	0.000	91	0.000	0.000	91
7139	Buttonwood Bay Util	0.203	0.193	Y	GW	0.000	0.000	0.002	0.191	1,631	117	0.000	0.000	0.000	117	0.000	0.000	117
13099	Sun N Lake of Sebring	1.104	0.716	Y	GW	0.000	0.000	0.037	0.679	7,724	88	0.000	0.000	0.000	88	0.000	0.000	88
Highlands County Totals			8.107			0.000	0.000	0.158	7.949	79,237	100	0.000	0.000	0.000	100	0.000	0.000	100
Hillsborough County																		
450	City of Temple Terrace	5.150	4.199	Y	GW	0.000	0.000	0.400	3.799	31,341	121	0.000	0.000	0.000	121	0.000	0.000	121
1776	City of Plant City ²⁰	9.852	6.154	Y	GW	0.060	0.075	0.068	6.071	41,747	145	1.151	0.000	0.000	118	0.000	0.167	114
2062	City of Tampa Water Dept ²⁰	82.000	79.357	Y	SW	1.621	1.647	4.798	74.534	719,482	104	0.000	0.000	0.000	104	0.000	2.474	100
2285	Davpam Mobile Home Assoc. LLC	0.154	0.151	Y	GW	0.000	0.000	0.000	0.151	1,277	118	0.000	0.000	0.000	118	0.000	0.000	118
4352	TBW SC Hillsborough Wellfield ¹⁸	24.100	23.220	NA	GW	0.000	23.220	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
6879	MHC The Meadows at Countrywood	0.236	0.182	Y	GW	0.000	0.000	0.000	0.182	2,416	75	0.000	0.000	0.000	75	0.000	0.000	75
7637	Riverside Golf Course Comm LLC	0.222	0.544	Y	SW/GW	0.000	0.000	0.005	0.538	1,258	428	0.000	0.217	0.000	255	0.160	0.000	129
7790	Paradise Village MHC	0.128	0.127	Y	GW	0.000	0.000	0.001	0.125	2,187	57	0.000	0.000	0.000	57	0.000	0.000	57
10443	Windemere Utility Company	0.317	0.272	Y	GW	0.000	0.000	0.002	0.269	2,776	97	0.000	0.000	0.000	97	0.000	0.000	97
11732	TBW Brandon Urban Wellfield ¹⁷	6.000	5.900	NA	GW	0.000	5.900	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA

2020 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2020 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2020 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
11771	TBW Consolidated Wellfield (Hillsborough Portion) ¹⁷	90.000	38.284	NA	GW	0.000	38.284	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
11794	TBW Alafia River Withdrawal ¹⁸	18.700	15.333	NA	SW	0.000	15.333	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
11796	TBW Bypass Canal Withdrawal ¹⁸	85.000	55.094	NA	SW	0.000	55.094	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
NA	TBW Seawater Desalination ¹⁹	NA	8.420	NA	SEA	0.000	8.420	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
20141	Hillsborough County BOCC	Wholesale	0.000	Y	SW/GW	73.425	0.000	0.734	72.691	670,579	108	0.000	0.000	0.000	108	0.000	0.000	108
Hillsborough County Totals			237.236			75.107	147.973	6.009	158.362	1,473,063	108	1.151	0.217	0.000	107	0.160	2.641	105
Lake County																		
There were no Public Supply Permittees in the SWFWMD Portion of Lake County																		
Levy County																		
5640	City of Williston	0.827	0.543	Y	GW	0.000	0.000	0.089	0.454	3,319	137	0.000	0.000	0.000	137	0.000	0.000	137
8953	Town of Inglis	0.151	0.166	Y	GW	0.000	0.000	0.058	0.108	1,665	65	0.000	0.000	0.000	65	0.000	0.000	65
Levy County Totals			0.709			0.000	0.000	0.147	0.562	4,984	113	0.000	0.000	0.000	113	0.000	0.000	113
Manatee County																		
6392	City of Bradenton	6.950	6.198	Y	SW	0.215	0.011	0.276	6.125	75,466	81	0.000	0.000	0.000	81	0.000	0.000	81
10963	Town of Longboat Key	Wholesale	0.000	Y	SW	1.924	0.000	0.049	1.875	19,000	99	0.000	0.000	0.000	99	0.000	0.000	99
12443	City of Palmetto	Wholesale	0.000	Y	SW/GW	1.482	0.009	0.015	1.458	18,849	77	0.000	0.000	0.000	77	0.000	0.000	77
13343, 7345	Manatee County BOCC ¹⁸	54,836, 1.96	43.976	Y	SW/GW	1.655	7.778	2.060	35.794	378,390	95	2.288	0.000	0.000	89	0.000	3.350	80
Manatee County Totals			50.174			5.276	7.798	2.400	45.252	491,705	92	2.288	0.000	0.000	87	0.000	3.350	81
Marion County																		
1156	Bay Laurel CDD	2.555	3.581	Y	GW	0.000	0.000	0.043	3.538	14,910	237	0.000	0.000	0.000	237	0.000	0.420	209
2999	Marion Utilities Inc	0.126	0.100	Y	GW	0.000	0.000	0.000	0.099	1,128	88	0.000	0.000	0.000	88	0.000	0.000	88
5643	Utilities Inc of Florida	0.188	0.146	Y	GW	0.000	0.000	0.001	0.145	1,000	145	0.000	0.000	0.000	145	0.000	0.000	145
6151	Marion Co Utilities Dept	6.661	5.319	Y	GW	0.000	0.000	0.000	5.319	40,831	130	0.000	0.000	0.000	130	0.000	0.000	130
7849	Marion Utilities Inc	0.149	0.128	Y	GW	0.000	0.000	0.000	0.128	1,087	118	0.000	0.000	0.000	118	0.000	0.000	118
8020	Marion Landing	0.179	0.138	Y	GW	0.000	0.000	0.000	0.138	1,127	122	0.000	0.000	0.000	122	0.000	0.000	122
8339	City of Dunnellon	1.117	1.116	Y	GW	0.000	0.000	0.000	1.116	6,083	184	0.000	0.000	0.000	184	0.000	0.000	184
8481	Spruce Creek Dev.	0.834	0.794	Y	GW	0.000	0.000	0.001	0.793	7,077	112	0.000	0.000	0.000	112	0.000	0.000	112
Marion County Totals			11.322			0.000	0.000	0.045	11.277	73,241	154	0.000	0.000	0.000	154	0.000	0.420	148

2020 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2020 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2020 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Pasco County																		
279	Aqua Utilities Fl Inc	0.319	0.303	Y	GW	0.000	0.000	0.002	0.301	3,703	81	0.000	0.000	0.000	81	0.000	0.000	81
590	Mad Hatter Utility Inc	1.000	0.834	Y	GW	0.000	0.000	0.003	0.831	8,366	99	0.000	0.000	0.000	99	0.000	0.000	99
1631	City of Dade City	1.971	1.439	Y	GW	0.000	0.000	0.014	1.425	12,814	111	0.000	0.000	0.000	111	0.000	0.000	111
2978	Fl. Gov. Utility Authority	0.870	0.694	Y	GW	0.013	0.000	0.013	0.694	5,444	127	0.000	0.000	0.000	127	0.000	0.000	127
3182	FGUA Seven Springs	2.289	2.217	Y	GW	0.390	0.000	0.075	2.532	31,042	82	0.000	0.000	0.000	82	0.000	0.000	82
3590	Utilities Inc of FL	0.260	0.255	Y	GW	0.000	0.000	0.000	0.255	3,760	68	0.000	0.000	0.000	68	0.000	0.000	68
3692	City Of Port Richey	1.050	0.709	Y	GW	0.028	0.000	0.032	0.705	7,732	91	0.000	0.000	0.000	91	0.000	0.000	91
4550	City Of San Antonio	0.207	0.142	Y	GW	0.000	0.000	0.000	0.142	2,455	58	0.000	0.000	0.000	58	0.000	0.000	58
4669	Hudson Water Works Inc	0.691	0.655	Y	GW	0.000	0.000	0.007	0.648	7,277	89	0.000	0.000	0.000	89	0.000	0.000	89
4734	City of New Port Richey	0.490	0.437	Y	GW	5.003	2.019	0.085	3.336	32,783	102	0.000	0.000	0.000	102	0.000	0.000	102
6040	City of Zephyrhills	3.308	2.383	Y	GW	0.000	0.019	0.034	2.330	28,584	82	0.000	0.000	0.000	82	0.000	0.000	82
7999	FGUA Angus Valley	0.145	0.137	Y	GW	0.000	0.000	0.001	0.136	2,026	67	0.000	0.000	0.000	67	0.000	0.000	67
8417	FGUA Aloha Gardens	0.123	0.114	Y	GW	0.279	0.000	0.002	0.391	7,966	49	0.000	0.000	0.000	49	0.000	0.000	49
11771	TBW Consolidated Wellfield (Pasco Portion) ¹⁸	See Hills.	34.835	NA	GW	0.000	34.835	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
11863	Pasco Co Utilities	6.286	1.998	Y	GW	33.153	0.993	0.177	33.980	310,502	109	0.000	0.000	0.000	109	0.000	0.000	109
Pasco County Totals			47.151			38.866	37.866	0.445	47.707	464,456	103	0.000	0.000	0.000	103	0.000	0.000	103
Pinellas County																		
742	City of Tarpon Springs ²¹	4.200	3.690	Y	GW/RO	0.004	0.047	1.010	2.638	28,834	91	0.000	0.000	0.000	91	0.000	0.000	91
2980	City of Dunedin	5.243	4.810	Y	GW/RO	0.000	0.000	1.077	3.733	46,161	81	0.000	0.000	0.000	81	0.000	0.000	81
2981	City of Clearwater ²⁰	14.300	7.374	Y	GW/RO	4.334	0.000	1.067	10.640	147,007	72	0.000	0.000	0.000	72	0.000	0.000	72
7692	Town of Belleair	0.886	0.853	Y	GW	0.002	0.000	0.040	0.816	5,979	136	0.000	0.000	0.000	136	0.000	0.184	106
10795	City of Gulfport	Wholesale	0.000	Y	GW	0.898	0.000	0.000	0.898	15,225	59	0.000	0.000	0.000	59	0.000	0.000	59
11218	City of Oldsmar	2.606	1.843	Y	GW/RO	0.001	0.000	0.449	1.396	17,438	80	0.000	0.000	0.000	80	0.000	0.000	80
11245	City of Safety Harbor	Wholesale	0.000	Y	GW	1.080	0.000	0.000	1.080	15,126	71	0.000	0.000	0.000	71	0.000	0.000	71
11771	TBW Consolidated Wellfield (Pinellas Portion) ¹⁸	See Hills.	6.865	NA	SW/GW	0.000	6.865	0.000	0.000	NA	NA	0.000	0.000	0.000	NA	0.000	0.000	NA
12351	City Of Pinellas Park	Wholesale	0.000	Y	GW	4.859	0.000	0.000	4.859	64,740	75	0.000	0.000	0.000	75	0.000	0.000	75
20142	Pinellas County	Wholesale	0.000	Y	GW	49.361	10.193	0.427	38.741	509,137	76	0.000	0.000	0.000	76	0.000	0.000	76
20143	City of St Petersburg	Wholesale	0.000	Y	GW	26.502	0.898	0.270	25.334	353,553	72	0.000	0.000	0.000	72	0.000	0.000	72

2020 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2020 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2020 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Pinellas County Totals			25.435			87.042	18.003	4.341	90.134	1,203,200	75	0.000	0.000	0.000	75	0.000	0.184	75
Polk County																		
341	City of Bartow	7.900	3.131	Y	GW	0.000	0.000	0.284	2.847	26,298	108	0.000	0.000	0.000	108	0.000	2.260	22
645	City of Fort Meade	0.760	0.563	Y	GW	0.000	0.000	0.000	0.563	5,331	106	0.000	0.000	0.000	106	0.000	0.501	12
1625	Four Lakes Golf Club	0.391	0.368	Y	GW	0.000	0.000	0.004	0.364	1,448	251	0.000	0.147	0.000	150	0.014	0.000	140
2332	Town of Lake Hamilton	0.381	0.297	Y	GW	0.000	0.000	0.003	0.294	1,893	155	0.017	0.000	0.000	146	0.000	0.000	146
4005	Crooked Lake Park	0.302	0.261	Y	GW	0.000	0.000	0.018	0.243	2,605	93	0.000	0.000	0.000	93	0.000	0.000	93
4607	City of Winter Haven	14.060	10.139	Y	GW	0.000	0.000	0.100	10.039	86,817	116	0.000	0.000	0.000	116	0.000	0.000	116
4658	City of Lake Wales	3.903	2.711	Y	GW	0.000	0.000	0.027	2.684	22,591	119	0.000	0.000	0.000	119	0.000	0.000	119
4912	City of Lakeland ²⁰	35.030	22.635	Y	GW	0.000	0.334	0.038	22.263	184,612	121	0.000	0.000	0.000	121	0.000	8.159	76
5251	Grenelefe Resort LLC	0.963	0.934	Y	GW	0.000	0.000	0.002	0.933	2,714	344	0.000	0.263	0.000	247	0.000	0.000	247
5750	City of Davenport	2.164	1.800	Y	GW	0.000	0.000	0.000	1.800	11,393	158	0.000	0.000	0.000	158	0.000	0.000	158
5868	Rainbow Resort	0.137	0.108	Y	GW	0.000	0.000	0.001	0.107	989	109	0.000	0.000	0.000	109	0.000	0.000	109
5870	City of Frostproof	0.870	0.339	Y	GW	0.000	0.000	0.003	0.335	3,688	91	0.061	0.000	0.000	74	0.000	0.000	74
5893	Town of Dundee	0.918	0.781	Y	GW	0.000	0.000	0.008	0.773	6,313	122	0.000	0.000	0.000	122	0.000	0.000	122
6124	City of Mulberry	0.807	0.410	Y	GW	0.000	0.000	0.006	0.403	4,803	84	0.000	0.000	0.000	84	0.000	0.000	84
6174	Saddlebag Lake	0.117	0.097	Y	GW	0.000	0.000	0.000	0.097	1,332	73	0.000	0.000	0.000	73	0.000	0.000	73
6505	Polk Co BOCC NWRUSA	5.700	2.745	Y	GW	0.157	0.000	0.029	2.872	33,340	86	0.000	0.000	0.000	86	0.000	0.000	86
6506	Polk Co BOCC SWRUSA	7.000	3.544	Y	GW	0.049	0.049	0.049	3.495	45,113	77	0.000	0.000	0.000	77	0.000	0.000	77
6507	Polk Co BOCC CRUSA	2.003	1.201	Y	GW	0.000	0.000	0.016	1.186	14,660	81	0.000	0.000	0.000	81	0.000	0.000	81
6508	Polk Co BOCC SERUSA	1.367	0.640	Y	GW	0.000	0.000	0.010	0.631	5,072	124	0.000	0.000	0.000	124	0.000	0.000	124
6509	Polk Co BOCC NERUSA	10.919	6.518	Y	GW	1.829	0.146	0.020	8.182	90,983	90	0.000	0.000	0.000	90	0.000	0.000	90
6624	City of Lake Alfred	1.303	0.883	Y	GW	0.000	0.000	0.000	0.883	8,597	103	0.000	0.000	0.000	103	0.000	0.000	103
6920	City of Eagle Lake	0.662	0.469	Y	GW	0.000	0.000	0.018	0.451	4,535	100	0.000	0.000	0.000	100	0.000	0.000	100
7119	City of Auburndale	7.036	5.386	Y	GW	0.000	0.000	0.000	5.386	31,923	169	0.995	0.000	0.000	138	0.000	0.341	127
7187	CHC VII Ltd Century Realty Fund	0.284	0.215	Y	GW	0.000	0.000	0.002	0.213	1,482	144	0.000	0.072	0.000	95	0.000	0.000	95
7328	Carefree Rv Cc of Winter Haven Inc	0.131	0.109	Y	GW	0.000	0.000	0.000	0.109	980	111	0.000	0.043	0.000	67	0.000	0.000	67
7878	Aqua Utilities Fl Inc	0.243	0.137	Y	GW	0.000	0.000	0.001	0.136	2,253	60	0.000	0.000	0.000	60	0.000	0.000	60
8054	Polk Co BOCC ERUSA	1.373	0.500	Y	GW	0.000	0.000	0.008	0.491	6,651	74	0.000	0.000	0.000	74	0.000	0.000	74

2020 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2020 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2020 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
8344	S V Utilities Ltd	0.212	0.128	Y	GW	0.000	0.000	0.001	0.127	1,379	92	0.000	0.000	0.000	92	0.000	0.000	92
8468	City of Polk City	0.761	0.409	Y	GW	0.000	0.000	0.029	0.380	7,616	50	0.000	0.000	0.000	50	0.000	0.000	50
8522	City of Haines City	5.921	5.031	Y	GW	0.000	0.000	0.005	5.025	39,694	127	0.202	0.000	0.000	121	0.000	0.298	114
8967	Sweetwater Community Inc.	0.141	0.112	Y	GW	0.000	0.000	0.000	0.112	698	161	0.000	0.038	0.000	106	0.000	0.000	106
10141	Polk Co BOCC Jordans Grove	0.257	0.000	Y	GW	0.020	0.000	0.000	0.020	653	31	0.000	0.000	0.000	31	0.000	0.000	31
12800	Jordan's Grove, LLC	0.158	0.000	Y	GW	0.125	0.000	0.000	0.125	1,152	109	0.000	0.000	0.000	109	0.000	0.000	109
13043	Cypress Lakes Utilities Inc.	0.294	0.242	Y	GW	0.000	0.000	0.002	0.240	3,005	80	0.000	0.000	0.000	80	0.000	0.085	52
Polk County Totals			72.844			2.182	0.529	0.686	73.811	662,612	111	1.276	0.564	0.000	109	0.014	11.643	91
Sarasota County																		
2923	City of North Port	7.100	1.869	Y	SW/GW/RO	1.866	0.158	0.311	3.266	56,769	58	0.000	0.000	0.000	58	0.000	0.000	58
4318	City of Sarasota	6,000, 0.043	8.164	Y	GW/RO	0.000	0.000	1.708	6.456	85,512	75	0.000	0.000	0.000	75	0.000	0.000	75
4866	Englewood Water District	5.360	4.280	Y	GW/RO	0.000	0.130	1.121	3.028	38,271	79	0.000	0.000	0.000	79	0.000	0.000	79
5393	City of Venice	6.864	4.804	Y	GW/RO	0.000	0.000	2.351	2.453	37,172	66	0.000	0.000	0.000	66	0.000	0.000	66
5807	Camelot Communities	0.362	0.359	Y	GW/RO	0.000	0.000	0.000	0.359	1,829	196	0.000	0.000	0.000	196	0.202	0.000	86
7448	SNF Property (Sun-in-Fun)	0.186	0.115	Y	GW/RO	0.000	0.000	0.010	0.105	1,339	78	0.000	0.000	0.000	78	0.000	0.000	78
8836	Sarasota County BOCC	13.737	0.692	Y	GW/RO	19.944	0.857	0.073	19.705	244,663	81	0.000	0.000	0.000	81	0.000	0.000	81
Sarasota County Total			20.283			21.810	1.146	5.575	35.372	465,555	76	0.000	0.000	0.000	76	0.202	0.000	76
Sumter County																		
1368	Lake Panasoffkee Assoc	0.410	0.282	Y	GW	0.000	0.000	0.000	0.282	4,520	62	0.000	0.000	0.000	62	0.000	0.000	62
6519	City Of Bushnell	1.367	0.441	Y	GW	0.000	0.000	0.004	0.436	3,892	112	0.000	0.000	0.000	112	0.000	0.000	112
7185	City Of Webster	0.103	0.084	Y	GW	0.000	0.000	0.001	0.083	823	100	0.000	0.000	0.000	100	0.000	0.000	100
8135	City Of Wildwood	4.345	2.259	Y	GW	0.116	0.000	0.024	2.352	17,867	132	0.000	0.000	0.000	132	0.000	0.000	132
8193	City Of Center Hill	0.171	0.070	Y	GW	0.000	0.000	0.001	0.070	1,173	59	0.000	0.000	0.000	59	0.000	0.000	59
12584	Orange Blossom Utilities	0.136	0.039	Y	GW	0.000	0.000	0.001	0.038	204	185	0.000	0.000	0.000	185	0.000	0.000	185
13005	The Villages CDD ²²	19.346	22.210	Y	GW/SW	0.000	0.000	0.205	22.005	91,920	239	0.233	1.347	0.000	222	8.241	2.314	107
20597	City of Wildwood - CCC	0.238	0.147	Y	GW	0.000	0.000	0.000	0.147	1,595	92	0.000	0.000	0.000	92	0.000	0.000	92
20721	South Sumter Utility Co.	2.600	0.665	Y	GW	0.000	0.117	0.005	0.543	8,064	67	0.000	0.000	0.000	67	0.000	0.000	67

2020 ESTIMATED WATER USE REPORT

TABLE A-1, Part 1. 2020 Public Supply Annual Report (PSAR) Water Use Data

Water Use Permit	Permittee Name	(1) Permit Quantity AA (mgd)	(2) 2020 Withdrawal	(3) PSAR Rec. Y/N	(4) Water Source	(5) Imports (mgd)	(6) Exports (mgd)	(7) Treatment Loss (mgd)	(8) Gross Water Use (mgd)	(9) Functional Population Served	(10) Gross Per Capita (gpcd)	(11) Sig. Use Deduct. (mgd)	(12) Golf Course Deduct. (mgd)	(13) Environ. Mitigation Deduct. (mgd)	(14) Adjusted Gross Per Capita (mgd)	(15) Storm Water Deduct. (mgd)	(16) Reclaim Water Deduct. (mgd)	(17) Compliance Per Capita (gpcd)
Sumter County Total			26.196			0.116	0.117	0.242	25.954	130,057	200	0.233	1.347	0.000	187	8.241	2.314	106
Northern Planning Region			73.310			0.568	0.627	0.811	72.439	478,568	151	0.233	1.347	0.000	148	8.241	3.014	125
Tampa Bay Planning Region			309.822			201.016	203.841	10.795	296.202	3,140,719	94	1.151	0.217	0.000	94	0.160	2.825	93
Southern Planning Region			114.355			38.971	42.299	11.603	99.424	1,170,408	85	2.288	0.000	0.000	83	0.202	3.597	80
Heartland Planning Region			82.075			2.182	0.529	0.877	82.850	758,408	109	1.276	0.564	0.000	107	0.014	11.643	91
District Totals ²⁰			579.562			242.737	247.297	24.087	550.915	5,548,103	99	4.949	2.128	0.000	98	8.616	21.080	93

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	130	Unadjusted Gross PC ≤ 150:	113	Adjusted Gross PC ≤ 150:	117	Compliance PC ≤ 150:	121
PSAR Not Received	0	Unadjusted Gross PC > 150:	16	Adjusted Gross PC > 150:	12	Compliance PC > 150:	8
PSAR Not Applicable	8	Total	129	Total	129	Total	129
Wholesale WUPS with PSAR	11						

Notes:

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

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

mgd: million gallons per day

- 1 The permitted quantity that the WUP is allowed to withdrawal on an annual average basis.
- 2 The annual average withdrawals reported by utility or water supply authority.
- 3 Signifies if a PSAR was received by the District. If a PSAR was required but not received, "N" is noted in this column and the District's data and demographics were used.
- 4 GW = Groundwater, SW = Surface Water, RO = Brackish groundwater treated by desalination, SEA = Seawater treated by desalination
- 5 IMPORT = Water purchased or transferred in bulk from another utility or water supply authority.
- 6 EXPORT = Water sold or transferred in bulk to another utility or water supply authority.
- 7 TREATMENT LOSS = Annual average gallons per day which are lost in routine treatment for potability. This includes, but is not limited to, desalination reject water, sand filtration backwash, and quantities used to maintain appropriate water quality in pipelines or tanks. Treatment losses are calculated as raw water into the plant minus treated water out of the plant. This should not include more than 1 percent of treated water volume delivered to the distribution system for flushing distribution lines for potability.
- 8 GROSS USE = (Withdrawal + Import) - (Export + Treatment Loss) +/- (storage, not quantified in table, in ASR or offstream reservoirs). The Gross Use is the water distributed to utility customers.
- 9 POPULATION SERVED = permanent population + adjusted seasonal population + tourist (optional) + net commuters (optional). Information on functional population methodology is available in the District's Water Use Permit Information Manual, Part D: http://www.swfwmd.state.fl.us/files/database/site_file_sets/14/wup_part_d.pdf.
- 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.

2020 ESTIMATED WATER USE REPORT

- 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 Supplier. The Tampa Bay Water consolidated wellfield (WUP 11771) total withdrawn quantity (79.985 mgd) is divided among the three counties from which the withdrawals occurred (Hillsborough, Pasco and Pinellas counties).
- 19 The quantity shown for the Tampa Bay Water Seawater Desalination Facility is only the quantity exported to the regional distribution system for use. While on standby, the seawater facility may also send an unknown quantity of partially treated effluent to the Bill Young reservoir. The seawater quantity is omitted from other tables that specify the regulated groundwater or fresh surface water withdrawals from natural resources. Seawater use is not regulated by the District.
- 20 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 0.526 mgd, or 14% of the City's withdrawal total. No adjustment was applied to this table or table 1 in the report.
- 21 The District gross use total is the sum of the individual WUP gross withdrawals. Note that the total public supply withdrawal does not match some county and Districtwide totals reported in table due to two adjustments:
- The PSAR reported withdrawal totals for some resorts with multi-use permit quantities contain water that was categorized as landscape/recreation or industrial/commercial in the EWU Report. To avoid double-counting with other use types, the EWU Report table 1 contains deductions to the countywide public supply withdrawals. The WUPs that included the other uses in their PSAR total withdrawal were 207, 419, 1625, 4658, 5251, 5807, 7187, 7328, 7448, 8193, 8967, and 13005.
 - The City of Lakeland (WUP 4912) and the City of Tampa (WUP 2062) calculated "water year" (Oct-Sept) data on their PSARs. Table A-1 retains their reported data, but WMIS-based calendar year data was substituted for EWU Report table 1. Their calendar year withdrawals were 22.417 mgd at Lakeland and 78.885 at Tampa.
- 22 The Villages CDD withdrawal quantity shown (22.210 mgd) includes surface water withdrawals from stormwater ponds, an alternative supply which was reported for the PSAR to balance their gross use and water losses. The permitted quantity shown (19.346 mgd) is their groundwater allocation. The Villages CDD annual average groundwater withdrawal was 12.162 mgd and was within their permitted quantity.

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.

2020 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, 2020

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Withdrawal ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to Public Supply ⁴
Charlotte	10726	JDI Farms	P100	G	0.000	0.402	0.001
Charlotte	10726	JDI Farms	P100	S	0.000	0.402	0.001
Charlotte County Totals					0	Metered, Non-PSAR, mgd	
					0.034	Estimated, mgd, 3 WUPs	
					0.034	Total, mgd	
Citrus	729	Citrus County Water Resources	P130	G	0.067	0.088	0.088
Citrus	1345	Royal Oaks of Citrus HOA Inc	P130	G	0.054	0.085	0.085
Citrus County Totals					0.121	Metered, Non-PSAR, mgd	
					0.341	Estimated, mgd, 13 WUPs	
					0.462	Total, mgd	
DeSoto	8935	V C Hollingsworth Sr. Estate	P100	G	0	0.131	0.001
DeSoto County Totals					0	Metered, Non-PSAR, mgd	
					0.053	Estimated, mgd, 3 WUPs	
					0.053	Total, mgd	
Hardee	1912	V & W Farms Inc of Delray Beach	P135	G	0	1.298	0.002
Hardee County Totals					0	Metered, Non-PSAR, mgd	
					0.061	Estimated, mgd, 4 WUPs	
					0.061	Total, mgd	
Hernando County Totals					0	Metered, Non-PSAR, mgd	
There were no Non-PSAR Metered WUPS in Hernando County					0.100	Estimated, mgd, 5 WUPs	
					0.100	Total, mgd	
Highlands	9490	LP Waterworks, Inc	P130	G	0.036	0.096	0.096
Highlands County Totals					0.036	Metered, Non-PSAR, mgd	
					0.163	Estimated, mgd, 10 WUPs	
					0.199	Total, mgd	
Hillsborough	689	School Board of Hillsborough Co	P100	G	0.015	0.150	0.083
Hillsborough	4421	Jack P, Meribeth Sizemore	P100	G	0.001	0.613	0.002

2020 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, 2020

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	4757	Wilder Corporation	P131	G	0.043	0.065	0.065
Hillsborough	5886	Tampa Bay Water	P105	G	0.063	0.820	0.820
Hillsborough	6480	Betty Astin	P135	G	0.005	0.164	0.008
Hillsborough	6675	Tampa Bay Water	P105	S	6.088	20.000	20.000
Hillsborough	7405	Mathis Land Group	P100	G	0.001	0.056	0.003
Hillsborough	7405	Mathis Land Group	P100	S	0.000	0.056	0.003
Hillsborough	8342	Loop Farms, LLC	P100	G	0.002	0.498	0.009
Hillsborough	8342	Loop Farms, LLC	P100	S	0.000	0.498	0.009
Hillsborough	8563	T.G. and Laverne Robinson Family Partner	P130	G	0.000	0.087	0.040
Hillsborough	10066	Florida Acecapaders, Inc	P070	G	0.003	0.029	0.022
Hillsborough	12957	NHC-FL 8-LP	P131	G	0.012	0.321	0.060
Hillsborough County Totals					6.233	Metered, Non-PSAR, mgd	
					0.581	Estimated, mgd, 33 WUPs	
					6.814	Total, mgd	
Lake County Totals					There were no Public Supply WUPS in Lake County		
					0	Metered, Non-PSAR, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
Levy	7755	Town of Yankeetown	P130	G	0.087	0.099	0.099
Levy County Totals					0.087	Metered, Non-PSAR, mgd	
					0	Estimated, mgd, 0 WUPs	
					0.087	Total, mgd	
Manatee	503	J.T. Reeder Partners	P131	G	0	0.875	0.004
Manatee	4467	John Falkner, LLC	P131	G	0.001	9.778	0.006
Manatee	9089	FFD Land Co Inc	P135	G	0.003	2.791	0.012
Manatee	11105	WFA Land Company, Inc	P100	G	0.003	3.011	0.019

2020 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, 2020

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					0.007	Metered, Non-PSAR, mgd	
					0.005	Estimated, mgd, 2 WUPs	
					0.012	Total, mgd	
Marion	5731	MHC Foxwood Farms, LLC	P131	G	0.087	0.085	0.085
Marion	6792	Sun Communities Operating LP	P131	G	0.081	0.083	0.083
Marion	8005	GCP Fairfield Village, LLC	P131	G	0.053	0.072	0.072
Marion County Totals					0.221	Metered, Non-PSAR, mgd	
					0.166	Estimated, mgd, 11 WUPs	
					0.387	Total, mgd	
Pasco	540	Holiday Gardens Utilities, LLC	P130	G	0.055	0.100	0.100
Pasco	543	Crestridge Utilities, LLC	P130	G	0.069	0.100	0.100
Pasco	9666	Alfred Heiler	P131	G	0.056	0.061	0.061
Pasco	11131	Tampa Bay Water (Triangle Lake Augmentation)	P020	G	0.000	0.084	0.084
Pasco	11132	Tampa Bay Water (Monsees Pond Augmentation)	P020	G	0.067	0.200	0.200
Pasco County Totals					0.247	Metered, Non-PSAR, mgd	
					1.197	Estimated, mgd, 31 WUPs	
					1.444	Total, mgd	
Pinellas	10350	Utilities Inc, Lake Tarpon	P130	G	0.039	0.084	0.084
Pinellas	12905	City of St. Petersburg	P080	G	0	0.070	0.070
Pinellas County Totals					0.039	Metered, Non-PSAR, mgd	
					0.064	Estimated, mgd, 2 WUPs	
					0.103	Total, mgd	
Polk	143	Mountain Lake Corp	P130	G	0.037	3.380	0.092
Polk	1616	Lake Region Mobile Home Owners, Inc	P131	G	0.092	0.090	0.090
Polk	3415	Orchid Springs Development Corp	P130	G	0.069	0.095	0.095
Polk	6314	Twin Fountains Club Inc	P130	G	0.041	0.063	0.063

2020 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, 2020

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	8536	Woodland Lakes MHC	P130	G	0.001	0.050	0.050
Polk	8753	GCP Plantation Landings, LLC	P130	G	0.052	0.070	0.057
Polk	10575	Surterra Lakeland, LLC	P050	G	0.001	0.070	0.013
Polk	12217	Winter Haven Associates	P131	G	0.038	0.050	0.050
Polk County Totals					0.331	Metered, Non-PSAR, mgd	
					1.057	Estimated, mgd, 46 WUPs	
					1.388	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	
					0.092	Estimated, mgd, 2 WUPs	
					0.092	Total, mgd	
Sumter	6793	Rainforest RV, Inc	P130	G	0.019	0.224	0.032
Sumter	11778	Village Center CDD	P130	G	0.047	0.076	0.076
Sumter	13123	Loan Portfolio Solutions, LLC	P131	G	0.031	0.114	0.061
Sumter County Totals					0.097	Metered, Non-PSAR, mgd	
					0.114	Estimated, mgd, 5 WUPs	
					0.211	Total, mgd	
District Totals					7.419	Metered, Non-PSAR, mgd	
					4.028	Estimated, mgd, 170 WUPs	
					11.447	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.

2020 ESTIMATED WATER USE REPORT

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

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

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

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

2020 ESTIMATED WATER USE REPORT

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

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

Table A-2. 2020 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	1.060	81.6	13.6	0.0	0.0	0.0	1.1	3.6	0.865	6,150	141	0.145	0.000	0.000	0.000	0.012	0.039
Charlotte	871	City of Punta Gorda	Y	5.303	71.6	11.2	0.0	5.2	0.0	2.8	9.2	3.797	39,875	95	0.592	0.000	0.277	0.000	0.148	0.489
Charlotte	1512	Charlotte Harbor Water	Y	0.410	65.4	16.2	0.0	0.0	0.0	0.0	18.4	0.268	4,564	59	0.066	0.000	0.000	0.000	0.000	0.076
Charlotte	3522	Charlotte Co Utilities	Y	0.465	74.9	9.4	0.0	0.3	0.0	1.3	14.1	0.348	6,941	50	0.044	0.000	0.001	0.000	0.006	0.066
Charlotte	7104	Charlotte Co Utilities	Y	10.148	75.3	12.3	0.0	0.9	0.0	0.9	10.6	7.639	137,800	55	1.250	0.000	0.089	0.000	0.095	1.074
Charlotte County Totals				17.386	74.3	12.1	0.0	2.1	0.0	1.5	10.0	12.917	195,329	66	2.097	0.000	0.368	0.000	0.261	1.743
Citrus	207	City of Crystal River	Y	0.689	39.2	33.4	0.0	0.0	0.0	0.0	27.4	0.271	5,684	48	0.230	0.000	0.000	0.000	0.000	0.189
Citrus	419	City of Inverness	Y	1.115	51.6	39.9	0.0	0.0	0.0	0.0	8.5	0.575	9,185	63	0.445	0.000	0.000	0.000	0.000	0.095
Citrus	1118	Floral City Water	Y	0.324	82.1	6.0	0.0	1.5	0.0	1.4	9.1	0.266	5,190	51	0.019	0.000	0.005	0.000	0.005	0.029
Citrus	2842	Citrus County	Y	2.583	77.7	2.5	0.0	0.0	0.0	3.9	16.0	2.006	19,806	101	0.064	0.000	0.000	0.000	0.100	0.413
Citrus	4153	Rolling Oaks Utilities	Y	1.551	68.1	6.7	0.0	0.0	0.0	8.8	16.4	1.056	11,548	91	0.104	0.000	0.000	0.000	0.137	0.254
Citrus	4406	Homosassa Water Dist	Y	0.797	47.5	32.5	0.0	0.0	0.0	0.7	19.3	0.379	5,802	65	0.259	0.000	0.000	0.000	0.006	0.154
Citrus	6691	Gulf Highway Land Corp	Y	0.065	92.7	0.0	0.0	0.0	0.0	0.0	7.3	0.060	585	103	0.000	0.000	0.000	0.000	0.000	0.005
Citrus	7121	Citrus Co & WRWSA	Y	4.243	70.4	24.3	0.0	0.0	0.0	2.3	3.1	2.985	26,241	114	1.032	0.000	0.000	0.000	0.096	0.130
Citrus	9097	Tarawood Utilities	Y	0.010	47.9	0.0	0.0	0.0	0.0	0.0	52.1	0.005	158	29	0.000	0.000	0.000	0.000	0.000	0.005
Citrus	9791	Citrus County	Y	2.171	60.4	5.8	0.0	0.0	0.0	2.9	30.9	1.312	12,999	101	0.126	0.000	0.000	0.000	0.063	0.671
Citrus	11839	GCP Walden Woods	Y	0.175	61.8	0.0	0.0	1.5	0.0	0.0	36.7	0.108	1,021	106	0.000	0.000	0.003	0.000	0.000	0.064
Citrus	20230	Ozello Water Assoc	Y	0.449	53.2	25.2	8.4	0.0	0.0	3.5	9.7	0.239	4,754	50	0.113	0.038	0.000	0.000	0.016	0.044

2020 ESTIMATED WATER USE REPORT

Table A-2. 2020 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 County Totals				14.172	65.3	16.9	0.3	0.1	0.0	3.0	14.5	9.261	102,974	90	2.391	0.038	0.007	0.000	0.422	2.053
Desoto	4725	City Of Arcadia	Y	0.828	61.0	38.1	0.0	0.0	0.0	0.0	0.9	0.505	11,868	43	0.316	0.000	0.000	0.000	0.000	0.007
Desoto	20457	DeSoto County Utilities	Y	0.475	35.2	16.0	0.0	0.0	0.0	0.5	48.2	0.167	5,951	28.11	0.076	0.000	0.000	0.000	0.002	0.229
Desoto County Totals				1.303	51.6	30.1	0.0	0.0	0.0	0.2	18.1	0.672	17,819	38	0.392	0.000	0.000	0.000	0.002	0.237
Hardee	30	City of Bowling Green	Y	0.199	81.5	16.4	0.0	1.1	0.0	0.9	0.1	0.162	4,658	35	0.033	0.000	0.002	0.000	0.002	0.000
Hardee	4461	City of Wauchula	Y	0.625	52.9	32.6	0.0	1.5	0.0	6.7	6.3	0.331	6,490	51	0.204	0.000	0.009	0.000	0.042	0.039
Hardee	7658	Town of Zolfo Springs	Y	0.136	65.6	26.4	0.0	0.0	0.0	0.8	7.3	0.089	2,499	36	0.036	0.000	0.000	0.000	0.001	0.010
Hardee	13026	Hardee County BOCC	Y	0.131	69.8	18.3	0.0	2.2	0.0	0.5	9.2	0.091	2,913	31	0.024	0.000	0.003	0.000	0.001	0.012
Hardee County Totals				1.090	61.7	27.2	0.0	1.3	0.0	4.2	5.6	0.673	16,560	41	0.296	0.000	0.014	0.000	0.046	0.061
Hernando	5789	Hernando Co Utilities Dept	Y	19.189	75.2	7.8	0.0	1.7	0.0	5.8	9.4	14.429	149,003	97	1.503	0.000	0.329	0.000	1.115	1.813
Hernando	7627	City Of Brooksville	Y	1.285	36.7	61.4	0.0	0.0	0.0	0.1	1.8	0.471	18,308	26	0.790	0.000	0.000	0.000	0.001	0.024
Hernando County Totals				20.474	72.8	11.2	0.0	1.6	0.0	5.4	9.0	14.900	167,311	89	2.292	0.000	0.329	0.000	1.116	1.837
Highlands	4167	HC Waterworks	Y	0.113	60.5	7.3	0.0	0.0	0.0	6.5	25.7	0.068	1,382	49	0.008	0.000	0.000	0.000	0.007	0.029
Highlands	4492	City of Sebring	Y	3.914	66.5	17.2	0.0	0.0	0.0	1.9	14.4	2.601	33,923	77	0.674	0.000	0.000	0.000	0.074	0.564
Highlands	4980	Lake Placid Hold Co	Y	0.324	74.1	3.3	0.0	0.0	0.0	12.8	9.8	0.240	4,537	53	0.011	0.000	0.000	0.000	0.041	0.032
Highlands	5270	Town of Lake Placid	Y	0.678	54.6	26.1	0.0	3.6	0.0	6.2	9.5	0.370	7,395	50	0.177	0.000	0.024	0.000	0.042	0.064
Highlands	6029	City of Avon Park	Y	2.051	68.6	18.9	0.0	0.0	0.0	5.8	6.7	1.406	22,645	62	0.388	0.000	0.000	0.000	0.119	0.138
Highlands	7139	Buttonwood Bay Utilities	Y	0.191	63.7	12.3	0.0	0.0	0.0	0.0	24.1	0.121	1,631	74	0.023	0.000	0.000	0.000	0.000	0.046
Highlands	13099	Sun N Lake Of Sebring	Y	0.679	58.0	29.5	0.0	2.9	0.0	3.4	6.2	0.394	7,724	51	0.200	0.000	0.020	0.000	0.023	0.042
Highlands County Totals				7.949	65.4	18.6	0.0	0.6	0.0	3.9	11.5	5.201	79,237	66	1.481	0.000	0.044	0.000	0.307	0.915
Hillsborough	450	City of Temple Terrace	Y	3.799	64.1	20.5	0.0	0.0	0.0	0.0	15.4	2.434	31,341	78	0.780	0.000	0.000	0.000	0.001	0.584
Hillsborough	1776	City of Plant City	Y	6.071	49.0	39.3	0.0	1.0	0.0	7.4	3.3	2.976	41,747	71	2.385	0.000	0.060	0.000	0.452	0.198
Hillsborough	2062	City of Tampa	Y	74.534	58.4	31.0	0.0	1.0	0.0	0.3	9.3	43.510	719,482	60	23.122	0.000	0.756	0.000	0.241	6.905
Hillsborough	2285	Davpam MHC	Y	0.151	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.151	1,277	118	0.000	0.000	0.000	0.000	0.000	0.000
Hillsborough	6879	The Meadows MHC	Y	0.182	99.0	0.0	0.0	0.0	0.0	0.5	0.5	0.180	2,416	75	0.000	0.000	0.000	0.000	0.001	0.001

2020 ESTIMATED WATER USE REPORT

Table A-2. 2020 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Hillsborough	7637	Riverside Golf Course	Y	0.538	60.7	0.0	0.0	0.0	40.3	0.0	1.0	0.327	1,258	260	0.000	0.000	0.000	0.217	0.000	0.005
Hillsborough	7790	Paradise Village MHC	Y	0.125	92.9	0.0	0.0	0.0	0.0	0.0	7.1	0.116	2,187	53	0.000	0.000	0.000	0.000	0.000	0.009
Hillsborough	10443	Windemere Utility Co	Y	0.269	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.269	2,776	97	0.000	0.000	0.000	0.000	0.000	0.000
Hillsborough	20141	Hillsborough County	Y	72.691	80.7	9.9	0.0	0.0	0.0	0.0	9.5	58.628	670,579	87	7.162	0.000	0.000	0.000	0.000	6.901
Hillsborough County Totals				158.362	68.6	21.1	0.0	0.5	0.1	0.4	9.2	108.592	1,473,063	74	33.450	0.000	0.816	0.217	0.695	14.603
There was no significant public supply use in the SWFWMD portion of Lake County																				
Levy	5640	City Of Williston	Y	0.454	46.4	36.7	0.0	0.0	0.0	8.6	8.3	0.210	3,319	63	0.167	0.000	0.000	0.000	0.039	0.037
Levy	8953	Town Of Inglis	Y	0.108	72.7	15.3	0.0	0.0	0.0	0.5	11.5	0.078	1,665	47	0.016	0.000	0.000	0.000	0.001	0.012
Levy County Totals				0.562	51.5	32.6	0.0	0.0	0.0	7.1	8.9	0.289	4,984	58	0.183	0.000	0.000	0.000	0.040	0.050
Manatee	6392	City of Bradenton	Y	6.125	69.2	19.0	0.0	0.0	0.0	0.9	10.9	4.240	75,466	56	1.164	0.000	0.000	0.000	0.057	0.665
Manatee	10963	Town of Longboat Key	Y	1.875	82.9	5.1	0.0	0.0	0.0	1.2	10.8	1.555	19,000	82	0.095	0.000	0.000	0.000	0.023	0.202
Manatee	12443	City of Palmetto	Y	1.458	59.3	16.8	0.0	0.0	0.0	0.2	23.7	0.865	18,849	46	0.244	0.000	0.000	0.000	0.003	0.346
Manatee	13343, 7345	Manatee County Utilities	Y	35.794	68.6	20.1	0.0	0.0	0.0	0.9	10.4	24.567	378,390	65	7.179	0.000	0.000	0.000	0.319	3.728
Manatee County Totals				45.252	69.0	19.2	0.0	0.0	0.0	0.9	10.9	31.228	491,705	64	8.682	0.000	0.000	0.000	0.402	4.941
Marion	1156	Bay Laurel Com Dev District	Y	3.538	86.4	4.5	0.0	2.8	0.0	2.0	4.4	3.055	14,910	205	0.158	0.000	0.099	0.000	0.071	0.154
Marion	2999	Marion Utilities Inc	Y	0.099	83.1	3.1	0.0	0.0	0.0	2.5	11.3	0.083	1,128	73	0.003	0.000	0.000	0.000	0.002	0.011
Marion	5643	Utilities Inc of FL	Y	0.145	83.7	4.0	0.0	2.0	0.0	0.6	9.7	0.121	1,000	121	0.006	0.000	0.003	0.000	0.001	0.014
Marion	6151	Marion Co Utilities Dept	Y	5.319	74.6	11.1	0.0	0.0	0.0	0.2	14.2	3.969	40,831	97	0.589	0.000	0.000	0.000	0.008	0.753
Marion	7849	Marion Utilities Inc	Y	0.128	91.5	2.1	0.0	0.0	0.0	1.3	5.1	0.117	1,087	108	0.003	0.000	0.000	0.000	0.002	0.007
Marion	8020	Marion Landing	Y	0.138	76.5	0.0	0.0	5.3	0.0	4.3	13.9	0.106	1,127	94	0.000	0.000	0.007	0.000	0.006	0.019
Marion	8339	City of Dunnellon	Y	1.116	31.1	8.0	0.0	2.2	0.0	0.0	58.7	0.348	6,083	57	0.089	0.000	0.025	0.000	0.000	0.655
Marion	8481	Spruce Creek Dev	Y	0.793	90.2	0.3	0.0	0.0	0.0	0.5	9.0	0.715	7,077	101	0.003	0.000	0.000	0.000	0.004	0.071
Marion County Totals				11.277	75.5	7.5	0.0	1.2	0.0	0.8	14.9	8.514	73,241	116	0.850	0.000	0.134	0.000	0.095	1.684
Pasco	279	Aqua Utilities FL Inc	Y	0.300	68.0	2.2	0.0	0.0	0.0	0.2	29.7	0.204	3,703	55	0.006	0.000	0.000	0.000	0.001	0.089
Pasco	590	Mad Hatter Utility	Y	0.831	72.6	20.2	0.0	0.0	0.0	0.4	6.8	0.604	8,366	72	0.168	0.000	0.000	0.000	0.003	0.057
Pasco	1631	City of Dade City	Y	1.425	67.0	19.1	0.0	0.0	0.0	0.0	13.9	0.954	12,814	74	0.272	0.000	0.000	0.000	0.000	0.199

2020 ESTIMATED WATER USE REPORT

Table A-2. 2020 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Pasco	2978	FGUA Gulf Harbor	Y	0.694	71.4	18.4	0.0	0.0	0.0	0.3	9.9	0.496	5,444	91	0.128	0.000	0.000	0.000	0.002	0.069
Pasco	3182	FGUA Seven Springs	Y	2.533	79.1	11.8	0.0	0.0	0.0	0.2	9.0	2.003	31,042	65	0.298	0.000	0.000	0.000	0.005	0.227
Pasco	3590	Utilities Inc of FL	Y	0.255	82.1	0.0	0.0	0.0	0.0	0.0	17.9	0.209	3,760	56	0.000	0.000	0.000	0.000	0.000	0.046
Pasco	3692	City of Port Richey	Y	0.705	44.7	22.0	0.0	0.0	0.0	3.2	30.1	0.315	7,732	41	0.155	0.000	0.000	0.000	0.022	0.212
Pasco	4550	City of San Antonio	Y	0.141	77.4	13.3	0.0	2.3	0.0	0.4	6.5	0.109	2,455	45	0.019	0.000	0.003	0.000	0.001	0.009
Pasco	4669	Hudson Water Works	Y	0.649	65.5	13.7	0.0	0.0	0.0	12.8	8.0	0.425	7,277	58	0.089	0.000	0.000	0.000	0.083	0.052
Pasco	4734	City of New Port Richey	Y	3.336	51.7	14.2	0.0	0.0	0.0	0.0	34.1	1.723	32,783	53	0.475	0.000	0.000	0.000	0.000	1.138
Pasco	6040	City of Zephyrhills	Y	2.330	59.0	27.1	0.0	7.6	0.0	1.4	4.9	1.374	28,584	48	0.632	0.000	0.177	0.000	0.033	0.115
Pasco	7999	FGUA Angus Valley	Y	0.135	90.1	0.2	0.0	0.0	0.0	0.0	9.7	0.122	2,026	60	0.000	0.000	0.000	0.000	0.000	0.013
Pasco	8417	FGUA Aloha Gardens	Y	0.391	85.5	12.5	0.0	0.0	0.0	0.4	1.6	0.334	7,966	42	0.049	0.000	0.000	0.000	0.001	0.006
Pasco	11863	Pasco Co Utilities	Y	33.981	72.5	11.0	0.0	3.5	0.0	0.4	12.7	24.626	310,502	79	3.746	0.000	1.179	0.000	0.131	4.299
Pasco County Totals				47.706	70.2	12.7	0.0	2.8	0.0	0.6	13.7	33.497	464,456	72	6.037	0.000	1.359	0.000	0.282	6.530
Pinellas	742	City of Tarpon Springs	Y	2.638	67.6	22.1	0.0	4.1	0.0	0.0	6.3	1.782	28,834	62	0.582	0.000	0.108	0.000	0.001	0.165
Pinellas	2980	City of Dunedin	Y	3.733	67.5	13.7	0.0	0.2	0.0	0.2	18.5	2.520	46,161	55	0.511	0.000	0.006	0.000	0.006	0.689
Pinellas	2981	City of Clearwater	Y	10.640	65.7	26.2	0.0	0.0	0.0	3.0	5.1	6.988	147,007	48	2.792	0.000	0.000	0.000	0.317	0.543
Pinellas	7692	Town of Belleair	Y	0.816	88.5	7.6	0.0	2.7	0.0	0.0	1.3	0.722	5,979	121	0.062	0.000	0.022	0.000	0.000	0.010
Pinellas	10795	City of Gulfport	Y	0.898	82.8	11.0	0.0	0.0	0.0	0.8	5.4	0.744	15,225	49	0.099	0.000	0.000	0.000	0.008	0.048
Pinellas	11218	City of Oldsmar	Y	1.396	66.6	26.0	0.0	0.0	0.0	1.1	6.3	0.929	17,438	53	0.363	0.000	0.000	0.000	0.015	0.088
Pinellas	11245	City of Safety Harbor	Y	1.080	96	7.2	0.0	0.0	0.0	0.1	0.0	1.032	15,126	68	0.078	0.000	0.000	0.000	0.001	0.000
Pinellas	12351	City of Pinellas Park	Y	4.859	68.7	25.9	0.0	0.0	0.0	0.8	4.6	3.340	64,740	52	1.257	0.000	0.000	0.000	0.037	0.225
Pinellas	20142	Pinellas County	Y	38.741	68.5	21.2	0.0	0.0	0.0	0.5	9.8	26.519	509,137	52	8.219	0.000	0.000	0.000	0.187	3.816
Pinellas	20143	City of St Petersburg	Y	25.334	65.8	22.1	0.0	0.3	0.0	0.0	11.7	16.667	353,553	47	5.609	0.000	0.082	0.000	0.000	2.977
Pinellas County Totals				90.134	67.9	21.7	0.0	0.2	0.0	0.6	9.5	61.242	1,203,200	51	19.573	0.000	0.218	0.000	0.572	8.560
Polk	341	City of Bartow	Y	2.847	59.7	24.9	0.0	5.5	0.0	0.3	9.6	1.701	26,298	65	0.709	0.000	0.156	0.000	0.007	0.274
Polk	645	City of Fort Meade	Y	0.563	71.6	19.4	0.0	0.0	0.0	1.6	7.4	0.403	5,331	76	0.109	0.000	0.000	0.000	0.009	0.042
Polk	1625	Four Lakes Golf Club Ltd	Y	0.364	50.2	0.0	0.0	3.9	47.1	0.2	0.0	0.182	1,448	126	0.000	0.000	0.014	0.171	0.001	0.000

2020 ESTIMATED WATER USE REPORT

Table A-2. 2020 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Polk	2332	Town of Lake Hamilton	Y	0.294	52.6	12.4	0.0	0.0	0.0	0.0	35.0	0.155	1,893	82	0.036	0.000	0.000	0.000	0.000	0.103
Polk	4005	Crooked Lake Park Water Company	Y	0.243	68.4	22.2	0.0	0.0	0.0	2.7	6.7	0.166	2,605	64	0.054	0.000	0.000	0.000	0.007	0.016
Polk	4607	City of Winter Haven	Y	10.039	57.7	27.8	0.0	7.0	0.0	1.5	6.0	5.791	86,817	67	2.794	0.000	0.705	0.000	0.150	0.599
Polk	4658	City of Lake Wales	Y	2.684	66.8	12.6	0.0	4.3	0.0	2.0	14.4	1.792	22,591	79	0.339	0.000	0.115	0.000	0.052	0.386
Polk	4912	City of Lakeland Water Utilities	Y	22.263	64.7	25.0	0.0	2.1	0.0	0.5	7.7	14.393	184,612	78	5.566	0.000	0.473	0.000	0.110	1.721
Polk	5251	Grenelefe Resort Llc	Y	0.933	39.5	0.5	0.0	0.1	52.3	0.0	7.6	0.368	2,714	136	0.005	0.000	0.001	0.488	0.000	0.071
Polk	5750	City of Davenport	Y	1.800	74.2	6.4	0.0	1.4	0.0	15.7	2.4	1.337	11,393	117	0.114	0.000	0.024	0.000	0.282	0.043
Polk	5868	Rainbow Resort	Y	0.107	95.2	0.0	0.0	4.3	0.0	0.0	0.5	0.102	989	103	0.000	0.000	0.005	0.000	0.000	0.001
Polk	5870	City of Frostproof	Y	0.335	55.8	34.8	0.0	3.2	0.0	0.9	5.3	0.187	3,688	51	0.117	0.000	0.011	0.000	0.003	0.018
Polk	5893	Town of Dundee Public Works Dept	Y	0.773	66.9	14.4	0.0	0.0	0.0	0.0	18.7	0.517	6,313	82	0.111	0.000	0.000	0.000	0.000	0.144
Polk	6124	City of Mulberry	Y	0.403	56.0	31.8	0.0	0.0	0.0	1.5	10.7	0.226	4,803	47	0.128	0.000	0.000	0.000	0.006	0.043
Polk	6174	Saddlebag Lake Owners Assoc Inc.	Y	0.097	92.9	0.0	0.0	0.0	0.0	0.0	7.1	0.090	1,332	68	0.000	0.000	0.000	0.000	0.000	0.007
Polk	6505	Polk Co BOCC Util Div	Y	2.872	87.6	3.7	0.0	0.5	0.0	1.2	7.0	2.516	33,340	75	0.106	0.000	0.014	0.000	0.034	0.202
Polk	6506	Polk Co BOCC Util Div	Y	3.495	92.6	3.0	0.0	0.4	0.0	0.3	3.8	3.235	45,113	72	0.104	0.000	0.014	0.000	0.009	0.132
Polk	6507	Polk Co BOCC Util Div	Y	1.186	82.2	6.2	0.0	1.2	0.0	1.6	8.8	0.974	14,660	66	0.074	0.000	0.014	0.000	0.019	0.105
Polk	6508	Polk Co BOCC Util Div	Y	0.631	39.2	54.2	0.0	0.5	0.0	0.2	5.9	0.247	5,072	49	0.342	0.000	0.003	0.000	0.002	0.037
Polk	6509	Polk Co BOCC Util Div	Y	8.182	85.5	7.7	0.0	0.5	0.0	0.3	5.9	6.998	90,983	77	0.630	0.000	0.041	0.000	0.028	0.486
Polk	6624	City of Lake Alfred	Y	0.883	91.1	12.2	0.0	0.2	0.0	0.0	0.0	0.805	8,597	94	0.108	0.000	0.002	0.000	0.000	0.000
Polk	6920	City of Eagle Lake	Y	0.451	67.3	6.6	0.0	0.4	0.0	20.6	5.1	0.304	4,535	67	0.030	0.000	0.002	0.000	0.093	0.023
Polk	7119	City of Auburndale	Y	5.386	53.7	31.8	0.0	6.8	0.0	1.2	6.6	2.890	31,923	91	1.712	0.000	0.365	0.000	0.062	0.357
Polk	7187	Chc Vii Ltd Century Realty Fund	Y	0.213	45.3	0.0	0.0	17.0	34.0	1.1	2.5	0.096	1,482	65	0.000	0.000	0.036	0.072	0.002	0.005
Polk	7328	Carefree RV CC of Winter Haven Inc	Y	0.109	60.3	0.0	0.0	0.0	39.7	0.0	0.0	0.066	980	67	0.000	0.000	0.000	0.043	0.000	0.000
Polk	7878	Florida Gov Utility Authority	Y	0.136	86.3	3.0	0.0	0.0	0.0	0.7	10.0	0.118	2,253	52	0.004	0.000	0.000	0.000	0.001	0.014
Polk	8054	Polk Co BOCC Util Div	Y	0.491	69.3	1.5	0.0	0.0	0.0	0.3	28.9	0.340	6,651	51	0.007	0.000	0.000	0.000	0.002	0.142
Polk	8344	S V Utilities Ltd	Y	0.127	83.0	0.0	0.0	0.0	0.0	7.4	9.6	0.105	1,379	76	0.000	0.000	0.000	0.000	0.009	0.012

2020 ESTIMATED WATER USE REPORT

Table A-2. 2020 PSAR Use Type Percentages and Residential Per Capita

County	Water Use Permit Number	Permittee Name	PSAR Rec. Y/N	(1) Gross Use (mgd)	(2) % RES	(3) % I/C	(4) % AG	(5) % L/R	(6) % GC	(7) % F&O	(8) % WL	(9) Residential Use (mgd)	(10) Population Served (Functional)	(11) Residential Per Capita	(12) I/C Use (mgd)	(13) AG Use (mgd)	(14) L/R Use (mgd)	(15) GC Use (mgd)	(16) F & O Use (mgd)	(17) WL Use (mgd)
Polk	8468	City of Polk City	Y	0.380	88.2	11.3	0.0	0.0	0.0	0.2	0.3	0.335	7,616	44	0.043	0.000	0.000	0.000	0.001	0.001
Polk	8522	City of Haines City	Y	5.025	65.4	27.8	0.0	0.0	0.0	0.2	6.7	3.284	39,694	83	1.395	0.000	0.000	0.000	0.008	0.338
Polk	8967	Sweetwater Community Inc	Y	0.112	44.8	0.0	0.0	0.0	55.2	0.0	0.0	0.050	698	72	0.000	0.000	0.000	0.062	0.000	0.000
Polk	10141	Polk Co BOCC Util Div Ovation Facility	Y	0.020	40.2	59.8	0.0	0.0	0.0	0.0	0.0	0.008	653	13	0.012	0.000	0.000	0.000	0.000	0.000
Polk	12800	Jordan's Grove, LLC	Y	0.125	97.5	2.1	0.0	0.3	0.0	0.0	0.0	0.122	1,152	106	0.003	0.000	0.000	0.000	0.000	0.000
Polk	13043	Cypress Lakes Utilities Inc	Y	0.240	73.0	0.0	0.0	0.4	0.0	0.3	26.4	0.175	3,005	58	0.000	0.000	0.001	0.000	0.001	0.063
Polk County Totals				73.811	67.9	19.9	0.0	2.7	1.1	1.2	7.3	50.081	662,612	76	14.652	0.000	1.995	0.837	0.897	5.385
Sarasota	2923	City of North Port	Y	3.266	69.7	11.0	0.0	0.0	0.0	2.7	16.7	2.277	56,769	40	0.358	0.000	0.000	0.000	0.087	0.545
Sarasota	4318	City of Sarsota Public Works	Y	6.456	60.6	28.1	0.0	0.2	0.0	1.1	9.9	3.912	85,512	46	1.817	0.000	0.013	0.000	0.072	0.641
Sarasota	4866	Englewood Water District	Y	3.028	67.6	12.4	0.0	0.4	0.0	0.4	19.2	2.046	38,271	53	0.376	0.000	0.011	0.000	0.012	0.583
Sarasota	5393	City of Venice	Y	2.453	63.0	30.9	0.0	0.0	0.0	0.5	5.6	1.544	37,172	42	0.759	0.000	0.000	0.000	0.012	0.138
Sarasota	5807	Camelot Communities Mhp Llc	Y	0.359	100.0	0.0	0.0	0.0	0.0	0.0	0.0	0.359	1,829	196	0.000	0.000	0.000	0.000	0.000	0.000
Sarasota	7448	SNF Property LLC	Y	0.105	85.4	0.0	0.0	14.6	0.0	0.0	0.0	0.090	1,339	67	0.000	0.000	0.015	0.000	0.000	0.000
Sarasota	8836	Sarasota Co Bocc	Y	19.705	74.1	16.0	0.0	0.0	0.0	0.0	9.8	14.609	244,663	60	3.158	0.000	0.000	0.000	0.000	1.938
Sarasota County Totals				35.372	70.2	18.3	0.0	0.1	0.0	0.5	10.9	24.836	465,555	53	6.469	0.000	0.040	0.000	0.182	3.845
Sumter	1368	Lake Panasoffkee Water Assoc Inc	Y	0.282	82.1	16.3	0.0	0.0	0.0	0.0	1.6	0.231	4,520	51	0.046	0.000	0.000	0.000	0.000	0.005
Sumter	6519	City of Bushnell	Y	0.436	24.1	63.4	0.0	0.0	0.0	0.2	12.3	0.105	3,892	27	0.277	0.000	0.000	0.000	0.001	0.053
Sumter	7185	City of Webster	Y	0.083	44.3	34.0	0.0	0.0	0.0	2.5	19.1	0.037	823	45	0.028	0.000	0.000	0.000	0.002	0.016
Sumter	8135	City of Wildwood	Y	2.352	42.0	48.8	0.0	0.0	0.0	0.5	8.8	0.987	17,867	55	1.147	0.000	0.000	0.000	0.012	0.206
Sumter	8193	City of Center Hill	Y	0.070	75.8	5.2	0.0	0.0	0.0	9.6	9.4	0.053	1,173	45	0.004	0.000	0.000	0.000	0.007	0.007
Sumter	12584	Orange Blossom Utilities	Y	0.038	37.7	24.2	0.0	1.3	0.0	29.4	7.5	0.014	204	na	0.009	0.000	0.001	0.000	0.011	0.003
Sumter	13005	Village Center CDD	Y	22.005	82.6	3.1	0.0	13.0	0.0	1.0	0.3	18.179	91,920	198	0.675	0.000	2.858	0.000	0.229	0.064
Sumter	20597	Wildwood CCC	Y	0.147	61.2	22.8	0.0	0.0	0.0	10.5	5.5	0.090	1,595	56	0.034	0.000	0.000	0.000	0.015	0.008
Sumter	20721	South Sumter Utility Co	Y	0.543	54.5	6.6	0.0	0.0	0.0	11.1	27.7	0.296	8,064	37	0.036	0.000	0.000	0.000	0.060	0.150
Sumter County totals				25.954	77.0	8.7	0.0	11.0	0.0	1.3	2.0	19.992	130,057	154	2.255	0.000	2.858	0.000	0.337	0.512

2020 ESTIMATED WATER USE REPORT

Table A-2. 2020 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)
Northern Planning Region				72.439	73.1	11.0	0.1	4.6	0.0	2.8	8.5	52.956	478,568	111	7.972	0.038	3.329	0.000	2.009	6.135
Tampa Bay Planning Region				296.201	68.6	19.9	0.0	0.8	0.1	0.5	10.0	203.331	3,140,719	65	59.059	0.000	2.393	0.217	1.549	29.693
Southern Planning Region				99.313	70.1	17.8	0.0	0.4	0.0	0.9	10.8	69.653	1,170,408	60	17.639	0.000	0.408	0.000	0.848	10.765
Heartland Planning Region				82.850	67.5	19.8	0.0	2.5	1.0	1.5	7.7	55.954	758,408	74	16.430	0.000	2.053	0.837	1.249	6.361
District Totals & Averages				550.802	69.3	18.4	0.0	1.5	0.2	1.0	9.6	381.894	5,548,104	69	101.101	0.038	8.183	1.054	5.655	52.954

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.

2020 ESTIMATED WATER USE REPORT

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

Table A-3. 2020 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Charlotte	718	Gasparilla Island	0.000	Charlotte	7104	Charlotte County Utilities	0.000
Charlotte	871	City of Punta Gorda	0.556	DeSoto	10420	PRMRWSA	0.270
Charlotte	7104	Charlotte County Utilities	0.000	Sarasota	2923	City of North Port	0.014
Charlotte	7104	Charlotte County Utilities	10.660	DeSoto	10420	PRMRWSA	11.118
Charlotte	99913	El Jobean Water Association	0.076	Charlotte	7104	Charlotte County Utilities	0.076
Charlotte	99916	Riverwood Development, Inc.	0.299	Charlotte	7104	Charlotte County Utilities	0.299
Charlotte	NA	Encore Super Park	0.035	Charlotte	7104	Charlotte County Utilities	0.035
Total Charlotte County Imports:			11.625	Total Exports to/within Charlotte County			11.811
Citrus	7121	Citrus County	0.000	Citrus	4406	Homosassa Special Water District	0.045
Citrus	207	City of Crystal River	0.001	Citrus	7121	Citrus County, Charles A Black Wellfield	0.001
Citrus	20230	Ozello Water Association, Inc.	0.000	Citrus	207	City of Crystal River	0.000
Citrus	NA	Forest Hills	0.015	Citrus	7121	Citrus County, Charles A Black Wellfield	0.015
Citrus	20230	Ozello Water Association, Inc.	0.451	Citrus	7121	Citrus County, Charles A Black Wellfield	0.449
Total Citrus County Imports:			0.467	Total Exports within Citrus County			0.510
DeSoto	10420	PRMRWSA	0.517	Charlotte	871	City of Punta Gorda	0.825
DeSoto	20457	DeSoto County Utilities	0.591	DeSoto	10420	PRMRWSA	0.591
DeSoto	4725	City of Arcadia	0.078	DeSoto	20457	DeSoto County Utilities	0.107
Total Desoto County Imports:			1.186	Total Exports to/within Desoto County			1.523
Hillsborough	1776	City of Plant City	0.060	Polk	4912	City of Lakeland	0.022
Hillsborough	4352	Tampa Bay Water	0.075	Hillsborough	1776	City of Plant City	0.075
Hillsborough	20141	Hillsborough County Wholesale	1.756	Hillsborough	2062	City of Tampa	1.647
Hillsborough	20141	Hillsborough County Wholesale	71.587	Hillsborough	Multiple	Tampa Bay Water	71.587
Hillsborough	20141	Hillsborough County Wholesale	0.003	Hillsborough	450	City of Temple Terrace	0.000
Hillsborough	20141	Hillsborough County Wholesale	0.079	Hillsborough	1776	City of Plant City	0.000

2020 ESTIMATED WATER USE REPORT

Table A-3. 2020 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Hillsborough	2062	City of Tampa	1.621	Hillsborough	Multiple	Tampa Bay Water	1.621
Total Hillsborough County Imports:			75.182	Total Exports to/within Hillsborough County			74.953
Levy	7755	Town of Yankeetown	0.000	Levy	8953	Town of Inglis	0.000
Total Levy County Imports:			0.000	Total Exports within Levy County			0.000
Manatee	6392	City of Bradenton	0.215	Manatee	13343	Manatee County Utilities	0.204
Manatee	13343	Manatee County Utilities	0.000	Manatee	6392	City of Bradenton	0.011
Manatee	10963	Town of Longboat Key	1.924	Manatee	13343	Manatee County Utilities	1.925
Manatee	12443	City of Palmetto	1.473	Manatee	13343	Manatee County Utilities	1.475
Manatee	13343	Manatee County Utilities	1.655	Manatee	7345	Mosiac LLC & Manatee County Utilities	1.655
Total Manatee County Imports:			5.267	Total Exports within Manatee County			5.270
Pasco	2978	FGUA Gulf Harbor (Lindrick)	0.013	Pasco	4734	City of New Port Richey (to Lindrick)	0.011
Pasco	3182	FGUA Seven Springs	0.390	Pasco	11863	Pasco County Utilities	0.390
Pasco	3677	FGUA Colonial Manor	0.086	Pasco	11863	Pasco County Utilities	0.086
Pasco	3692	City of Port Richey	0.028	Pasco	4734	City of New Port Richey	0.028
Pasco	4734	City of New Port Richey	0.046	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	0.046
Pasco	4734	City of New Port Richey	4.957	Pasco	TBW	Tampa Bay Water	4.957
Pasco	6223	Paradise Lakes Utilities	0.006	Pasco	11863	Pasco County Utilities	0.006
Pasco	7745	FGUA-Virginia City	0.013	Pasco	11863	Pasco County Utilities	0.013
Pasco	8417	FGUA Aloha Gardens	0.279	Pasco	11863	Pasco County Utilities	0.279
Pasco	11082	FGUA- American Condominium	0.0001	Pasco	11863	Pasco County Utilities	0.000
Pasco	11473	Aripeka West Utility	0.008	Pasco	11863	Pasco County Utilities	0.008
Pasco	11863	Pasco County Utilities	33.140	Hillsborough, Pasco, Pinellas	Consolidated	Tampa Bay Water	33.140
Pasco	11863	Pasco County Utilities	0.013	Pasco	6040	City of Zephyrhills	0.019
Pasco	99906	Arbor Oaks	0.010	Pasco	11863	Pasco County Utilities	0.010
Pasco	999915	Orchid Lake Utility	0.031	Pasco	11863	Pasco County Utilities	0.031
Pasco	NA	FGUA- Palm Terrace	0.168	Pasco	11863	Pasco County Utilities	0.168

2020 ESTIMATED WATER USE REPORT

Table A-3. 2020 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Pasco	TBW	Tampa Bay Water	1.980	Pasco	4734	City of New Port Richey	1.980
Total Pasco County Imports:			41.169	Total Exports to/within Pasco County			41.173
Pinellas	742	City of Tarpon Springs	0.004	Pinellas	20142	Pinellas County Utilities	0.004
Pinellas	2980	City of Dunedin	0.000	Pinellas	20143	Pinellas County Utilities	0.000
Pinellas	2981	City of Clearwater	4.334	Pinellas	20142	Pinellas County Utilities	4.313
Pinellas	7692	Town of Belleair	0.002	Pinellas	20142	Pinellas County Utilities	0.002
Pinellas	10795	City of Gulfport	0.898	Pinellas	20143	City of St. Petersburg	0.898
Pinellas	11218	City of Oldsmar	0.001	Pinellas	20142	Pinellas County Utilities	0.001
Pinellas	11245	City of Safety Harbor	1.080	Pinellas	20142	Pinellas County Utilities	1.080
Pinellas	12351	City of Pinellas Park	4.859	Pinellas	20142	Pinellas County Utilities	4.792
Pinellas	20142	Pinellas County Utilities	49.361	Pasco, Hillsborough, Pinellas	Consolidated	Tampa Bay Water	49.361
Pinellas	20143	City of St. Petersburg	26.502	Pasco, Hillsborough, Pinellas	Consolidated	Tampa Bay Water	26.502
Pinellas	NA	FGUA	0.047	Pinellas	742	City of Tarpon Springs	0.047
Total Pinellas County Imports:			87.089	Total Exports to/within Pinellas County			87.001
Polk	4607	City of Winter Haven	0.000	Polk	4658	City of Lake Wales	0.0000
Polk	3415	Orchid Springs Development Corp.	0.0000	Polk	4607	City of Winter Haven	0.0000
Polk	4658	City of Lake Wales	0.000	Polk	4607	City of Winter Haven	0.0000
Polk	6624	City of Lake Alfred	0.000	Polk	4607	City of Winter Haven	0.0000
Polk	6506	Polk County Utilities	0.049	Polk	4912	City of Lakeland	0.068
Polk	DS4007	Highland Village MHP	0.049	Polk	6506	Polk County Utilities	0.049
Polk	6505	Polk County Utilities	0.157	Polk	4912	City of Lakeland	0.000
Polk	6507	Polk County Utilities	0.000	Polk	4912	City of Lakeland	0.205
Polk	6509	Polk County Utilities-NERUSA	0.000	Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.000
Polk	6509	Polk County Utilities-NERUSA	1.829	Polk	53-00126-W	Polk County Utilities (SFWMD)	1.829
Polk	10141	Ovation Utility Service Area	0.020	Polk	6509	Polk County Utilities-NERUSA	0.020

2020 ESTIMATED WATER USE REPORT

Table A-3. 2020 PSAR Utility Permit-to-Permit Water Transfers

Import Details (Sorted by Destination)				Exporter Details			
Importing County	Importing WUP #	Importer Permittee Name	Imported Quantity (mgd)	Exporting County	Exporting WUP #	Exporter Permittee Name	Exported Quantity (mgd)
Polk	12800	Jordan's Grove Development	0.125	Polk	6509	Polk County Utilities-NERUSA	0.125
Osceola	49-00103-W	Toho Water Authority (SFWMD)	0.000	Polk	6509	Polk County Utilities-NERUSA	0.00001
Polk	8522	City of Haines City	0.000	Polk	6510	Polk County Utilities-NERUSA	0.000
Polk	7878	FGUA - Village Water Industrial Park	0.000	Polk	4912	City of Lakeland	0.106
Polk	4658	City of Lake Wales	0.000	Polk	8054	Polk Co Bocc	0.000
Total Polk County Imports:			2.231	Total Exports to/within Polk County			2.404
Sarasota	2923	City of North Port	1.866	DeSoto	10420	PRMRWSA	1.866
Sarasota	2923	City of North Port	0.022	Sarasota	8836/12926	Sarasota County Utilities	0.006
Sarasota	99914	Pluris/Southgate Utilities	0.857	Sarasota	8836/12926	Sarasota County Utilities	0.857
Sarasota	8836/12926	Sarasota County Utilities	4.174	Manatee	13343/7345	Manatee County Utilities	4.174
Sarasota	8836/12926	Sarasota County Utilities	15.640	DeSoto	10420	PRMRWSA	15.682
Sarasota	8836/12926	Sarasota County Utilities	0.137	Sarasota	2923	City of North Port	0.144
Sarasota	PWS-6084079	Bocilla Utilities	0.130	Sarasota	4866	Englewood Water District	0.130
Total Sarasota County Imports:			22.826	Total Exports to/within Sarasota County			22.861
Sumter	8135	City of Wildwood	0.116	Sumter	20721	South Sumter Utility Company	0.117
Total Sumter County Imports:			0.116	Total Exports to/within Sumter County			0.117
Total District Imports:			247.159	Total District Exports:			247.622

Data Source: Public Supply Annual Reports.

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

2020 ESTIMATED WATER USE REPORT

Table A-4. 2020 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	8.332	2.572	12.772	9.097	8.665	10.464	9.074	8.098	7.556	9.013	8.191	9.948
Citrus	13.465	13.775	16.887	16.048	18.187	16.411	14.459	13.686	12.503	14.529	14.075	13.316
Desoto	31.554	28.495	7.231	0.715	0.787	37.372	69.964	46.520	27.942	43.259	45.543	37.186
Hardee	1.205	1.253	1.363	1.273	1.183	1.109	1.119	1.084	1.085	1.119	1.230	1.189
Hernando	17.244	16.171	21.196	21.566	23.641	21.319	20.635	19.798	19.309	21.018	20.877	19.141
*Highlands	8.224	8.484	8.826	8.664	9.155	8.286	8.253	8.209	7.893	7.576	7.535	7.610
Hillsborough	190.799	191.014	204.399	184.563	191.351	186.470	214.839	340.392	401.547	250.052	240.944	221.047
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.759	0.789	0.836	0.804	0.842	0.802	0.753	0.787	0.753	0.814	0.800	0.832
Manatee	50.047	51.787	56.110	54.466	54.770	53.497	58.903	50.659	48.595	49.699	49.743	51.250
*Marion	9.946	10.472	13.563	13.205	14.349	12.880	11.890	11.627	10.454	11.651	10.708	9.801
Pasco	57.329	55.619	59.485	42.332	45.063	45.616	47.369	46.882	47.712	42.420	48.018	44.217
Pinellas	25.224	27.479	27.087	26.947	26.113	26.639	29.278	28.220	23.683	22.092	22.632	21.396
*Polk	70.239	72.358	84.609	82.032	82.904	73.119	70.621	68.169	65.773	71.776	69.836	68.835
Sarasota	21.865	17.558	27.468	19.674	19.379	19.883	19.342	19.504	18.380	18.855	19.364	18.927
Sumter	13.036	13.602	20.900	23.736	29.840	16.086	14.827	12.740	11.292	14.282	13.239	12.722
District Total	519.268	511.428	562.732	505.122	526.230	529.953	591.325	676.375	704.476	578.155	572.735	537.417
Groundwater	326.957	328.506	388.074	360.135	381.190	352.483	345.751	330.839	315.832	322.247	316.467	303.923
Surface Water	192.311	182.922	174.658	144.987	145.040	177.470	245.574	345.536	388.644	255.908	256.268	233.494

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

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

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

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	0.128	1.044	0.178
Charlotte	3523	Twin Isles Country Club	R250	G	0.000	0.256	0.256
Charlotte	6709	Port Charlotte Golf Course, LLC	R250	S	0.000	0.060	0.060
Charlotte	7602	St. Andrews South Golf Club, Inc	R250	G	0.054	0.144	0.144
Charlotte	7815	Deep Creek Golf, Inc	R250	G	0.016	0.195	0.195
Charlotte	9223	Kingsgate Associates II, Ltd	R250	G	0.034	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	0.086	0.142	0.142
Charlotte	10169	CH3-Riverwood Golf Club LLC	R250	S	0.239	0.247	0.247
Charlotte	10932	Rotonda Golf Partners II LLC	R250	S	0.045	0.237	0.237
Charlotte	11687	Rotonda Golf Partners II LLC	R250	S	0.117	0.078	0.078
Charlotte	11688	Rotonda Golf Partners II LLC	R250	S	0.034	0.210	0.210
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	G	0.008	0.080	0.080
Charlotte	11979	Community Blue Heron Pines Joint Venture	R250	S	0.005	0.080	0.080
Charlotte	11997	Ccc Dr LLC	R250	S	0.007	0.184	0.184
Charlotte	12309	Charlotte County Community Services Department	R245	G	0.000	0.029	0.029
Charlotte	12335	Rotonda Golf Partners II LLC	R250	S	0.215	0.229	0.229
Charlotte	12543	Charlotte Co BOCC	R245	G	0.012	0.090	0.090
Charlotte	12586	Lennar Homes, LLC	R250	G	0.000	0.445	0.445
Charlotte	12586	Lennar Homes, LLC	R250	S	0.000	0.445	0.445
Charlotte	12907	River Club of Port Charlotte HOA	R240	G	0.145	0.114	0.114
Charlotte	20378	Waterford Est. Community Association, Inc	R240	G	0.201	0.098	0.098
Charlotte	20694	Lennar Homes, LLC	R240	G	0.000	0.057	0.057
Charlotte County Totals					1.348	Metered, mgd	
					0.569	Estimated, mgd, 18 WUPs	
					1.917	Total, mgd	

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2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Citrus	419	City of Inverness	R245	G	0.018	1.535	0.025
Citrus	3228	Citrus Hills Investment Prop LLC	R250	G	0.497	0.610	0.610
Citrus	3673	Suntacc and Company, Inc.	R250	G	0.200	0.065	0.065
Citrus	7805	Hampton Hills, LLC	R250	G	0.730	1.148	1.148
Citrus	8785	Escalanta-Black Diamond Golf Club LLC	R250	G	0.412	0.153	0.153
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	G	0.000	0.273	0.273
Citrus	8970	Kingwood Crystal River Resort, Corp	R250	S	0.197	0.273	0.273
Citrus	8997	Inverness Golf & Country Club	R250	G	0.026	0.066	0.066
Citrus	9564	Twisted Oaks Golf Course, LLC	R250	G	0.204	0.320	0.320
Citrus	9964	Pine Ridge Golf Club, LLC	R250	G	0.228	0.224	0.224
Citrus	10260	Brassboys Enterprises Inc	R250	G	0.074	0.207	0.207
Citrus	10404	Flovicc & Company, Inc.	R250	G	0.302	0.262	0.262
Citrus	13103	Deltona Corporation	R250	G	0.000	0.218	0.218
Citrus County Totals					2.890	Metered, mgd	
					0.406	Estimated, mgd, 18 WUPs	
					3.296	Total, mgd	
DeSoto	6697	Point Charlotte, LLC	R250	G	0.000	0.046	0.046
DeSoto	11261	Peace River Development Corp	R406	G	0.000	0.191	0.001
DeSoto	20747	City of Arcadia	R250	G	0.037	0.065	0.065
DeSoto County Totals					0.037	Metered, mgd	
					0.130	Estimated, mgd, 6 WUPs	
					0.167	Total, mgd	
Hardee	11858	FINR II, Inc	R240	G	0.001	0.212	0.000
Hardee County Totals					0.001	Metered, mgd	
					0.126	Estimated, mgd, 10 WUPs	
					0.127	Total, mgd	
Hernando	368	7406 St. Andrews Blvd, LLC	R250	G	0.063	0.060	0.060

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	2982	Brookridge Country Club Assoc, Inc	R250	G	0.247	0.273	0.273
Hernando	3726	High Point Golf Club, Inc	R250	G	0.061	0.149	0.149
Hernando	4893	FDEP and SWFWMD	R310	G	0.002	0.136	0.136
Hernando	6873	BCC, LLC	R250	G	0.111	0.207	0.207
Hernando	8124	Oak Hills Golf Club, LLC	R250	G	0.009	0.201	0.201
Hernando	8639	Timber Pines Community Assoc, Inc	R250	G	0.088	0.059	0.059
Hernando	8833	New Seville 2011 Dev LLC	R250	G	0.000	0.338	0.338
Hernando	9344	Glen Lakes Partnership Ltd	R250	G	0.220	0.260	0.260
Hernando	10199	Triple Eagle Group Inc	R250	G	0.181	0.305	0.305
Hernando	10760	Rivard Golf Club, LLC	R250	G	0.024	0.194	0.194
Hernando	11059	Glen Lakes Partnership Ltd	R240	G	0.343	0.401	0.401
Hernando	12545	Southern Hills Irrigation Services LLC	R250	G	0.000	0.098	0.098
Hernando	13279	World Woods Corp	R250	G	0.730	0.735	0.735
Hernando County Totals					2.080	Metered, mgd	
					1.194	Estimated, mgd, 26 WUPs	
					3.274	Total, mgd	
Highlands	4637	Harder Hall Golf Club, LLC	R250	G	0.097	0.153	0.153
Highlands	4708	Sun'N Lake of Sebring Improvement District	R250	G	0.508	0.584	0.584
Highlands	5107	City of Sebring	R250	G	0.088	0.130	0.130
Highlands	5646	Pinecrest On Lotela Inc	R250	G	0.213	0.200	0.200
Highlands	5907	Lake Rachard, LLC	R240	G	0.000	0.054	0.054
Highlands	6498	River Greens South Golf Course, Inc	R250	G	0.210	0.196	0.196
Highlands	7811	Mink Associates I LLC	R250	G	0.152	0.142	0.142
Highlands	8327	Laman Land Development LLC	R250	G	0.151	0.225	0.225
Highlands	9626	J & P Golf Properties LLC	R250	G	0.154	0.329	0.329
Highlands	12265	CCS Golf Club Inc	R250	G	0.168	0.224	0.224

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Highlands County Totals					1.741	Metered, mgd	
					0.396	Estimated, mgd, 31 WUPs	
					2.137	Total, mgd	
Hillsborough	192	Gracepoint Plant City	R240	G	0.000	0.018	0.003
Hillsborough	254	301 Cypress Creek LLC	R240	G	0.037	0.044	0.044
Hillsborough	620	Nittany Trails LLC	R250	G	0.105	0.287	0.287
Hillsborough	689	Hillsborough County School Board	R245	G	0.011	0.150	0.064
Hillsborough	1098	Garden of Memories, Inc	R230	G	0.366	0.506	0.506
Hillsborough	1532	Mosaic Fertilizer, LLC	R310	G	0.000	5.985	0.015
Hillsborough	1532	Mosaic Fertilizer, LLC	R310	S	0.007	5.985	0.015
Hillsborough	1640	Bahia Lakes CDD	R240	G	0.016	0.025	0.025
Hillsborough	1854	Panther Trails CDD	R240	G	0.002	0.005	0.005
Hillsborough	1857	Hillsborough County School Board	R240	G	0.003	0.082	0.082
Hillsborough	1946	Hillsborough County Associates II LLLP	R240	G	0.017	0.472	0.472
Hillsborough	1946	Hillsborough County Associates II LLLP	R240	S	0.000	0.472	0.472
Hillsborough	1960	University of South Florida	R245	G	0.778	2.364	0.934
Hillsborough	1960	University of South Florida	R245	S	0.012	2.364	0.934
Hillsborough	2320	SeaWorld Parks & Ent LLC	R300	G	1.128	1.810	1.810
Hillsborough	2639	Concert Carrollwood LLC	R250	G	0.000	0.089	0.089
Hillsborough	3582	City of Temple Terrace	R250	G	0.087	0.256	0.256
Hillsborough	3745	NNP IV-Lake Hutto, LLC	R240	G	0.133	0.120	0.120
Hillsborough	4526	Hillsborough County Aviation Authority	R240	G	0.000	0.050	0.050
Hillsborough	4549	Lake Charles Improvement Association	R220	G	0.008	0.050	0.050
Hillsborough	4874	Avila Golf and Country Club	R250	G	0.133	0.080	0.080
Hillsborough	6091	Caloosa Golf & Country Club Inc	R250	G	0.007	0.332	0.332
Hillsborough	6092	Clublink US Corporation	R250	G	0.907	1.240	1.240
Hillsborough	6092	Clublink US Corporation	R250	S	0.000	1.240	1.240

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	6100	City Of Tampa	R250	G	0.126	0.181	0.179
Hillsborough	6101	Tampa Sports Authority & City of Tampa	R250	G	0.090	0.152	0.152
Hillsborough	6217	Palma Ceia Golf & Country Club, Inc	R250	G	0.237	0.231	0.223
Hillsborough	7002	MHC Featherock, LLC	R240	G	0.060	0.008	0.008
Hillsborough	7038	Bloomingtondale Golf LLC	R250	G	0.013	0.087	0.081
Hillsborough	7261	Hills. County Board of County Commissioners	R240	G	0.000	0.002	0.002
Hillsborough	7586	Dover RE Holdings, LLC	R415	G	0.000	0.106	0.035
Hillsborough	7774	Lake Carlton Arms Partnership	R244	G	0.103	0.043	0.043
Hillsborough	7883	Tampa Palms Community Dev Dist	R244	G	0.179	0.313	0.313
Hillsborough	8126	Brighton Golf Partners, LLC	R250	G	0.047	0.211	0.211
Hillsborough	8641	Old Memorial Club, Inc	R250	G	0.089	0.083	0.083
Hillsborough	8673	Belmont Real Estate LLC	R240	G	0.073	0.133	0.133
Hillsborough	8710	Hillsborough County School Board	R245	G	0.042	0.039	0.032
Hillsborough	8931	TC Venture 1, LLC	R240	G	0.118	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	0.005	0.066	0.066
Hillsborough	9137	River Hills Golf, LLC	R250	G	0.000	0.200	0.200
Hillsborough	9260	Northdale Golf, LLC	R250	G	0.000	0.064	0.064
Hillsborough	9487	Tampa Palms Club, Inc	R250	G	0.028	0.151	0.151
Hillsborough	9527	Cheval Golf Club LLC	R250	G	0.002	0.082	0.082
Hillsborough	9902	Casper and Sue Ann Brock	R240	G	0.001	0.001	0.001
Hillsborough	10161	Lowry Park Zoological Society of Tampa, Inc.	R407	G	0.099	0.301	0.301
Hillsborough	10398	Rivercrest Community Development District	R240	G	0.115	0.115	0.115
Hillsborough	10516	Hillsborough County BOCC	R290	G	0.000	0.103	0.103
Hillsborough	10724	DF Cypress Creek Properties LLC	R250	G	0.000	0.257	0.257
Hillsborough	11086	Robyn Smith	R220	G	0.009	0.060	0.060
Hillsborough	11157	Harbor Bay Community Development District	R240	G	0.065	0.090	0.090

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	11194	Heritage Golf Tampa Bay LLC	R250	G	0.008	0.323	0.323
Hillsborough	11425	Round Lake Association Inc and John and Christine Romer	R220	G	0.022	0.215	0.215
Hillsborough	11428	Hunters Green Acquisition Corp	R250	G	0.027	0.324	0.324
Hillsborough	11429	Hunter's Green Community Association Inc	R240	G	0.003	0.274	0.274
Hillsborough	11540	Heritage Isles CDD	R250	G	0.201	0.253	0.253
Hillsborough	11830	Tampa Bay Downs, Inc	R300	G	0.059	0.156	0.156
Hillsborough	12024	City of Tampa	R250	G	0.040	0.323	0.323
Hillsborough	12957	NHC-FL8 LP	R250	G	0.054	0.321	0.261
Hillsborough	12967	Southshore Falls HOA, Inc	R240	G	0.261	0.172	0.172
Hillsborough	13356	South Shore Corporate Park Industrial CDD	R240	G	0.000	0.110	0.110
Hillsborough	13356	South Shore Corporate Park Industrial CDD	R240	S	0.219	0.110	0.110
Hillsborough	20382	City of Tampa	R220	S	0.603	1.743	1.743
Hillsborough	20660	Sun City Center Community Association, Inc.	R244	G	0.000	0.022	0.022
Hillsborough	20662	Lennar Homes, LLC	R240	G	0.025	0.108	0.108
Hillsborough	20663	Sun City Center West Master Assoc., Inc.	R240	G	0.391	0.573	0.573
Hillsborough	20701	Hillsborough County Associates IV, LLLP	R240	G	0.237	0.183	0.183
Hillsborough	20705	Panther Trace I CDD	R240	G	0.061	0.056	0.056
Hillsborough	20705	Panther Trace I CDD	R240	G	0.055	0.056	0.056
Hillsborough	20911	Riverside Golf Course Comm LLC	R250	G	0.051	0.153	0.153
Hillsborough County Totals					7.575	Metered, mgd	
					2.347	Estimated, mgd, 125 WUPs	
					9.922	Total, mgd	
Lake County Totals		There were no landscape/recreation permittees in Lake County					
Levy	6586	B&G Family Partnership LLLP	R406	G	0.005	0.654	0.012
Levy County Totals					0.005	Metered, mgd	
					0.146	Estimated, mgd, 3 WUPs	
					0.151	Total, mgd	

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	503	J.T. Reeder Partners, LLLP	R240	G	0.000	0.875	0.004
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	R240	G	0.208	0.459	0.216
Manatee	4443	Aquaterra Utilities, Inc	R240	G	0.554	0.600	0.600
Manatee	4507	Greenfield Golf LLC	R250	G	0.259	0.311	0.311
Manatee	4645	Harrison Ranch CDD	R240	G	0.000	0.051	0.051
Manatee	4729	School Board of Manatee County	R240	G	0.004	0.092	0.089
Manatee	5444	Manatee County School District	R245	G	0.011	0.271	0.027
Manatee	5592	River Plantation HOA, Inc	R240	G	0.108	0.122	0.122
Manatee	5617	Medallion Homes	R240	G	0.023	0.332	0.216
Manatee	5656	Waterlefe CDD	R250	G	0.131	0.262	0.262
Manatee	6293	Palm Aire Country Club	R250	G	0.156	0.399	0.399
Manatee	6590	Copperstone Master Assoc, Copperstone Townhome HOA	R240	G	0.034	0.071	0.071
Manatee	7632	Cascades at Sarasota Res Assoc, Inc	R240	G	0.045	0.157	0.157
Manatee	7635	SFTEN, LLC	R240	G	0.000	0.090	0.090
Manatee	7651	City of Bradenton	R250	G	0.000	0.192	0.192
Manatee	7846	Schroeder-Manatee Ranch Inc (Multi-County w Sarasota)	R240	G	4.682	18.238	15.147
Manatee	7846	Schroeder-Manatee Ranch Inc (Multi-County w Sarasota)	R240	S	0.000	18.238	15.147
Manatee	8012	Sara Bay Country Club, Inc	R250	G	0.022	0.152	0.152
Manatee	8012	Sara Bay Country Club, Inc	R250	S	0.215	0.152	0.152
Manatee	8508	Peridia Property Owners Assoc Inc	R250	G	0.092	0.118	0.118
Manatee	8965	River Club Golf, LLC	R250	G	0.185	0.200	0.200
Manatee	9379	Tara Golf & Country Club	R250	G	0.162	0.217	0.217
Manatee	9379	Tara Golf & Country Club	R250	S	0.000	0.217	0.217
Manatee	9808	Woolridge Investment, LLC	R250	G	0.296	0.920	0.920
Manatee	9808	Woolridge Investment, LLC	R250	S	0.092	0.920	0.920
Manatee	10450	The River Wilderness Club, Inc	R250	G	0.002	0.330	0.330
Manatee	11881	Preserve Golf LLC	R250	G	0.138	0.258	0.258

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	12290	Lakeridge Falls Community Association, Inc	R240	G	0.131	0.133	0.133
Manatee	12613	Lakewood Ranch Country Club-West Community Assoc, Inc	R240	G	0.153	0.174	0.174
Manatee	12630	The Concession Golf Club, LLC	R250	G	0.150	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	0.016	0.086	0.086
Manatee	12900	Minto Bradenton, LLC	R240	G	0.095	0.131	0.131
Manatee	13035	Oakleaf Hammock HOA, Inc	R240	G	0.159	0.227	0.227
Manatee	13281	GTIS I VGC, LP / Attn: John Ryan	R240	G	0.000	0.071	0.036
Manatee	13352	North Manatee Investment, LLC/Attn: James Schier	R240	G	0.000	0.446	0.137
Manatee	20088	IMG Academy, LLC	R240	G	0.000	0.072	0.072
Manatee	20269	Upper Manatee 288, LLC	R240	G	0.001	0.195	0.195
Manatee	20498	The Concession Community Association, Inc	R244	G	0.046	0.093	0.093
Manatee	20884	Willow Hammock Community Association, Inc	R240	G	0.052	0.079	0.079
Manatee County Totals					8.222	Metered, mgd	
					1.685	Estimated, mgd, 120 WUPs	
					9.907	Total, mgd	
Marion	2697	Charlotte Weber	R240	G	0.015	1.028	0.180
Marion	5642	Four Seasons Golf, LLC	R250	G	0.135	0.271	0.271
Marion	6674	RLR Investments, LLC	R250	G	0.126	0.265	0.265
Marion	7178	Development & Construction Corp Of America	R250	G	0.045	0.614	0.614
Marion	10266	Pulte Home Company, LLC	R250	G	0.289	0.382	0.382
Marion	10266	Pulte Home Company, LLC	R250	S	0.000	0.382	0.382
Marion	12843	Vikings, LLC	R250	G	0.319	0.304	0.304
Marion	12911	The Club at Ocala Preserve LLC	R250	G	0.170	0.223	0.150
Marion	12966	Stone Creek Community Assoc	R240	G	0.091	0.313	0.313
Marion	12993	Summerglen Owners' Assoc, Inc	R250	G	0.357	0.354	0.354
Marion	20120	Rainbow Springs Club, LLC	R250	G	0.000	0.193	0.193

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 Permitted and Withdrawn Quantities (mgd) on Metered Landscape/Recreation WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to L/R Use Category ⁴
Marion	20121	Rainbow's End Golf Club, Inc	R250	G	0.071	0.102	0.102
Marion	20173	Sidney Colen and Associates LTD	R250	G	0.302	0.522	0.522
Marion County Totals					1.920	Metered, mgd	
					0.775	Estimated, mgd, 29 WUPs	
					2.695	Total, mgd	
Pasco	347	Pasco Investment Land, LLC	R240	G	0.049	0.419	0.419
Pasco	2479	Wiregrass Ranch Inc	R240	G	0.000	0.535	0.000
Pasco	3389	Ace Cheval, Inc	R250	G	0.013	0.077	0.077
Pasco	3389	Ace Cheval, Inc	R250	S	0.000	0.077	0.077
Pasco	4649	Pinellas County Utilities Dept.	R220	G	0.199	0.800	0.800
Pasco	6113	Saddlebrook Resorts, Inc	R250	G	0.272	0.613	0.613
Pasco	6113	Saddlebrook Resorts, Inc	R250	S	0.055	0.613	0.613
Pasco	6129	Florida Fish & Wildlife Conservation Commission	R407	G	0.027	0.269	0.269
Pasco	7672	Pasco Golf Associates, Inc	R250	G	0.157	0.215	0.215
Pasco	7733	The Links Of Lake Bernadette, Inc	R250	G	0.067	0.201	0.201
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	G	0.170	0.219	0.219
Pasco	8561	S & R Development LLC dba Silverado Golf & C C	R250	S	0.185	0.219	0.219
Pasco	8892	Sun TRS Southport Springs LLC	R250	G	0.172	0.180	0.180
Pasco	9525	Lowman Links Inc	R250	G	0.000	0.047	0.047
Pasco	9967	Pasco Office Park LLC	R250	G	0.000	0.352	0.352
Pasco	10039	Fox Hollow Golf, LLC	R250	G	0.041	0.175	0.175
Pasco	10366	Seven Springs Golf & Country Club, Inc	R250	G	0.042	0.133	0.133
Pasco	10447	Goldenranch Property, LLC / Attn: John M. Ryan	R244	G	0.025	0.131	0.131
Pasco	10870	Betmar Acres Club, Inc.	R250	G	0.098	0.155	0.155
Pasco	11558	Pinellas County Utilities Dept.	R220	G	1.332	1.343	1.343
Pasco	11589	Lex-Oaks Golf 54 LLC	R250	G	0.000	0.183	0.183
Pasco	11650	Heritage Pines Community Assoc Inc	R250	G	0.022	0.067	0.067

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	11773	Little Everglades Ranch Inc	R245	G	0.018	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	0.500	0.640	0.640
Pasco	11898	Pasco County School Board	R240	G	0.066	0.094	0.094
Pasco	11913	Heritage Springs Comm Assoc, Inc	R250	G	0.013	0.250	0.250
Pasco	12044	The Groves CDD	R250	G	0.000	0.184	0.184
Pasco	12346	La Hacienda Del Cielo LLC	R240	G	0.000	0.164	0.010
Pasco	12754	Waters Edge CDD District/Attn: Joe Roethke, Manager	R244	G	0.009	0.249	0.249
Pasco	12784	Order of Saint Benedict of Florida	R250	G	0.023	0.143	0.131
Pasco	13247	Hometown Highlands Florida LLC	R250	G	0.001	0.260	0.260
Pasco County Totals					3.559	Metered, mgd	
					0.707	Estimated, mgd, 37 WUPs	
					4.266	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	Belleview Biltmore Country Club	R250	G	0.066	0.100	0.100
Pinellas	708	Belleview Biltmore Country Club	R250	S	0.000	0.100	0.100
Pinellas	1155	Salamander Innisbrook LLC	R240	G	0.003	0.174	0.174
Pinellas	2731	City of Largo Largo Golf Course	R250	G	0.005	0.045	0.045
Pinellas	3707	Bayou Golf, LLC	R250	G	0.428	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	0.164	0.215	0.215
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	G	0.000	0.192	0.129
Pinellas	7362	Pinellas Co. Parks & Conservation Department	R240	S	0.000	0.192	0.129
Pinellas	7437	Clubcorp Golf Of Florida LLC	R250	G	0.145	1.300	1.300
Pinellas	7437	Clubcorp Golf Of Florida LLC	R250	S	0.512	1.300	1.300

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	8142	Sylvan Abbey Memorial Park	R230	G	0.126	0.157	0.157
Pinellas	8959	Homeowners Assoc of Highland Lakes, Inc	R250	G	0.000	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	0.194	0.268	0.268
Pinellas	9551	Ace Wentworth, Inc.	R250	G	0.060	0.191	0.191
Pinellas	9670	Ace Crescent Oaks, Inc	R250	G	0.314	0.345	0.345
Pinellas	10318	Homeowners of Palm Hill Inc.	R244	G	0.038	0.149	0.149
Pinellas	10646	Olympia Invest. Group LLC and SHS Resort LLC	R412	G	0.006	0.040	0.004
Pinellas	10732	Lansbrook Golf, LLC	R250	G	0.000	0.323	0.323
Pinellas	10882	Pinellas County	R245	S	0.005	0.034	0.034
Pinellas	11816	Clearwater Golf Assoc Inc	R250	G	0.162	0.152	0.152
Pinellas	20030	Premier Club Holdings, LLC	R250	S	0.193	0.257	0.257
Pinellas County Totals					2.422	Metered, mgd	
					0.991	Estimated, mgd, 35 WUPs	
					3.413	Total, mgd	
Polk	143	Mountain Lake Corp	R220	G	1.047	3.294	2.565
Polk	1247	D Course Development, LLC	R250	G	0.247	0.255	0.255
Polk	1625	Four Lakes Golf Club Ltd	R250	G	0.123	0.391	0.147
Polk	3731	Five Star Family Growers, LLC	R240	G	0.000	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	0.191	0.267	0.267
Polk	4658	City of Lake Wales	R245	G	0.012	3.903	0.018
Polk	4698	Bok Tower Gardens Foundation Inc	R260	G	0.126	0.204	0.204
Polk	5251	Grenelefe Resort Utility, Inc	R250	G	0.470	0.963	0.486
Polk	5524	Highland Florida Golf Resort Land Trust	R250	G	0.001	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	0.309	0.313	0.307

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	6155	4 Seasons Golf Resort, LLC	R250	G	0.000	0.166	0.166
Polk	6155	4 Seasons Golf Resort, LLC	R250	S	0.000	0.166	0.166
Polk	7187	CHC VII LTD Century Realty Fund	R250	G	0.063	0.284	0.091
Polk	7187	CHC VII LTD Century Realty Fund	R250	S	0.000	0.284	0.091
Polk	7328	Carefree Rv Country Club Of Winter Haven Inc	R250	G	0.043	0.131	0.052
Polk	7489	Merlin Entertainment Group Florida LLC	R240	G	0.095	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	0.159	0.192	0.192
Polk	8466	Floral Lakes Homeowners Association, Inc	R210	G	0.000	0.041	0.041
Polk	8467	City of Lakeland	R250	G	0.165	0.227	0.227
Polk	8472	Cypress Lakes Associates LTD	R250	G	0.025	0.152	0.152
Polk	8553	John G. Wood & Associates Inc	R250	G	0.094	0.269	0.269
Polk	8565	Imperial Lakes Land Corp	R250	G	0.001	0.337	0.337
Polk	8967	Sweetwater Community Inc	R250	G	0.031	0.141	0.038
Polk	9007	Osprey Links Golf Course, LLC & Osprey Links, LLC	R250	G	0.059	0.131	0.131
Polk	9123	Carlton Arms Of Lakeland	R240	G	0.000	0.019	0.019
Polk	9234	City Of Bartow	R250	G	0.166	0.155	0.155
Polk	9961	Grasslands Golf & Country Club, Inc	R250	G	0.098	0.285	0.285
Polk	9961	Grasslands Golf & Country Club, Inc	R250	S	0.136	0.285	0.285
Polk	9985	ABT Holdings, LLC	R250	G	0.040	0.284	0.284
Polk	10392	Milmack, Inc	R250	G	0.236	0.266	0.266
Polk	10559	Polk Co BOCC	R245	G	0.066	0.106	0.106
Polk	10656	Stephen J. Fox, LLC	R240	G	0.001	0.120	0.004
Polk	10826	Publix Super Markets Inc	R250	G	0.000	0.251	0.251
Polk	10826	Publix Super Markets Inc	R250	S	0.248	0.251	0.251
Polk	11693	City of Lakeland Parks and Recreation Dept	R230	G	0.088	0.176	0.159
Polk	12172	Lake Ashton Golf Club LTD	R250	G	0.143	0.248	0.248

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	12446	C. C. Calhoun, Inc	R240	G	0.013	0.161	0.016
Polk	12636	The Country Club of Winter Haven, Inc	R250	G	0.052	0.122	0.122
Polk	12652	Highlands Reserve LLC	R250	G	0.012	0.050	0.050
Polk	12689	Southern Dunes Golf & Country Club Inc	R250	G	0.003	0.117	0.117
Polk	12832	Lake Ashton Development Golf Club II, LTD	R250	G	0.125	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	0.364	1.063	1.063
Polk County Totals					5.052	Metered, mgd	
					2.108	Estimated, mgd, 157 WUPs	
					7.160	Total, mgd	
Sarasota	3872	The Ranch Land Operations, LLLP	R240	G	0.245	2.49	2.489
Sarasota	3897	D. R. Horton, Inc	R240	G	0.000	0.099	0.099
Sarasota	3941	Mission Valley Golf & Country Club, Inc	R250	G	0.086	0.246	0.246
Sarasota	5385	Merriwater Golf, LLC	R250	G	0.000	0.196	0.196
Sarasota	5517	Capri Isles Golf Inc	R250	G	0.002	0.019	0.019
Sarasota	5648	Gator Creek Golf Club Inc	R250	G	0.001	0.104	0.104
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	G	0.091	0.362	0.202
Sarasota	5807	Camelot Lakes - Venure I, LLC	R240	S	0.117	0.362	0.202
Sarasota	6364	The Plantation Management Association, Inc	R250	G	0.160	1.214	1.214
Sarasota	6364	The Plantation Management Association, Inc	R250	S	0.216	1.214	1.214
Sarasota	6770	Oaks Bayside HOA, Inc	R240	G	0.015	0.166	0.166
Sarasota	6863	L B 500, LLC, dba Longboat Key Club	R250	G	0.159	0.289	0.289
Sarasota	6954	The Oaks Club Corp	R250	G	0.200	0.475	0.475
Sarasota	7448	SNF Property LLC	R411	G	0.013	0.186	0.021
Sarasota	7846	Schroeder-Manatee Ranch Inc (Multi-County w Manatee)	R250	G	0.453	0.245	0.245
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	0.023	0.063	0.063

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	8109	The Preserve at Misty Creek HOA, Inc	R250	G	0.000	0.125	0.125
Sarasota	8398	Grosvenor Square Capital LLC	R250	G	0.157	0.178	0.178
Sarasota	8782	Tatum Ridge Golf Links, Inc	R250	G	0.005	0.183	0.183
Sarasota	8819	Boca Royale Golf & Country Club, Inc	R250	G	0.037	0.099	0.099
Sarasota	8900	Meadows Country Club Inc	R250	G	0.138	0.144	0.144
Sarasota	9114	Sorrento Valley Golf Inc	R250	G	0.075	0.230	0.230
Sarasota	9517	Laurel Oak Country Club	R250	G	0.162	0.132	0.132
Sarasota	9667	Lex Pelican LP	R250	G	0.288	0.264	0.264
Sarasota	9839	Venice Golf & Country Club Ltd	R250	G	0.051	0.254	0.254
Sarasota	10407	Serenoa Holdings, LLC	R250	G	0.201	0.275	0.275
Sarasota	10606	LB 500, LLC, dba Longboat Key Club	R250	G	0.292	0.427	0.427
Sarasota	10823	Calusa Lakes Community Assoc Inc	R240	G	0.299	0.387	0.387
Sarasota	10877	Stoneybrook Golf & Country Club of Sarasota, Inc	R250	G	0.168	0.245	0.245
Sarasota	10880	Southbay Yacht & Racquet Club Owner's Assoc, Inc	R240	G	0.171	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	0.077	0.293	0.293
Sarasota	11638	Marsh Creek Holdings, LTD	R250	G	0.000	0.451	0.451
Sarasota	11699	Cloud Ten! Marketing Group, LLC	R250	G	0.038	0.276	0.276
Sarasota	11871	City Of Venice	R250	G	0.143	0.160	0.160
Sarasota	12075	WCI Communities, Inc	R240	G	0.223	0.408	0.408
Sarasota	12145	Village Walk of Sarasota HOA, Inc	R240	G	0.000	0.184	0.184
Sarasota	12177	Boca Royale Golf, Inc	R240	G	0.227	0.213	0.213
Sarasota	12275	Mote Marine Laboratory, Inc	R406	G	0.000	0.155	0.001
Sarasota	12275	Mote Marine Laboratory, Inc	R406	S	0.000	0.155	0.001
Sarasota	12555	LALP Lots I, LLC	R240	S	0.201	0.235	0.235
Sarasota	12590	Aquaterra Utilities Inc	R240	G	0.127	0.255	0.255
Sarasota	12634	Venetian Falls HOA Inc	R240	G	0.070	0.157	0.157

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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	12645	Resource Conservation of Sarasota, LLC	R240	G	0.210	0.519	0.519
Sarasota	12750	Ventura Village HOA Inc	R240	G	0.043	0.087	0.087
Sarasota	12759	Panacea Gulf Coast Investments, LLC	R240	G	0.254	0.476	0.476
Sarasota	12772	Divosta Homes LP	R240	S	0.716	0.700	0.700
Sarasota	13347	Dept Of Veterans Affairs	R230	G	0.050	0.343	0.343
Sarasota	20403	Sandhill Preserve Property Owners' Assoc, Inc	R240	G	0.001	0.050	0.050
Sarasota	20546	Neal Communities of Southwest Florida, LLC	R240	G	0.136	0.226	0.226
Sarasota	20546	Neal Communities of Southwest Florida, LLC	R240	S	0.000	0.226	0.226
Sarasota	20591	DiVosta Homes LP	R240	G	0.022	0.128	0.128
Sarasota	20643	Taylor Morrison of Florida, Inc	R240	G	0.052	0.06	0.06
Sarasota	20816	Taylor Morrison of Florida, Inc	R240	G	0.019	0.280	0.280
Sarasota County Totals					6.433	Metered, mgd	
					1.377	Estimated, mgd, 110 WUPs	
					7.810	Total, mgd	
Sumter	2622	Continental Country Club R.O. Inc	R250	G	0.171	0.212	0.212
Sumter	3206	Villages Operating Company	R250	G	0.398	0.616	0.616
Sumter	6793	Rainforest Rv Inc	R250	G	0.118	0.224	0.193
Sumter	8675	Dept Of Veterans Affairs	R240	G	0.090	0.816	0.816
Sumter	10923	Spruce Creek Golf LLC	R250	G	0.318	0.164	0.164
Sumter	11566	The Villages of Lake-Sumter Inc	R245	G	0.039	0.093	0.093
Sumter	11624	Village CDD 2	R240	G	0.020	0.077	0.077
Sumter	11778	Village Center CDD	R250	G	0.000	0.040	0.040
Sumter	13005	Village Center CDD	R250	G	0.910	19.346	1.347
Sumter	13123	Loan Portfolio Solutions, LLC	R244	G	0.027	0.114	0.054
Sumter	20687	Southeast Wildwood Water Conservation Authority	R250	G	0.776	4.706	4.706

2020 ESTIMATED WATER USE REPORT

Table A-5. 2020 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 County Totals					2.868	Metered, mgd	
					0.189	Estimated, mgd, 9 WUPs	
					3.057	Total, mgd	
District Totals					46.153	Metered, mgd	
					13.146	Estimated, mgd	
					59.299	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.

2020 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.

2020 ESTIMATED WATER USE REPORT

Table A-6. 2020 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	2.013	1.933	3.316	2.253	2.485	1.834	1.993	1.252	1.038	1.633	1.725	1.519
Citrus	2.863	3.102	4.110	3.085	4.165	4.062	3.268	3.110	3.143	3.690	2.849	2.089
Desoto	0.121	0.171	0.271	0.269	0.216	0.175	0.184	0.136	0.065	0.169	0.138	0.099
Hardee	0.133	0.156	0.183	0.163	0.161	0.126	0.132	0.093	0.071	0.109	0.111	0.077
Hernando	3.171	2.934	4.384	3.795	4.476	3.807	3.262	2.661	2.146	3.266	2.994	2.395
*Highlands	1.851	2.387	3.124	3.185	2.255	2.276	2.263	1.878	2.065	1.295	1.654	1.403
Hillsborough	7.437	8.521	13.895	13.280	17.338	9.852	12.111	7.752	6.370	8.206	8.182	6.127
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.115	0.140	0.232	0.208	0.242	0.171	0.166	0.107	0.087	0.132	0.118	0.090
Manatee	8.312	8.974	13.579	15.848	11.555	9.704	11.125	6.334	6.557	7.283	8.961	5.681
*Marion	2.109	2.475	3.949	3.818	4.889	3.663	2.402	1.961	1.655	2.164	1.802	1.453
Pasco	2.448	3.235	6.282	4.583	5.394	5.858	5.260	4.096	3.795	4.036	3.525	2.686
Pinellas	3.371	3.135	4.907	4.405	5.252	3.762	3.925	2.837	1.529	2.524	2.968	2.345
*Polk	6.576	9.783	11.653	10.739	10.318	6.550	6.164	4.802	4.046	5.935	5.090	4.261
Sarasota	7.011	7.492	10.794	10.074	9.253	7.042	8.059	7.094	3.947	6.239	6.813	4.463
Sumter	2.169	2.116	5.154	4.657	6.711	3.233	2.470	1.986	1.583	2.643	2.374	1.584
District Total	49.700	56.554	85.833	80.362	84.710	62.115	62.784	46.099	38.097	49.324	49.304	36.272
Groundwater	45.144	52.193	75.913	73.023	75.885	55.846	56.019	40.648	35.561	45.122	45.084	32.601
Surface Water	4.556	4.361	9.920	7.339	8.825	6.269	6.765	5.451	2.536	4.202	4.220	3.671

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

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

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Charlotte	608	Bryan Paul, Inc	A415	G	0.000	0.115	0.115
Charlotte	608	Bryan Paul, Inc	A415	S	0.000	0.115	0.115
Charlotte	1019	Ryals Citrus & Cattle Co (Multi County w DeSoto)	A470	G	0.000	0.316	0.316
Charlotte	1117	James Bickett	A415	G	0.181	2.316	2.316
Charlotte	1117	James Bickett	A415	S	0.056	2.316	2.316
Charlotte	1759	Probitas Enterprises LLC	A57F	G	0.000	2.461	2.461
Charlotte	1759	Probitas Enterprises LLC	A57F	S	0.234	2.461	2.461
Charlotte	2588	Kelly Family Holdings LLC	A451	G	0.624	1.044	0.866
Charlotte	2593	Charlotte 650 LLC	A415	G	0.000	0.524	0.524
Charlotte	2593	Charlotte 650 LLC	A415	S	0.000	0.524	0.524
Charlotte	2689	East Charlotte Drainage District	A415	G	1.000	2.767	2.748
Charlotte	2689	East Charlotte Drainage District	A415	S	0.636	2.767	2.748
Charlotte	3275	Chapman Family Partnership LLLP (Multi County w DeSoto)	A415	G	0.184	1.102	1.102
Charlotte	3275	Chapman Family Partnership LLLP (Multi County w DeSoto)	A415	S	0.000	1.102	1.102
Charlotte	4217	The Five Cross Land Trust	A490	G	0.000	0.199	0.199
Charlotte	4589	Hudson Land & Cattle, LLC	A470	G	0.000	0.648	0.648
Charlotte	4606	Spanish Trail Land & Cattle Company (Multi County w DeSoto)	A525	G	0.023	3.280	3.280
Charlotte	4606	Spanish Trail Land & Cattle Company (Multi County w DeSoto)	A525	S	0.000	3.280	3.280
Charlotte	5936	Schwartz Charlotte Grove Properties, LLC	A495	G	0.374	1.001	1.001
Charlotte	6569	Kent C. Connell	A525	G	0.000	0.142	0.142
Charlotte	7240	Iowa International Inv Inc	L600	G	0.003	0.002	0.002
Charlotte	8224	Spanish Trail Land & Cattle Company (Multi County w DeSoto)	A56S	G	0.018	2.534	2.534
Charlotte	8388	George M. Davis, Jr. and Christina Davis	A415	G	0.000	0.170	0.170
Charlotte	9052	Ben Hill Griffin, Inc	A415	G	0.004	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	0.496	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	0.310	0.679	0.679

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	9648	Thomas W. Beddard Revocable Trust	A56F	G	0.399	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	0.130	0.461	0.461
Charlotte	10726	JDI Farms Inc	A56F	G	0.000	0.402	0.402
Charlotte	10726	JDI Farms Inc	A56F	S	0.000	0.402	0.402
Charlotte	10874	Charlotte Florida Partnership	A415	G	0.372	0.221	0.221
Charlotte	11715	Coral Creek Burnt Store, LLC	A490	G	0.000	0.240	0.240
Charlotte	11982	Bethel Farms LLLP	A525	G	0.543	0.902	0.902
Charlotte	12541	Battista Farms SR 31 Real Property, LLC	A525	G	0.000	0.433	0.433
Charlotte	12541	Battista Farms SR 31 Real Property, LLC	A525	S	0.023	0.433	0.433
Charlotte	13096	Chastain Family, LLC	A415	G	0.000	0.493	0.493
Charlotte	13349	Ryals Citrus & Cattle, LLC	A525	G	0.408	0.499	0.499
Charlotte	20053	Hudson Hammocks, LLC and JMH Trust	A470	G	0.007	0.363	0.363
Charlotte	20204	Thomas Chastain	A470	G	0.000	0.260	0.260
Charlotte	20902	Brevard-Harbor Edge, LLC	A57F	G	0.000	1.694	1.694
Charlotte	20902	Brevard-Harbor Edge, LLC	A57F	S	0.414	1.694	1.694
Charlotte County Totals					6.439	Metered, mgd	
					0.686	Estimated, mgd, 25 WUPs	
					7.125	Total, mgd	
Citrus	12288	M & B Products Inc	A455	G	0.286	0.497	0.497
Citrus County Totals					0.286	Metered, mgd	
					1.367	Estimated, mgd, 41 WUPs	
					1.653	Total, mgd	
DeSoto	164	Citrus Pride Inc	A415	G	0.232	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	0.007	0.261	0.261
DeSoto	897	Sorrells Groves, Inc	A415	G	0.098	0.448	0.448
DeSoto	940	James Bickett	A415	G	0.085	0.330	0.330

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
DeSoto	1020	Ryals Citrus and Cattle Co. and Ann Ryals	A470	G	0.077	0.330	0.330
DeSoto	1048	A & A Blueberry, LLC	A410	G	0.036	0.204	0.204
DeSoto	1176	Constructora Limonar, LLC	A415	G	0.030	0.102	0.102
DeSoto	1240	QC Desoto Grove Ventures, LLC	A415	G	0.049	0.075	0.075
DeSoto	1379	Robert Brewer, Lenora Brewer, James Brewer	A415	G	0.041	0.099	0.099
DeSoto	1381	Sorrells Of Manatee Inc	A415	G	0.054	0.163	0.163
DeSoto	1384	Sorrells Groves, Inc	A415	G	0.026	0.107	0.107
DeSoto	1389	Sorrells Groves, Inc	A415	G	0.005	0.147	0.147
DeSoto	1391	Down South Blues Corp	A410	G	0.072	0.118	0.118
DeSoto	1568	Turner Land & Cattle, LLP	A415	G	0.000	0.181	0.181
DeSoto	1635	Bethel Farms, LLLP	A525	G	2.225	3.015	3.015
DeSoto	1687	Cary Mike Mercer & Eugene H Jr & Jane Turner	A415	G	0.000	0.089	0.089
DeSoto	1711	Sunny South Packing Company	A415	G	0.079	0.239	0.239
DeSoto	1719	Sunny South Packing Company	A415	G	0.067	0.174	0.174
DeSoto	1722	Sunny South Packing Company	A415	G	0.047	0.079	0.079
DeSoto	1723	Sunny South Packing Company	A415	G	0.148	0.369	0.369
DeSoto	1754	L.I. Smith Trustee	A415	G	0.000	0.114	0.114
DeSoto	1755	V C Hollingsworth Sr Estate	A415	G	0.070	0.174	0.174
DeSoto	1766	Hollingsworth Grove Properties LLC	A415	G	0.026	0.059	0.059
DeSoto	1771	Diner Citrus and Cattle Company	A415	G	0.005	0.143	0.143
DeSoto	1774	Sunny South Packing Company	A415	G	0.054	0.080	0.080
DeSoto	2193	Phillip W Turner Family Partnership LTD	A490	G	0.530	3.802	3.802
DeSoto	2240	Eugene H Turner Family Partnership, LTD	A415	G	0.119	0.230	0.230
DeSoto	2386	Joshua Water Control District	A415	G	10.985	14.132	14.132
DeSoto	2390	Alfred G & Mary J Parker	A490	G	0.063	0.265	0.265
DeSoto	2418	Island Grove, LLC	A410	G	0.001	0.091	0.091
DeSoto	2665	M and V, LLC	A415	G	0.006	0.677	0.677
DeSoto	2703	VCH Citrus, LLC	A415	G	0.249	0.499	0.499

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	2740	Eugene H. Turner as the Trustee	A415	G	0.181	0.538	0.538
DeSoto	2790	VCH Citrus, LLC	A415	G	0.097	0.136	0.136
DeSoto	2906	Eugene H Turner Family Partnership, LTD	A416	G	0.039	0.119	0.119
DeSoto	3069	QC Desoto Grove Ventures, LLC	A415	G	0.089	0.498	0.498
DeSoto	3216	T & T Environmental, LLC	A415	G	0.089	0.285	0.285
DeSoto	3275	Chapman Family Partnership LLLP (Multi County w Charlotte)	A415	G	0.064	1.102	1.102
DeSoto	3275	Chapman Family Partnership LLLP (Multi County w Charlotte)	A415	S	0.208	1.102	1.102
DeSoto	3320	Bickett Holdings, LLC	A415	G	0.006	0.018	0.018
DeSoto	3322	Sorrells Groves, Inc	A415	G	0.016	0.081	0.081
DeSoto	3474	John Parker, Jr	A415	G	0.000	0.092	0.092
DeSoto	4396	Sorrells Groves, Inc	A415	G	0.155	0.154	0.154
DeSoto	4606	Spanish Trail Land & Cattle Comp. (Multi County w Charlotte)	A525	G	0.042	3.280	3.280
DeSoto	4606	Spanish Trail Land & Cattle Comp. (Multi County w Charlotte)	A525	S	0.000	3.280	3.280
DeSoto	4641	Florida Power & Light Company	A415	G	0.087	1.167	1.167
DeSoto	4726	Ridgeback Grove LLC	A415	G	0.111	0.171	0.171
DeSoto	4806	Sorrells Groves, Inc	A415	G	0.043	0.248	0.248
DeSoto	4899	Spanish Trail Land & Cattle Company, LLC	L632	G	0.128	0.352	0.352
DeSoto	5060	Charlee LLC	A470	G	0.406	2.203	2.203
DeSoto	5305	Mercer's Mens & Western Store, Inc	A415	G	0.082	0.206	0.206
DeSoto	5875	Bickett Holdings, LLC	A415	G	0.213	0.770	0.770
DeSoto	5951	Dan Shelfer and Carolyn Shelfer Trust	A415	G	0.055	0.134	0.134
DeSoto	6064	James D. Brewer, James R. Brewer & Robert C. Brewer	A415	G	0.034	0.129	0.129
DeSoto	6122	VCH Holdings, LLC	A415	G	0.111	0.247	0.247
DeSoto	6274	West Vero Farms, LLC	A415	G	0.000	0.523	0.523
DeSoto	6274	West Vero Farms, LLC	A415	S	0.000	0.523	0.523
DeSoto	6275	West Vero Farms, LLC	A415	G	0.000	0.876	0.876
DeSoto	6275	West Vero Farms, LLC	A415	S	0.000	0.876	0.876
DeSoto	6410	Charles Harrison	A415	G	0.069	0.110	0.110

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	6411	Justin Blomberg, Trustee of the DeSoto 293 Land Trust	A415	G	0.218	0.227	0.227
DeSoto	6669	QC Desoto Grove Ventures, LLC	A415	G	0.991	1.655	1.655
DeSoto	6669	QC Desoto Grove Ventures, LLC	A415	S	0.225	1.655	1.655
DeSoto	6765	QC Hancock Grove, LLC	A415	G	0.251	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	0.253	0.428	0.428
DeSoto	6872	Tippen Bay Properties, LLLP	A415	G	0.465	1.585	1.585
DeSoto	6872	Tippen Bay Properties, LLLP	A415	S	0.000	1.585	1.585
DeSoto	6915	James D. Brewer & Robert C. Brewer (Multi County w Manatee)	A415	G	0.112	1.228	1.228
DeSoto	6968	James D & Robert C Brewer	A495	G	0.000	1.099	1.099
DeSoto	7047	E & D Ranch LLP	A495	G	0.000	0.107	0.107
DeSoto	7236	John K Johnson & H L Johnson Family Limited Partnership	A525	G	0.045	0.443	0.443
DeSoto	7262	Sorrells Groves, Inc	A415	G	0.042	0.088	0.088
DeSoto	7269	Michael Boran	A525	G	0.000	0.931	0.931
DeSoto	7290	James D. Brewer & E. Coleman Brewer	A415	G	0.162	0.307	0.307
DeSoto	7291	VCH Citrus LLC and VC Hollingsworth Sr	A415	G	0.086	0.117	0.117
DeSoto	7292	Charles Harrison	A415	G	0.032	0.080	0.080
DeSoto	7331	Justin Blomberg, Trustee	A525	G	0.282	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	0.052	0.122	0.122
DeSoto	7462	Michael A. & Julie M. Walton	A525	G	0.056	1.246	1.246
DeSoto	7462	Michael A. & Julie M. Walton	A525	S	0.000	1.246	1.246
DeSoto	7535	Bickett Farms	A415	G	0.309	1.055	1.055
DeSoto	7748	4 F, LLC	L632	G	0.126	0.479	0.479
DeSoto	7748	4 F, LLC	L632	S	0.000	0.479	0.479
DeSoto	7775	Sorrells Groves, Inc	A415	G	0.030	0.132	0.132
DeSoto	7783	Southeast Groves, LLC	A415	G	0.006	0.456	0.456
DeSoto	7783	Southeast Groves, LLC	A415	S	0.189	0.456	0.456

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	7854	Sunny Future, LLC	A415	G	0.107	0.137	0.137
DeSoto	7870	Sorrells Groves, Inc	A415	G	0.149	0.197	0.197
DeSoto	7957	Turner Groves Citrus Limited Partnership	A415	G	2.726	3.170	3.170
DeSoto	8154	Emerald Packing Company Inc	A415	G	0.042	0.071	0.071
DeSoto	8155	7 Mile Marine Center, Inc	A58S	G	0.000	0.149	0.149
DeSoto	8159	Sue G Parker, Trustee	A415	G	0.000	0.180	0.180
DeSoto	8224	Spanish Trail Land & Cattle Comp. (Multi County w Charlotte)	A56S	G	0.018	2.534	2.534
DeSoto	8287	QC Desoto Grove Ventures, LLC	A415	G	0.132	0.180	0.180
DeSoto	8348	William Head	A470	G	0.158	0.470	0.470
DeSoto	8436	RCB Desoto, LLC	A415	G	0.036	0.090	0.090
DeSoto	8480	QC Desoto Grove Ventures, LLC	A415	G	1.157	1.267	1.267
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	G	1.516	4.356	4.356
DeSoto	8566	Eugene H Turner Family Partnership, LTD	A470	S	0.000	4.356	4.356
DeSoto	8660	Desoto 451 Land Trust	A415	G	0.297	0.354	0.354
DeSoto	8670	Citrus Pride, Inc	A415	G	0.041	0.241	0.241
DeSoto	8757	Southeast Groves, LLC	A415	G	0.231	0.464	0.464
DeSoto	8801	Robert C and Lenora P Brewer	A415	G	0.057	0.103	0.103
DeSoto	8860	VCH Holdings, LLC	A415	G	0.245	0.504	0.504
DeSoto	8935	VCH Holdings, LLC	A415	G	0.046	0.131	0.130
DeSoto	8985	Southeast Groves, LLC	A415	G	1.620	3.109	3.109
DeSoto	9031	Sorrells Groves Inc	A415	G	0.034	0.118	0.118
DeSoto	9073	Diaz Family Properties, LLC	L661	G	0.108	0.325	0.325
DeSoto	9127	Sunriver Citrus Florida LLC	A415	G	0.010	0.350	0.350
DeSoto	9154	QC Standby 5, LLC	A415	G	0.227	0.397	0.397
DeSoto	9185	QC Desoto Grove Ventures, LLC	A415	G	0.339	0.382	0.382
DeSoto	9226	PH Citrus, LLC	A535	G	0.309	2.013	2.013
DeSoto	9279	Sorrells Groves, Inc	A415	G	0.048	0.084	0.084
DeSoto	9373	QC Far Lo Grove, LLC	A415	G	0.049	0.123	0.123

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	9441	L.I. Buddy Smith	A415	G	0.000	0.035	0.035
DeSoto	9469	Sorrells Groves, Inc	A415	G	0.011	0.168	0.168
DeSoto	9478	Michael Boran	A525	G	0.000	0.954	0.954
DeSoto	9492	West Vero Farms, LLC	A415	G	0.000	0.253	0.253
DeSoto	9492	West Vero Farms, LLC	A415	S	0.114	0.253	0.253
DeSoto	9567	L.I. Smith	A415	G	0.145	0.291	0.291
DeSoto	9571	Barben Group	A415	G	0.144	0.160	0.160
DeSoto	9715	James D and Robert C Brewer	A415	G	0.104	0.166	0.166
DeSoto	9716	Island Grove LLC	A410	G	0.095	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	0.072	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	0.663	1.831	1.831
DeSoto	9782	Peace Valley Groves, Inc	A415	G	0.328	0.648	0.648
DeSoto	9789	4V Ranch & Grove, LLC	A415	G	0.007	0.079	0.079
DeSoto	9933	J.W. Crews, Jr., JDM Partnership	A415	G	0.022	0.074	0.074
DeSoto	10067	QC Desoto Grove Ventures, LLC	A415	G	0.094	0.117	0.117
DeSoto	10233	Charles T. and Gina M. Adams, Co-Trustees of Adams Trust	A490	G	0.000	0.117	0.117
DeSoto	10379	M & R Groves Inc	A410	G	0.082	0.159	0.159
DeSoto	10553	James D & E Coleman Brewer	A415	G	0.000	0.128	0.128
DeSoto	10719	Phillip W Turner Family Partnership LTD	A416	G	0.149	0.281	0.281
DeSoto	10722	Alico, Inc	A415	G	4.854	5.147	5.147
DeSoto	10892	L.I. Buddy Smith	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	0.118	0.201	0.201
DeSoto	11017	QC Desoto Grove Ventures, LLC	A415	G	0.099	0.123	0.123
DeSoto	11124	Dimare Ruskin #2 LLC	A56F	G	0.710	2.259	2.259
DeSoto	11201	Sorrells Groves, Inc	A415	G	0.043	0.184	0.184

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	11202	Sorrells Groves, Inc	A415	G	0.043	0.112	0.112
DeSoto	11256	Esther Fuhrer	A470	G	0.000	0.231	0.231
DeSoto	11665	4 N 1 Grove LLC	A415	G	0.146	0.271	0.271
DeSoto	11718	Bermont Properties LLC	A415	G	0.097	0.151	0.151
DeSoto	12004	Board of Trustees Internal Improvement Trust Fund	A57F	G	0.061	0.174	0.174
DeSoto	12179	Owens Enterprises, Inc	A470	G	0.000	0.191	0.190
DeSoto	12195	CB Landholdings II LLC	A415	G	0.084	0.287	0.287
DeSoto	12253	Citrus Grove Inc	A415	G	0.061	0.155	0.155
DeSoto	12391	James Bickett	A490	G	0.174	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	0.009	0.131	0.131
DeSoto	12814	Llano Partners, Ltd	A470	G	0.000	1.749	1.749
DeSoto	12818	Island Grove LLC	A410	G	0.108	0.194	0.194
DeSoto	12866	VCH Citrus LLC	A415	G	0.145	0.199	0.199
DeSoto	12875	QC Desoto Grove Ventures, LLC	A415	G	0.202	0.207	0.207
DeSoto	13002	Wheeler Farms, Inc	A416	G	0.000	0.076	0.076
DeSoto	13370	Jack Paul Properties Inc	A415	G	0.000	1.478	1.478
DeSoto	13370	Jack Paul Properties Inc	A415	S	0.000	1.478	1.478
DeSoto	20285	RCB DESOTO, LLC	A415	G	0.011	0.149	0.149
DeSoto	20554	French Golden Gate, LLC	A58S	G	0.000	2.320	2.320
DeSoto	20664	North Joshua Grove, LLC	A415	G	0.129	0.861	0.861
DeSoto	20703	Optimum Ranch Florida, LLC	A58S	G	0.523	2.415	2.415
DeSoto County Totals					41.092	Metered, mgd	
					6.551	Estimated, mgd, 278 WUPs	
					47.643	Total, mgd	
Hardee	51	Altos Rock, LLC	A410	G	0.145	0.217	0.217
Hardee	52	H. Shawn and Zenybie Pollard	A410	G	0.117	0.244	0.244
Hardee	56	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.000	0.097	0.097

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	131	Ballantyne Groves, Inc	A415	G	0.019	0.091	0.091
Hardee	455	L & J Citrus and Cattle, LLC	A415	G	0.053	0.069	0.069
Hardee	456	Barlow Family Partnership	A415	G	0.004	0.115	0.115
Hardee	480	Johnson-Hardee Holdings, LLC	A415	G	0.052	0.131	0.131
Hardee	527	Stephen M & Jennifer S Palmer	A415	G	0.086	0.259	0.259
Hardee	558	Chapman Family Partnership, LLLP	A415	G	0.094	0.102	0.102
Hardee	560	Pam Groves, LLC	A415	G	0.000	0.085	0.085
Hardee	614	Picnic Block Holdings, Inc	A415	G	0.076	0.143	0.143
Hardee	690	Gerald J McLean, Trustee	A415	G	0.000	0.194	0.194
Hardee	775	SLB&B of Wauchula, LLC	A415	G	0.042	0.088	0.088
Hardee	784	Mosaic Fertilizer, LLC	A415	G	0.093	0.339	0.339
Hardee	785	Mosaic Fertilizer, LLC	A415	G	0.388	1.185	1.185
Hardee	834	Lanier Ranch & Grove, Inc	A56S	G	0.000	0.192	0.192
Hardee	1088	John and Josephine Beck	A415	G	0.025	0.086	0.086
Hardee	1102	Peace River Investments Of Wauchula, LLC	A415	G	0.026	0.114	0.114
Hardee	1103	Burton-Bostick Groves, Inc	A415	G	0.083	0.144	0.144
Hardee	1148	Paul Mislevy Living Trust	A415	G	0.070	0.189	0.189
Hardee	1242	Barben Group	A415	G	0.235	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	0.099	0.162	0.162
Hardee	1283	J W Crews Jr	A415	G	0.026	0.112	0.112
Hardee	1324	Mosaic Fertilizer, LLC	A416	G	0.020	0.061	0.061
Hardee	1339	Ronald F. and Sharon D. Moye	A415	G	0.000	0.086	0.086
Hardee	1454	Crewsville Groves LLC	A415	G	0.810	0.955	0.955
Hardee	1472	Margaret Henderson	A415	G	0.034	0.152	0.152
Hardee	1576	W & S Duncan Limited Partnership	A415	G	0.052	0.131	0.131
Hardee	1655	Mosaic Fertilizer, LLC	A415	G	0.013	0.269	0.269

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	1672	Chapman Family Partnership, LLLP	A415	G	0.036	0.269	0.269
Hardee	1709	Sunny South Packing Company	A415	G	0.047	0.079	0.079
Hardee	1746	Mosaic Fertilizer, LLC	A415	G	0.215	0.533	0.533
Hardee	1906	Twenty Twenty Groves, Inc	A415	G	0.147	0.199	0.199
Hardee	1912	V & W Farms Inc of Delray Beach	A495	G	0.130	1.298	1.295
Hardee	2125	Carlton Horse Creek Partners LLC (Multi County w Hardee)	A470	G	0.090	0.629	0.629
Hardee	2149	South Ft. Meade Land Management, Inc	A655	G	0.000	0.154	0.154
Hardee	2158	C.R. Melear Corp	L700	G	0.227	0.749	0.749
Hardee	2164	Debra and Thomas S. Watkins	A415	G	0.162	0.403	0.403
Hardee	2270	Three B Grove and Ranch, LLP, et. Al.	A415	G	0.089	0.114	0.114
Hardee	2358	Rocking Cross Ranch Inc	A415	G	0.000	0.120	0.120
Hardee	2362	Johnson Wauchula 1033 Farm, LLC	A535	G	0.090	0.113	0.113
Hardee	2382	D H Ranch Inc	A490	G	0.005	0.099	0.099
Hardee	2383	Smoak Groves, Inc	A415	G	0.050	0.043	0.043
Hardee	2467	Ben Hill Griffin, Inc	A455	G	0.204	1.144	1.144
Hardee	2584	John L. & Jeri A. Matz	A415	G	0.000	0.078	0.078
Hardee	2614	Hollingsworth Grove Properties LLC	A415	G	0.093	0.166	0.166
Hardee	2626	734 LMC Groves, LLC	A415	G	0.276	0.354	0.354
Hardee	2645	Willard K Durrance, Jr, Elizabeth A. Durrance	A415	G	0.090	0.107	0.107
Hardee	2647	Willard Kelly Durrance, Jr	A490	G	0.026	0.183	0.183
Hardee	2648	W.K. Durrance, LLC	A455	G	0.107	0.438	0.438
Hardee	2715	Mosaic Fertilizer LLC (Multi County w Polk)	A525	G	0.428	3.950	3.950
Hardee	2715	Mosaic Fertilizer LLC (Multi County w Polk)	A525	S	0.000	3.950	3.950
Hardee	2727	Useppa Citrus, LLC	A415	G	0.065	0.157	0.157
Hardee	2774	Farr Groves LLC	A415	G	0.086	0.104	0.104
Hardee	2871	Tamiami Citrus, LLC	A415	G	0.545	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	A415	G	0.136	0.338	0.338

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	2930	McCarlton Partners Ltd	A415	G	0.078	0.171	0.171
Hardee	2932	McCarlton Partners Ltd	A470	G	0.000	0.423	0.423
Hardee	3076	The Mosaic Co	A415	G	0.000	0.250	0.250
Hardee	3096	QC Desoto Grove Ventures, LLC	A415	G	0.107	0.200	0.200
Hardee	3119	Smoak Groves, Inc	A415	G	0.075	0.123	0.123
Hardee	3134	Crews Groves, Inc	A415	G	0.257	0.246	0.246
Hardee	3135	Crews Groves, Inc	A415	G	0.308	0.483	0.483
Hardee	3154	The Durrance Groves Limited Partnership	A415	G	0.056	0.083	0.083
Hardee	3207	Crews Groves, Inc	A415	G	0.081	0.093	0.093
Hardee	3235	T.C. Prescott, LLC	A415	G	0.021	0.084	0.084
Hardee	3292	Fort Green Farms, LLC	A415	G	0.068	0.119	0.119
Hardee	3321	Mosaic Fertilizer LLC	A415	G	0.099	0.162	0.162
Hardee	3338	South Ft. Meade Land Management, Inc	A655	G	0.019	0.248	0.248
Hardee	3341	George D N Beck & Glenn Elliott Beck	A415	G	0.039	0.123	0.123
Hardee	3478	Jed Groves Inc	A415	G	0.025	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	0.465	0.617	0.617
Hardee	3592	Square D Ranch Ltd LLP	A490	G	0.000	0.112	0.112
Hardee	3599	Crewsville Dairy Inc	A495	G	0.010	0.496	0.496
Hardee	3612	William K. and Elizabeth A. Durrance	A415	G	0.067	0.112	0.112
Hardee	3626	South Property Holdings, LLC	A415	G	0.154	0.221	0.221
Hardee	3695	Mosaic Fertilizer, LLC	A56S	G	0.103	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	0.112	0.142	0.142
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	G	1.312	1.587	1.587
Hardee	4091	Bentley-Brahman Ranch, Inc.	A410	S	0.035	1.587	1.587
Hardee	4197	Krause Groves, LLC	A415	G	0.067	0.113	0.113
Hardee	4229	Peace Valley Groves, Inc	A415	G	0.086	0.120	0.120

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hardee	4487	QC Hardee Grove Ventures LLC	A415	G	0.208	0.321	0.321
Hardee	4525	Wauchula Farms, LLC	A480	G	0.068	0.111	0.111
Hardee	4554	QC Desoto Grove Ventures, LLC	A415	G	0.061	0.130	0.130
Hardee	4600	Sweetwater Preserve, LLC	A655	G	0.044	1.943	1.943
Hardee	4600	Sweetwater Preserve, LLC	A655	S	0.000	1.943	1.943
Hardee	4660	Rolfe G Thompson Indiv & Trstee Thompson Family Trust	A56S	G	0.000	0.391	0.391
Hardee	4719	Lamb Groves, Inc	A415	G	0.069	0.071	0.071
Hardee	4769	Himrod Groves Limited Partnership	A415	G	0.126	0.201	0.201
Hardee	4817	Twenty Twenty Groves, Inc	A415	G	0.783	1.780	1.780
Hardee	4817	Twenty Twenty Groves, Inc	A415	S	0.000	1.780	1.780
Hardee	4994	J.A.M. Farms Corp	A525	G	0.123	0.211	0.211
Hardee	5024	Mary Jane and Charles Matheny	A490	G	0.024	0.130	0.130
Hardee	5048	QC Desoto Grove Ventures, LLC	A415	G	0.060	0.131	0.131
Hardee	5912	Ninfa C Davis Family LLC	A415	G	0.035	0.108	0.108
Hardee	5918	Crews Groves, Inc (Multi County w Polk)	A490	G	0.043	0.370	0.370
Hardee	6368	Donnis A. and Kathleen A. Barber	A480	G	0.142	0.188	0.188
Hardee	6393	Theo, Christina, Austin, and Henry Bryant	A480	G	0.038	0.107	0.107
Hardee	6550	Zolfo Springs Grove, LLC	A415	G	0.068	0.114	0.114
Hardee	6579	John Clay Henderson Trust	A415	G	0.058	0.090	0.090
Hardee	6925	Farr Groves LLC	A415	G	0.060	0.097	0.097
Hardee	7025	Team Pentecost, LLC	A525	G	0.097	1.301	1.301
Hardee	7099	J. R. Paul, Jr. Family Limited Partnership	A415	G	0.099	0.143	0.143
Hardee	7332	South Ft. Meade Land Management, Inc	A655	G	0.069	0.550	0.550
Hardee	7341	QC Desoto Grove Ventures, LLC	A415	G	0.119	0.154	0.154
Hardee	7376	Sorrells Groves, Inc	A415	G	0.028	0.135	0.135
Hardee	7408	J.A.M. Farms Corp	A415	G	0.040	0.107	0.107
Hardee	7483	Carlton Melear and Son Dairy, Inc	L615	G	0.027	0.375	0.375
Hardee	7505	Kahn Grove Service Co	A415	G	0.146	0.133	0.133

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	7522	Putnam Groves, Inc	A490	G	0.044	0.410	0.410
Hardee	7743	Pavilo Land Holdings, LLC	A480	G	0.090	0.235	0.235
Hardee	7759	Edgar Davis	A415	G	0.023	0.074	0.074
Hardee	7778	Kenneth DeVane Groves, Inc	A415	G	0.019	0.137	0.137
Hardee	7785	The Durrance Groves Limited Partnership	A415	G	0.000	0.075	0.075
Hardee	7831	Kyland, LLC	A470	G	0.000	0.176	0.176
Hardee	7998	QC Desoto Grove Ventures, LLC (Multi County w Manatee)	A415	G	0.044	0.465	0.465
Hardee	8007	Daniel W. & Karen Dodrill	A415	G	0.046	0.102	0.102
Hardee	8057	Charles Bass	A535	G	0.055	0.461	0.461
Hardee	8057	Charles Bass	A535	S	0.000	0.461	0.461
Hardee	8204	Blue Fields USA, LLC	A410	G	0.027	0.208	0.208
Hardee	8234	Royce & Martha Tyson	A415	G	0.073	0.103	0.103
Hardee	8372	Daniel H. & Linda M. Smith	A415	G	0.099	0.157	0.157
Hardee	8695	ATP Groves, LLC	A415	G	0.127	0.131	0.131
Hardee	8696	Dole Berry Company	A410	G	0.081	0.326	0.326
Hardee	8734	Mosaic Fertilizer LLC	A470	G	0.000	0.343	0.343
Hardee	8752	South Ft. Meade Land Management, Inc	A655	G	0.000	0.171	0.171
Hardee	8839	Edward M Schweighofer, Trs.	A415	G	0.000	0.094	0.094
Hardee	8845	C. Elton Crews Family LP, LLLP	A415	G	0.112	0.134	0.134
Hardee	8895	VCH Holdings, LLC	A415	G	0.180	0.476	0.476
Hardee	8907	Davis Enterprises, Inc	A415	G	0.145	0.169	0.169
Hardee	8917	VCH Holdings, LLC	A415	G	0.115	0.244	0.244
Hardee	8963	C&T Citrus , LLC	A415	G	0.140	0.206	0.206
Hardee	8969	South Ft. Meade Land Management, Inc	A415	G	0.121	0.372	0.372
Hardee	8973	Mosaic Fertilizer, LLC	A56S	G	0.000	0.168	0.168
Hardee	8975	Prewitt Enterprises, LLC	A415	G	0.060	0.224	0.224
Hardee	9027	Davis Enterprises Inc / Davis Citrus Mgmt Inc / Joe L Davis, Jr	A415	G	0.174	0.355	0.355
Hardee	9038	William Harrison	A490	G	0.022	0.144	0.144

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	9061	Francisco Lucatero & Isaura Lucatero Zamora	A480	G	0.000	0.108	0.108
Hardee	9171	Stevens Land & Cattle LLC	A490	G	0.139	0.440	0.440
Hardee	9390	Windmill Farms Nurseries, Inc	A480	G	0.089	0.305	0.305
Hardee	9390	Windmill Farms Nurseries, Inc	A480	S	0.015	0.305	0.305
Hardee	9486	South Ft Meade Land Management, Inc	A655	G	0.036	0.935	0.935
Hardee	9673	Debra, Thomas S., Thomas C, & Kara Watkins	A415	G	0.152	0.725	0.725
Hardee	9683	Thelma C. Raley, Inc	A415	G	0.294	0.304	0.304
Hardee	9689	Lake Sawyer Properties, Inc	A415	G	0.101	0.138	0.138
Hardee	9691	The Groves of Peace River, Inc	A415	G	0.137	0.117	0.117
Hardee	9809	Charles J Abbott, Trustee of Charles J Abbott Revocable Trust	A415	G	0.042	0.076	0.076
Hardee	9847	Lynchburg Groves General Partnership	A415	G	0.191	0.157	0.157
Hardee	9850	Bentley Snyder	A415	G	0.025	0.074	0.074
Hardee	9901	Smoak Groves, Inc	A415	G	0.311	0.497	0.497
Hardee	9901	Smoak Groves, Inc	A415	S	0.006	0.497	0.497
Hardee	9987	Redding Farms, LLC	A480	G	0.052	0.065	0.065
Hardee	10009	E L Davis Jr	A495	G	0.010	0.223	0.223
Hardee	10052	Limestone Ranch LLC	A470	G	0.000	0.181	0.181
Hardee	10671	Mosaic Fertilizer LLC	A415	G	0.550	2.294	2.294
Hardee	10771	Carl Wilburn	A415	G	0.059	0.132	0.132
Hardee	10934	HRS Real Estate Trust	A470	G	0.000	0.209	0.209
Hardee	11032	Donnis A. and Kathleen A. Barber	A495	G	0.000	0.089	0.089
Hardee	11083	Patricia Grimsley Trust & Grimsley Groves Inc	A415	G	0.037	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	11189	Harvill Groves Ltd	A415	G	0.093	0.284	0.284
Hardee	11240	Story Groves, Inc	A415	G	0.331	0.352	0.352
Hardee	11244	Dixie Belle Groves Partnership	A415	G	0.094	0.090	0.090
Hardee	11380	HE & JM McClelland, Trustees of Harold E McClelland	A415	G	0.056	0.075	0.075
Hardee	11395	Mosaic Fertilizer LLC	A51S	G	0.114	0.441	0.441

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	11412	Mosaic Fertilizer, LLC	A646	G	0.000	0.306	0.306
Hardee	11639	Buckhorn Nursery, Ltd	A480	G	0.270	0.442	0.442
Hardee	11840	Glen Elliot Beck, as successor Trustee	A415	G	0.043	0.092	0.092
Hardee	11993	Roberto and Salvador Estrada	A56S	G	0.188	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	0.359	0.929	0.843
Hardee	12509	Lawrence B. and Cynthia L. Wells	L600	G	0.000	0.003	0.003
Hardee	12643	James Bickett	A416	G	0.170	0.414	0.414
Hardee	12646	Donnis Barber	A470	G	0.000	0.493	0.493
Hardee	12757	New Port Groves Partnership	A415	G	0.090	0.124	0.124
Hardee	12881	Stephen A. Herring Revocable Trust	A535	G	0.000	0.490	0.490
Hardee	12882	Arthur S. Womack Family, LLC	A415	G	0.120	0.082	0.082
Hardee	13145	Blue Fields USA LLC	A410	G	0.100	0.223	0.223
Hardee	13145	Blue Fields USA LLC	A410	S	0.000	0.223	0.223
Hardee	13184	Mosaic Fertilizer, LLC	A470	G	0.000	0.295	0.295
Hardee	13188	Germantown Citrus Partnership	A415	G	0.065	0.125	0.125
Hardee	13248	The Groves of Peace River, Inc	A415	G	0.379	0.402	0.402
Hardee	20376	Pebbledale Farms, Inc	A410	G	0.202	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	0.147	0.532	0.532
Hardee	20483	Charles J & Josephine Abbott Trustees	A415	G	0.092	0.158	0.158
Hardee	20760	Charles and Jane Stevens	A415	G	0.024	0.041	0.041
Hardee	20806	VC Hollingsworth, III, L. Mills, B. Thornton, & L. Hoopingarner	A415	G	0.035	0.091	0.091
Hardee County Totals					19.120	Metered, mgd	
					14.981	Estimated, mgd, 618 WUPs	
					34.101	Total, mgd	

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2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hernando	There were no metered agricultural WUPs in Hernando County (permit metering threshold >= 0.500 mgd)						
Hernando County Totals					0	Metered, mgd	
					1.652	Estimated, mgd, 64 WUPs	
					1.652	Total, mgd	
Highlands	3736	Avon Park Holdings, LLC	A415	G	0.247	0.234	0.234
Highlands	4075	Ward Family Ltd Partnership	A415	G	0.283	0.307	0.307
Highlands	4077	Martin J and Karen McKenna	A415	G	0.076	0.111	0.111
Highlands	4162	Macbeth Associates, Ltd	A415	G	0.041	0.129	0.129
Highlands	4219	S.Y. Hartt & Son, Inc	A415	G	1.012	1.340	1.340
Highlands	4230	Peace Valley Groves, Inc	A415	G	0.060	0.098	0.098
Highlands	4251	Gapway Grove Corp	A415	G	0.024	0.180	0.180
Highlands	4253	Gapway Grove Corp	A415	G	0.028	0.227	0.227
Highlands	4284	A.R. Chapman and Stephens Groves, Inc	A415	G	0.109	0.212	0.212
Highlands	4288	C. Elton Crews Family LP, LLLP	A415	G	0.087	0.092	0.092
Highlands	4300	Mark D. Beck Family Trust	A415	G	0.008	0.107	0.107
Highlands	4393	Phoenix Groves, LLC	A415	G	0.276	0.289	0.289
Highlands	4527	John L. Beck Living Trust	A415	G	0.040	0.143	0.143
Highlands	4557	Saxon Groves Inc	A415	G	0.010	0.179	0.179
Highlands	4557	Saxon Groves Inc	A415	S	0.022	0.179	0.179
Highlands	4604	Avon Park Lake Estates, LLC	A415	G	0.015	0.148	0.148
Highlands	4677	Ben Hill Griffin, Inc	A415	G	0.089	0.100	0.100
Highlands	4678	Ben Hill Griffin, Inc	A415	G	0.114	0.119	0.119
Highlands	4679	Ben Hill Griffin, Inc	A415	G	1.285	1.593	1.593
Highlands	4680	Ben Hill Griffin, Inc	A415	G	0.990	1.596	1.596
Highlands	4681	Ben Hill Griffin, Inc	A415	G	0.082	0.104	0.104
Highlands	4685	Ben Hill Griffin, Inc	A415	G	0.217	0.425	0.425
Highlands	4896	734 BLP Groves, LLC	A415	G	0.516	0.833	0.833
Highlands	4922	Crutchfield Groves, Inc	A415	G	0.041	0.110	0.110

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	4941	Charles L. and Anne D. Reynolds, Jr	A415	S	0.023	0.073	0.073
Highlands	5009	Smoak Groves, Inc	A415	G	0.000	0.028	0.028
Highlands	5073	Crutchfield Groves, Inc	A415	G	0.181	0.248	0.248
Highlands	5178	Lost Lake Groves, Inc	A415	S	0.113	0.464	0.464
Highlands	5182	Charles Reynolds	A415	G	0.110	0.214	0.214
Highlands	5232	Crews Groves, Inc & C. Elton Crews Family, LLLP	A415	G	0.103	0.107	0.107
Highlands	5290	PMC POD 4, LLC	A415	G	0.000	0.196	0.196
Highlands	5291	Davis Enterprises, Inc	A415	G	0.220	0.285	0.285
Highlands	5292	Crutchfield Groves, Inc	A415	G	0.029	0.143	0.143
Highlands	5293	Perry Cattle, LLC	A415	G	0.210	0.381	0.381
Highlands	5293	Perry Cattle, LLC	A415	S	0.049	0.381	0.381
Highlands	5322	Harshman Holdings, Inc	A415	G	0.019	0.153	0.153
Highlands	5330	Stephen D. Seims & Joan P. Seims	A490	G	0.066	0.185	0.185
Highlands	5337	Crutchfield Groves, Inc	A415	G	0.061	0.140	0.140
Highlands	5342	Henry Crutchfield Inc	A415	G	0.076	0.100	0.100
Highlands	5346	Lo Brothers Enterprises Inc	A415	G	0.003	0.012	0.012
Highlands	5354	Crutchfield Groves, Inc	A415	G	0.050	0.090	0.090
Highlands	5445	Joe L. Davis, Jr. Trust	A415	G	0.083	0.094	0.094
Highlands	5464	C Elton Crews Family LP LLLP	A415	G	0.117	0.147	0.147
Highlands	5504	C & L Land Co., LLLP	A415	G	0.084	0.139	0.139
Highlands	5516	Wabasso Road Dairy, Inc	L615	G	0.364	0.744	0.744
Highlands	5516	Wabasso Road Dairy, Inc	L615	S	0.000	0.744	0.744
Highlands	5522	Crews Groves Inc & C Elton Crews Family Limited Partnership	A415	G	0.000	0.224	0.224
Highlands	5537	Joseph Macbeth	A415	G	0.413	0.386	0.386
Highlands	5563	Karen McKenna, Alton Rogers & JW Crews Jr	A415	G	0.086	0.196	0.196
Highlands	5566	Crews Groves, Inc	A415	G	0.132	0.139	0.139
Highlands	5574	Joe L Davis Family Citrus, LLC	A415	G	0.092	0.100	0.100
Highlands	5583	Robert Crews	A415	G	0.183	0.247	0.247

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	5621	Cow Slough Inc	A415	G	0.011	0.013	0.013
Highlands	5626	Robert J. Barben, Inc	A415	G	0.488	0.610	0.610
Highlands	5627	Robert J. Barben, Inc	A415	G	0.289	0.455	0.455
Highlands	5628	Running W Citrus Limited Partnership	A415	G	0.074	0.100	0.100
Highlands	5630	Macbeth Associates, Ltd	A415	G	0.053	0.107	0.107
Highlands	5638	Running W Citrus Limited Partnership	A415	G	1.285	1.716	1.716
Highlands	5639	734 LMC Groves, LLC	A415	G	0.789	0.731	0.731
Highlands	5676	Lykes Bros., Inc	A415	G	0.562	2.450	2.450
Highlands	5676	Lykes Bros., Inc	A415	S	0.098	2.450	2.450
Highlands	5719	Ward's Groves, LLC	A415	G	0.275	0.341	0.341
Highlands	5720	Emmett & Arost Groves, LLC	A415	G	0.114	0.105	0.105
Highlands	5878	Charles L. and Anne D. Reynolds	A415	S	0.068	0.107	0.107
Highlands	5905	Perry Brothers	A415	G	0.116	0.174	0.174
Highlands	5920	Pioneer Grove, Inc	A415	G	0.232	0.292	0.292
Highlands	5999	Watters Groves, Inc	A415	G	0.047	0.100	0.100
Highlands	5999	Watters Groves, Inc	A415	S	0.017	0.100	0.100
Highlands	6031	PAI Lake Placid Groves LLC	A415	G	1.811	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	0.031	0.093	0.093
Highlands	6147	Sree Govardhan LLC	A415	G	0.062	0.240	0.240
Highlands	6154	Buck Lake Citrus, Inc	A415	G	0.144	0.183	0.183
Highlands	6162	Cow Slough, Inc	A415	G	0.022	0.464	0.464
Highlands	6165	Trigen Investments, LLC	A415	G	0.686	0.759	0.759
Highlands	6166	Smoak Groves, Inc	A415	G	0.162	0.217	0.217
Highlands	6167	Trustee of the Edward L. Smoak Revocable Trust	A415	G	0.103	0.166	0.166
Highlands	6172	Bear's Den Groves, Inc	A415	G	0.002	0.078	0.078
Highlands	6172	Bear's Den Groves, Inc	A415	S	0.000	0.078	0.078
Highlands	6173	Thelma C. Raley, Inc	A415	G	0.002	0.106	0.106

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	6173	Thelma C. Raley, Inc	A415	S	0.018	0.106	0.106
Highlands	6176	Cow Slough, Inc	A415	G	0.521	0.620	0.620
Highlands	6176	Cow Slough, Inc	A415	S	0.053	0.620	0.620
Highlands	6179	Smoak Groves Inc	A415	G	0.204	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	0.074	0.117	0.117
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	G	0.306	5.191	5.191
Highlands	6197	Turner Groves Citrus Limited Partnership	A415	S	3.536	5.191	5.191
Highlands	6211	Ben Hill Griffin, Inc	A415	G	0.176	0.275	0.275
Highlands	6234	Smoak Groves, Inc	A415	G	0.077	0.095	0.095
Highlands	6320	Davis Enterprises, Inc	A415	G	0.223	0.277	0.277
Highlands	6409	Perry Cattle, LLC	A415	G	0.162	0.223	0.223
Highlands	6432	Heartland Park LLC	A415	G	0.000	0.120	0.120
Highlands	6516	Carl Wilburn	A415	G	0.063	0.154	0.154
Highlands	6827	PAI Lake Placid Groves LLC	A415	G	0.276	0.235	0.235
Highlands	6957	Scarborough Investments, Inc	A415	G	0.043	0.414	0.414
Highlands	7111	Griffin Family Limited Partnership	A415	G	0.114	0.173	0.173
Highlands	7112	Emmett & Arost Groves, LLC	A415	G	0.113	0.114	0.114
Highlands	7540	Board Of Tst Internal Imp Trust Fund Of The State Of Florida	A415	G	0.026	0.314	0.314
Highlands	7580	CLP Citrus Inc & Sebring Citrus Ranch LLC	A415	G	0.118	0.469	0.469
Highlands	7615	Boston Mining Company	A415	G	0.083	0.089	0.089
Highlands	7682	Perry Mason Groves, Inc	A415	G	0.104	0.139	0.139
Highlands	7693	Lo Brothers Enterprises Inc	A415	G	0.043	0.063	0.063
Highlands	7874	JJW Inc	A415	G	0.118	0.093	0.093
Highlands	8136	Crutchfield Groves, Inc	A415	G	0.146	0.231	0.231
Highlands	8268	Crutchfield Groves, Inc	A415	G	0.094	0.130	0.130
Highlands	8298	James Dubose	A460	G	0.014	0.037	0.037
Highlands	8394	Glenn O Murphy Partnership Ltd	A415	G	0.048	0.173	0.173

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	8442	Lettuce Creek Cattle Co.& Ridgeland Ag Corp	A415	S	0.063	0.395	0.395
Highlands	8787	Stephens Groves, Inc	A415	G	0.109	0.269	0.269
Highlands	8868	Rafter T. Realty Inc	A525	G	0.004	0.269	0.269
Highlands	8930	Hart Pasture, LLC	A490	G	0.000	0.390	0.390
Highlands	8957	Dressel Groves, Inc	A415	G	0.119	0.200	0.200
Highlands	9124	Pyrus Agricultural LLC	A470	G	0.259	0.355	0.355
Highlands	9167	Bob Paul, Inc	A415	G	0.009	0.193	0.193
Highlands	9174	Davis Enterprises, Inc	A415	G	0.200	0.177	0.177
Highlands	9211	Russell Grove North, Inc	A415	G	0.141	0.128	0.128
Highlands	9302	PAI Lake Placid Groves LLC	A415	G	0.880	2.006	2.006
Highlands	9380	J W Yonce & Sons Farms Inc	A415	G	0.054	0.102	0.102
Highlands	9627	Hauptmann & Thompson Company Inc	A415	G	0.096	0.171	0.171
Highlands	9710	Thelma C. Raley, Inc	A415	G	0.152	0.188	0.188
Highlands	9814	Lake Placid Holding Co	A415	G	0.045	0.120	0.120
Highlands	10027	Quality Turf LC	A525	G	0.396	0.409	0.409
Highlands	10078	The Machado Family Limited Partnership No. 1	A415	G	0.061	0.315	0.315
Highlands	10645	Perry Cattle, LLC	A415	G	0.113	0.174	0.174
Highlands	10676	Craig J. Griffith Rev. Living Trust	A415	G	0.125	0.103	0.103
Highlands	11077	Edsall Groves, Inc	A415	G	0.119	0.120	0.120
Highlands	11089	DP Partners Ltd & PGP Partners Ltd	A415	G	0.108	0.186	0.186
Highlands	11142	Perry Brothers	A415	G	0.039	0.115	0.115
Highlands	11379	J. Ned & Tammy J. Hancock	A415	G	0.069	0.118	0.118
Highlands	11461	Barbara and Stephen Bullard	A415	G	0.080	0.189	0.189
Highlands	11724	Smoak Groves Inc	A415	G	0.196	0.227	0.227
Highlands	12022	Goodfellas Land & Citrus, LLC	A415	G	0.096	0.135	0.135
Highlands	12025	Peter Goldstein	A415	G	0.074	0.101	0.101
Highlands	12996	Jack Paul Properties, Inc	A415	G	0.101	0.285	0.285
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	G	0.028	0.240	0.240

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Highlands	13113	J.R. Paul, Jr. Family Limited Partnership	A415	S	0.000	0.240	0.240
Highlands	13258	Smoak Groves, Inc	A415	G	0.274	0.425	0.425
Highlands	20054	Black Bear Citrus, LLC	A415	G	0.093	0.205	0.205
Highlands	20097	Robert Barben	A410	G	0.178	0.201	0.201
Highlands	20265	Germantown Citrus Partnership	A415	G	0.380	0.405	0.405
Highlands	20608	G & M Groves, Inc	A415	G	0.041	0.035	0.035
Highlands	20726	Southeast AG Management, LLC	A415	G	0.029	0.031	0.031
Highlands County Totals					27.565	Metered, mgd	
					8.028	Estimated, mgd, 337 WUPs	
					35.593	Total, mgd	
Hillsborough	71	Charlie Grimes Farms, LLC	A410	G	0.011	0.020	0.020
Hillsborough	74	MS 55, LLC	A535	G	0.051	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	0.036	0.118	0.118
Hillsborough	85	J.C.Strickland Kocsis	A415	G	0.000	0.032	0.032
Hillsborough	105	Lance H. Ham & Norma G. Ham Revocable Living Trust	A56F	G	0.033	0.067	0.067
Hillsborough	119	Robert Parke	A44S	G	0.000	0.040	0.040
Hillsborough	119	Robert Parke	A44S	S	0.021	0.040	0.040
Hillsborough	120	Sunripe Growers Corp	A635	G	0.038	0.074	0.074
Hillsborough	147	James R. and Jennie May Harwell	A58S	G	0.030	0.048	0.048
Hillsborough	162	Loop Farms, LLC	A56S	G	0.249	0.455	0.455
Hillsborough	179	E.W. Simmons, III and Carol Simmons	A535	G	0.136	0.188	0.188
Hillsborough	181	Helen Geraldine Mitchell	A535	G	0.034	0.071	0.071
Hillsborough	182	E. W. Simmons Farms, Inc	A58S	G	0.102	0.179	0.179
Hillsborough	192	Gracepoint Plant City	A410	G	0.000	0.018	0.015
Hillsborough	200	Penny Fuller	A415	G	0.000	0.053	0.053
Hillsborough	201	Trapnell Road Plant City, LLC	A535	G	0.036	0.105	0.105
Hillsborough	263	Carlton Family 2012 Irrevocable Trust	A535	G	0.172	0.164	0.164

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	0.105	0.110	0.110
Hillsborough	274	John D Lawrence Trustee	A535	S	0.000	0.110	0.110
Hillsborough	277	Gary R & Terri L Parke	A56S	G	0.027	0.080	0.080
Hillsborough	286	Kenneth Alred	A44S	G	0.075	0.123	0.123
Hillsborough	287	John Holland	A490	G	0.000	0.004	0.004
Hillsborough	289	Michael Shaw	A480	G	0.005	0.041	0.041
Hillsborough	297	Astin Strawberry Property Management LLC	A535	G	0.000	0.146	0.146
Hillsborough	297	Astin Strawberry Property Management LLC	A535	S	0.000	0.146	0.146
Hillsborough	360	Astin Strawberry Property Management LLC	A535	G	0.689	2.241	2.241
Hillsborough	360	Astin Strawberry Property Management LLC	A535	S	0.249	2.241	2.241
Hillsborough	362	Ruby Jean Redman	A535	G	0.030	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	0.008	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	0.242	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	417	Benson & Debbie Dukes	A535	G	0.019	0.048	0.048
Hillsborough	495	Bonnie Faye Wetherington Trust	A535	G	0.069	0.159	0.159
Hillsborough	500	Lacey Blue Farms, LLC	A535	G	0.008	0.050	0.050
Hillsborough	522	William and Stephanie Keene	A635	G	0.052	0.169	0.169
Hillsborough	522	William and Stephanie Keene	A635	S	0.000	0.169	0.169
Hillsborough	526	R G Moll & Family Inc	A535	G	0.143	0.338	0.338
Hillsborough	530	Kip & Stephanie Keene	A535	G	0.000	0.070	0.070
Hillsborough	534	Farkas Groves, Inc	A415	G	0.000	0.031	0.031
Hillsborough	535	Farkas Groves, Inc	A410	G	0.074	0.083	0.083
Hillsborough	565	James Leland Byrd Revocable Trust	A415	G	0.000	0.047	0.047
Hillsborough	566	Robert Marvin Dykes and Linda Medley Dykes	A415	G	0.001	0.015	0.015

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	G	0.018	0.039	0.039
Hillsborough	571	Astin Strawberry Property Management, LLC	A535	S	0.031	0.039	0.039
Hillsborough	605	Virginia A & Edward Zagar	A415	G	0.000	0.016	0.016
Hillsborough	650	Gladys Brown Stanaland	A535	G	0.003	0.024	0.024
Hillsborough	654	Council Bay Farms LTD	A56S	G	0.024	0.299	0.299
Hillsborough	655	Farmland Reserve Inc	A56S	G	0.021	0.693	0.693
Hillsborough	656	Suburban Land Preserve Inc	A56S	G	0.131	0.940	0.940
Hillsborough	659	Farmland Reserve, Inc	A465	G	1.122	1.940	1.940
Hillsborough	659	Farmland Reserve, Inc	A465	S	0.000	1.940	1.940
Hillsborough	660	Farmland Reserve, Inc	A56S	G	0.053	0.498	0.495
Hillsborough	660	Farmland Reserve Inc	A56S	S	0.000	0.498	0.495
Hillsborough	662	Donald & Mary Shuman Inc	A415	G	0.000	0.206	0.206
Hillsborough	689	Hillsborough County School Board	A535	G	0.001	0.150	0.004
Hillsborough	739	Three Star Farms Inc	A535	G	0.136	0.369	0.369
Hillsborough	739	Three Star Farms Inc	A535	S	0.000	0.369	0.369
Hillsborough	760	W&E Groves Land Trust	A655	G	0.032	0.241	0.241
Hillsborough	770	Franklin Properties of Hillsborough County, LLC	A655	G	0.071	0.183	0.183
Hillsborough	786	Kareyann Ellison	A655	G	0.002	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	0.073	0.103	0.103
Hillsborough	836	Elias & Lorena Gutierrez	A535	G	0.000	0.071	0.071
Hillsborough	836	Elias & Lorena Gutierrez	A535	S	0.012	0.071	0.071
Hillsborough	840	Corrie L. Lariscy	A535	G	0.015	0.035	0.035
Hillsborough	857	Fl Strawberry Res & Ed Foundation Inc	A535	G	0.016	0.042	0.042
Hillsborough	865	Marcus & Frances Williamson Family	A56S	G	0.083	0.187	0.187
Hillsborough	870	Blanche S Oswald Revocable Trust	A535	G	0.052	0.053	0.053
Hillsborough	873	Stephen Lindsey	A655	G	0.000	0.090	0.090

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	880	Sultenfuss Ltd	A415	G	0.061	0.312	0.312
Hillsborough	891	Sam Astin III & Buffy S Astin	A535	G	0.076	0.163	0.163
Hillsborough	906	EST Properties, LLC	A535	G	0.048	0.042	0.042
Hillsborough	953	Cameron Citrus Corp	A415	G	0.008	0.084	0.084
Hillsborough	953	Cameron Citrus Corp	A415	S	0.003	0.084	0.084
Hillsborough	969	Uy Q Tran, Tris D. Tran, and Hang Ngo	A470	G	0.051	0.121	0.121
Hillsborough	979	D & L Land Partners Inc	A415	G	0.000	0.037	0.037
Hillsborough	985	Diehl Family LP	A56S	G	1.236	2.498	2.498
Hillsborough	992	Hoang Le	A615	G	0.018	0.025	0.025
Hillsborough	1057	Dot Walden Farms, Inc	A495	G	0.119	0.153	0.153
Hillsborough	1063	Sultenfuss, Ltd	A415	G	0.000	0.056	0.056
Hillsborough	1124	Artesian Farms Inc	A56S	G	0.000	0.785	0.785
Hillsborough	1130	Astin Strawberry Property Management LLC	A535	G	0.048	0.106	0.106
Hillsborough	1137	Richard A. & Peggy F. Hall	A415	G	0.000	0.012	0.012
Hillsborough	1217	GloFish, LLC c/o Spectrum Brands, Inc	L661	G	0.178	0.195	0.195
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	G	0.167	0.235	0.235
Hillsborough	1276	Ronnie E. & Pamela D. Young	A535	S	0.029	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	0.029	0.074	0.074
Hillsborough	1432	Three Star Farms Inc	A51S	S	0.000	0.074	0.074
Hillsborough	1444	G & G Farms, LLC	A535	G	0.119	0.245	0.245
Hillsborough	1444	G & G Farms, LLC	A535	S	0.042	0.245	0.245
Hillsborough	1445	Rocking V Ranch, LLC	A535	G	0.054	0.075	0.075
Hillsborough	1446	Patoo Enterprises Inc	A58S	G	0.000	0.030	0.030
Hillsborough	1451	L & J Citrus and Cattle LLC	A415	G	0.010	0.087	0.087
Hillsborough	1464	Farkas Citrus Nursery, Inc	A480	G	0.000	0.036	0.036
Hillsborough	1489	Flat Land, Inc	A535	G	0.024	0.033	0.033
Hillsborough	1504	Freda Dukes Schofield As Trustee	A470	G	0.072	0.104	0.104

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 Permitted and Withdrawn Quantities (mgd) – Metered Agricultural WUPs

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to AG Use Category ⁴
Hillsborough	1544	Double Screen Associates, LLLP	A410	G	0.000	0.152	0.152
Hillsborough	1544	Double Screen Associates, LLLP	A410	S	0.000	0.152	0.152
Hillsborough	1575	Albert Quagliani Life Estate	A535	G	0.049	0.073	0.073
Hillsborough	1577	Shade Tree Investment Properties, LLC	A535	G	0.046	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	0.378	0.140	0.140
Hillsborough	1628	Ray K. Drawdy Revocable Living Trust	A58S	G	0.000	0.105	0.105
Hillsborough	1629	Ruis Drawdy	A58S	G	0.028	0.065	0.065
Hillsborough	1629	Ruis Drawdy	A58S	S	0.000	0.065	0.065
Hillsborough	1646	Alan Geer	A655	G	0.000	0.096	0.096
Hillsborough	1650	G & G Farms, LLC	A535	G	0.032	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	0.345	1.873	1.873
Hillsborough	1839	Frank Diehl	A410	G	0.016	0.112	0.112
Hillsborough	1869	Circle S Farms Ltd	A535	G	0.133	0.179	0.179
Hillsborough	1877	William A. & Amelia R. Mixon Revocable Living Trust	A535	G	0.000	0.176	0.176
Hillsborough	1885	Winfred & Sue Harrell Investments, LLLP	A480	G	0.067	0.156	0.156
Hillsborough	1956	Conrad H., Sherry, Scott M. and Kay D. Varnum	A535	G	0.054	0.179	0.179
Hillsborough	1960	University Of South Florida	A485	G	0.022	2.364	0.027
Hillsborough	1960	University Of South Florida	A485	S	0.000	2.364	0.027
Hillsborough	1995	Victoria Goodson	A535	G	0.139	0.080	0.080
Hillsborough	2045	Midway Investment Company, Inc	A535	G	0.099	0.306	0.305
Hillsborough	2045	Midway Investment Company, Inc	A535	S	0.000	0.306	0.305
Hillsborough	2133	A.H. and Patricia Varnum LTD Partnership	A535	G	0.125	0.202	0.202
Hillsborough	2189	HHR Development Corp	A535	G	0.001	0.065	0.065
Hillsborough	2205	Mathis Land Group, LLC	A410	G	0.025	0.016	0.016
Hillsborough	2206	The Double E Corp	A415	G	0.000	0.080	0.080
Hillsborough	2291	Mattie Williams 2001 Trust; Debbie Williams Norris Trustee	A51S	G	0.024	0.066	0.066

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	Mattie Louise Williams 2001 Trust; Darryl Williams, Trustee	A535	G	0.084	0.111	0.111
Hillsborough	2293	Mattie Williams 2001 Trust; Sherry and Michael Kirton	A51S	G	0.000	0.136	0.136
Hillsborough	2321	Griffin Investment Properties, Ltd	A535	G	0.103	0.135	0.135
Hillsborough	2322	Griffin Investment Properties, Ltd	A535	G	0.034	0.035	0.035
Hillsborough	2391	The Bailey Family Foundation of Tampa Inc	A535	G	0.028	0.051	0.051
Hillsborough	2395	George Kunchandy	A535	G	0.057	0.091	0.091
Hillsborough	2486	Circle G Farm & Ranch, LLC	A535	G	0.317	0.412	0.412
Hillsborough	2516	Astin Strawberry Property Management, LLC	A655	G	0.061	0.236	0.236
Hillsborough	2541	Marlene Mathews, Trustee	A535	G	0.082	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	0.018	0.041	0.041
Hillsborough	2564	MadMac Property Holdings, LLC	A535	G	0.000	0.213	0.213
Hillsborough	2566	Hakeem Investments Florida, LLLP	A445	G	0.001	0.077	0.077
Hillsborough	2576	Holly Lane Tree Farm, LLC	A535	G	0.032	0.080	0.080
Hillsborough	2581	Wayne G. Moss	A535	G	0.124	0.304	0.304
Hillsborough	2581	Wayne G. Moss	A535	S	0.000	0.304	0.304
Hillsborough	2654	Astin Strawberry Property Management, LLC	A535	G	0.272	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	0.203	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	0.248	1.897	1.897
Hillsborough	2714	Hillsborough County BOCC	A525	S	0.147	1.897	1.897
Hillsborough	2719	Larry & Judith Ennis	A535	G	0.000	0.031	0.031
Hillsborough	2719	Larry & Judith Ennis	A535	S	0.035	0.031	0.031
Hillsborough	2739	Hinton Enterprises of Sydney, Inc	A56S	G	0.032	0.092	0.092
Hillsborough	2768	Grimes Holdings, LLC	A535	G	0.039	0.079	0.079
Hillsborough	2944	Velma Newsome Groves, Inc	A535	G	0.028	0.036	0.036
Hillsborough	2945	Raymond Clint Stephens	A480	G	0.005	0.006	0.006

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	2951	Lawrence Collins	A535	G	0.014	0.036	0.036
Hillsborough	2963	Trapnell Road Plant City, LLC	A535	G	0.026	0.081	0.081
Hillsborough	2963	Trapnell Road Plant City, LLC	A535	S	0.023	0.081	0.081
Hillsborough	3011	Mark Baker	A535	G	0.000	0.047	0.047
Hillsborough	3055	Speedling, Inc	A487	G	0.045	0.302	0.296
Hillsborough	3057	Ocean Breeze Properties LLC	A470	G	0.110	0.280	0.280
Hillsborough	3060	The Kim Family Living Trust Fund, UTD	A480	G	0.066	0.146	0.146
Hillsborough	3100	L & J Citrus and Cattle LLC	A415	G	0.000	0.085	0.085
Hillsborough	3107	Sweet Life Farms, LLC	A535	G	0.072	0.096	0.096
Hillsborough	3108	The Bryant Family Trust	A470	G	0.009	0.035	0.035
Hillsborough	3120	James Newsome, Trustee	A535	G	0.051	0.146	0.146
Hillsborough	3123	G & G Farms, LLC	A535	G	0.108	0.223	0.223
Hillsborough	3217	Strawberry Red Ranch LLC	A535	G	0.232	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	0.247	0.598	0.598
Hillsborough	3251	Glenn and Sarah Williamson Family, LLC	A535	S	0.051	0.598	0.598
Hillsborough	3262	James and Beverly Tindle	A415	G	0.000	0.013	0.013
Hillsborough	3262	Paul Tindle	A415	S	0.000	0.013	0.013
Hillsborough	3313	Martin & Griselda Chavez	A535	G	0.073	0.094	0.094
Hillsborough	3317	Andrew B & Marcella J Scott	A415	G	0.000	0.044	0.044
Hillsborough	3330	5-D Tropical Inc	A485	G	0.011	0.054	0.054
Hillsborough	3355	Paula Fritz	A535	G	0.016	0.082	0.082
Hillsborough	3386	Tampa Electric Company	A535	G	0.069	0.111	0.111
Hillsborough	3417	Ag-Mart Produce, Inc	A56S	G	0.512	1.477	1.477
Hillsborough	3417	Ag-Mart Produce, Inc	A56S	S	0.021	1.477	1.477
Hillsborough	3453	George and Patricia Sprouse	A535	G	0.001	0.032	0.032
Hillsborough	3453	George and Patricia Sprouse	A535	S	0.000	0.032	0.032
Hillsborough	3485	Ralph Randall Jr	A535	G	0.264	0.087	0.087

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	3562	Mark Topp	A415	G	0.000	0.009	0.009
Hillsborough	3578	Jean Fulford	A480	G	0.077	0.150	0.150
Hillsborough	3596	Sweet Life Farms, LLC	A44S	G	0.030	0.074	0.074
Hillsborough	3615	Astin Strawberry Property Management LLC	A535	G	0.001	0.070	0.070
Hillsborough	3652	George H. & Patricia A. Sprouse	A535	G	0.035	0.084	0.084
Hillsborough	3700	John & Evanett Griffin	A535	G	0.007	0.007	0.007
Hillsborough	3712	Sam Astin III & Buffy S Astin	A635	G	0.175	0.374	0.374
Hillsborough	3716	Donn W & Janet L Goodson	A535	G	0.059	0.122	0.122
Hillsborough	3725	Ferris S. and Peggy A. Waller	A535	G	0.053	0.092	0.092
Hillsborough	3741	The Montesco Group LLC	A535	G	0.021	0.106	0.106
Hillsborough	3892	Pate Family Partnership	A470	G	0.039	0.065	0.065
Hillsborough	3997	Marvin G. & Linda S. Brown, Trustees	A470	G	0.105	0.123	0.123
Hillsborough	4004	MG & SF Williamson Family, LLC	A56S	G	0.063	0.114	0.114
Hillsborough	4261	Loop Farms, LLC	A535	G	0.059	0.386	0.386
Hillsborough	4261	Loop Farms, LLC	A535	S	0.000	0.386	0.386
Hillsborough	4363	Teddy Lincks Investments, LLC	A535	G	0.012	0.024	0.024
Hillsborough	4421	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.187	0.613	0.611
Hillsborough	4459	Willie W & Lavone W Wingate	A535	G	0.000	0.039	0.039
Hillsborough	4483	Russell and Jamie Goodson	A470	G	0.078	0.118	0.118
Hillsborough	4485	Michael Perry	A415	G	0.000	0.014	0.014
Hillsborough	4512	Calla Hudas	A415	G	0.001	0.006	0.006
Hillsborough	4522	G & D Farms, Inc	A535	G	0.015	0.038	0.038
Hillsborough	4536	Dover Land, LLC	A535	G	0.141	0.216	0.216
Hillsborough	4622	Sweet Life Farms, LLC	A535	G	0.004	0.044	0.044
Hillsborough	4640	Sam Astin, III	A535	G	0.000	0.086	0.086
Hillsborough	4689	Council Growers Inc	A525	G	0.117	0.312	0.312
Hillsborough	4714	Tampa Electric Company	A535	G	0.000	0.429	0.429
Hillsborough	4716	Hawk Produce, Inc	A635	G	0.000	0.085	0.085

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	4723	Berkshire Investments	A651	G	0.168	0.390	0.390
Hillsborough	4748	William K. Keene And Mary Laverne Lett Keene	A535	G	0.079	0.135	0.135
Hillsborough	4758	MS 58, LLC	A535	G	0.036	0.079	0.079
Hillsborough	4821	Sydney Farms, Inc	A470	G	0.187	0.418	0.418
Hillsborough	4821	Sydney Farms, Inc	A470	S	0.001	0.418	0.418
Hillsborough	4829	Alafia Berry Farms, LLC	A535	G	0.025	0.100	0.100
Hillsborough	4829	Alafia Berry Farms, LLC	A535	S	0.032	0.100	0.100
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	G	0.068	0.179	0.179
Hillsborough	4870	Richard & Gwendolyn Landrigan	A410	S	0.000	0.179	0.179
Hillsborough	4878	Larry & Judith Ennis	A535	G	0.044	0.065	0.065
Hillsborough	4961	Harvey Carr	A651	G	0.017	0.082	0.082
Hillsborough	4961	Harvey Carr	A651	S	0.006	0.082	0.082
Hillsborough	4996	Wayne Moss	A470	G	0.000	0.328	0.328
Hillsborough	4996	Wayne Moss	A470	S	0.000	0.328	0.328
Hillsborough	5156	Wylie L. and Carol A. Hinton	A535	G	0.049	0.411	0.411
Hillsborough	5156	Wylie L. and Carol A. Hinton	A535	S	0.015	0.411	0.411
Hillsborough	5204	Glenn & Frances Williamson	A535	G	0.078	0.095	0.095
Hillsborough	5237	Fidel & Hilda Castillo	A470	G	0.068	0.179	0.179
Hillsborough	5248	Stine Family Partnership, Ltd	A535	G	0.015	0.063	0.063
Hillsborough	5250	Charles G. Grimes Revocable Trust	A535	G	0.029	0.051	0.051
Hillsborough	5258	MS 58, LLC	A655	G	0.053	0.152	0.152
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	G	0.208	0.219	0.219
Hillsborough	5318	Astin Strawberry Property Management, LLC	A410	S	0.126	0.219	0.219
Hillsborough	5386	MS 61, LLC	A535	G	0.072	0.233	0.233
Hillsborough	5386	MS 61, LLC	A535	S	0.027	0.233	0.233
Hillsborough	5397	McIntosh Road Dover, LLC	A58S	G	0.087	0.195	0.195
Hillsborough	5429	Lee Gillman Jr. and Dixie Varnum Gillman	A535	G	0.070	0.102	0.102
Hillsborough	5429	Lee Gillman Jr. and Dixie Varnum Gillman	A535	S	0.156	0.102	0.102

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	5859	MacDonald Training Center Properties, Inc	A480	G	0.000	0.025	0.025
Hillsborough	5944	Pinai & Chuenkamol Nomchaury	A485	G	0.000	0.015	0.015
Hillsborough	6007	Felton C Walker Jr	A56F	G	0.000	0.354	0.354
Hillsborough	6043	Sassy Fruit Company	A415	G	0.086	0.062	0.062
Hillsborough	6060	Cecil Buzbee Farms, Inc	A525	G	0.001	0.082	0.082
Hillsborough	6095	Frances M. White	A535	G	0.056	0.253	0.253
Hillsborough	6100	City of Tampa	L715	G	0.002	0.181	0.003
Hillsborough	6130	MS 61, LLC	A535	G	0.038	0.098	0.098
Hillsborough	6138	Jack P., Meribeth J. Sizemore and Jack P. Sizemore, Trustee	A535	G	0.041	0.051	0.051
Hillsborough	6203	Cypress Ridge Ranch, LLLP	A56S	G	0.000	0.839	0.839
Hillsborough	6209	Homer Wall	A535	G	0.014	0.034	0.034
Hillsborough	6217	Palma Ceia Golf and Country Club, Inc.	A455	G	0.008	0.231	0.008
Hillsborough	6238	Trapnell Road Plant City, LLC	A56S	G	0.063	0.174	0.174
Hillsborough	6252	Dumke, Chad C. and Angela D.	A410	G	0.058	0.057	0.057
Hillsborough	6266	MS 55, LLC	A535	G	0.038	0.112	0.112
Hillsborough	6266	MS 55, LLC	A535	S	0.017	0.112	0.112
Hillsborough	6313	BBS Farms, Inc	A470	G	0.000	0.262	0.262
Hillsborough	6313	BBS Farms, Inc	A470	S	0.052	0.262	0.262
Hillsborough	6323	Terry Neal & Colleen Gail Fulton	A57F	G	0.023	0.054	0.054
Hillsborough	6324	Robert H. & Peggy E. Parke	A535	G	0.011	0.029	0.029
Hillsborough	6337	G. Marvin Brown Revocable Trust	A535	G	0.045	0.249	0.249
Hillsborough	6337	G. Marvin Brown Revocable Trust	A535	S	0.060	0.249	0.249
Hillsborough	6341	Cali Investments, LLC	A535	G	0.007	0.038	0.038
Hillsborough	6348	Dwight and Mary Aman	A535	G	0.000	0.101	0.101
Hillsborough	6360	Huntley Properties, LLC	A56S	G	0.000	0.104	0.104
Hillsborough	6375	Dominic and Csilla D'Agostino	A535	G	0.000	0.036	0.036
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	G	0.071	0.170	0.170
Hillsborough	6420	Linda Lawton- DKL Properties, LLC	A44S	S	0.005	0.170	0.170

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	6421	Jamie and Amanda Bell	A535	G	0.011	0.032	0.032
Hillsborough	6427	Jeanette Bennett Trustee	A415	G	0.006	0.028	0.028
Hillsborough	6428	Astin Strawberry Property Management, LLC	A535	G	0.005	0.089	0.089
Hillsborough	6428	Astin Strawberry Property Management, LLC	A535	S	0.000	0.089	0.089
Hillsborough	6443	Robert L. & Gloria J. Platt	A480	G	0.108	0.211	0.211
Hillsborough	6443	Robert L. & Gloria J. Platt	A480	S	0.002	0.211	0.211
Hillsborough	6449	Lowell Kinard	A535	G	0.010	0.082	0.082
Hillsborough	6470	Donald & Katherine Soddors	A535	G	0.019	0.027	0.027
Hillsborough	6479	Betty Astin	A535	G	0.019	0.053	0.053
Hillsborough	6479	Betty Astin	A535	S	0.033	0.053	0.053
Hillsborough	6480	Betty Astin, Trustee	A535	G	0.076	0.164	0.156
Hillsborough	6480	Betty Astin, Trustee	A535	S	0.018	0.164	0.156
Hillsborough	6500	R L and Evelyn Cain	A480	G	0.022	0.033	0.033
Hillsborough	6523	Loop Farms, LLC	A470	G	0.108	0.169	0.169
Hillsborough	6525	Mana Vuru, LLC	A58H	G	0.064	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	0.025	0.075	0.075
Hillsborough	6563	Scott And Susan Dumke	A410	G	0.172	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	0.136	0.161	0.161
Hillsborough	6627	George J. Peterson	A535	G	0.040	0.050	0.050
Hillsborough	6678	Farmland Reserve, Inc	A655	G	0.278	0.382	0.382
Hillsborough	6694	Michael Sayre	A535	G	0.000	0.024	0.024
Hillsborough	6708	Strawberry Red Ranch LLC	A535	G	0.025	0.181	0.181
Hillsborough	6743	Jimmy Garrison	A58S	G	0.021	0.044	0.044
Hillsborough	6748	Mary M Eppard	A535	G	0.004	0.022	0.022
Hillsborough	6767	Grady & Marie B. Harrell	A470	G	0.014	0.082	0.082
Hillsborough	6767	Grady & Marie B. Harrell	A470	S	0.064	0.082	0.082

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	6768	Mary L Keene Trustee	A535	G	0.051	0.077	0.077
Hillsborough	6779	Elmer S Rogers And Margaret G Rogers	A58S	G	0.029	0.052	0.052
Hillsborough	6781	Mathis Land Group, LLC	A535	G	0.050	0.071	0.071
Hillsborough	6807	Charlie Grimes Farms, LLC	A535	G	0.022	0.049	0.049
Hillsborough	6809	Sam Astin III and Buffy Astin	A470	G	0.013	0.106	0.106
Hillsborough	6809	Sam Astin III and Buffy Astin	A470	S	0.000	0.106	0.106
Hillsborough	6817	Vivian C Patisaul, Trustee The Patisaul Family Trust	A58S	G	0.076	0.065	0.065
Hillsborough	6825	Darryl Williams	A535	G	0.021	0.035	0.035
Hillsborough	6831	Astin Strawberry Property Management, LLC	A535	G	0.025	0.061	0.061
Hillsborough	6849	Harold and Martha Fisher Rev Trust	A535	G	0.009	0.036	0.036
Hillsborough	6851	Robert M & Mary Jane Rogers	A480	G	0.198	0.276	0.276
Hillsborough	6855	Sizemore Properties, LLC	A415	G	0.000	0.016	0.016
Hillsborough	6860	Corrie Leroy Lariscy	A535	G	0.026	0.058	0.058
Hillsborough	6860	Corrie Leroy Lariscy	A535	S	0.000	0.058	0.058
Hillsborough	6892	Andrew Dew Leung, Yeeho Chu & Choo Kok Yeng	A56S	G	0.121	0.532	0.532
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	G	0.028	0.059	0.059
Hillsborough	7005	Jack P. & Maribeth J. Sizemore	A535	S	0.014	0.059	0.059
Hillsborough	7007	Astin Strawberry Property Management, LLC	A535	G	0.000	0.022	0.022
Hillsborough	7032	Stephen Schmidt	A535	G	0.051	0.092	0.092
Hillsborough	7032	Stephen Schmidt	A535	S	0.000	0.092	0.092
Hillsborough	7035	BBS Farms, Inc	A470	G	0.036	0.216	0.216
Hillsborough	7038	Bloomingle Golf LLC	A460	G	0.001	0.087	0.005
Hillsborough	7049	G & G Farms, LLC	A535	G	0.053	0.120	0.120
Hillsborough	7055	Dennis Der and Lori Ann Der	A490	G	0.003	0.027	0.027
Hillsborough	7058	Gerald Davis, Inc	A480	G	0.052	0.125	0.125
Hillsborough	7059	Charlie Grimes Farms, LLC	A535	G	0.025	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	0.022	0.015	0.015

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	7082	Robert L and Barbara A Carter, Trustees	A535	G	0.100	0.139	0.139
Hillsborough	7082	Robert L and Barbara A Carter, Trustees	A535	S	0.016	0.139	0.139
Hillsborough	7083	Astin Strawberry Property Management, LLC	A655	G	0.012	0.032	0.032
Hillsborough	7084	Wish Farms Land Holdings, LLC	A535	G	0.026	0.037	0.037
Hillsborough	7102	Helen A. Parke Revocable Trust	A535	G	0.001	0.154	0.154
Hillsborough	7117	Pacific Agricultural Research Corp	A58S	G	0.080	0.139	0.139
Hillsborough	7118	Charlie Grimes Farms, LLC	A535	G	0.050	0.076	0.076
Hillsborough	7150	Cedar Haven Inc	A415	G	0.009	0.014	0.014
Hillsborough	7183	I-4 Ventures, LLC	A490	G	0.283	0.092	0.092
Hillsborough	7184	Manit and Nussara Piluek	A445	G	0.000	0.014	0.014
Hillsborough	7190	Dennis & Linda L Spivey	A535	G	0.181	0.171	0.171
Hillsborough	7232	Frances White	A535	G	0.190	0.307	0.307
Hillsborough	7232	Frances White	A535	S	0.000	0.307	0.307
Hillsborough	7239	Riverview Flower Farm Partnershp	A480	G	0.021	0.107	0.107
Hillsborough	7260	Tampa Electric Company	A56S	G	0.000	0.243	0.243
Hillsborough	7261	Hillsborough County BOCC	L707	G	0.000	0.002	0.000
Hillsborough	7286	Lithia Road Plant City, LLC	A535	G	0.032	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	0.001	0.007	0.007
Hillsborough	7405	Mathis Land Group, LLC	A535	G	0.025	0.056	0.053
Hillsborough	7405	Mathis Land Group, LLC	A535	S	0.000	0.056	0.053
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	G	0.332	0.256	0.256
Hillsborough	7417	Astin Strawberry Property Management, LLC	A410	S	0.000	0.256	0.256
Hillsborough	7422	David & Joyce Stanaland Family Trust	A410	G	0.001	0.015	0.015
Hillsborough	7458	Thomas L. and Barbara J. Fulford Trust	A415	G	0.000	0.012	0.012
Hillsborough	7466	The Pamela L. Greene Rev. Living Trust	A535	G	0.000	0.060	0.060
Hillsborough	7467	Arthur Earl Staggs	A535	G	0.055	0.091	0.091
Hillsborough	7486	C.W. Dukes	A535	G	0.011	0.017	0.017

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	7511	Elmer & Lorene Lawson	A56S	G	0.000	0.038	0.038
Hillsborough	7512	Patricia Elliott	A535	G	0.000	0.097	0.097
Hillsborough	7512	Patricia Elliott	A535	S	0.000	0.097	0.097
Hillsborough	7516	Fidel & Hilda Castillo	A535	G	0.008	0.032	0.032
Hillsborough	7579	Moss, LLC	A535	G	0.122	0.230	0.230
Hillsborough	7640	Robert H. & Peggy E. Parke	A535	G	0.051	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	0.003	0.106	0.106
Hillsborough	7642	Velma Ruth Johnson	A51S	S	0.030	0.106	0.106
Hillsborough	7715	Cameron Citrus Corp	A415	G	0.000	0.023	0.023
Hillsborough	7741	William Perry Stokes	A470	G	0.009	0.041	0.041
Hillsborough	7765	William E. and Judith C. Meek	A655	G	0.042	0.100	0.100
Hillsborough	7765	William E. and Judith C. Meek	A655	S	0.001	0.100	0.100
Hillsborough	7770	Fidel & Hilda Castillo	A535	G	0.244	0.222	0.222
Hillsborough	7770	Fidel & Hilda Castillo	A535	S	0.000	0.222	0.222
Hillsborough	7782	The Closshey South 39 Farm, LLC	A535	G	0.070	0.081	0.081
Hillsborough	7782	The Closshey South 39 Farm, LLC	A535	S	0.000	0.081	0.081
Hillsborough	7820	Pam Dapson	A410	G	0.000	0.007	0.007
Hillsborough	7880	MS 58, LLC	A51S	G	0.046	0.123	0.123
Hillsborough	7895	GDK Land Trust	A480	G	0.127	0.347	0.347
Hillsborough	7922	Sizemore Properties, LLC	A410	G	0.000	0.027	0.027
Hillsborough	7978	Joseph R Goodson & Donna Jo Goodson	A535	G	0.006	0.027	0.027
Hillsborough	7984	Richard and Stacy DelCastillo	A535	G	0.009	0.016	0.016
Hillsborough	7993	Winfred & Sue Harrell Investments, LLLP	A480	G	0.024	0.020	0.020
Hillsborough	8015	George and Patricia Sprouse	A535	G	0.000	0.029	0.029
Hillsborough	8036	C. Dennis Carlton	A51S	G	0.000	0.440	0.440
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	G	0.070	0.207	0.207
Hillsborough	8048	Indi-Gro Holdings, LLC	A480	S	0.007	0.207	0.207

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	0.035	0.119	0.119
Hillsborough	8110	Karon Corner, Successor Trustee of Jo Alice McDonald Rev Trust	A535	G	0.011	0.038	0.038
Hillsborough	8121	William Bailey	A410	G	0.002	0.009	0.009
Hillsborough	8138	OJ Family Farms, LLC	A535	G	0.069	0.062	0.062
Hillsborough	8161	Gregory & Jennifer Shiver	A480	G	0.013	0.026	0.026
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	G	0.032	0.065	0.065
Hillsborough	8172	Betty, Suzanne, Sam, and Laura Astin, Trustees	A535	S	0.000	0.065	0.065
Hillsborough	8173	Astin Strawberry Property Management, LLC	A535	G	0.105	0.228	0.228
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	G	0.007	0.144	0.144
Hillsborough	8202	Sam Astin III & Buffy S Astin	A535	S	0.091	0.144	0.144
Hillsborough	8227	Farkas Investments Inc	A415	G	0.000	0.017	0.017
Hillsborough	8342	Loop Farms, LLC	A535	G	0.134	0.498	0.489
Hillsborough	8342	Loop Farms, LLC	A535	S	0.000	0.498	0.489
Hillsborough	8373	Haggard Living Trust	A480	G	0.037	0.055	0.055
Hillsborough	8373	Haggard Living Trust	A480	S	0.063	0.055	0.055
Hillsborough	8410	41 Ruskin, LLC	A487	G	0.017	0.156	0.156
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	G	0.022	0.118	0.118
Hillsborough	8428	Donini Investments, Inc, c/o John and Gina Donini	A535	S	0.000	0.118	0.118
Hillsborough	8445	Tampa Electric Company	A535	G	0.000	0.371	0.371
Hillsborough	8450	Farmland Reserve, Inc	A58S	G	1.147	3.546	3.546
Hillsborough	8490	Astin Strawberry Property Management	A535	G	0.033	0.058	0.058
Hillsborough	8492	Ruis L, Linda J, David L, and Marcie K Drawdy	L660	G	0.139	0.254	0.254
Hillsborough	8497	Eljay Properties, LLP	L660	G	0.394	0.475	0.475
Hillsborough	8563	The T.G. and Laverne Robinson Family Partnership, LTD	A415	G	0.000	0.087	0.047
Hillsborough	8574	Pleasant/Wimauma Groves Ltd	A415	G	0.000	0.058	0.058
Hillsborough	8575	Edith S Knox, Trustees of Knox Living Trust	A535	G	0.120	0.056	0.056
Hillsborough	8576	Hopewell Baptist Church Inc & Church Old Cemetery Inc	A415	G	0.003	0.020	0.020
Hillsborough	8578	Wilbur R Reschly	A415	G	0.010	0.017	0.017

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	8591	Richard A & Francine J Grewe	A415	G	0.008	0.011	0.011
Hillsborough	8686	Fresh Pak Produce, Inc	A535	G	0.041	0.082	0.082
Hillsborough	8687	Mary L. Keene as Trustee of the William K. Keene Family Trust	A535	G	0.084	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	0.008	0.039	0.006
Hillsborough	8717	Hillsborough County School Board	A535	G	0.003	0.023	0.006
Hillsborough	8729	Farmland Reserve, Inc	A56S	G	0.000	1.064	1.064
Hillsborough	8793	Diaz Family Properties, LLC	L660	G	0.002	0.481	0.481
Hillsborough	8810	Dale S. Wright Revocable Living Trust	A495	G	0.000	0.249	0.249
Hillsborough	8824	William & Barbara Bridges	A535	G	0.012	0.020	0.020
Hillsborough	8842	Winfred & Sue Harrell Investments, LLLP	A480	G	0.042	0.042	0.042
Hillsborough	8842	Winfred & Sue Harrell Investments, LLLP	A480	S	0.000	0.042	0.042
Hillsborough	8873	Sam Jr & Betty Astin	A535	G	0.108	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	0.094	0.181	0.181
Hillsborough	8916	Winfred & Sue Harrell Investments, LLLP	A480	G	0.120	0.088	0.088
Hillsborough	8946	Peggy A. Waller and Ferris S. Waller	A415	G	0.000	0.067	0.067
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	A535	G	0.000	0.027	0.025
Hillsborough	8983	Ricardo Aleman and Kathryn Watterson	A415	G	0.005	0.010	0.010
Hillsborough	8999	Hull Citrus Properties, Inc	A58S	G	0.138	0.301	0.301
Hillsborough	9019	Wayne Moss	A470	G	0.091	0.177	0.177
Hillsborough	9024	Travis Council	A56S	G	0.059	0.112	0.112
Hillsborough	9056	Wendell Brantley, Trustee	A44S	G	0.040	0.130	0.130
Hillsborough	9062	Thomas F & Ellen S Folsom	A415	G	0.000	0.039	0.039
Hillsborough	9194	R. P. Co., Inc	L660	G	0.160	0.685	0.685
Hillsborough	9224	The Charles G. Grimes, Sr. Family LTP	A535	G	0.070	0.299	0.299
Hillsborough	9238	Jose A & Teresa Chavez Hernandez	A535	G	0.017	0.052	0.052
Hillsborough	9277	Marian Jeanette Hall	A635	G	0.017	0.058	0.058

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	9278	Elias & Lorena Gutierrez	A535	G	0.025	0.044	0.044
Hillsborough	9286	Wayne Moss	A535	G	0.009	0.014	0.014
Hillsborough	9315	Wilmer E & Joyce Woodard	A535	G	0.011	0.022	0.022
Hillsborough	9323	RJJAMS, LLC	A655	G	0.025	0.053	0.053
Hillsborough	9456	Wanda M Stewart Trustee Uad 8-08	A535	G	0.051	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	0.018	0.052	0.052
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	G	0.284	0.581	0.581
Hillsborough	9585	Ocean Breeze Properties, LLC	A525	S	0.018	0.581	0.581
Hillsborough	9611	Valle Del Sol Properties, LLC	A535	G	0.029	0.186	0.186
Hillsborough	9625	Uleric Eugene and Martha Cowart	A415	G	0.009	0.013	0.013
Hillsborough	9633	G&D Farms, Inc	A535	G	0.180	0.336	0.336
Hillsborough	9633	G&D Farms, Inc	A535	S	0.000	0.336	0.336
Hillsborough	9655	Loop Farms, LLC	A480	G	0.003	0.106	0.106
Hillsborough	9658	Keel Farms, Inc	A410	G	0.031	0.065	0.062
Hillsborough	9658	Keel Farms, Inc	A410	S	0.000	0.065	0.062
Hillsborough	9674	Charlie Grimes Farms, LLC	A535	G	0.002	0.130	0.130
Hillsborough	9701	Branch Land Company, LLC	A415	G	0.000	0.030	0.030
Hillsborough	9811	David R. & Joyce Stanaland Family Trust	A410	G	0.007	0.013	0.013
Hillsborough	9888	Fidel & Hilda Castillo	A535	G	0.017	0.047	0.047
Hillsborough	9908	M G and S F Williamson Family, LLC	A410	G	0.024	0.099	0.099
Hillsborough	9915	Razorback Ranch II, LLC	A415	G	0.131	0.293	0.293
Hillsborough	9936	Wimauma Grove, LLC	A535	G	0.048	0.139	0.139
Hillsborough	9948	Loop Farms, LLC	A535	G	0.055	0.217	0.217
Hillsborough	9980	Michael & Jessica Young	A535	G	0.000	0.029	0.029
Hillsborough	10003	Velma Newsome Groves, Inc	A535	G	0.055	0.035	0.035
Hillsborough	10007	Sweet Life Farms, LLC	A535	G	0.066	0.310	0.310
Hillsborough	10007	Sweet Life Farms, LLC	A535	S	0.025	0.310	0.310

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	G	0.145	0.173	0.173
Hillsborough	10010	Lance H. Ham & Norma G. Ham Revocable Living Trust	A470	S	0.126	0.173	0.173
Hillsborough	10021	Eljay Properties, LLP	L661	G	0.342	0.450	0.450
Hillsborough	10038	Sunripe Growers Corp	A635	G	0.028	0.068	0.068
Hillsborough	10066	Florida Acecapaders, Inc	L630	G	0.001	0.029	0.007
Hillsborough	10080	Perfection Partners, Ltd	A415	G	0.011	0.029	0.029
Hillsborough	10117	Donald M & Deborah L Balaban	A535	G	0.061	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	0.056	0.093	0.093
Hillsborough	10165	Bruce Michael Lott	A58S	G	0.108	0.151	0.151
Hillsborough	10212	Wilbur Reschly	A415	G	0.000	0.017	0.017
Hillsborough	10303	Jon Berry	A415	G	0.000	0.013	0.013
Hillsborough	10345	S & H Mathis, LLC	A535	G	0.595	0.097	0.097
Hillsborough	10354	Midway Farms, LLC	A535	G	0.013	0.037	0.037
Hillsborough	10363	Virginia J. and Douglas J Leetun	A480	G	0.000	0.029	0.029
Hillsborough	10402	Harold F. Dukes	A535	G	0.027	0.073	0.073
Hillsborough	10431	Ronya Properties LLC	A58S	G	0.050	0.093	0.093
Hillsborough	10431	Ronya Properties LLC	A58S	S	0.010	0.093	0.093
Hillsborough	10461	Wayne G. Moss	A535	G	0.015	0.236	0.236
Hillsborough	10466	Sun City Tree Farms, A Florida General Partnership	A480	G	0.079	0.281	0.281
Hillsborough	10467	Dennis & Linda Spivey	A535	G	0.016	0.030	0.030
Hillsborough	10486	Robert D and Gwen D Aman	A415	G	0.013	0.011	0.011
Hillsborough	10629	Antonio Gutierrez and Dora N Trevino	A535	G	0.016	0.022	0.022
Hillsborough	10654	Ellel Ministries USA Inc	A535	G	0.000	0.189	0.189
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	G	0.098	0.235	0.235
Hillsborough	10688	Ronald L. and Elizabeth A. McClendon, Trustees	A535	S	0.000	0.235	0.235
Hillsborough	10738	Perfection Partners, Ltd	A415	G	0.000	0.016	0.016

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	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	0.032	0.043	0.043
Hillsborough	10824	Keysville Road Plant City, LLC	A535	G	0.139	0.203	0.203
Hillsborough	10824	Keysville Road Plant City, LLC	A535	S	0.076	0.203	0.203
Hillsborough	10839	R and D Properties of Brandon, Inc	A535	G	0.012	0.015	0.015
Hillsborough	10876	Mac Greco, Jr	A525	G	0.032	0.040	0.040
Hillsborough	10883	Danny Loyd and Sandra McGavin	A480	G	0.002	0.071	0.071
Hillsborough	10911	Kenneth & Sarah Dance Trust Agreement	A415	G	0.024	0.031	0.031
Hillsborough	10939	Jo Alice F. McDonald	A655	G	0.014	0.047	0.047
Hillsborough	10999	Hopewell Land Partners, LLC	A415	G	0.000	0.147	0.147
Hillsborough	10999	Hopewell Land Partners, LLC	A415	S	0.000	0.147	0.147
Hillsborough	11048	Berkshire Investments, LLC	A535	G	0.014	0.029	0.029
Hillsborough	11102	Stine Family Partnership, LTD	A535	G	0.027	0.037	0.037
Hillsborough	11164	Ashlyn Gude	A535	G	0.045	0.134	0.134
Hillsborough	11181	Tampa Electric Company (Multi County w Polk)	A56S	G	0.000	1.591	1.587
Hillsborough	11307	Charles L. and Norma G. Woodard	A420	G	0.017	0.010	0.010
Hillsborough	11390	Elias & Lorena Gutierrez	A535	G	0.123	0.237	0.237
Hillsborough	11390	Elias & Lorena Gutierrez	A535	S	0.000	0.237	0.237
Hillsborough	11457	Futch Properties Inc	A535	G	0.072	0.249	0.249
Hillsborough	11457	Futch Properties Inc	A535	S	0.024	0.249	0.249
Hillsborough	11474	Astin Strawberry Property Management, LLC	A535	G	0.723	0.273	0.273
Hillsborough	11491	Huntley Properties, LLC	A535	G	0.074	0.122	0.122
Hillsborough	11494	Winfred & Sue Harrell Investments, LLLP	A480	G	0.240	0.125	0.125
Hillsborough	11508	The Conrad Family Limited Partnership	A415	G	0.044	0.032	0.032
Hillsborough	11553	James R. & Cathy Ennis Townsend, Jr	A56S	G	0.012	0.070	0.070
Hillsborough	11661	C. Dennis Carlton Sr	A535	G	0.177	0.367	0.367
Hillsborough	11661	C. Dennis Carlton Sr	A535	S	0.085	0.367	0.367

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	11679	James & Gina Silas	A651	G	0.021	0.028	0.028
Hillsborough	11726	Winfred & Sue Harrell Investments, LLLP	A480	G	0.247	0.273	0.273
Hillsborough	11733	John & Inell White	A535	G	0.065	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	0.014	0.208	0.208
Hillsborough	11810	Everett F. and Sharon S. Prevatt	A470	S	0.000	0.208	0.208
Hillsborough	11916	Michael and Ricky Goodson	A655	G	0.236	0.288	0.288
Hillsborough	11969	Charles G. Grimes Rev. Trust and Betty J. Grimes Rev. Trust	A535	G	0.056	0.092	0.092
Hillsborough	11977	Hillsborough County BOCC	A56S	G	0.000	0.635	0.635
Hillsborough	12030	Sizemore Farms, Inc	A470	G	0.110	0.236	0.236
Hillsborough	12077	Cherri N. Clark	A535	G	0.012	0.016	0.016
Hillsborough	12212	60 Jerry Smith, LLC	A535	G	0.007	0.101	0.101
Hillsborough	12287	Neville Clayton Davis, Jr.	A535	G	0.045	0.139	0.139
Hillsborough	12299	Jeremie W. & Samantha K. Hayford	A410	G	0.005	0.013	0.013
Hillsborough	12315	Robert H Parke & Peggy E Parke	A535	S	0.057	0.134	0.134
Hillsborough	12329	Dover Real Estate Investments LLC	A480	G	0.105	0.102	0.102
Hillsborough	12329	Dover Real Estate Investments LLC	A480	S	0.013	0.102	0.102
Hillsborough	12333	Arthur Earl Staggs	A480	G	0.087	0.026	0.026
Hillsborough	12350	James Austin Borchard	A535	G	0.017	0.133	0.133
Hillsborough	12361	DiMare Ruskin LLC	A56S	G	0.077	0.604	0.604
Hillsborough	12363	Fancy Farms, Inc	A535	G	0.021	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	0.069	0.072	0.072
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	G	0.022	0.088	0.088
Hillsborough	12445	Glenn W. & Pamela K. Hart	A56S	S	0.028	0.088	0.088
Hillsborough	12452	Goodson Family, LLLP	A655	G	0.294	0.541	0.541
Hillsborough	12480	Montesco Group, LLC	A535	G	0.071	0.125	0.125
Hillsborough	12523	UF Institute of Food and Agricultural Sciences	A520	G	0.254	0.598	0.598

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	12538	Floyd Williams and Ann Marie Williams Rev Trust Agreements	A410	G	0.007	0.048	0.048
Hillsborough	12639	WHS Land, LLC	A480	G	0.091	0.171	0.171
Hillsborough	12787	McIntosh Road Dover, LLC	A535	G	0.083	0.163	0.163
Hillsborough	12793	S&H Mathis, LLC	A58S	G	0.031	0.071	0.071
Hillsborough	12806	Mattie Louise Williams 2001 Trust; Darryl Williams, Trustee	A535	G	0.019	0.039	0.039
Hillsborough	12811	Alan E Hall, Trustee, Hall Family Irrevocable Trust	A535	G	0.003	0.029	0.029
Hillsborough	12819	Andrew E & Karen S Rogers	A535	G	0.041	0.041	0.041
Hillsborough	12821	Greg W. and Karen S. Lawson	A535	G	0.032	0.057	0.057
Hillsborough	12822	Fidel & Hilda Castillo	A51S	G	0.033	0.064	0.064
Hillsborough	12822	Fidel & Hilda Castillo	A51S	S	0.006	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	0.029	0.062	0.062
Hillsborough	12859	The Montesco Group, LLC	A535	G	0.013	0.028	0.028
Hillsborough	12883	L. O. Vickers	A655	G	0.008	0.034	0.034
Hillsborough	12935	Roger Gilford	A535	G	0.018	0.019	0.019
Hillsborough	12998	Carter Family Living Trust	A655	G	0.044	0.094	0.094
Hillsborough	13060	Gary A. Craig	A480	G	0.001	0.074	0.074
Hillsborough	13087	Bruce Rumph	A480	G	0.097	0.134	0.134
Hillsborough	13176	Mary Lett Keene, Trustee	A535	G	0.022	0.043	0.043
Hillsborough	13296	J. Aprile Properties, LLC	A535	G	0.047	0.084	0.084
Hillsborough	13296	J. Aprile Properties, LLC	A535	S	0.000	0.084	0.084
Hillsborough	13327	Alta Groves, Inc	A51S	G	0.002	0.061	0.061
Hillsborough	20000	GLH-SR 60 25, LLC	A535	G	0.013	0.041	0.041
Hillsborough	20010	Raeann Randall	A535	G	0.015	0.022	0.022
Hillsborough	20010	Raeann Randall	A535	S	0.011	0.022	0.022
Hillsborough	20019	Astin Strawberry Property Management, LLC	A535	G	0.000	0.097	0.097
Hillsborough	20034	Innovative Land Management, LLC	A410	G	0.012	0.194	0.194

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	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	0.000	0.242	0.242
Hillsborough	20038	Carrie Lou Dorman as Trustee of the Carrie Lou Dorman Trust	A655	S	0.008	0.242	0.242
Hillsborough	20102	Talal Properties Ltd	A535	G	0.002	0.014	0.014
Hillsborough	20109	Sam Astin III	A470	G	0.008	0.051	0.051
Hillsborough	20109	Sam Astin III	A470	S	0.000	0.051	0.051
Hillsborough	20111	James S Nahas as Trustee of the Nahas Family Living Trust	A535	G	0.000	0.152	0.152
Hillsborough	20111	James S Nahas as Trustee of the Nahas Family Living Trust	A535	S	0.091	0.152	0.152
Hillsborough	20139	Rod Marvel	A470	G	0.000	0.045	0.045
Hillsborough	20150	North Park Isle Development LLC	A535	G	0.005	0.151	0.151
Hillsborough	20159	Earl C. Godwin and Dorothy R. Godwin, Trustees	A535	S	0.000	0.044	0.044
Hillsborough	20160	Hilda Castillo	A535	G	0.000	0.031	0.031
Hillsborough	20160	Hilda Castillo	A535	S	0.022	0.031	0.031
Hillsborough	20161	Terry O. and Daphne C. Ballard, et al	A535	G	0.035	0.076	0.076
Hillsborough	20181	Oak Hammock Ranch, LLC	A410	G	0.034	0.055	0.055
Hillsborough	20187	Kelsey Court LLC	A535	G	0.065	0.061	0.061
Hillsborough	20228	Aristeo and Esperanza Gutierrez and Millard C. Dubose Jr.	A535	S	0.009	0.058	0.058
Hillsborough	20229	Bobbie Ann Parrish Dec of Trust & Charles D. Parrish	A535	G	0.040	0.049	0.049
Hillsborough	20231	Knights Griffin, LLC	A535	G	0.000	0.035	0.035
Hillsborough	20270	Charanji Duggal	A410	G	0.020	0.044	0.044
Hillsborough	20270	Charanji Duggal	A410	S	0.006	0.044	0.044
Hillsborough	20276	The Montesco Group, LLC	A470	G	0.045	0.048	0.048
Hillsborough	20277	Sizemore Properties, LLC.	A415	G	0.000	0.043	0.043
Hillsborough	20310	Eljay Properties, LLP	L661	G	0.133	0.211	0.211
Hillsborough	20348	North Thirty LLC	A415	G	0.001	0.047	0.047
Hillsborough	20461	GLH Enterprises, LLLP	A470	G	0.000	0.295	0.295
Hillsborough	20501	George and/or Marie Lipsey	A415	G	0.001	0.018	0.018
Hillsborough	20513	Caroline A. Perocchi Revocable Trust	A535	G	0.002	0.063	0.063

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	20513	Caroline A. Perocchi Revocable Trust	A535	S	0.030	0.063	0.063
Hillsborough	20515	Mathis Land Group, LLC	A535	G	0.020	0.028	0.028
Hillsborough	20571	William G. and Lenna Fay Stone	A535	G	0.011	0.007	0.007
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	G	0.399	1.971	1.891
Hillsborough	20585	Loop Range 21 Realty, LLC	A470	S	0.000	1.971	1.891
Hillsborough	20593	Richard & Peggy Peacock	A651	G	0.043	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	0.024	0.028	0.028
Hillsborough	20715	Alan Register	A51S	G	0.026	0.050	0.050
Hillsborough	20725	Airport and Hillsborough, LLC	A56S	G	0.282	0.410	0.410
Hillsborough County Totals					33.400	Metered, mgd	
					7.888	Estimated, mgd, 334 WUPs	
					41.288	Total, mgd	
Lake	1347	Tom Thayer Citrus Inc	A415	G	0.295	0.545	0.545
Lake	8090	Green Swamp Ranch LLC	A410	G	0.052	0.141	0.141
Lake	8090	Green Swamp Ranch LLC	A410	S	0.000	0.141	0.141
Lake County Totals					0.347	Metered, mgd	
					0.520	Estimated, mgd, 13 WUPs	
					0.867	Total, mgd	
Levy	5095	Williston Peanuts, Inc	A52S	G	2.861	2.057	2.057
Levy	5122	Whitehurst Cattle Company	A525	G	0.082	2.671	2.671
Levy	5160	Sandlin Farms	A52S	G	0.126	1.017	1.017
Levy	6586	B&G Family Partnership LLLP	A500	G	0.257	0.654	0.642
Levy	8219	Damon & Sharon Sandlin	A52S	G	0.144	0.813	0.813
Levy	10023	AEG Associates LLC	A52S	G	0.311	0.677	0.677
Levy	11008	Waldrep Enterprises LLLP	A495	G	0.011	0.985	0.985
Levy	11026	Brown Pelican Farms LLC	A500	G	2.022	1.485	1.485
Levy	13339	Marshall Tree Farm, Inc	A485	G	1.184	2.436	2.436

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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 County Totals					6.997	Metered, mgd	
					3.855	Estimated, mgd, 73 WUPs	
					10.852	Total, mgd	
Manatee	503	J.T. Reeder Partners, LLLP	A56F	G	0.000	0.875	0.867
Manatee	2933	Bruce E Leland S Gary L & Brent D Shackelford	A515	G	0.801	1.339	1.339
Manatee	3744	Taylor Woodrow Communities at Artisan Lake, LLC	A525	G	0.234	0.459	0.243
Manatee	3794	ESDA Realty Inc	A525	G	0.000	0.340	0.340
Manatee	3796	Revocable Living Trust Agreement of Ira L. Carlton	A490	G	0.000	0.085	0.085
Manatee	3808	ATS Ag Ventures LLC	A415	G	0.048	0.153	0.153
Manatee	3832	The Arlin Taylor Ranch Limited Partnership	A56F	G	0.363	0.598	0.598
Manatee	3838	CSPR LTD	A58S	G	0.129	0.252	0.252
Manatee	3847	L3 Partnership LLP dba L3 Farms	A56F	G	2.730	6.226	6.226
Manatee	3848	Dimare Homestead Inc	A56S	G	0.754	4.802	4.802
Manatee	3853	Florida Triple 7 Ranch, LLC	A485	G	0.000	0.249	0.249
Manatee	3924	Northwest Manatee, LLC	A495	G	0.000	0.280	0.280
Manatee	3975	John Falkner, LLC	A56S	G	2.060	6.960	6.960
Manatee	4049	Sorrells Groves, Inc	A415	G	0.563	0.936	0.936
Manatee	4190	Myakka River Properties Inc	A56F	G	0.000	0.123	0.123
Manatee	4228	Peace Valley Groves, Inc	A415	G	0.189	0.281	0.281
Manatee	4309	CC Manatee Development LLC	A495	G	0.000	0.624	0.615
Manatee	4309	CC Manatee Development LLC	A495	S	0.000	0.624	0.615
Manatee	4378	Emil and Cheryl Carlton	A56F	G	0.000	0.319	0.319
Manatee	4412	Riverview Grove Ltd	A56S	G	0.101	3.417	3.417
Manatee	4412	Riverview Grove Ltd	A56S	S	0.000	3.417	3.417
Manatee	4447	Florida Power & Light Company	A56S	G	0.008	0.503	0.503
Manatee	4453	Mon Chou Peu Bull, LLC	A615	G	0.193	0.388	0.388
Manatee	4467	John Falkner, LLC	A56S	G	2.513	9.778	9.773
Manatee	4580	Triangle Ranch, LLC	A490	G	0.000	0.136	0.136

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	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	0.067	0.340	0.340
Manatee	4761	Johnson-Manatee Holdings, LLC	A415	S	0.000	0.340	0.340
Manatee	4780	William, Jon and Douglas Cone, and Ida and Matthew Desear	A495	G	0.050	0.430	0.430
Manatee	4789	Hunsader Farms, Inc	A56S	G	0.000	1.747	1.747
Manatee	5058	McCarlton Partners Ltd	A525	G	0.000	0.466	0.466
Manatee	5309	Cargor PartnersVI-Buckeye 928 LC	A415	G	0.000	0.236	0.236
Manatee	5310	Port Manatee Land, LLC	A56F	G	0.037	0.196	0.196
Manatee	5384	Myrna A Jordan Trust	A56S	G	0.144	0.375	0.375
Manatee	5423	Florida Power & Light Company	A470	G	0.312	0.882	0.810
Manatee	5444	Manatee County School District	A56S	G	0.097	0.271	0.244
Manatee	5459	Pen Bay I, LLC	A480	G	0.000	0.053	0.053
Manatee	5461	Lake Flores I, LLC	A56S	G	0.240	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	1.034	2.002	2.002
Manatee	5514	McClure Properties, LTD	A56S	G	0.659	5.985	5.985
Manatee	5599	LF LLC	A470	G	0.000	0.300	0.300
Manatee	5617	Medallion Home at Ft Hamer, LLC	A700	G	0.012	0.332	0.116
Manatee	5620	Hiram C Saffold	A51S	G	0.017	0.678	0.678
Manatee	5649	Mark Holdren & Roger E. Triplett	A480	G	0.005	0.009	0.009
Manatee	5689	Farren R & Christina M Dakin	L615	G	0.192	0.412	0.412
Manatee	5693	Andy D Taylor Ranch LLC	A490	G	0.036	0.136	0.136
Manatee	6059	M Plus Ranch Inc	A56S	G	0.000	1.004	1.004
Manatee	6077	McClure Properties, LTD	A465	G	1.038	3.078	3.078
Manatee	6667	Heart Groves Inc	A415	G	0.271	0.733	0.733
Manatee	6668	QC Desoto Grove Ventures, LLC	A415	G	0.084	0.307	0.307
Manatee	6915	Janice Lee Ranch & 3B Partnership (Multi-County w DeSoto)	A415	G	0.063	1.228	1.228

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	6945	Mosaic Fertilizer, LLC	A415	G	0.001	0.031	0.031
Manatee	6981	Mosaic Fertilizer, LLC	A515	G	0.070	0.367	0.367
Manatee	7031	Adamatmar, LLC	A56S	G	0.000	0.318	0.318
Manatee	7085	Turner Groves Citrus Limited Partnership	A50F	G	1.460	1.538	1.538
Manatee	7350	Felton C Walker Jr	A56S	G	0.730	1.693	1.693
Manatee	7502	Big Red Bull LLC	A495	G	0.130	0.688	0.688
Manatee	7631	McClure Properties, LTD	A56F	G	0.114	0.849	0.849
Manatee	7649	Robert M. and Betty Jo Moody	A525	G	0.094	0.336	0.336
Manatee	7724	FLM, Inc	A480	G	0.033	0.927	0.927
Manatee	7846	Schroeder-Manatee Ranch, Inc (Multi County w Sarasota)	A525	G	0.003	18.238	3.091
Manatee	7846	Schroeder-Manatee Ranch, Inc (Multi County w Sarasota)	A525	S	0.000	18.238	3.091
Manatee	7891	DME Holdings, LLC	A415	G	0.530	0.402	0.402
Manatee	7998	QC Desoto Grove Ventures, LLC (Multi County w Hardee)	A415	G	0.155	0.465	0.465
Manatee	8102	Jordan and Jordan Inc	A415	G	0.050	0.126	0.126
Manatee	8420	James R Grainger II	A415	G	0.092	1.266	1.266
Manatee	8421	4 Star Tomato Inc	A465	G	0.562	1.253	1.253
Manatee	8638	Jefferson Manatee, LLC	A525	G	0.125	0.663	0.663
Manatee	8694	QC Manatee Groves LLC	A415	G	0.296	0.574	0.574
Manatee	8829	Whisenant Farms, Inc	A56S	G	0.056	1.278	1.278
Manatee	8904	Walker Pasture LLC	A525	G	0.197	0.516	0.516
Manatee	8912	J. Gary Russ, Cathryne Russ, & Christopher Russ	A415	G	0.030	0.168	0.168
Manatee	8987	Detwiler Farms, LLC	A535	G	0.000	0.130	0.130
Manatee	8987	Detwiler Farms, LLC	A535	S	0.000	0.130	0.130
Manatee	9014	Good Grove Investments, LLC	A415	G	0.944	1.815	1.815
Manatee	9025	John Falkner, LLC	A51S	G	0.476	1.459	1.459
Manatee	9089	FFD Land Co Inc	A56S	G	1.074	2.791	2.779
Manatee	9113	QC Desoto Grove Ventures, LLC	A415	G	0.108	0.157	0.157
Manatee	9227	Mosaic Fertilizer, LLC	A415	G	0.018	0.079	0.079

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	9348	Elizabeth A Johnson Family Land Trust	A646	G	0.000	0.754	0.754
Manatee	9375	Byron R. Hodgins Revocable Trust	A56S	G	0.002	0.346	0.346
Manatee	9375	Byron R. Hodgins Revocable Trust	A56S	S	0.016	0.346	0.346
Manatee	9391	WFA Land Company, Inc	A655	G	2.971	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	0.000	0.486	0.486
Manatee	9526	Three D Farms, LLC	A56S	S	0.000	0.486	0.486
Manatee	9603	Chung Shuen Farm, Inc	A56S	G	0.003	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	0.030	1.831	1.831
Manatee	9817	Benny Albritton, Sr	A56F	G	0.110	0.369	0.369
Manatee	9968	Priscilla Trace	A485	G	0.068	0.158	0.158
Manatee	9968	Priscilla Trace	A485	S	0.041	0.158	0.158
Manatee	10187	Prairie Creek Dairy, Inc	L615	G	0.073	0.306	0.306
Manatee	10329	Keystone Grove Company	A415	G	0.034	0.085	0.085
Manatee	10483	Sarah Frey-Talley	A56S	G	0.003	0.440	0.440
Manatee	10487	Rutland Ranch Farms, LLC	A515	G	0.296	1.347	1.347
Manatee	10541	Jones Potato Farm Inc	A56F	G	0.198	2.259	2.259
Manatee	10758	Jordan and Jordan Inc	A415	G	0.052	0.113	0.113
Manatee	10800	Florida Power & Light Company	A56F	G	0.000	2.388	2.388
Manatee	10978	T&T Environmental, LLC & Manatee County Grove A, LLC	A415	G	0.093	0.172	0.172
Manatee	11019	SMR Taylor Ranch, LLC	A56F	G	0.576	1.539	1.479
Manatee	11019	SMR Taylor Ranch, LLC	A56F	S	0.000	1.539	1.479
Manatee	11105	WFA Land Company, Inc	A56S	G	0.522	3.011	2.992
Manatee	11123	Clay Gully Ranch, LLC	A56S	G	0.000	2.186	2.186
Manatee	11125	Edward Grady Maggard, Jr. and Lorene Maggard	A56S	G	0.001	2.084	2.084
Manatee	11167	Western Farmland, LLC	A525	G	1.104	2.941	2.941
Manatee	11167	Western Farmland, LLC	A525	S	0.000	2.941	2.941

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	11287	John Falkner, LLC	A51S	G	1.926	5.224	5.224
Manatee	11293	Wish Land Wiggins Road, LLC	A535	G	0.001	0.098	0.098
Manatee	11427	Peter Old	A592	G	0.418	1.240	1.240
Manatee	11440	John Falkner, LLC	A56S	G	0.244	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	0.026	0.423	0.423
Manatee	11918	Gordon Properties, LLC	A56F	G	0.000	0.316	0.316
Manatee	11921	Goodson Farms, Inc	A56S	G	0.438	0.616	0.616
Manatee	11922	Jones Potato Farm, Inc	A515	G	0.090	1.483	1.483
Manatee	11961	Pacific Land, Ltd	A56S	G	0.625	3.852	3.852
Manatee	11963	SCF Farms Inc, Handcart Citrus and Cattle	A56F	G	0.537	2.502	2.502
Manatee	11975	North River Partnership, LLC	A485	G	0.000	0.084	0.084
Manatee	12005	Elias Cura LLC	A525	G	0.129	0.488	0.488
Manatee	12018	McClure Properties, LTD	A56F	G	0.000	2.259	2.259
Manatee	12133	W.S. Badcock Corporation	A56S	G	0.231	1.121	1.121
Manatee	12154	H D Budd Farms, Inc	A56F	G	0.000	0.750	0.750
Manatee	12189	The Baker, Walter, Saraw Family Trust	A495	G	0.000	0.204	0.204
Manatee	12216	ESDA, Inc	A495	G	0.009	0.323	0.323
Manatee	12264	John Falkner, LLC	A56F	G	0.332	1.398	1.398
Manatee	12386	Florida Power & Light Company	A56F	G	0.243	1.000	1.000
Manatee	12428	Western Farmland, LLC	A56S	G	0.163	0.674	0.674
Manatee	12474	Mary Forristall	A485	G	0.000	0.055	0.055
Manatee	12511	Jones Potato Farm, Inc	A466	G	0.242	0.811	0.811
Manatee	12971	Lyna Berry Farms, Inc	A410	G	0.000	0.322	0.322
Manatee	12991	HBT of Eagle Pointe, LLC	A56S	G	0.000	0.279	0.279
Manatee	13007	Lakeshore Knolls LLC	A415	G	0.136	0.258	0.258
Manatee	13008	Lakeshore Knolls LLC	A415	G	0.141	0.200	0.200
Manatee	13011	John Falkner, LLC, Rye Ranch, LLC and Rowe Ventures, LLC	A56F	G	0.883	2.524	2.524

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	13281	GTIS I VGC, LP	A495	G	0.000	0.071	0.034
Manatee	13352	North Manatee Investment, LLC	A56S	G	0.000	0.446	0.309
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	G	0.601	3.048	3.048
Manatee	13354	Hecht Manatee Properties, Ltd	A56S	S	0.000	3.048	3.048
Manatee	20091	Ag-Mart Produce, Inc	A56S	G	0.529	2.142	2.142
Manatee	20106	Parrish Road Duette, LLC	A535	G	0.229	0.575	0.575
Manatee	20245	Timothy A. Knowles as Trustee of the Land Trust Number 32	A56S	G	0.000	0.154	0.154
Manatee	20596	Paul's Parrish, LLC	A525	G	0.170	0.184	0.184
Manatee County Totals					36.932	Metered, mgd	
					3.854	Estimated, mgd, 156 WUPs	
					40.786	Total, mgd	
Marion	2183	Phoenix Sunrise, LLC	A52S	G	0.000	0.150	0.150
Marion	2697	Charlotte Weber	A455	G	0.068	1.028	0.847
Marion	5424	Secret Promise, Ltd.	A52S	G	0.000	0.959	0.959
Marion	11602	McGinley Family LP	A52S	G	0.049	2.653	2.653
Marion	12911	The Club at Ocala Preserve LLC	A460	G	0.083	0.223	0.073
Marion	20319	Sleepy Creek Lands LLC	A525	G	0.000	0.888	0.888
Marion County Totals					0.199	Metered, mgd	
					2.816	Estimated, mgd, 54 WUPs	
					3.015	Total, mgd	
Pasco	1580	SRI 2, LLC	A410	G	0.053	0.095	0.095
Pasco	1580	SRI 2, LLC	A410	S	0.032	0.095	0.095
Pasco	1636	Spray Miser International Inc	A415	G	0.000	0.177	0.177
Pasco	2479	Wiregrass Ranch Inc	A525	G	0.000	0.535	0.000
Pasco	2698	Sid Larkin & Son Inc, JSL Ranch Inc, Larkin Cattle Co Inc	A495	G	0.096	0.497	0.497
Pasco	3379	Perfection Partners, Ltd	A415	G	0.000	0.079	0.079
Pasco	3380	Evans Properties Inc	A50F	G	0.000	0.165	0.165
Pasco	3381	Evans Properties Inc	A415	G	0.000	0.138	0.138

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	3388	Evans Properties Inc	A415	G	0.000	0.252	0.252
Pasco	3390	Evans Properties Inc	A415	G	0.000	0.081	0.081
Pasco	3391	Evans Properties Inc	A415	G	0.000	0.794	0.794
Pasco	3392	Evans Properties Inc	A495	G	0.000	0.155	0.155
Pasco	3468	Bexley Ranch Land Trust	A525	G	0.000	0.343	0.343
Pasco	4052	Evans Properties Inc	A415	G	0.000	0.102	0.102
Pasco	4540	Will Pick LLC	A425	G	0.000	0.025	0.025
Pasco	5973	Freemarr Development, Inc & Suntech Investments, Inc	A495	G	0.000	0.301	0.301
Pasco	6814	Keathel and Taryn Chauncey	A635	G	0.000	0.108	0.108
Pasco	7021	Brightman Logan Revocable Trust	A480	G	0.004	0.155	0.155
Pasco	7326	Freemarr Development, Inc. & Sunfield Homes, Inc.	A495	G	0.000	0.562	0.562
Pasco	7497	Vcare Consultants, LLC	A415	G	0.000	0.146	0.146
Pasco	7499	Lake Placid Groves LLC	A415	G	0.000	0.187	0.187
Pasco	7686	Angelo Iafrate, Sr	A415	G	0.004	0.094	0.094
Pasco	8737	Boarshead Ranch, LLC	A525	G	0.058	0.820	0.820
Pasco	8932	Jordan and Jordan Inc	A415	G	0.000	0.163	0.163
Pasco	9081	Evans Properties Inc	A495	G	0.000	0.094	0.094
Pasco	9150	LD Mitchell Inc	A490	G	0.001	0.240	0.240
Pasco	9749	Simpson Farms, Inc	A415	G	0.093	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	0.013	0.257	0.104
Pasco	11773	Little Everglades Ranch Inc	A525	S	0.000	0.257	0.104
Pasco	11926	Price Realty LLC	A415	G	0.000	0.066	0.066
Pasco	11927	Will Pick LLC	A415	G	0.000	0.111	0.111
Pasco	12072	Griselda M Valdes	A525	G	0.000	0.198	0.198
Pasco	12346	La Hacienda Del Cielo LLC	A415	G	0.000	0.164	0.154
Pasco	12919	EMSM Pasco, LLC	A485	G	0.034	0.161	0.161
Pasco	13170	Angelo's Aggregate Materials Ltd	A525	G	0.035	0.579	0.575

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	13171	Stony Pointe Limited Partnership	A415	G	0.000	0.178	0.178
Pasco	13316	The Al-Bar Family Limited Partnership	A495	G	0.000	0.149	0.149
Pasco	20413	Frogmore Ranch, LLC	A410	G	0.286	0.475	0.475
Pasco	20682	David & Deborah Abla	A415	G	0.000	0.055	0.055
Pasco County Totals					0.710	Metered, mgd	
					4.940	Estimated, mgd, 208 WUPs	
					5.650	Total, mgd	
Pinellas	7362	Pinellas Co Parks & Conservation Department	A485	G	0.000	0.192	0.063
Pinellas	7362	Pinellas Co Parks & Conservation Department	A485	S	0.000	0.192	0.063
Pinellas	12062	Pinellas County	A405	G	0.015	0.131	0.131
Pinellas County Totals					0.015	Metered, mgd	
					0.002	Estimated, mgd, 1 WUPs	
					0.017	Total, mgd	
Polk	97	Gapway Grove Corp & Strang Groves, LLC	A415	G	0.129	0.889	0.889
Polk	143	Mountain Lake Corporation	A415	G	0.261	3.294	0.638
Polk	170	Smith & Sons Citrus, LLC	A415	G	0.074	0.122	0.122
Polk	222	Dundee Property Holdings, LLC	A415	G	0.035	0.086	0.086
Polk	285	Lake Garfield Grove LLC	A415	G	0.082	0.110	0.110
Polk	327	Waverly Growers Cooperative	A415	G	0.021	0.099	0.099
Polk	382	L Dicks, Inc	A415	G	0.113	0.136	0.136
Polk	384	John G Wood & Associates, Inc	A490	G	0.007	0.185	0.185
Polk	423	John Perdue, Jr	A415	G	0.032	0.100	0.100
Polk	425	Jefferson Grove, LLLP	A415	G	0.083	0.159	0.159
Polk	427	Clear Springs Land Company, LLC	A495	G	0.000	0.235	0.235
Polk	429	Jefferson Grove, LLLP	A415	G	0.023	0.112	0.112
Polk	430	South Property Holdings, LLC	A415	G	0.026	0.107	0.107
Polk	504	Ray-Bob Groves Inc	A415	G	0.116	0.175	0.175
Polk	551	Bryan Groves, Inc	A415	G	0.039	0.071	0.071

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	683	Rohlfing Groves Company	A415	G	0.000	0.134	0.134
Polk	683	Rohlfing Groves Company	A415	S	0.000	0.134	0.134
Polk	693	Putnam Groves, Inc	A415	G	0.042	0.086	0.086
Polk	758	Hook-R Groves, Inc	A415	G	0.002	0.078	0.078
Polk	772	Putnam Groves, Inc	A415	G	0.213	0.442	0.442
Polk	819	Gain Inc	A415	G	0.026	0.079	0.079
Polk	928	Manuel & Shelly Lopez and John A Jr & Allison Stephens	A415	G	0.051	0.077	0.077
Polk	949	Surveyors Lake, LLC, and Surveyors Lake Grove, LLC	A415	G	0.019	0.073	0.073
Polk	961	Wheeler Farms, Inc	A415	G	0.000	0.206	0.206
Polk	963	Gapway Grove Corporation	A415	G	0.020	0.159	0.159
Polk	1003	Bcw Groves Inc	A415	G	0.081	0.090	0.090
Polk	1005	Central Florida Blueberrys, LLC	A410	G	0.006	0.036	0.036
Polk	1109	Brent Monk	A415	G	0.073	0.140	0.140
Polk	1153	Ethos Produce, LLC	A415	G	0.002	0.110	0.110
Polk	1161	Lake Buffum Grove Ltd	A415	G	0.173	0.152	0.152
Polk	1207	Gapway Grove Corporation	A415	G	0.000	0.131	0.131
Polk	1252	Florida Club Polk One, LLC	A415	G	0.000	0.288	0.288
Polk	1253	Cutrale Citrus Juices USA Inc	A415	G	0.158	0.237	0.237
Polk	1300	Roger Brothers, LLLP	A415	G	0.015	0.070	0.070
Polk	1404	Ben Hill Griffin, Inc	A415	G	0.075	0.123	0.123
Polk	1420	Fetco, Inc	A415	G	0.084	0.079	0.079
Polk	1426	PH Citrus LLC	A415	G	0.145	0.150	0.150
Polk	1433	Flying V, Inc	A415	G	0.016	0.097	0.097
Polk	1455	Hutcheson Holdings, LLC	A415	G	0.050	0.122	0.122
Polk	1456	Maurice Stephens, SFLG, LLC, and the Estate of Betty Carlson	A415	G	0.014	0.143	0.143
Polk	1467	Sunshine Fort Meade Properties, Inc	A480	G	0.105	0.102	0.102
Polk	1501	J. Henry Groves, Inc	A415	G	0.019	0.080	0.080
Polk	1660	Stenger Holdings, Inc	A415	G	0.041	0.041	0.041

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	1662	Misty Organics, LLC	A410	G	0.034	0.336	0.336
Polk	1664	Southeast Investments of Palm Beach County, Inc	A470	G	0.000	0.141	0.141
Polk	1667	Badillo Brothers, Inc	A415	G	0.077	0.082	0.082
Polk	1676	The Montesco Group, LLC	A415	G	0.181	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	1697	Dr. Linda J May	A415	S	0.000	0.000	0.000
Polk	1823	Black Holdings, LLC	A415	G	0.105	0.154	0.154
Polk	1845	Ben Hill Griffin, Inc	A495	G	0.135	0.324	0.324
Polk	1851	David H. Wilcox	L661	G	0.428	0.446	0.446
Polk	1883	Johnston Properties, Inc	A415	G	0.129	0.179	0.179
Polk	1884	Tampa Electric Company	A415	G	0.000	0.154	0.154
Polk	1943	Thomas Thayer, Jr	A415	G	0.144	0.131	0.131
Polk	1955	Marianne Barwick	A415	G	0.070	0.119	0.119
Polk	1978	Atlantic Funding Ltd, LLC	A415	G	0.000	0.110	0.110
Polk	2003	Fresh Florida Oranges Inc	A415	G	0.070	0.158	0.158
Polk	2006	D.C. Cattle, Inc	A490	G	0.001	0.405	0.405
Polk	2047	Sun Grown Citrus LLC	A415	G	0.044	0.107	0.107
Polk	2057	Gabriel Groves, Inc	A415	G	0.027	0.091	0.091
Polk	2059	CUPS Coop, Inc	A415	G	0.047	0.114	0.114
Polk	2063	Scott Stevenson	A415	G	0.236	0.215	0.215
Polk	2130	Fort Family Partneship, LTD	A415	G	0.031	0.098	0.098
Polk	2132	Flying V, Inc	A415	G	0.072	0.112	0.112
Polk	2146	Thelma C. Raley, Inc	A415	G	0.223	0.308	0.308
Polk	2147	Thelma C. Raley, Inc	A415	G	0.185	0.298	0.298
Polk	2365	South Property Holdings, LLC	A415	G	0.022	0.082	0.082
Polk	2438	Ben Hill Griffin, Inc	A415	G	0.071	0.115	0.115
Polk	2439	Lake McLeod, LLC	A495	G	0.015	0.184	0.184

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	2448	Ben Hill Griffin, Inc	A415	G	0.281	0.475	0.475
Polk	2466	Robert W Teston	A415	G	0.051	0.103	0.103
Polk	2470	Alico, Inc	A415	G	0.058	0.110	0.110
Polk	2501	Seibels Enterprises Inc	A415	G	0.172	0.227	0.227
Polk	2503	Estes Groves Inc	A415	G	0.180	0.180	0.180
Polk	2587	Flying V Inc	A415	G	0.169	0.216	0.216
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	G	0.094	3.950	3.950
Polk	2715	Mosaic Fertilizer LLC (Multi County w Hardee)	A525	S	0.379	3.950	3.950
Polk	2722	Hunt Bros., Inc	A415	G	0.084	0.092	0.092
Polk	2833	Valentin & Eduardo Eddie Badillo	A415	G	0.005	0.090	0.090
Polk	2873	Cemex Construction Materials Florida, LLC	A415	G	0.171	0.860	0.777
Polk	2873	Cemex Construction Materials Florida, LLC	A415	S	0.000	0.860	0.777
Polk	2989	Sunshine Agriculture, Inc	A415	G	0.297	0.214	0.214
Polk	3004	Dennis Dicks	A415	G	0.046	0.093	0.093
Polk	3040	Wheeler-Waverly Grove, LLC	A415	G	0.240	0.325	0.325
Polk	3072	KLM Farms, LLC	A415	G	0.055	0.062	0.062
Polk	3072	KLM Farms, LLC	A415	S	0.000	0.062	0.062
Polk	3074	Suncoast Builders of Bartow, LLC	A415	G	0.068	0.136	0.136
Polk	3147	Clear Springs Enterprises LLC	A535	G	0.067	0.478	0.180
Polk	3238	Wheeler Farms, Inc	A415	G	0.066	0.111	0.111
Polk	3439	William M. Lennon Family Trust	A415	G	0.052	0.099	0.099
Polk	3439	William M. Lennon Family Trust	A415	S	0.001	0.099	0.099
Polk	3446	Holmes Gardens Associates Ltd	A415	G	0.085	0.055	0.055
Polk	3493	Tampa Electric Company	A415	G	0.000	0.230	0.230
Polk	3499	Sand Lake Groves LLC	A415	G	0.033	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	0.023	0.136	0.136
Polk	3735	Lo Brothers Enterprises Inc	A415	G	0.103	0.325	0.325

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	3747	James L Schmidt II Trustee Of The Fbjo Land Trust	A415	G	0.000	0.131	0.131
Polk	3806	Emery C Jr. and Vada E Etter	A415	G	0.165	0.121	0.121
Polk	3841	Sun Grown Citrus LLC	A415	G	0.005	0.026	0.026
Polk	3842	Sun Grown Citrus LLC	A415	G	0.884	1.304	1.304
Polk	3867	Ben Hill Griffin, Inc	A415	G	0.105	0.128	0.128
Polk	3946	Ellingson Groves, Inc	A415	G	0.070	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	0.068	0.083	0.083
Polk	3963	CBM Groves Inc and Myers Grove Inc	A415	G	0.072	0.123	0.123
Polk	3972	Victor B Story Sr	A415	G	0.094	0.097	0.097
Polk	3984	Nola Land Company, Inc	A490	G	0.008	0.049	0.049
Polk	4002	Elizabeth W. Beck Credit Shelter Trust	A415	G	0.100	0.320	0.320
Polk	4026	Clay Cut LLC	A415	G	0.032	0.174	0.174
Polk	4045	Amelia Groves, LLC	A415	G	0.000	0.120	0.120
Polk	4074	Ward's Nursery, Inc	A415	G	0.070	0.138	0.138
Polk	4093	Ben Hill Griffin, Inc	A415	G	0.095	0.122	0.122
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	G	0.275	0.254	0.254
Polk	4099	Rolling Meadow Ranch Groves, LLC	A415	S	0.000	0.254	0.254
Polk	4105	Wheeler Farms, Inc	A415	G	0.147	0.208	0.208
Polk	4108	PH Citrus, LLC	A415	G	0.207	0.424	0.424
Polk	4123	Wheeler Farms, Inc	A445	G	0.269	0.279	0.279
Polk	4166	SR 544, LLC	A415	G	0.284	0.315	0.315
Polk	4177	Hunt Bros, Inc	A415	G	0.002	0.010	0.010
Polk	4236	Nola Land Company Inc	A415	G	0.000	0.107	0.107
Polk	4242	Florida Sterling Investments, LTD	A415	G	0.003	0.091	0.091
Polk	4263	Cassidy Holdings, LLC & Citrus Reserve, LLC	A415	G	0.000	0.276	0.276
Polk	4285	The Ridge Irrigation Cooperative	A415	G	0.035	0.054	0.054
Polk	4286	Faribault Groves Partners	A415	G	0.069	0.096	0.096

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	4301	Sun Grown Citrus LLC	A415	G	0.194	0.601	0.601
Polk	4328	G Stead Groves Inc	A415	G	0.058	0.128	0.128
Polk	4331	Wheeler Farms, Inc	A415	G	0.484	0.510	0.510
Polk	4341	Ben Hill Griffin, Inc	A415	G	0.068	0.081	0.081
Polk	4345	Dole Berry Company	A410	G	0.962	1.066	1.066
Polk	4376	Alcoma Caretaking LLC	A415	G	0.343	0.755	0.755
Polk	4377	H R Baxter & Sons Enterprises	A415	G	0.039	0.105	0.105
Polk	4424	Putnam Groves, Inc	A415	G	0.069	0.142	0.142
Polk	4432	Hunt Bros. Inc	A415	G	0.189	0.217	0.217
Polk	4497	Gapway Grove Corporation	A415	G	0.078	0.169	0.169
Polk	4516	Norris Citrus Groves, Inc	A415	G	0.049	0.134	0.134
Polk	4532	Thomas A. Thayer Jr	A415	G	0.054	0.092	0.092
Polk	4551	Montanez Harvesting, Inc	A415	G	0.000	0.155	0.155
Polk	4551	Montanez Harvesting, Inc	A415	S	0.000	0.155	0.155
Polk	4558	Ben Hill Griffin, Inc	A415	G	0.188	0.594	0.594
Polk	4558	Ben Hill Griffin, Inc	A415	S	0.183	0.594	0.594
Polk	4559	Ben Hill Griffin, Inc	A415	G	0.709	0.807	0.807
Polk	4560	Ben Hill Griffin, Inc	A415	G	0.285	0.438	0.438
Polk	4563	Griffin Groves Inc	A415	G	0.104	0.148	0.148
Polk	4567	Ben Hill Griffin, Inc	A415	G	0.073	0.103	0.103
Polk	4628	Hunt Bros., Inc	A415	G	0.053	0.042	0.042
Polk	4629	Ronnie's Citrus, Inc	A415	G	0.054	0.070	0.070
Polk	4634	Hunt Bros Inc & CFM Inc & ENC Inc	A415	G	0.131	0.115	0.115
Polk	4766	Livingston Groves, LLC	A415	G	0.000	0.085	0.085
Polk	4810	Highland Sand, LLC	A415	G	0.208	0.424	0.424
Polk	4827	VLI Family Limited Partnership	A415	G	0.033	0.070	0.070
Polk	4831	Durrance and Sons LLC	A525	G	0.042	0.157	0.157
Polk	5008	Alico, Inc	A415	G	0.137	0.231	0.231

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	5010	Alico, Inc	A415	G	0.074	0.104	0.104
Polk	5011	Alico, Inc	A415	G	0.176	0.320	0.320
Polk	5013	Alico, Inc	A415	G	0.245	0.633	0.633
Polk	5013	Alico, Inc	A415	S	0.210	0.633	0.633
Polk	5014	Alico, Inc	A415	G	0.176	0.302	0.302
Polk	5014	Alico, Inc	A415	S	0.033	0.302	0.302
Polk	5015	Alico, Inc	A415	G	0.426	0.524	0.524
Polk	5016	Alico, Inc	A415	G	0.082	0.292	0.292
Polk	5016	Alico, Inc	A415	S	0.152	0.292	0.292
Polk	5019	Alico, Inc	A415	G	0.299	0.419	0.419
Polk	5062	Gardinier Florida Citrus, Inc	A415	G	0.939	0.948	0.948
Polk	5086	Vonann & Myers Groves Inc, Myers Fam Liv Trust	A415	G	0.170	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	0.477	0.422	0.422
Polk	5123	Hunt Bros. Inc	A415	G	0.064	0.059	0.059
Polk	5130	Fulton Keen, LLC	A415	G	0.080	0.147	0.147
Polk	5296	Ben Hill Griffin, Inc	A415	G	0.063	0.100	0.100
Polk	5394	Lake Sawyer Properties, Inc	A415	G	0.033	0.105	0.105
Polk	5396	Crews Groves Inc & Mallory Enterprises Inc	A415	G	0.258	0.242	0.242
Polk	5414	Emery C. & Vada E. Etter	A415	G	0.047	0.043	0.043
Polk	5416	Emery Etter, Jr	A415	G	0.026	0.035	0.035
Polk	5450	Hunt Bros, Inc	A415	G	0.063	0.062	0.062
Polk	5476	C.F.M., Inc	A415	G	0.276	0.290	0.290
Polk	5480	Hunt Bros. Inc	A415	G	0.083	0.073	0.073
Polk	5481	Hunt Bros., Inc	A415	G	0.022	0.193	0.193
Polk	5482	Hunt Bros. Inc	A415	G	0.190	0.268	0.268
Polk	5483	Hunt Bros., Inc	A415	G	0.105	0.137	0.137
Polk	5486	Hunt Bros. Inc	A415	G	0.083	0.092	0.092

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	5571	734 LMC Groves, LLC	A415	G	0.150	0.221	0.221
Polk	5572	734 LMC Groves, LLC	A415	G	0.132	0.143	0.143
Polk	5584	Sun Grown Citrus LLC	A415	G	0.051	0.110	0.110
Polk	5610	Ben Hill Griffin, Inc	A415	G	0.038	0.082	0.082
Polk	5629	Watkins Citrus & Cattle Co.	A415	G	0.082	0.142	0.142
Polk	5635	Alico, Inc	A415	G	0.208	0.315	0.315
Polk	5636	Griffin Family Limited Partnership	A415	G	0.230	0.191	0.191
Polk	5654	Doudney Investment Co	A415	G	0.057	0.105	0.105
Polk	5669	PH Citrus LLC	A415	G	0.015	0.061	0.061
Polk	5679	South Property Holdings, LLC	A415	G	0.000	0.090	0.090
Polk	5711	C. C. Calhoun, Inc	A415	G	0.052	0.061	0.061
Polk	5739	PH Citrus, LLC	A415	G	0.049	0.091	0.091
Polk	5823	Putnam Groves, Inc	A415	G	0.129	0.318	0.318
Polk	5850	Hunt Bros. Inc	A415	G	0.273	0.334	0.334
Polk	5918	Crews Groves, Inc (Multi County w Hardee)	A490	G	0.097	0.370	0.370
Polk	6026	7L Camp Mack LLC	A415	G	0.754	1.448	1.448
Polk	6037	South Property Holdings, LLC	A415	G	0.000	0.094	0.094
Polk	6068	Rolling Meadow Ranch, Inc	A415	G	1.420	1.172	1.172
Polk	6128	Country Club of Lake Wales, Inc	A415	G	0.006	0.313	0.006
Polk	6268	Southern Citrus Nurseries, LLC	A415	G	0.162	0.148	0.148
Polk	6278	M and V, LLC	A480	G	0.046	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	0.155	0.340	0.340
Polk	6481	John T. Perry II	A415	G	0.000	0.082	0.082
Polk	6558	Thayer Farms, Inc	A415	G	0.380	0.313	0.313
Polk	6633	Christina P. Hooker	A415	G	0.000	0.125	0.125
Polk	6633	Christina P. Hooker	A415	S	0.000	0.125	0.125
Polk	6670	Mosaic Fertilizer LLC	A415	G	0.107	0.425	0.425

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	6878	Wheeler Farms, Inc	A415	G	0.050	0.079	0.079
Polk	6890	Knight PC Holdings, LLC	A495	G	0.000	0.213	0.213
Polk	6940	6M Farms, LLC	A415	G	0.053	0.139	0.139
Polk	6995	Martin and Karen McKenna	A415	G	0.068	0.134	0.134
Polk	7000	Durrance and Sons, LLC	A525	G	0.000	0.231	0.231
Polk	7053	Lake Hancock Partners LLLP	A415	G	0.006	0.271	0.271
Polk	7136	Davis Citrus, Inc	A415	G	0.161	0.135	0.135
Polk	7197	Douglas and Melanie Feek	A415	G	0.044	0.067	0.067
Polk	7199	South Orange Properties Llp	A415	G	0.046	0.082	0.082
Polk	7270	B & D LLC	A415	G	0.184	0.277	0.277
Polk	7375	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.035	0.116	0.116
Polk	7517	Ben Hill Griffin, Inc	A415	G	0.028	0.102	0.102
Polk	7548	Ben Hill Griffin, Inc	A415	G	0.079	0.108	0.108
Polk	7570	Ambrose Grove LLC	A415	G	0.154	0.108	0.108
Polk	7573	Devane Citrus, Inc	A415	G	0.105	0.159	0.159
Polk	7654	Flying V, Inc	A415	G	0.078	0.130	0.130
Polk	7668	Ben Hill Griffin, Inc	A415	G	0.226	0.300	0.300
Polk	7670	734 LMC Groves, LLC	A415	G	0.612	0.906	0.906
Polk	7698	Ben Hill Griffin, Inc	A415	G	0.039	0.117	0.117
Polk	7789	Elliott Investments LLC	A490	G	0.043	0.150	0.150
Polk	7791	W. E. Green & Sons, Inc	A415	G	0.001	0.041	0.041
Polk	7796	Pat Wilson Inc	A490	G	0.129	0.166	0.166
Polk	7839	Griffin Family Limited Partnership	A415	G	0.073	0.103	0.103
Polk	7916	CG Citrus, LLC	A415	G	0.054	0.083	0.083
Polk	8096	Myers Groves, Inc	A415	G	0.122	0.209	0.209
Polk	8098	Myers Groves, Inc	A415	G	0.131	0.307	0.307
Polk	8119	Mark D. Beck, Trustee Mark D. Beck Family Trust	A415	G	0.042	0.170	0.170
Polk	8143	VLI Family Limited Partnership	A415	G	0.000	0.097	0.097

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	8206	Hazel Brannen	A415	G	0.080	0.102	0.102
Polk	8228	Ann W Jacob	A415	G	0.076	0.240	0.240
Polk	8261	734 LMC Groves, LLC	A415	S	0.059	0.059	0.059
Polk	8263	734 LMC Groves, LLC	A415	G	0.130	0.138	0.138
Polk	8295	Hermanns Real Estate Ventures, LLC	A410	G	0.214	0.360	0.360
Polk	8305	Ben Hill Griffin, Inc	A415	G	0.094	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	0.092	0.166	0.166
Polk	8582	Thomas A. Thayer Jr	A415	G	0.116	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	0.013	0.140	0.140
Polk	8645	Imperial Tropicals, Inc	L661	G	0.099	0.174	0.174
Polk	8934	Ben Hill Griffin, Inc	A415	G	0.104	0.181	0.181
Polk	8978	Story Family Limited Partnership, LLLP	A415	G	0.079	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	0.109	0.361	0.361
Polk	9419	Alico, Inc	A415	G	0.064	0.595	0.595
Polk	9419	Alico, Inc	A415	S	0.443	0.595	0.595
Polk	9704	Lakeland Farms, Inc	A410	G	0.155	0.251	0.251
Polk	9704	Lakeland Farms, Inc	A410	S	0.093	0.251	0.251
Polk	9806	Lake Hancock Partners, LLLP	A410	G	0.096	0.126	0.126
Polk	10096	Twenty Twenty Groves Inc	A415	G	0.322	0.673	0.673
Polk	10096	Twenty Twenty Groves Inc	A415	S	0.010	0.673	0.673
Polk	10231	Morris Family Trust	A410	G	0.093	0.256	0.256
Polk	10575	Surterra Lakeland, LLC	A480	G	0.003	0.070	0.053
Polk	10598	Quality Turf LC	A525	G	0.227	0.392	0.392
Polk	10656	Stephen J. Fox, LLC	A590	G	0.025	0.120	0.116
Polk	10857	Burton Ranch, LLC	A415	G	0.025	0.053	0.053

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	10915	Stenger Holdings, Inc	A415	G	0.135	0.152	0.152
Polk	11031	Growers Investment Group, LLC	A415	G	0.196	0.166	0.166
Polk	11161	Ridge Investments, LLC	A415	G	0.075	0.091	0.091
Polk	11163	Emil Jahna	A415	G	0.060	0.100	0.100
Polk	11173	Rocker Farms Inc	A415	G	0.054	0.083	0.083
Polk	11176	Rocker Farms Inc	A415	G	0.027	0.074	0.074
Polk	11178	D&L Farms, Inc	A410	G	0.155	0.328	0.328
Polk	11209	Story Citrus, Inc	A415	G	0.125	0.182	0.182
Polk	11209	Story Citrus, Inc	A415	S	0.015	0.182	0.182
Polk	11219	Rolling Meadow Ranch Groves, LLC	A415	G	0.402	0.438	0.438
Polk	11229	Griffin Family Limited Partnership	A415	G	0.076	0.113	0.113
Polk	11297	Lake Isabell Partners	A415	G	0.177	0.169	0.169
Polk	11316	Livingston Groves, LLC	A415	G	0.000	0.078	0.078
Polk	11361	L & E, Inc	A415	G	0.009	0.061	0.061
Polk	11377	Norris Citrus Groves, Inc	A415	G	0.129	0.168	0.168
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	G	0.013	0.032	0.032
Polk	11524	Wallace U. and Faye P. Barber Trust	A535	S	0.003	0.032	0.032
Polk	11533	Kathleen Farms, LLC	A535	G	0.052	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	0.081	0.144	0.144
Polk	11693	City of Lakeland Parks & Recreation Department	A485	G	0.009	0.176	0.017
Polk	11843	Family Acres, Inc	A415	G	0.029	0.136	0.136
Polk	11843	Family Acres, Inc	A415	S	0.000	0.136	0.136
Polk	11851	John L. Beck Living Trust	A415	G	0.029	0.143	0.143
Polk	11903	Hunt Bros. Inc	A415	G	0.005	0.008	0.008
Polk	12061	Hunt Bros. Inc	A415	G	0.122	0.112	0.112
Polk	12064	Hunt Bros. Inc	A415	G	0.046	0.041	0.041
Polk	12232	Citrosuco North America	A415	G	0.084	1.638	0.321

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	12392	PH Citrus LLC	A415	G	0.787	1.073	1.073
Polk	12446	C. C. Calhoun, Inc	A415	G	0.115	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	0.140	0.305	0.305
Polk	12500	Rolling Meadow Ranch, Inc	A415	G	0.173	0.267	0.267
Polk	12574	Family Acres, Inc	A415	G	0.014	0.091	0.091
Polk	12637	Wheeler Farms, Inc	A415	G	0.105	0.139	0.139
Polk	12782	Standard Sand & Silica Company	A415	G	0.120	0.571	0.571
Polk	12782	Standard Sand & Silica Company	A415	S	0.040	0.571	0.571
Polk	12792	Quality Turf, LC	A525	G	0.036	0.198	0.198
Polk	12867	Clear Springs Enterprises LLC	A410	G	0.693	1.299	1.299
Polk	12867	Clear Springs Enterprises LLC	A410	S	0.268	1.299	1.299
Polk	12890	Heifer Hill, Inc	A415	G	0.130	0.145	0.145
Polk	13018	Ben Hill Griffin, III Family Limited Partnership, LLLP	A470	G	0.000	0.243	0.243
Polk	13062	Sun Grown Citrus LLC	A415	G	0.154	0.247	0.247
Polk	13084	South Property Holdings, LLC	A490	G	0.000	0.123	0.123
Polk	13199	Imperial Polk Properties, Inc	A415	G	0.000	0.051	0.051
Polk	13201	PH Citrus LLC	A415	G	0.081	0.099	0.099
Polk	13221	Bowlegs Creek Groves, LLC	A415	G	0.000	0.066	0.066
Polk	13236	Nim Lithuel, LLC	A415	G	0.031	0.100	0.100
Polk	13342	Evans Ranch, LLC	A410	G	0.024	0.201	0.201
Polk	13342	Evans Ranch, LLC	A410	S	0.000	0.201	0.201
Polk	20205	David H. Grooms & Carl R. Grooms	A535	G	0.024	0.053	0.053
Polk	20205	David H. Grooms & Carl R. Grooms	A535	S	0.009	0.053	0.053
Polk	20292	Tree-O Groves, Inc	A415	G	0.075	0.098	0.098
Polk	20440	Preferred Materials, Inc	A415	G	0.000	0.150	0.150
Polk	20553	C.W. Deen Family Farm, LLC	A410	G	0.015	0.205	0.205
Polk	20553	C.W. Deen Family Farm, LLC	A410	S	0.000	0.205	0.205

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	20613	Citrus Sinensis LLC	A415	G	0.012	0.042	0.042
Polk	20789	Nucor Steel Florida Inc	A415	G	0.107	0.670	0.273
Polk	20833	Dundee Property Holdings, LLC	A415	G	0.028	0.133	0.133
Polk	20847	Wheeler Farms, Inc	A415	G	0.108	0.107	0.107
Polk County Totals					35.693	Metered, mgd	
					33.402	Estimated, 1,508 WUPs	
					69.095	Total, mgd	
Sarasota	3755	Mabry Carlton Ranch Inc	A56S	G	0.071	4.190	4.190
Sarasota	3764	Longino Ranch, Inc	A525	G	0.170	1.220	1.220
Sarasota	3854	D Bar F Ranch	A490	G	0.000	0.099	0.099
Sarasota	3872	The Ranch Land Operations, LLLP	A645	G	0.000	2.490	0.001
Sarasota	3873	Schwartz Farms Inc	A56S	G	0.497	2.181	2.181
Sarasota	3890	Ibis Road Investors, LLC	A525	G	0.092	0.592	0.592
Sarasota	4087	L T Partners LLLP	A525	G	0.074	0.818	0.818
Sarasota	4387	Hi Hat Ranch LLLP	A56S	G	0.549	2.436	2.436
Sarasota	4387	Hi Hat Ranch LLLP	A56S	S	0.000	2.436	2.436
Sarasota	6736	Hmta Real Estate LLC	A525	G	0.000	0.301	0.301
Sarasota	7289	High Acres, LLC	A450	G	0.005	0.333	0.333
Sarasota	7846	Schroeder-Manatee Ranch, Inc (Multi County w Manatee)	A525	G	0.000	18.238	3.091
Sarasota	7846	Schroeder-Manatee Ranch, Inc (Multi County w Manatee)	A525	S	0.000	18.238	3.091
Sarasota	8336	SMR/MYAKKA, LLC	A50F	G	0.037	0.883	0.883
Sarasota	9361	Albritton Groves Ltd	A415	G	0.088	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	0.003	0.155	0.154
Sarasota	12275	Mote Marine Laboratory, Inc	L632	S	0.000	0.155	0.154
Sarasota	12516	J. Kenneth Harrison	A525	G	0.109	0.553	0.553
Sarasota	20192	SRQ Land, LLC	A525	G	0.092	0.724	0.724
Sarasota	20253	Steven W. & Allison Flint	A58S	G	0.000	1.189	1.189

2020 ESTIMATED WATER USE REPORT

Table A-7. 2020 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	20818	Longino Ranch, Inc	A58H	G	0.000	0.674	0.674
Sarasota County Totals					1.788	Metered, mgd	
					0.622	Estimated, mgd, 29 WUPs	
					2.410	Total, mgd	
Sumter	2180	Sumter, LLC	A480	G	0.000	1.026	0.676
Sumter	3534	Florida Fish & Wildlife Conserv Commission	L632	G	1.321	1.991	1.991
Sumter	6838	Florida Department of Corrections	A57F	G	0.011	0.458	0.014
Sumter	8211	Flowerwood Nursery, Inc	A480	G	0.252	0.575	0.575
Sumter	10519	Barns Bits & Bridles & Equine Estates, Appaloosa Acres, Inc.	A480	G	0.248	0.456	0.456
Sumter	20281	TDM Enterprises, LLC	A525	G	0.018	0.509	0.509
Sumter	20511	Walton Acquisitions FL, LLC	A52S	G	0.000	0.718	0.718
Sumter County Totals					1.850	Metered, mgd	
					4.253	Estimated, mgd, 106 WUPs	
					6.103	Total, mgd	
District Totals					212.433	Metered, mgd	
					95.417	Estimated, mgd	
					307.850	Total, mgd	

Notes:
 Eight Agricultural WUPs listed in Table A-7 above had a significant amount of withdrawals in multiple counties, so the withdrawals were split among county totals in the report.
 WUP 2125 was split for Melons use in both Hardee (=0.108-0.090 mgd) and DeSoto (+0.090 mgd) counties.
 WUP 2715 was split for Citrus use in both Polk (=0.901-0.428 mgd) and Hardee (+0.428 mgd) counties.
 WUP 3275 was split for Citrus in both DeSoto (=0.459-0.184 mgd) and Charlotte (+0.184 mgd) counties.
 WUP 4606 was split for Sod use in both DeSoto (=0.065-0.023 mgd) and Charlotte (+0.023) counties
 WUP 6915 was split for Citrus in both Manatee (=0.175-0.112 mgd) and DeSoto (+0.112 mgd) counties.
 WUP 7998 was split for Citrus both Manatee (=0.199-0.044 mgd) and Hardee (+0.044 mgd) counties.
 WUP 8224 was Citrus and coded to Charlotte but all withdrawals (0.018 mgd) were in DeSoto County
 WUP 9741 was split for Citrus in both DeSoto (=0.693-0.030 mgd) and Manatee (+0.030 mgd) counties.
 Additional WUPs exist that have minor overlaps of county borders.
 Minor rounding discrepancies may also occur in some summations of raw data.

2020 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 may be additional withdrawals listed in another table.

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

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

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

Additional Livestock Use Codes continue on next page.

2020 ESTIMATED WATER USE REPORT

Livestock Use Codes

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

2020 ESTIMATED WATER USE REPORT

TABLE A-8. 2020 METERED + ESTIMATED AGRICULTURE MONTHLY AVERAGE WITHDRAWALS (MGD/MONTH) BY COUNTY

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	8.732	6.914	10.985	14.502	10.075	5.571	4.898	1.903	1.436	4.107	6.453	7.160
Citrus	1.946	2.215	4.096	3.166	2.168	0.932	0.840	0.602	0.581	1.225	0.984	1.075
Desoto	69.779	40.294	119.325	108.682	73.503	21.127	35.664	27.433	10.713	23.914	16.692	25.882
Hardee	40.366	35.003	80.800	66.730	45.271	24.958	20.081	13.382	15.081	22.113	18.446	22.460
Hernando	1.988	1.790	4.042	3.492	2.337	0.909	0.791	0.530	0.512	1.359	0.981	1.087
*Highlands	42.245	38.527	61.749	58.696	44.263	30.824	29.847	21.943	21.739	24.640	24.726	27.917
Hillsborough	36.487	41.789	61.576	51.064	45.651	20.463	19.059	25.149	28.408	96.636	40.825	28.369
*Lake	0.795	0.797	1.967	1.843	1.278	0.730	0.491	0.366	0.256	0.721	0.469	0.693
*Levy	7.865	5.304	15.102	13.050	16.410	29.438	21.715	6.841	2.606	3.982	3.825	4.090
Manatee	41.264	56.747	94.049	74.281	36.027	20.068	26.446	13.231	20.530	54.859	43.936	19.914
*Marion	3.541	3.316	7.581	6.669	4.391	1.668	1.565	0.815	0.705	2.214	1.920	1.809
Pasco	6.599	6.393	12.910	11.018	7.607	3.624	3.416	2.239	2.168	4.640	3.326	3.838
Pinellas	0.002	0.003	0.005	0.004	0.003	0.001	0.096	0.065	0.001	0.002	0.001	0.019
*Polk	75.922	75.363	153.510	130.284	91.933	50.387	39.584	30.643	30.962	58.728	43.344	52.472
Sarasota	2.531	3.440	5.036	6.062	3.880	1.789	0.818	0.675	0.926	0.696	1.755	1.309
Sumter	6.106	6.921	12.660	11.205	7.959	3.987	6.435	2.567	2.285	4.505	4.245	4.360
District Total	346.167	324.818	645.392	560.749	392.758	216.475	211.745	148.383	138.910	304.340	211.928	202.456
Groundwater	332.883	313.125	623.906	542.122	379.408	206.892	201.614	143.521	132.486	287.487	198.670	190.915
Surface Water	13.284	11.693	21.486	18.627	13.350	9.583	10.131	4.862	6.424	16.853	13.258	11.541

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

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

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

Table A-9. 2020 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	0.007	2.767	0.019
Charlotte	2689	East Charlotte Drainage District	M976	S	0.004	2.767	0.019
Charlotte County Totals					0.011	Metered, mgd	
					0.145	Estimated, mgd, 19 WUPs	
					0.156	Total, mgd	
There were no metered mining/dewatering water use permits in Citrus County					0	Metered, mgd	
					0.044	Estimated, mgd, 3 WUPs	
					0.044	Total, mgd	
There were no metered mining/dewatering water use permits in DeSoto County					0	Metered, mgd	
					0.006	Estimated, mgd, 2 WUPs	
					0.006	Total, mgd	
Hardee	3669	Mosaic Fertilizer LLC	M940	G	0.001	6.392	6.392
Hardee ⁵	11400	Mosaic Fertilizer, LLC	M940	G	1.759	69.6	44.600
Hardee County Totals					1.760	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					1.760	Total, mgd	
There were no metered mining/dewatering water use permits in Hernando County					0	Metered, mgd	
					0.016	Estimated, mgd, 4 WUPs	
					0.016	Total, mgd	
There were no metered mining/dewatering water use permits in Highlands County					0	Metered, mgd	
					0.009	Estimated, mgd, 2 WUPs	
					0.009	Total, mgd	
Hillsborough	660	Farmland Reserve, Inc	M976	G	0	0.498	0.003
Hillsborough	660	Farmland Reserve, Inc	M976	S	0	0.498	0.003
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	M976	G	0.002	0.159	0.017
Hillsborough	10140	Progressive Waste Solutions of Florida, Inc	M976	S	0	0.159	0.017
Hillsborough	12836	Razorback Ranch, LLC	M965	G	0	0.496	0.093

2020 ESTIMATED WATER USE REPORT

Table A-9. 2020 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	12836	Razorback Ranch, LLC	M965	S	0	0.496	0.093
Hillsborough ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	1.982	69.600	44.600
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	G	0.017	1.971	0.080
Hillsborough	20585	Loop Range 21 Realty, LLC	M976	S	0	1.971	0.080
Hillsborough County Totals					2.000	Metered, mgd	
					0.015	Estimated, mgd, 5 WUPs	
					2.015	Total, mgd	
There were no metered mining/dewatering water use permits in Lake County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
There were no metered mining/dewatering water use permits in Levy County					0	Metered, mgd	
					0	Estimated, mgd, 1 WUP	
					0	Total, mgd	
Manatee	4309	CC Manatee Development LLC	M976	G	0.000	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	0.023	1.539	0.06
Manatee	11019	SMR Taylor Ranch, LLC	M976	S	0.000	1.539	0.06
Manatee ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	3.888	69.600	44.600
Manatee County Totals					3.911	Metered, mgd	
					0.001	Estimated, mgd, 3 WUPs	
					3.912	Total, mgd	
There were no metered mining/dewatering water use permits in Marion County					0	Metered, mgd	
					0.023	Estimated, mgd, 2 WUP	
					0.023	Total, mgd	
Pasco	13170	Angelo's Aggregate Materials Ltd.	M976	G	0.000	0.579	0.004
Pasco County Totals					0.000	Metered, mgd	
					0.063	Estimated, mgd, 4 WUPs	
					0.063	Total, mgd	

2020 ESTIMATED WATER USE REPORT

Table A-9. 2020 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
There were no metered mining/dewatering water use permits in Pinellas County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
Polk	1356	Preferred Materials Inc	M960	G	0.258	0.491	0.491
Polk	2873	Cemex Const Materials Florida, LLC	M976	G	0.018	0.860	0.083
Polk	2873	Cemex Const Materials Florida, LLC	M976	S	0.000	0.860	0.083
Polk ⁵	11400	Mosaic Fertilizer, LLC (Multi County)	M940	G	9.049	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	0.000	0.097	0.047
Polk	12076	Cemex Const Materials Florida, LLC	M976	S	0.000	0.097	0.047
Polk	12755	Cemex Const Materials Florida, LLC	M960	G	0.074	0.198	0.198
Polk	12755	Cemex Const Materials Florida, LLC	M960	S	0.000	0.198	0.198
Polk County Totals					9.399	Metered, mgd	
					0.089	Estimated, mgd, 8 WUPs	
					9.488	Total, mgd	
There were no metered mining/dewatering water use permits in Sarasota County					0	Metered, mgd	
					0.003	Estimated, mgd, 2 WUPs	
					0.003	Total, mgd	
Sumter	12885	Suwannee American Cement Company, LLC	M976	G	0.014	0.443	0.099
Sumter County Totals					0.014	Metered, mgd	
					0.078	Estimated, mgd, 4 WUPs	
					0.092	Total, mgd	
District Totals					17.095	Metered, mgd	
					0.492	Estimated, mgd	
					17.587	Total, mgd	

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

2020 ESTIMATED WATER USE REPORT

Notes:

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

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

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

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

2020 ESTIMATED WATER USE REPORT

Table A-10. 2020 Metered + Estimated Mining/Dewatering Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.279	0.190	0.194	0.163	0.187	0.091	0.107	0.148	0.121	0.146	0.151	0.093
Citrus	0.114	0.060	0.046	0.030	0.068	0.017	0.011	0.035	0.034	0.035	0.052	0.021
Desoto	0.006	0.007	0.006	0.005	0.005	0.004	0.006	0.007	0.005	0.007	0.005	0.004
Hardee	1.851	1.437	1.422	2.199	1.203	1.454	2.365	1.436	2.105	1.751	2.183	1.722
Hernando	0.019	0.019	0.025	0.022	0.017	0.011	0.015	0.016	0.013	0.019	0.014	0.012
*Highlands	0.010	0.011	0.010	0.008	0.007	0.006	0.010	0.011	0.008	0.010	0.008	0.006
Hillsborough	2.266	2.744	2.614	2.284	1.889	1.824	1.767	1.281	1.997	2.054	2.000	1.519
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0	0	0	0	0	0
Manatee	0.504	4.980	4.266	4.112	4.733	4.603	4.290	3.171	4.416	3.260	5.317	3.449
*Marion	0.023	0.032	0.030	0.025	0.023	0.022	0.020	0.018	0.016	0.017	0.024	0.023
Pasco	0.065	0.088	0.082	0.070	0.063	0.060	0.056	0.049	0.044	0.046	0.066	0.063
Pinellas	0	0	0	0	0	0	0	0	0	0	0	0
*Polk	10.913	13.309	15.487	16.150	13.968	13.467	11.795	20.526	17.471	13.072	12.448	12.289
Sarasota	0.004	0.004	0.003	0.003	0.003	0.002	0.004	0.004	0.003	0.004	0.003	0.002
Sumter	0.124	0.090	0.090	0.089	0.087	0.091	0.087	0.092	0.079	0.101	0.096	0.081
District Total	16.178	22.971	24.273	25.159	22.252	21.652	20.533	26.794	26.313	20.522	22.367	19.284
Groundwater	15.646	22.515	23.851	24.818	21.859	21.395	20.240	26.440	26.004	20.169	21.990	19.016
Surface Water	0.532	0.456	0.422	0.341	0.393	0.257	0.293	0.354	0.309	0.353	0.377	0.268

* 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.

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

Table A-11. 2020 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 Charlotte County					0	Metered, mgd	
					0.037	Estimated, mgd, 6 WUPs	
					0.037	Total, mgd	
Citrus	207	City of Crystal River	1840	G	0.004	0.919	0.005
Citrus	3672	Florida Power Corp Db a Duke Energy	1860	G	1.410	5.309	5.309
Citrus	11281	Metal Industries, Inc	1705	G	0.128	0.220	0.220
Citrus	20299	Heatherwood Investments, LLC	1735	G	0.000	0.077	0.077
Citrus County Totals					1.542	Metered, mgd	
					0.271	Estimated, mgd, 10 WUPs	
					1.813	Total, mgd	
DeSoto	70	Peace River Citrus Products, Inc	1765	G	0.241	0.400	0.400
DeSoto	6841	Desoto County BOCC	1840	G	0.364	0.822	0.822
DeSoto County Totals					0.606	Metered, mgd	
					0.081	Estimated, mgd, 3 WUPs	
					0.687	Total, mgd	
Hardee	9731	Hardee Power Partners	1725	G	3.002	3.800	3.800
Hardee ⁵	11400	Mosaic Fertilizer, LLC (Multi-County)	1859	G	0.016	69.600	25.000
Hardee	12048	Vandolah Power Company LLC	1425	G	0.017	0.212	0.212
Hardee	12331	Classic Caladiums Inc & Smoak Groves Inc	1805	G	0.037	0.929	0.086
Hardee	13158	Mooney Family, LLC	1735	G	0.000	0.449	0.449
Hardee County Totals					3.072	Metered, mgd	
					0.049	Estimated, mgd, 4 WUPs	
					3.121	Total, mgd	
Hernando	2286	Cemex Inc	1740	G	0.224	2.716	2.716
Hernando	7015	Brooksville PP Assets Holding Company, LLC	1447	G	3.030	5.410	5.410
Hernando	20899	CEMEX Construction Materials Florida, LLC	1740	G	0.000	4.468	4.468
Hernando	20899	CEMEX Construction Materials Florida, LLC	1740	S	0.025	4.468	4.468

2020 ESTIMATED WATER USE REPORT

Table A-11. 2020 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Hernando County Totals					3.278	Metered, mgd	
					0.040	Estimated, mgd, 5 WUPs	
					3.318	Total, mgd	
There were no metered Industrial/Commercial WUPS in Highlands County					0	Metered, mgd	
					0.103	Estimated, mgd, 11 WUPs	
					0.103	Total, mgd	
Hillsborough	148	Yuengling Brewing Co of Tampa Inc	I513	G	0.278	0.666	0.666
Hillsborough	229	RCCI (Red Chamber Co Inc)	I830	G	0.162	0.214	0.214
Hillsborough	405	Tampa Seaboard, LLC	I501	G	0.000	0.100	0.100
Hillsborough	1415	Mosaic Fertilizer, LLC	I835	G	1.513	4.240	4.240
Hillsborough	1415	Mosaic Fertilizer, LLC	I835	S	0.000	4.240	4.240
Hillsborough	1532	Mosaic Fertilizer, LLC	I755	G	0.005	5.985	5.970
Hillsborough	1532	Mosaic Fertilizer, LLC	I755	S	2.644	5.985	5.970
Hillsborough	1960	University of South Florida	I840	G	1.170	2.364	1.404
Hillsborough	1960	University of South Florida	I840	S	0.018	2.364	1.404
Hillsborough	2045	Midway Investment Company, Inc	I840	G	0.000	0.306	0.001
Hillsborough	2045	Midway Investment Company, Inc	I840	S	0.000	0.306	0.001
Hillsborough	3050	Tampa Port Services	I408	G	0.000	4.250	4.250
Hillsborough	3055	Speedling, Inc	I500	G	0.001	0.302	0.006
Hillsborough	3118	Kerry I & F Contracting Co	I800	G	2.104	3.050	3.050
Hillsborough	6233	Tampa Electric Company	I863	G	0.000	0.234	0.234
Hillsborough	7586	Dover RE Holdings, LLC	I519	G	0.000	0.106	0.072
Hillsborough	8955	Lone Oak Missionary Baptist Church Inc	I477	G	0.000	0.027	0.001
Hillsborough	9658	Keel Farms, Inc	I840	G	0.001	0.065	0.002
Hillsborough	9658	Keel Farms, Inc	I840	S	0.000	0.065	0.002
Hillsborough	11400	Mosaic Fertilizer, LLC (Multi-County)	I859	G	0.216	69.600	25.000
Hillsborough	11181	Del Monte Fresh Production, Inc	I840	G	0.000	1.591	0.004

2020 ESTIMATED WATER USE REPORT

Table A-11. 2020 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Hillsborough	11576	Tampa Electric Company	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	0.529	4.250	4.250
Hillsborough	20215	Trademark Nitrogen, Corp	1805	G	0.234	0.206	0.206
Hillsborough County Totals					8.878	Metered, mgd	
					0.464	Estimated, mgd, 44 WUPs	
					9.342	Total, mgd	
There were no industrial/commercial water use permits in Lake County					0	Metered, mgd	
					0	Estimated, mgd, 0 WUPs	
					0	Total, mgd	
There were no metered industrial/commercial water use permits in Levy County					0	Metered, mgd	
					0.015	Estimated, mgd, 7 WUPs	
					0.015	Total, mgd	
Manatee	5423	Florida Power & Light Company	1865	G	0.027	0.882	0.072
Manatee ⁵	11400	Mosaic Fertilizer, LLC (Multi-County)	1859	G	0.000	69.600	25.000
Manatee	12413	Waste Management Inc. of Florida	1805	G	0.000	0.135	0.135
Manatee	12413	Waste Management Inc. of Florida	1805	S	0.000	0.135	0.135
Manatee	20198	Lockheed Martin Corporation	1705	G	0.215	0.411	0.411
Manatee County Totals					0.242	Metered, mgd	
					0.127	Estimated, mgd, 13 WUPs	
					0.369	Total, mgd	
There were no metered industrial/commercial water use permits in Marion County					0	Metered, mgd	
					0.021	Estimated, mgd, 3 WUPs	
					0.021	Total, mgd	
Pasco	451	Tanler Water Company	1805	G	0.122	3.514	3.514
Pasco	964	Stream Side Property, LLC	1735	G	0.054	0.093	0.093
Pasco	9087	Pasco County Utilities	1780	G	0.162	0.72	0.72

2020 ESTIMATED WATER USE REPORT

Table A-11. 2020 Permitted and Pumped Quantities on Metered Industrial/Commercial WUPs (mgd)

County	WUP Number	Permittee	Use Code ¹	Source ²	Annual Average Use ³	Total Permitted Annual Average Quantity	Permitted Quantity Attributed to I/C Use Category ⁴
Pasco	9132	Crystal Springs Preserve Inc	I735	G	0.000	0.757	0.757
Pasco	9132	Crystal Springs Preserve Inc	I735	S	0.579	0.757	0.757
Pasco	10772	Duke Energy Florida, LLC	I865	G	0.168	0.288	0.288
Pasco	12052	Shady Hills Power Company, LLC	I425	G	0.001	0.154	0.154
Pasco	12784	Order of Saint Benedict of Florida	I477	G	0.002	0.143	0.012
Pasco County Totals					1.088	Metered, mgd	
					0.077	Estimated, mgd, 12 WUPs	
					1.165	Total, mgd	
Pinellas	10646	Olympia Investment Group, & SHS Resort	I405	G	0.058	0.040	0.036
Pinellas	20254	Electronic Comm Inc.	I805	G	0.035	0.230	0.230
Pinellas County Totals					0.093	Metered, mgd	
					0.051	Estimated, mgd, 5 WUPs	
					0.144	Total, mgd	
Polk	47	City of Lakeland	I435	G	0.724	2.592	2.592
Polk	47	City of Lakeland	I435	S	0.000	2.592	2.592
Polk	225	Interstate Commerce Park One, LLC	I502	G	0.020	0.084	0.084
Polk	260	Caribbean Distillers, LLC	I800	G	0.000	0.112	0.112
Polk	261	Hackl Enterprises, LLC	I429	G	0.000	0.143	0.143
Polk	295	City of Lakeland	I447	S	0.189	0.415	0.415
Polk	408	Citrus World, Inc	I765	G	1.542	2.139	2.139
Polk	438	U.S. Agri-Chemicals Corp	I835	G	5.226	6.242	6.242
Polk	440	U.S. Agri-Chemicals Corp	I859	G	0.000	0.063	0.063
Polk	493	Cutrale Citrus Juices USA Inc	I765	G	1.121	2.500	2.500
Polk	610	Mosaic Fertilizer, LLC	I835	G	0.816	1.665	1.665
Polk	2834	Bartow Citrus Products, LLC	I765	G	0.018	0.385	0.385
Polk	3147	Clear Springs Enterprises LLC	I511	G	0.111	0.478	0.298
Polk	3641	AOC, LLC	I780	G	0.022	0.601	0.601

2020 ESTIMATED WATER USE REPORT

Table A-11. 2020 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	5798	Publix Super Markets Inc	I412	G	1.065	1.441	1.441
Polk	5798	Publix Super Markets Inc	I412	S	0.021	1.441	1.441
Polk	8753	GCP Plantation Landings, LLC	I478	G	0.012	0.070	0.013
Polk	10347	Caribbean Distillers, LLC	I800	G	0.136	0.300	0.300
Polk	10555	Caribbean Distillers, LLC	I780	G	0.270	0.377	0.377
Polk	10575	Surterra Lakeland, LLC	I700	G	0.000	0.070	0.005
Polk	10631	Wheelabrator Ridge Energy, Inc	I861	G	0.000	0.875	0.875
Polk	10700	Polk Power Partners LP	I865	G	0.311	0.761	0.761
Polk	10770	Refresco Florida, Inc	I420	G	0.531	0.900	0.900
Polk	10840	Duke Energy & U.S. Agri-Chemicals Corp	I861	G	0.613	1.700	1.700
Polk	10944	Duke Energy Florida	I861	G	0.250	17.500	17.500
Polk	10948	Orange Cogeneration Limited Partnership	I860	G	0.309	0.660	0.660
Polk ⁵	11400	Mosaic Fertilizer, LLC (Multi-County w Sarasota)	I859	G	16.557	69.600	25.000
Polk ⁵	11400	Mosaic Fertilizer, LLC	I859	S	0.000	69.600	25.000
Polk	11747	Tampa Electric Company	I863	G	0.564	4.300	4.300
Polk	12054	Duke Energy - Osprey Energy Center	I861	G	1.564	2.742	2.742
Polk	12076	Cemex Construction Materials Florida, LLC	I745	G	0.000	0.097	0.050
Polk	12076	Cemex Construction Materials Florida, LLC	I745	S	0.000	0.097	0.050
Polk	12232	Citrosuco North America	I765	G	0.346	1.638	1.317
Polk	12794	Sofidel America, Inc	I800	G	0.213	0.324	0.324
Polk	12867	Clear Springs Enterprises LLC	I840	G	0.000	1.299	0.000
Polk	12867	Clear Springs Enterprises LLC	I840	S	0.000	1.299	0.000
Polk	13068	GrowHealthy Properties, LLC	I755	G	0.042	0.040	0.040
Polk	20789	Nucor Steel Florida Inc	I429	G	0.156	0.670	0.397
Polk County Totals					32.751	Metered, mgd	
					0.683	Estimated, mgd, 64 WUPs	
					33.434	Total, mgd	

2020 ESTIMATED WATER USE REPORT

Table A-11. 2020 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 Sarasota County					0	Metered, mgd	
					0.137	Estimated, mgd, 9 WUPs	
					0.137	Total, mgd	
Sumter	2180	Sumter, LLC	I735	G	0.000	1.026	0.350
Sumter	6838	Florida Department of Corrections	I840	G	0.361	0.458	0.444
Sumter	8193	City of Center Hill	I820	G	0.006	0.171	0.014
Sumter	11259	Sumter County BOCC	I805	G	0.000	0.049	0.049
Sumter	12885	Suwannee American Cement Company, LLC	I740	G	0.05	0.443	0.344
Sumter	13111	William Farkus Rev Living Trust	I735	G	0.02	0.496	0.496
Sumter	20576	SWR Properties, LLC	I735	G	0.000	0.496	0.496
Sumter County Totals					0.436	Metered, mgd	
					0.309	Estimated, mgd, 15 WUPs	
					0.745	Total, mgd	
District Totals					51.986	Metered, mgd	
					2.465	Estimated, mgd	
					54.451	Total, mgd	

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

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

2020 ESTIMATED WATER USE REPORT

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

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

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

2020 ESTIMATED WATER USE REPORT

Table A-12. 2020 Metered + Estimated Industrial/Commercial Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.034	0.029	0.045	0.039	0.036	0.032	0.030	0.033	0.043	0.050	0.043	0.032
Citrus	1.580	1.411	1.411	1.307	1.847	2.105	2.455	2.248	2.091	2.696	1.160	1.451
Desoto	0.732	0.715	0.756	0.766	0.692	0.580	0.691	0.567	0.650	0.637	0.568	0.886
Hardee	2.185	3.267	3.039	2.348	3.270	3.130	3.054	2.923	3.078	2.692	4.255	4.216
Hernando	3.034	2.835	2.886	3.749	3.100	3.045	4.241	3.149	3.182	5.108	4.995	0.504
*Highlands	0.101	0.090	0.133	0.124	0.104	0.084	0.094	0.088	0.098	0.135	0.114	0.080
Hillsborough	7.931	8.058	9.392	11.747	10.560	10.514	9.822	8.473	8.856	9.542	9.274	7.930
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.013	0.011	0.014	0.012	0.013	0.014	0.013	0.016	0.021	0.022	0.020	0.014
Manatee	0.336	0.397	0.459	0.377	0.331	0.335	0.326	0.354	0.373	0.419	0.395	0.328
*Marion	0.018	0.016	0.020	0.017	0.018	0.020	0.019	0.022	0.030	0.032	0.028	0.020
Pasco	1.118	1.259	0.896	1.317	1.298	1.174	1.182	1.254	1.655	0.970	0.806	1.061
Pinellas	0.165	0.140	0.136	0.098	0.166	0.167	0.149	0.101	0.153	0.179	0.126	0.136
*Polk	24.211	27.158	29.645	31.381	29.115	29.478	27.645	31.458	29.599	29.583	27.049	28.038
Sarasota	0.124	0.111	0.141	0.135	0.124	0.117	0.132	0.132	0.152	0.195	0.166	0.111
Sumter	0.820	0.644	0.654	0.713	0.735	0.802	0.799	0.832	0.706	0.891	0.696	0.652
District Total	42.402	46.141	49.627	54.130	51.408	51.597	50.651	51.650	50.687	53.151	49.695	45.459
Groundwater	38.877	42.570	46.341	50.566	47.670	47.997	47.153	48.406	46.945	49.177	46.449	41.809
Surface Water	3.525	3.571	3.286	3.564	3.738	3.600	3.498	3.244	3.742	3.974	3.246	3.650

* 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.

2020 ESTIMATED WATER USE REPORT

Table A-13. 2020 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.)	0.013	0.027	0.027
Charlotte County Totals					0.013	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.)	0.001	0.003	0.003
Citrus County Totals					0.008	Total, mgd	
There were no Institutional or "Other" WUPs in DeSoto County							
Hardee	145	COCC, Inc.	N498	G (est.)	0.001	0.002	0.002
Hardee	9550	Florida Department of Corrections	N499	G (metered)	0.256	0.283	0.283
Hardee	11858	SF III Wauchula REO, LLC	N484	G (metered)	0.007	0.141	0.141
Hardee	11858	SF III Wauchula REO, LLC	N484	S (metered)	0.000	0.141	0.141
Hardee County Totals					0.263	Total, mgd	
There were no Institutional or "Other" WUPs in Hernando County							
Highlands	9144	Highlands County School Board	N484	G (est.)	0.007	0.015	0.015
Highlands	9494	Highlands County School Board	N485	G (est.)	0.005	0.010	0.010
Highlands	10569	Highlands County School Board	N484	G (est.)	0.006	0.013	0.013
Highlands County Totals					0.019	Total, mgd	
Hillsborough	354	Pinellas County Utilities Dept	O508	G (metered)	0.000	0.325	0.325
Hillsborough	6580	Hillsborough Co Bocc Fire Rescue	N499	G (est.)	0.000	0.001	0.001
Hillsborough	8066	First United Methodist Church of Lutz, Inc	N484	G (est.)	0.001	0.003	0.003
Hillsborough	8717	Hillsborough Co School Board	N499	G (metered)	0.011	0.023	0.017
Hillsborough	8722	Hillsborough Co School Board	N499	G (est.)	0.012	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)	0.000	0.134	0.134
Hillsborough	11586	Veterans Administration Hospital	N484	G (est.)	0.000	0.005	0.005
Hillsborough	11986	St. Joseph's Hospital, Inc.	N486	G (est.)	0.113	0.192	0.192

2020 ESTIMATED WATER USE REPORT

Table A-13. 2020 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	20390	Hillsborough County Hospital Authority	N486	G (est.)	0.000	0.002	0.002
Hillsborough	20574	Southwest Florida Water Management District	0508	G (metered)	0.000	2.071	2.071
Hillsborough	20802	City of Tampa	0508	S (metered)	0.886	7.100	7.100
Hillsborough County Totals					1.025	Total, mgd	
There were no Institutional or "Other" WUPs in Lake County							
Levy	9610	Solera, LLC	N485	G (est.)	0.001	0.003	0.003
Levy County Totals					0.001	Total, mgd	
There were no Institutional or "Other" WUPs in Manatee County							
Marion	9610	Marion County School Board	N499	G (est.)	0.034	0.071	0.071
Marion County Totals					0.034	Total, mgd	
Pasco	2296	Saint Leo University, Inc	N499	G (metered)	0.177	0.392	0.392
Pasco	4986	Pasco County School Board (Pasco High School)	N485	G (est.)	0.006	0.013	0.013
Pasco	11127	Tampa Bay Water	0508	G (metered)	0.230	0.498	0.498
Pasco	11129	Tampa Bay Water	0508	G (metered)	0.000	0.416	0.416
Pasco	13348	Pasco County Public Works	0508	S (metered)	0.020	0.18	0.18
Pasco	20500	Barthle Brothers Ranch, LLC	0508	G (metered)	0.047	1.54	1.54
Pasco County Totals					0.480	Total, mgd	
Pinellas	13276	Johns Hopkins All Children's Hospital, Inc	N486	G (metered)	0.001	0.019	0.019
Pinellas	20775	Trustees of Mease Hospital, Inc	N486	G (est.)	0	0.006	0.006
Pinellas County Totals					0.001	Total, mgd	
Polk	494	Florida Dept of Corrections	N499	G (metered)	0.176	0.253	0.253
Polk	3821	U.S. Chelonian Breeding & Research Center, Inc	0509	G (est.)	0.018	0.222	0.222
Polk	6004	Bridge Cranes of America, LLC	N499	G (est.)	0.000	0.001	0.001
Polk	6559	Alcoma Properties Ltd	0510	G (est.)	0.000	0.000	0.000
Polk	6813	FL Fish & Wildlife Conservation Commission	N490	G (est.)	0.001	0.002	0.002
Polk	20753	Vanguard School of Lake Wales	N499	G (est.)	0.019	0.039	0.039

2020 ESTIMATED WATER USE REPORT

Table A-13. 2020 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
Polk County Total					0.214	Total, mgd	
Sarasota	9483	School Board of Sarasota County	N485	G (est.)	0.024	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)	0.000	0.109	0.109
Sarasota County Totals					0.024	Total, mgd	
There were no Institutional or "Other" WUPs in Sumter County							
District Totals					0.881	Institutional, mgd	
					1.201	"Other," mgd	
					2.082	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 specified if withdrawal quantity is based on metered data or estimation.
- 3 The share of Permitted Quantity allocated for the subject Predominant Use. If the value is less than the total permitted quantity, there is another predominant use allocated to the WUP. There may be additional withdrawals by the permittee for the other use on another table

2020 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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2020 ESTIMATED WATER USE REPORT

Table A-14. 2020 Metered + Estimated Institutional and “Other” Monthly Average Withdrawals (mgd/month)

County	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
*Charlotte	0.006	0.036	0.003	0.002	0.050	0.011	0.038	0.002	0.003	0.003	0	0
Citrus	0.003	0.019	0.002	0.002	0.026	0.006	0.020	0.002	0.002	0.002	0.001	0.001
Desoto	0	0	0	0	0	0	0	0	0	0	0	0
Hardee	0.264	0.238	0.204	0.234	0.580	0.247	0.209	0.001	0.458	0.243	0.252	0.235
Hernando	0	0	0	0	0	0	0	0	0	0	0	0
*Highlands	0.008	0.052	0.004	0.004	0.071	0.016	0.055	0.003	0.005	0.004	0	0
Hillsborough	0.079	0.205	0.169	4.342	5.083	1.520	0.272	0.159	0.149	0.135	0.120	0.068
*Lake	0	0	0	0	0	0	0	0	0	0	0	0
*Levy	0.001	0.004	0	0	0.005	0.001	0.004	0	0	0	0	0
Manatee	0	0	0	0	0	0	0	0	0	0	0	0
*Marion	0.015	0.094	0.008	0.006	0.130	0.029	0.099	0.006	0.009	0.008	0.001	0.001
Pasco	0.311	0.230	0.176	0.715	0.740	0.781	0.999	1.032	0.387	0.001	0.233	0.163
Pinellas	0.001	0	0	0	0	0.001	0.002	0.001	0	0	0.001	0
*Polk	0.138	0.195	0.184	0.108	0.163	0.130	0.219	0.324	0.095	0.084	0.083	0.839
Sarasota	0.011	0.068	0.006	0.005	0.093	0.021	0.071	0.004	0.006	0.006	0.001	0.001
Sumter	0	0	0	0	0	0	0	0	0	0	0	0
District Total	0.837	1.141	0.756	5.418	6.941	2.763	1.988	1.534	1.114	0.486	0.692	1.308
Groundwater	0.837	1.141	0.682	1.185	1.931	1.524	1.882	1.326	1.114	0.486	0.692	1.308
Surface Water	0	0	0.074	4.233	5.010	1.239	0.106	0.208	0	0	0	0

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

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

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

APPENDIX B

**2020 METERED + ESTIMATED ANNUAL AVERAGE
GROUNDWATER & SURFACE WATER WITHDRAWALS**

2020 ESTIMATED WATER USE REPORT

Table B-1. 2020 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 (75%)							
*Charlotte	5.633	0.037	0.012	4.163	0.861	0.013	10.719
Citrus	1.603	1.813	0.021	14.783	3.091	0.008	21.319
Desoto	46.926	0.687	0.001	4.519	0.167	0	52.300
Hardee	32.842	3.121	1.76	1.185	0.127	0.263	39.298
Hernando	1.626	3.293	0.012	20.840	3.274	0	29.045
*Highlands	31.259	0.102	0.001	8.285	2.135	0.019	41.801
Hillsborough	38.715	6.652	2.003	79.764	8.97	0.139	136.243
*Lake	0.867	0	0	0	0	0	0.867
*Levy	10.852	0.015	0	0.796	0.151	0.001	11.815
Manatee	40.639	0.369	3.912	13.376	9.567	0	67.863
*Marion	3.015	0.021	0.023	11.709	2.695	0.034	17.497
Pasco	5.594	0.586	0.003	48.595	4.026	0.460	59.264
Pinellas	0.017	0.144	0	25.538	2.437	0.001	28.137
*Polk	66.386	33.212	9.440	73.272	6.674	0.214	189.198
Sarasota	2.285	0.132	0	19.132	6.391	0.024	27.964
Sumter	6.103	0.713	0.036	17.256	3.057	0	27.165
GW Subtotals	294.362	50.897	17.224	343.213	53.623	1.176	760.495
% of GW	39%	7%	2%	45%	7%	0%	100%
SURFACE WATER (25%)							
*Charlotte	1.492	0	0.144	4.751	1.056	0	7.443
Citrus	0.05	0	0.023	0	0.205	0	0.278
Desoto	0.765	0	0.005	30.552	0	0	31.322
Hardee	0.313	0	0	0	0	0	0.313
Hernando	0.026	0.025	0.004	0	0	0	0.055
*Highlands	4.334	0.001	0.008	0.021	0.002	0	4.366
Hillsborough	2.573	2.690	0.012	155.403	0.952	0.886	162.516
*Lake	0	0	0	0	0	0	0
*Levy	0	0	0	0	0	0	0
Manatee	0.147	0.000	0	36.811	0.340	0	37.298
*Marion	0	0	0	0	0	0	0
Pasco	0.056	0.579	0.060	0	0.240	0.020	0.955
Pinellas	0	0	0	0	0.976	0	0.976
*Polk	2.709	0.222	0.048	0	0.486	0	3.465
Sarasota	0.125	0.005	0.003	1.035	1.419	0	2.587
Sumter	0	0.032	0.056	8.241	0	0	8.329
District SW	12.590	3.554	0.363	236.814	5.676	0.906	259.903
% of SW	5%	1%	0%	91%	2%	0%	100%
District Totals	306.952	54.451	17.587	580.027	59.299	2.082	1,020.398
% of Total	30%	5%	2%	57%	6%	0%	100%

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

Table does not include Domestic Self-Supply (40.103 mgd groundwater) or Seawater Desalination (8.420 mgd) because they are non-WUP sources.

Source: Estimated Water Use Tables derived from the WUP database and 2020 PSARs.

2020 ESTIMATED WATER USE REPORT

Table B-2. 2020 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	5.633	0.037	0.012	4.163	0.861	0.013	10.719
Desoto	46.926	0.687	0.001	4.519	0.167	0	52.300
Hardee	32.842	3.121	1.760	1.185	0.127	0.263	39.298
*Highlands	31.259	0.102	0.001	8.285	2.135	0.019	41.801
*Hillsborough	18.905	0.857	2.001	21.191	3.219	0.014	46.187
Manatee	40.639	0.369	3.912	13.376	9.567	0	67.863
*Polk	60.395	23.545	9.059	63.910	5.361	0.020	162.290
Sarasota	2.285	0.132	0	19.132	6.391	0.024	27.964
SWUCA GW Subtotals	238.884	28.850	16.746	135.761	27.828	0.353	448.422
% of GW	53%	6%	4%	30%	6%	0%	100%
SURFACE WATER (19%)							
*Charlotte	1.492	0	0.144	4.751	1.056	0	7.443
Desoto	0.765	0	0.005	30.552	0	0	31.322
Hardee	0.313	0	0	0	0	0	0.313
*Highlands	4.334	0.001	0.008	0.021	0.002	0	4.366
*Hillsborough	1.132	2.652	0.009	15.335	0.244	0	19.372
Manatee	0.147	0	0	36.811	0.340	0	37.298
*Polk	2.542	0.222	0.034	0	0.465	0	3.263
Sarasota	0.125	0.005	0.003	1.035	1.419	0	2.587
SWUCA SW Subtotals	10.850	2.880	0.203	88.505	3.526	0	105.964
% of SW	10%	3%	0%	84%	3%	0%	100%
SWUCA Totals	249.734	31.73	16.949	224.266	31.354	0.353	554.386
% of SWUCA	45%	6%	3%	40%	6%	0%	100%
**SWUCA % of Districtwide Totals	81%	58%	96%	39%	53%	17%	54%

Source: Estimated Water Use Tables derived from the WMIS database and 2020 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.

2020 ESTIMATED WATER USE REPORT

Table B-3. 2020 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 (59%)							
Hillsborough	12.232	0.087	0.019	0.149	2.879	0.002	15.368
Manatee	20.321	0.369	0.023	0.007	9.120	0	29.840
Sarasota	0.690	0.053	0	6.459	1.480	0	8.682
MIA GW Subtotal	33.243	0.509	0.042	6.615	13.479	0.002	53.890
% of GW	62%	1%	0.1%	12%	25%	0.004%	100%
SURFACE WATER (41%)							
Hillsborough	0.499	0.002	0.009	0.001	0.229	0	0.740
Manatee ¹	0.107	0	0	36.811	0.340	0	37.258
Sarasota	0.059	0	0	0	0.033	0	0.092
MIA SW Subtotals	0.665	0.002	0.009	36.812	0.602	0	38.090
% of SW	2%	0%	0%	97%	2%	0%	100%
MIA Total	33.908	0.511	0.051	43.427	14.081	0.002	91.980
% of MIA	37%	1%	0.1%	47%	15%	0.002%	100%
* % of SWUCA Total	14%	2%	0.3%	19%	45%	1%	17%
** % of Districtwide Total	11%	1%	0.3%	7%	24%	0.1%	9%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2020 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.

2020 ESTIMATED WATER USE REPORT

Table B-4. 2020 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 (55%)							
*Hillsborough	19.810	5.795	0	58.573	5.751	0.125	90.054
Pasco	5.594	0.586	0.003	48.595	4.026	0.460	59.264
Pinellas	0.017	0.144	0	25.538	2.437	0.001	28.137
NTB WUCA GW Subtotal	25.421	6.525	0.003	132.706	12.214	0.586	177.455
% of GW	14%	4%	0%	75%	7%	0%	100%
SURFACE WATER (45%)							
*Hillsborough	1.441	0.038	0.003	140.068	0.708	0.886	143.144
Pasco	0.056	0.579	0.060	0	0.240	0.020	0.955
Pinellas	0	0	0	0	0.976	0	0.976
NTB WUCA SW Subtotal	1.497	0.617	0.063	140.068	1.924	0.906	145.075
% of SW	1%	0.4%	0%	97%	1%	0.6%	100%
NTB WUCA Total	26.918	7.142	0.066	272.774	14.138	1.492	322.530
% of NTB WUCA	8%	2%	0%	85%	4%	0%	100%
**% of District Total	9%	13%	0.4%	47%	24%	72%	32%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2020 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.

2020 ESTIMATED WATER USE REPORT

Table B-5. 2020 Metered + Estimated Annual Average Withdrawal (mgd) in the Dover/Plant City Water Use Caution Area (DPC WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (96%)							
Hillsborough	21.636	0.003	0	20.100	0.336	0.011	42.086
Polk	0.569	0.136	0	3.611	0.005	0	4.321
DPC WUCA GW Subtotal	22.205	0.138	0	23.711	0.341	0.011	46.407
% of GW	48%	0%	0%	51%	1%	0%	100%
SURFACE WATER (4%)							
Hillsborough	1.703	0.003	0	0.001	0	0	1.707
Polk	0.012	0	0	0	0	0	0.012
DPC WUCA SW Subtotal	1.715	0.003	0	0.001	0	0	1.719
% of SW	100%	0.2%	0%	0.1%	0%	0%	100%
DPC WUCA Total	23.920	0.141	0	23.712	0.341	0.011	48.126
% of DPC WUCA	50%	0%	0%	49%	1%	0.023%	100%
* % of District Total	8%	0%	0%	4%	1%	0.5%	5%

Source: Estimated Water Use Tables derived from the WMIS WUP database and 2020 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 #11400 and #4352 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

2020 ESTIMATED WATER USE REPORT

Table B-6. 2020 Metered + Estimated Average Annual Withdrawal (mgd) in the FARMS Upper Myakka Priority Watershed by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Withdrawal
GROUNDWATER (100%)							
Hardee	0.562	0	0	0	0	0	0.562
Manatee	12.783	0.011	0.325	0.001	0.014	0	13.134
Sarasota	1.287	0	0	2.493	0	0	3.780
GW Subtotal	14.632	0.011	0.325	2.494	0.014	0	17.476
% of GW	84%	0%	2%	14%	0%	0%	100%
SURFACE WATER (<1%)							
Hardee	0	0	0	0	0	0	0
Manatee	0	0	0	0	0	0	0
Sarasota	0.052	0	0.002	0	0	0	0.054
SW Subtotals	0.052	0	0.002	0	0	0	0.054
% of SW Subtotals	96%	0%	4%	0%	0%	0%	100%
GW+SW Total	14.684	0.011	0.327	2.494	0.014	0	17.530
% of Total	84%	0%	2%	14%	0.1%	0%	100%

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

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

2020 ESTIMATED WATER USE REPORT

Table B-7. 2020 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 (51%)							
Charlotte	5.063	0.007	0.013	1.367	0.215	0	6.665
DeSoto	0.369	0	0	0	0	0	0.369
GW Subtotals	5.432	0.007	0.013	1.367	0.215	0	7.034
% of GW Subtotals	77%	0%	0%	19%	3%	0%	100%
SURFACE WATER (49%)							
Charlotte	1.385	0	0.096	4.751	0.006	0	6.238
DeSoto	0.397	0	0	0	0	0	0.397
SW Subtotals	1.782	0	0.096	4.751	0.006	0	6.635
% of SW Subtotals	27%	0%	1%	72%	0%	0%	100%
GW+SW Subtotals	7.214	0.007	0.109	6.118	0.221	0	13.669
% Totals	53%	0%	1%	45%	2%	0%	100%

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

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

2020 ESTIMATED WATER USE REPORT

APPENDIX C

2020 PERMITTED

GROUNDWATER & SURFACE WATER

ANNUAL AVERAGE QUANTITIES

2020 ESTIMATED WATER USE REPORT

Table C-1. 2020 Total Permitted Average Annual Quantities (mgd) in the District by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (78%)							
*Charlotte	22.436	0.079	0.062	9.734	2.368	0.027	34.706
Citrus	3.453	6.469	0.067	18.258	4.059	0.015	32.321
DeSoto	106.347	1.371	0.001	1.402	0.862	0	109.983
Hardee	73.910	4.638	6.392	1.752	0.160	0.426	87.278
Hernando	3.573	11.187	0.280	25.869	5.721	0	46.630
*Highlands	51.469	0.359	0.003	11.275	2.755	0.039	65.900
Hillsborough	93.314	20.040	0.142	137.941	17.124	2.778	271.339
*Lake	1.720	0	0	0	0	0	1.720
*Levy	23.076	1.608	0.001	1.077	0.253	0.003	26.018
Manatee	150.889	0.849	0.071	21.942	16.530	0	190.281
*Marion	14.570	0.040	0.086	12.267	4.751	0.071	31.785
Pasco	17.117	5.656	0.043	21.070	8.228	2.859	54.973
Pinellas	0.157	0.361	0	27.472	4.584	0.025	32.599
*Polk	111.236	75.999	45.040	117.186	13.035	0.517	363.013
Sarasota	18.037	0.233	0	45.762	15.395	0.160	79.587
Sumter	16.825	3.111	0.162	27.727	8.629	0	56.454
GW Subtotal	708.129	132.000	52.350	480.734	104.454	6.920	1,484.587
% of GW	48%	9%	4%	32%	7%	0.5%	100%
SURFACE WATER (22%)							
*Charlotte	5.030	0	0.552	7.991	2.362	0	15.935
Citrus	0.060	0.001	0.071	0	0.296	0	0.428
DeSoto	5.436	0	0.028	79.768	0	0	85.232
Hardee	4.160	0	0	0	0	0	4.160
Hernando	0.054	1.487	0.026	0	0.498	0	2.065
*Highlands	5.442	0.001	0.027	0.018	0.002	0	5.490
Hillsborough	7.486	6.094	0.267	205.782	2.543	7.100	229.272
*Lake	0.078	0	0	0	0	0	0.078
*Levy	0	0	0.122	0	0	0	0.122
Manatee	4.687	0.009	0.414	41.850	8.637	0	55.597
*Marion	0	0	0.040	0	0.249	0	0.289
Pasco	0.108	0.189	0.195	0	0.433	0.180	1.105
Pinellas	0.042	0	0	0	1.805	0	1.847
*Polk	5.291	1.434	0.536	0.056	0.577	0	7.894
Sarasota	0.233	0.029	0.010	7.045	2.672	0	9.989
Sumter	0.037	0.059	0.465	0	0	0	0.561
SW Subtotal	38.144	9.303	2.753	342.510	20.074	7.280	420.064
% of SW	9%	2%	1%	82%	5%	1.7%	100%
District Total	746.273	141.303	55.103	823.244	124.528	14.200	1,904.651
% of District Total	39%	7%	3%	43%	7%	0.7%	100%

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

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

2020 ESTIMATED WATER USE REPORT

Table C-2. 2020 Total Permitted Average Annual Quantities (mgd) in the Southern Water Use Caution Area (SWUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (82%)							
*Charlotte	22.436	0.079	0.062	9.734	2.368	0.027	34.706
DeSoto	106.347	1.371	0.001	1.402	0.862	0	109.983
Hardee	73.910	4.638	6.392	1.752	0.160	0.426	87.278
*Highlands	51.469	0.359	0.003	11.275	2.755	0.039	65.900
*Hillsborough	53.966	9.060	0.133	24.317	6.316	0.029	93.821
Manatee	150.889	0.849	0.071	21.942	16.530	0	190.281
*Polk	97.629	74.964	44.282	101.947	10.672	0.042	329.536
Sarasota	18.037	0.233	0	45.762	15.395	0.160	79.587
GW Subtotal	574.683	91.553	50.944	218.131	55.058	0.723	991.092
% SWUCA GW	58%	9%	5%	22%	6%	0%	100%
SURFACE WATER (18%)							
*Charlotte	5.030	0	0.552	7.991	2.362	0	15.935
DeSoto	5.436	0	0.028	79.768	0	0	85.232
Hardee	4.160	0	0	0	0	0	4.160
*Highlands	5.442	0.001	0.027	0.018	0.002	0	5.490
*Hillsborough	4.655	5.970	0.254	18.705	0.637	0	30.221
Manatee	4.687	0.009	0.414	41.850	8.637	0	55.597
*Polk	4.730	1.434	0.381	0.056	0.550	0	7.151
Sarasota	0.233	0.029	0.010	7.045	2.672	0	9.989
SW Subtotal	34.373	7.443	1.666	155.433	14.860	0	213.775
% SWUCA SW	16%	3%	1%	73%	7%	0%	100%
SWUCA Total	609.056	98.996	52.61	373.564	69.918	0.723	1204.867
% of SWUCA	51%	8%	4%	31%	6%	0%	100%
**SWUCA % of Districtwide Total	82%	70%	95%	45%	56%	5%	63%

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.

2020 ESTIMATED WATER USE REPORT

Table C-3. 2020 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 (75%)							
Hillsborough	36.820	4.753	0.131	0.186	5.284	0.005	47.179
Manatee	74.362	0.723	0.067	3.966	16.289	0	95.407
Sarasota	3.490	0.101	0	19.995	2.596	0.001	26.183
GW Subtotal	114.672	5.577	0.198	24.147	24.169	0.006	168.769
% of GW	68%	3%	0%	14%	14%	0%	100%
SURFACE WATER (25%)							
Hillsborough	1.637	0.003	0.218	0.002	0.611	0	2.471
Manatee	2.005	0	0.246	41.850	8.637	0	52.738
Sarasota	0.071	0	0	0	0.085	0	0.156
SW Subtotal	3.713	0.003	0.464	41.852	9.333	0	55.365
% of SW	7%	0%	1%	76%	17%	0%	100%
MIA Total	118.385	5.580	0.662	65.999	33.502	0.006	224.134
% of MIA Total	53%	2%	0.3%	29%	15%	0%	100%
*MIA % of SWUCA Total	19%	6%	1%	18%	48%	1%	19%
*MIA % of Districtwide Total	16%	4%	1%	8%	27%	0%	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.

2020 ESTIMATED WATER USE REPORT

Table C-4. 2020 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	39.348	10.980	0.009	113.624	10.808	2.749	177.518
Pasco	17.117	5.656	0.043	21.070	8.228	2.859	54.973
Pinellas	0.157	0.361	0	27.472	4.584	0.025	32.599
NTB WUCA GW Subtotal	56.622	16.997	0.052	162.166	23.62	5.633	265.090
% of GW	21%	6%	0.02%	61%	9%	2%	100%
SURFACE WATER (43%)							
*Hillsborough	2.831	0.124	0.013	187.077	1.906	7.100	199.051
Pasco	0.108	0.189	0.195	0	0.433	0.180	1.105
Pinellas	0.042	0	0	0	1.805	0	1.847
NTB WUCA SW Subtotal	2.981	0.313	0.208	187.077	4.144	7.280	202.003
% of SW	1%	0.2%	0.1%	93%	2%	4%	100%
NTB WUCA Total	59.603	17.310	0.260	349.243	27.764	12.913	467.093
% of NTB WUCA	13%	4%	0.1%	75%	6%	3%	100%
**NTB WUCA % of Districtwide Total	8%	12%	0.5%	42%	22%	91%	25%

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.

2020 ESTIMATED WATER USE REPORT

Table C-5. 2020 Total Permitted Annual Average Quantities (mgd) in the Dover/Plant City Water Use Caution Area (DPC WUCA) by Source, Use Category, and County

County	Agriculture	Industrial/ Commercial	Mining/ Dewatering	Public Supply	Landscape/ Recreation	Institutional/ Other	Total Permitted
GROUNDWATER (96%)							
Hillsborough¹	43.195	3.933	0.002	40.551	0.743	0.018	88.442
Polk²	0.763	1.419	0.001	7.088	0.014	0	9.285
GW Subtotal	43.958	5.352	0.003	47.639	0.757	0.018	97.727
% of GW	45%	5%	0%	49%	1%	0.0%	100%
SURFACE WATER (4%)							
Hillsborough	3.397	0.005	0.036	0.002	0	0	3.440
Polk	0	0.072	0.129	0	0	0	0.201
SW Subtotal	3.397	0.077	0.165	0.002	0	0	3.641
% of SW	93%	2%	5%	0.1%	0%	0%	100%
DPC WUCA Total	47.355	5.429	0.168	47.641	0.757	0.018	101.368
% of DPC WUCA Total	47%	5%	0.2%	47%	0.7%	0%	100%
*DPC WUCA % of Districtwide Total	6%	4%	0.3%	6%	0.6%	0.1%	5%

Source: 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 had two active wells within the DPCWUCA boundary, to which proxy permitted quantities of 1.242 mgd were allocated for Industrial use.

2020 ESTIMATED WATER USE REPORT

Table C-6. 2020 Total Permitted Freeze Protection Quantities (mgd) for Agricultural Use in the DPC WUCA

County/Use	Aqua-culture	Blue-berries	Citrus	Nursery, Container	Nursery, Field	Other Fruit Trees	Straw - berry	Total Permitted
GROUNDWATER (80%)								
Hillsborough	2.839	22.954	83.484	59.897	1.711	2.540	732.846	906.271
Polk	0	0.813	0.979	0	0	0	1.234	3.026
Max Day GW Quantities	2.839	23.767	84.463	59.897	1.711	2.540	734.080	909.297
% of GW	0.3%	3%	9%	7%	0.2%	0.3%	81%	100%
SURFACE WATER (20%)								
Hillsborough	0	0.386	8.940	2.358	0	0	213.002	224.686
Polk	0	0	0	0	0	0	1.859	1.859
Max Day SW Quantities	0	0.386	8.940	2.358	0	0	214.861	226.545
% of SW	0%	0.2%	4%	1%	0%	0%	95%	100%
Total Max Day Quantities	2.839	24.153	93.403	62.255	1.711	2.540	948.941	1,135.842
% of Total Max Day Quantity	0.2%	2%	8%	5%	0.2%	0.2%	84%	100%

Table C-7. 2020 Total Number of Agricultural Water Use Permits with Freeze Protection Quantities in the DPC WUCA for Agricultural Use

County/Use	Aqua-culture	Blue-berries	Citrus	Nursery, Container	Nursery, Field	Other Fruit Trees	Straw - berry	Total WUPs
Hillsborough	4	19	55	28	2	3	251	362
Polk	0	1	1	0	0	0	2	4
Total	4	20	56	28	2	3	253	366

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.

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

APPENDIX D

2011 - 2020

HISTORIC PUBLIC SUPPLY PER CAPITA RATES

FROM THE

PUBLIC SUPPLY ANNUAL REPORTS

2020 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	2020 Service Area Population	Calendar Year									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Charlotte	718	Gasparilla Island Water Association	6,150	182	194	185	187	181	182	182	189	176	172
Charlotte	871	City of Punta Gorda	39,875	115	121	114	120	126	128	134	132	127	133
Charlotte	1512	Charlotte Harbor Water Association	4,564	80	71	79	94	92	106	82	76	74	90
Charlotte	3522	Charlotte County Burnt Store	6,941	65	57	60	58	64	59	63	61	60	67
Charlotte	7104	Charlotte County	137,800	75	77	80	81	79	79	81	74	73	74
Charlotte	7768	Island Harbor / Knight Island	NA	154	93	100	123	.	.	.	.	.	.
Citrus	207	City of Crystal River	5,684	127	135	120	137	137	148	127	135	124	121
Citrus	419	City of Inverness	9,185	47	119	118	108	109	104	106	109	95	121
Citrus	1118	Floral City Water Association	5,190	55	62	62	56	58	66	64	64	69	62
Citrus	2842	Citrus County WRD	19,806	149	136	130	124	133	142	144	131	131	130
Citrus	4153	Rolling Oaks Utilities, Inc.	11,548	153	136	136	122	119	134	132	132	137	134
Citrus	4406	Homosassa Special Water District	5,802	145	131	131	120	127	130	133	133	140	137
Citrus	6691	Gulf Highway Land Corporation	585	185	116	120	102	106	112	110	93	96	111
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	26,241	158	142	138	143	145	168	167	161	167	162
Citrus	7879	Fla Gov't Utility / Oak Forest	NA	86	.	.	.	.	.	.	.	.	.
Citrus	9097	Tarawood Utilities	158	.	.	.	.	.	.	.	.	.	61
Citrus	9791	Citrus County WRD / Sugarmill Woods	12,999	221	192	197	186	192	212	199	166	158	167
Citrus	11839	Walden Woods Ltd	1,021	147	117	161	141	134	144	137	141	152	171
Citrus	20230	Ozello Water Association Inc	4,754	117	93	84	82	81	79	82	68	80	94
DeSoto	4725	City of Arcadia	11,868	98	70	70	82	82	84	85	82	97	70
DeSoto	20457	DeSoto County Utilities	5,951	.	.	.	74	94	125	148	82	74	80
Hardee	30	City of Bowling Green	4,658	52	76	95	48	45	41	41	54	45	43
Hardee	4461	City of Wauchula	6,490	65	98	97	101	98	101	106	101	99	96
Hardee	7658	Town of Zolfo Springs	2,499	59	63	51	51	50	59	66	65	52	54
Hardee	13026	Hardee County BOCC	2,913	75	39	51	41	41	44	47	44	45	45
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	141	130	104	98	.	.	.	.	.	.
Hernando	2983	Hernando Co Utilities Dept / West	NA	145	133	125	122	.	.	.	.	.	.
Hernando	5789	Hernando Co Utilities Dept (Consolidated)	149,003	127	111	96	89	119	127	126	123	126	129
Hernando	7627	City of Brooksville	18,308	84	72	68	69	75	82	81	76	75	70
Hernando	12011	Hernando Co Utilities Dept	NA	160	143	116	153	.	.	.	.	.	.

2020 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	2020 Service Area Population	Calendar Year									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Highlands	4167	Aqua Utilities, Lake Josephine	1,382	90	131	100	106	121	115	84	95	81	82
Highlands	4492	City of Sebring	33,923	99	100	96	97	92	99	112	110	112	115
Highlands	4980	Lake Placid Holding Company	4,537	66	57	62	67	68	65	73	63	66	71
Highlands	5270	Town of Lake Placid	7,395	140	96	97	82	83	82	84	81	90	92
Highlands	6029	City of Avon Park	22,645	89	92	106	80	80	83	84	83	94	91
Highlands	6326	Town of Lake Placid	NA	68	62	64	.	.	.	.	.	.	.
Highlands	7139	Buttonwood Bay Utilities	1,631	108	110	91	92	87	85	109	104	135	117
Highlands	7704	Country Club Utilities, Inc.	NA	285	276	228	248	200	.	.	.	.	.
Highlands	9490	LP Utilities Inc	NA	67	98	83	70	68	56	.	.	.	.
Highlands	11609	Town of Lake Placid	NA	52	57	71	.	.	.	.	.	.	.
Highlands	13099	Sun N Lake of Sebring	7,724	79	81	83	86	85	83	83	81	85	88
Highlands	13367	Silver Lakes Utilities	NA	115	.	.	.	.	.	.	.	.	.
Hillsborough	450	City of Temple Terrace	31,341	108	107	101	102	103	99	115	114	115	121
Hillsborough	1776	City of Plant City	41,747	128	130	126	133	135	142	149	148	149	145
Hillsborough	2062	City of Tampa	719,482	110	116	109	110	109	112	119	111	99	104
Hillsborough	2285	Davpam MHP	1,277	101	111	90	91	97	104	116	109	113	118
Hillsborough	2707	Pluris Eastlake LLC	NA	42	37	30	36	.	.	.	.	.	.
Hillsborough	4757	Wilder Corporation / Hawaiian Isles	NA	15	.	.	.	.	.	.	.	.	.
Hillsborough	6879	The Meadows at Countrywood MHC	2,416	99	109	99	101	89	98	111	105	80	75
Hillsborough	7002	Hometown America / Featherock MHP	NA	102	.	.	.	.	.	.	.	.	.
Hillsborough	7637	Riverside Golf Course Com LLC	1,258	212	150	260	195	544	374	441	491	378	428
Hillsborough	7790	Paradise Village MHC	2,187	48	46	57	33	57	46	48	56	61	57
Hillsborough	10443	Windemere Utility Company	2,776	114	95	91	85	82	89	91	85	91	97
Hillsborough	12994	Pluris PCU INC	NA	122	116	103	92	.	.	.	.	.	.
Hillsborough	20141	Hillsborough County NW	670,579	95	94	93	94	96	96	100	98	102	108
Levy	5640	City of Williston	3,319	149	149	134	134	137	146	134	189	141	137
Levy	7755	Town of Yankeetown	NA	59	78	63	64	80	85	.	.	.	.
Levy	8953	Town of Inglis	1,665	100	76	84	73	72	69	58	56	60	65
Manatee	5387	Manatee County / Lake Manatee	NA	73	.	.	.	.	.	.	.	.	.
Manatee	6392	City of Bradenton	75,466	84	82	82	88	84	88	88	84	87	81

2020 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	2020 Service Area Population	Calendar Year									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Manatee	10963	Town of Longboat Key	19,000	99	86	85	90	90	91	89	92	101	99
Manatee	12443	City of Palmetto	18,849	74	72	80	79	78	73	81	83	79	77
Manatee	13343, 7345	Manatee County Utilities	378,390	74	91	92	91	89	92	91	87	89	95
Marion	377	Marion Co Utilities / S Glen & Marion Oaks	NA	89	.	.	.	.	.	.	.	.	.
Marion	1156	Bay Laurel CDD	14,910	309	226	218	185	222	236	248	233	241	237
Marion	2999	Marion Utilities Inc	1,128	88	92	83	81	90	94	91	86	79	88
Marion	4257	Rainbow Springs Utilities LC	NA	129	.	.	.	.	.	.	.	.	.
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,000	172	158	144	136	137	160	153	136	148	145
Marion	6151	Marion County Utilities	40,831	160	136	139	116	127	139	137	130	127	130
Marion	6792	Sun Communities	NA	150	162	150	124	132	140	160	128	.	.
Marion	7849	Marion Utilities Inc	1,087	125	188	106	95	108	123	117	109	111	118
Marion	8005	Century Fairfield Village LTD	NA	89	122	119	117	118	118	141	118	.	.
Marion	8020	Marion Landings Homeowners Association	1,127	167	155	136	116	127	137	131	113	114	122
Marion	8165	Marion Co Utilities /Quail Meadow	NA	84	.	.	.	.	.	.	.	.	.
Marion	8339	City of Dunnellon	6,083	163	121	121	120	115	147	144	154	157	184
Marion	8481	Marion Utilities Inc / Spruce Creek	7,077	117	108	88	93	103	106	105	102	104	112
Marion	9360	Windstream Utilities Company	NA	263	238	238	230	.	.	.	.	.	.
Marion	11752	Marion County Utilities / Golden Ocala	NA	479	.	.	.	.	.	.	.	.	.
Pasco	279	Florida Gov Utility Authority	3,703	75	61	80	81	55	56	58	57	71	81
Pasco	540	Holiday Gardens Utilities Inc	NA	67	59	61	78	.	.	.	.	.	.
Pasco	543	Crestridge Utility Corp	NA	58	52	44	51	.	.	.	.	.	.
Pasco	590	Florida Gov Utility Authority	8,366	117	104	110	101	99	104	116	109	100	99
Pasco	964	C S Water Company Inc	NA	87	87	72	72	79	84	83	85	84	.
Pasco	1631	City of Dade City	12,814	116	106	106	119	106	109	110	105	107	111
Pasco	2043	Orangewood Lakes Mobile Home	NA	46	63	66	72	79	74	.	54	.	.
Pasco	2978	Florida Gov Utility Authority	5,444	108	110	116	101	95	105	122	114	123	127
Pasco	3182	Florida Gov Utility Authority	31,042	95	98	79	83	80	84	85	79	79	82
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	NA	59	64	53	52	57	58	59	56	55	.
Pasco	3668	Utilities Inc of Florida / Summertree	NA	53	64	99	109	62	49	.	.	.	.
Pasco	3677	Florida Gov Utility Authority	NA	55	53	54	47	59	55	54	52	.	.

2020 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	2020 Service Area Population	Calendar Year									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Pasco	3692	City of Port Richey	7,732	53	46	56	45	43	49	87	92	87	91
Pasco	4550	City of San Antonio	2,455	124	87	90	90	92	61	60	58	55	58
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	49	58	.	.	.	.	.	.	.	.
Pasco	4669	Hudson Water Works Inc	7,277	92	83	87	82	90	79	97	87	89	91
Pasco	4734	City of New Port Richey	32,783	89	86	82	90	95	96	97	93	95	102
Pasco	6040	City of Zephyrhills	28,584	112	109	109	88	74	84	88	84	82	82
Pasco	7299	L W V Utilities Inc	NA	85	64	.	.	.	.	.	.	.	.
Pasco	7999	Florida Gov Utility Authority	2,026	64	62	60	56	60	55	60	64	68	67
Pasco	8417	Florida Gov Utility Authority	7,966	49	53	57	52	54	54	54	50	49	49
Pasco	8491	Parrish Properties V LLC	NA	23	.	.	.	.	.	.	.	.	.
Pasco	11863	Pasco County Utilities	310,502	129	126	124	111	90	107	113	104	107	109
Pinellas	742	City of Tarpon Springs	28,834	72	71	96	93	94	90	86	91	86	91
Pinellas	2980	City of Dunedin	46,161	83	99	78	79	77	80	79	76	75	81
Pinellas	2981	City of Clearwater	147,007	87	75	78	80	76	75	75	76	73	72
Pinellas	7692	City of Belleair	5,979	121	175	128	131	129	140	144	138	133	136
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	61	54	54	51	32	.	.	.	.	.
Pinellas	10795	City of Gulfport	15,225	68	67	67	65	79	67	67	63	61	59
Pinellas	11218	City of Oldsmar	17,438	89	88	72	74	59	74	81	80	83	80
Pinellas	11245	City of Safety Harbor	15,126	88	80	91	85	93	97	98	95	86	71
Pinellas	12351	City of Pinellas Park	64,740	57	56	50	50	55	50	51	51	68	75
Pinellas	20142	Pinellas County	509,137	81	83	77	70	82	76	77	73	74	76
Pinellas	20143	City of St. Petersburg	353,553	96	100	79	77	79	78	80	78	74	72
Polk	341	City of Bartow	26,298	109	111	101	97	99	103	109	106	113	108
Polk	645	City of Fort Meade	5,331	96	91	94	87	89	102	99	95	100	106
Polk	1616	Lake Region Mobile Home Owners	NA	143	85	82	70	74	.	.	.	.	.
Polk	1625	Four Lakes Golf Club Ltd	1,448	280	277	256	229	206	263	279	206	288	251
Polk	2332	Town of Lake Hamilton	1,893	128	144	153	132	194	154	134	135	150	155
Polk	3415	Orchid Springs Development Corp	NA	78	77	78	80	72	69	69	62	67	.
Polk	4005	Crooked Lake Park Water Co	2,605	90	37	90	89	83	84	84	85	86	93
Polk	4607	City of Winter Haven	86,817	126	138	113	118	113	114	117	115	116	116

2020 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	2020 Service Area Population	Calendar Year									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Polk	4658	City of Lake Wales	22,591	122	119	115	115	113	113	114	116	116	119
Polk	4912	City of Lakeland	184,612	127	123	117	118	117	118	118	114	117	121
Polk	5251	Grenelefe Resort LLC	2,714	529	321	356	361	374	666	456	360	402	344
Polk	5750	City of Davenport	11,393	91	108	119	94	130	118	113	137	142	158
Polk	5868	Rainbow Resort	989	.	.	.	.	.	.	.	128	126	109
Polk	5870	City of Frostproof	3,688	110	79	95	110	113	119	124	125	98	91
Polk	5893	Town of Dundee	6,313	59	104	78	95	139	102	105	108	108	122
Polk	6124	City of Mulberry	4,803	94	87	91	98	79	83	80	84	82	84
Polk	6174	Saddlebag Lake Owners Assn	1,332	62	79	67	77	64	65	68	66	60	73
Polk	6505	Polk Co. / Northwest Regional Serv. Area	33,340	97	89	79	80	77	79	84	80	85	86
Polk	6506	Polk Co. / Southwest Regional Serv. Area	45,113	86	79	75	78	77	76	79	73	74	77
Polk	6507	Polk Co. / Central Regional Serv. Area	14,660	69	70	63	64	72	72	70	68	74	81
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,072	103	125	93	105	108	122	109	108	120	124
Polk	6509	Polk Co. / Northeast Regional Serv. Area	90,983	132	103	93	99	104	96	93	100	93	90
Polk	6624	City of Lake Alfred	8,597	144	175	129	124	131	130	127	116	113	103
Polk	6920	City of Eagle Lake	4,535	112	111	105	97	90	96	114	84	81	100
Polk	7119	City of Auburndale	31,923	171	187	158	159	165	165	173	150	181	169
Polk	7187	CHC VII Century Realty Fund / Lake Henry	1,482	228	255	273	143	137	161	140	175	175	144
Polk	7328	Carefree RV Country Club of Winter Haven	980	123	136	94	80	105	106	111	126	110	111
Polk	7878	Florida Gov Utility Authority	2,253	76	66	64	65	67	65	66	62	60	60
Polk	8054	Polk Co. / East Regional Serv. Area	6,651	86	77	73	66	67	66	68	70	70	74
Polk	8344	S V Utilities LTD	1,379	141	140	135	119	75	103	106	101	105	92
Polk	8468	Town of Polk City	7,616	57	56	61	54	56	55	51	50	46	50
Polk	8522	City of Haines City	39,694	114	122	137	144	138	140	147	129	130	127
Polk	8753	Plantation Landings Ltd	NA	91	108	78	80	67	.	.	82	.	.
Polk	8967	Sweetwater Community Inc	698	192	180	176	190	198	172	173	154	173	161
Polk	10141	Ovation Water Facility	653	.	.	.	.	.	.	.	.	.	31
Polk	12800	Polk County Utilities Jorden's Grove	1,152	.	.	.	.	.	.	134	303	238	109
Polk	13043	Cypress Lakes Utilities, Inc	3,005	43	51	80	82	62	62	64	59	75	80
Sarasota	2923	City of Northport	56,769	69	759	68	62	61	60	64	58	59	58

2020 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	2020 Service Area Population	Calendar Year									
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020
Sarasota	4318	City of Sarasota / Verna Wellfield	85,512	79	93	78	82	79	78	78	78	74	75
Sarasota	4866	Englewood Water District	38,271	77	66	65	72	61	66	71	75	76	79
Sarasota	5393	City of Venice	37,172	66	55	55	62	78	63	64	59	65	66
Sarasota	5807	Camelot Lakes Communities MHP	1,829	133	132	139	162	167	187	161	177	196	196
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	29	82	74	83	.	61	66	41	98	78
Sarasota	8836	Sarasota Co. / Univ. Parkway	244,663	79	80	75	76	79	81	81	81	80	81
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,520	65	63	64	64	58	64	68	64	66	62
Sumter	2622	Continental Country Club	NA	257	254	93	193	200	.	.	.	.	.
Sumter	6519	City of Bushnell	3,892	138	152	146	142	145	164	125	125	121	112
Sumter	7185	City of Webster	823	84	89	89	143	56	62	72	88	99	100
Sumter	7799	Cedar Acres, Inc	NA	8	.	.	.	.	.	.	.	.	.
Sumter	8135	City of Wildwood	17,867	134	137	133	106	112	104	104	98	118	132
Sumter	8193	City of Center Hill	1,173	.	45	52	59	73	64	71	56	56	59
Sumter	12584	Orange Blossom Utilities	204	.	.	.	.	.	.	.	.	.	185
Sumter	13005	The Villages of Marion & Sumter	91,920	184	278	281	247	264	298	247	94	227	239
Sumter	20597	City of Wildwood - Continental Country Club	1,595	.	.	.	.	.	57	75	95	81	92
Sumter	20721	South Sumter Utility Company	8,064	.	.	.	.	.	.	.	.	101	67

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for specific year. This may occur if permit was issued less than ten years ago, or the permit no longer exists, or the PSAR was no longer required. Acronym "NA" (Not Applicable) is shown for Service Area Population where the value was not calculated because the permit was not active in 2020.

2020 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	2020 Service Area Population	Calendar Year										Five Year Ave.
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Charlotte	718	Gasparilla Island Water Association	6,150	150	163	160	158	159	162	160	167	146	132	153
Charlotte	871	City of Punta Gorda	39,875	115	121	114	120	126	128	134	132	127	133	131
Charlotte	1512	Charlotte Harbor Water Association	4,564	80	71	79	94	92	106	82	76	74	90	86
Charlotte	3522	Charlotte County Burnt Store	6,941	65	57	60	58	64	59	63	61	60	67	62
Charlotte	7104	Charlotte County	137,800	75	77	80	81	79	79	81	74	73	74	76
Charlotte	7768	Island Harbor / Knight Island	NA	154	93	100	123	.	.	.	.	.	.	NA
Citrus	207	City of Crystal River	5,684	127	135	120	137	137	148	127	80	124	121	120
Citrus	419	City of Inverness	9,185	119	105	118	108	109	104	106	109	95	121	107
Citrus	1118	Floral City Water Association	5,190	55	62	62	56	58	66	64	64	69	62	65
Citrus	2842	Citrus County WRD	19,806	154	136	130	124	133	142	144	131	131	130	135
Citrus	4153	Rolling Oaks Utilities, Inc.	11,548	153	136	136	122	119	134	132	132	137	134	134
Citrus	4406	Homosassa Special Water District	5,802	145	131	131	120	127	130	133	133	140	137	135
Citrus	6691	Gulf Highway Land Corporation	585	184	116	120	102	106	112	110	93	96	111	104
Citrus	7121	Citrus Co.& WRWSA / Meadowcrest	26,241	157	142	138	136	145	162	155	149	147	151	153
Citrus	7879	Fla Gov't Utility / Oak Forest	NA	86	.	.	.	.	.	.	.	.	.	NA
Citrus	9097	Tarawood Utilities	158	.	.	.	.	.	.	.	.	.	61	61
Citrus	9791	Citrus County WRD / Sugarmill Woods	12,999	202	192	197	186	192	212	199	166	158	167	180
Citrus	11839	Walden Woods Ltd	1,021	157	117	161	141	134	144	137	141	152	171	149
Citrus	20230	Ozello Water Association Inc	4,754	117	93	84	82	81	79	82	68	80	94	81
DeSoto	4725	City of Arcadia	11,868	96	70	70	82	82	84	85	82	97	70	84
DeSoto	20457	DeSoto County Utilities	5,951	.	.	.	74	94	125	148	82	74	80	102
Hardee	30	City of Bowling Green	4,658	52	76	95	48	45	41	41	54	45	43	45
Hardee	4461	City of Wauchula	6,490	111	98	97	101	98	101	106	101	99	96	101
Hardee	7658	Town of Zolfo Springs	2,499	59	63	51	51	50	59	66	65	52	54	59
Hardee	13026	Hardee County BOCC	2,913	77	39	51	41	41	44	47	44	45	45	45
Hernando	2179	Hernando Co. Utilities Dept / Dogwood	NA	141	130	104	98	.	.	.	.	.	.	NA
Hernando	2983	Hernando Co Utilities Dept / West	NA	145	133	125	122	.	.	.	.	.	.	NA
Hernando	5789	Hernando Co Utilities Dept (Consolidated)	149,003	127	111	96	89	119	127	126	123	126	129	126
Hernando	7627	City of Brooksville	18,308	58	43	39	41	51	82	81	76	75	70	77

2020 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	2020 Service Area Population	Calendar Year										Five Year Ave.
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Hernando	12011	Hernando Co Utilities Dept	NA	152	143	116	153	.	.	.	.	.	.	NA
Highlands	4167	Aqua Utilities, Lake Josephine	1,382	90	131	100	106	121	115	84	95	81	82	91
Highlands	4492	City of Sebring	33,923	99	100	96	97	92	99	112	110	112	115	110
Highlands	4980	Lake Placid Holding Company	4,537	66	57	62	67	68	65	73	63	66	71	68
Highlands	5270	Town of Lake Placid	7,395	140	96	97	82	83	82	84	81	90	92	86
Highlands	6029	City of Avon Park	22,645	89	92	106	80	80	83	84	83	94	91	87
Highlands	6326	Town of Lake Placid	NA	69	62	64	.	.	.	.	.	.	.	NA
Highlands	7139	Buttonwood Bay Utilities	1,631	108	110	91	92	87	85	109	104	135	117	110
Highlands	7704	Country Club Utilities, Inc.	NA	285	262	228	248	200	.	.	.	.	.	NA
Highlands	9490	LP Utilities Inc	NA	68	98	83	70	68	56	.	.	.	.	56
Highlands	11609	Town of Lake Placid	NA	52	57	71	.	.	.	.	.	.	.	NA
Highlands	13099	Sun N Lake of Sebring	7,724	79	81	83	86	85	83	83	81	85	88	84
Highlands	13367	Silver Lakes Utilities	NA	115	.	.	.	.	.	.	.	.	.	NA
Hillsborough	450	City of Temple Terrace	31,341	108	107	101	102	103	99	115	114	115	121	113
Hillsborough	1776	City of Plant City	41,747	83	85	88	91	112	101	106	103	116	114	108
Hillsborough	2062	City of Tampa	719,482	113	112	107	107	107	109	116	107	96	100	106
Hillsborough	2285	Davpam MHP	1,277	101	111	90	91	97	104	116	109	113	118	112
Hillsborough	2707	Pluris Eastlake LLC	NA	74	37	30	36	.	.	.	.	.	.	NA
Hillsborough	4757	Wilder Corporation / Hawaiian Isles	NA	15	.	.	.	.	.	.	.	.	.	NA
Hillsborough	6879	The Meadows at Countrywood MHC	2,416	101	109	99	101	89	98	111	105	80	75	94
Hillsborough	7002	Hometown America / Featherock MHP	NA	102	.	.	.	.	.	.	.	.	.	NA
Hillsborough	7637	Riverside Golf Course Com LLC	1,258	472	463	58	110	217	215	242	314	215	129	223
Hillsborough	7790	Paradise Village MHC	2,187	66	69	57	33	57	46	48	56	61	57	54
Hillsborough	10443	Windemere Utility Company	2,776	114	95	91	85	82	89	91	85	91	97	91
Hillsborough	12994	Pluris PCU INC	NA	76	17	69	59	.	.	.	.	.	.	NA
Hillsborough	20141	Hillsborough County NW	670,579	95	94	93	94	96	96	100	98	102	108	101
Levy	5640	City of Williston	3,319	137	149	134	134	137	146	134	189	141	137	149
Levy	7755	Town of Yankeetown	NA	59	78	63	64	80	85	.	.	.	.	85
Levy	8953	Town of Inglis	1,665	100	76	84	73	72	69	58	56	60	65	62

2020 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	2020 Service Area Population	Calendar Year										Five Year Ave.
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Manatee	5387	Manatee County / Lake Manatee	NA	73	.	.	.	.	.	.	.	.	.	NA
Manatee	6392	City of Bradenton	75,466	84	81	82	88	84	88	88	84	87	81	86
Manatee	10963	Town of Longboat Key	19,000	99	86	85	90	90	91	89	92	101	99	94
Manatee	12443	City of Palmetto	18,849	70	68	80	74	78	73	81	83	79	77	79
Manatee	13343, 7345	Manatee County Utilities	378,390	72	72	75	75	78	74	74	70	76	80	75
Marion	377	Marion Co Utilities, S Glen, Marion Oaks	NA	88	.	.	.	.	.	.	.	.	.	NA
Marion	1156	Bay Laurel CDD	14,910	265	186	175	173	205	220	234	220	227	209	222
Marion	2999	Marion Utilities Inc	1,128	88	85	83	81	90	94	91	86	79	88	88
Marion	4257	Rainbow Springs Utilities LC	NA	129	.	.	.	.	.	.	.	.	.	NA
Marion	5643	Utilities, Inc. of Florida / Golden Hills	1,000	172	158	144	136	137	160	153	136	148	145	148
Marion	6151	Marion County Utilities	40,831	151	134	137	116	127	139	137	130	127	130	133
Marion	6792	Sun Communities	NA	150	130	150	124	132	140	160	128	.	.	143
Marion	7849	Marion Utilities Inc	1,087	125	133	106	95	108	123	117	109	111	118	116
Marion	8005	Century Fairfield Village LTD	NA	134	101	119	117	118	118	141	118	.	.	126
Marion	8020	Marion Landings HOA	1,127	157	145	136	116	127	137	131	113	114	122	123
Marion	8165	Marion Co Utilities /Quail Meadow	NA	84	.	.	.	.	.	.	.	.	.	NA
Marion	8339	City of Dunnellon	6,083	163	121	121	120	115	147	144	154	157	184	157
Marion	8481	Marion Utilities Inc / Spruce Creek	7,077	117	131	88	93	103	106	105	102	104	112	106
Marion	9360	Windstream Utilities Company	NA	244	238	238	230	.	.	.	.	.	.	NA
Marion	11752	Marion County Utilities / Golden Ocala	NA	479	.	.	.	.	.	.	.	.	.	NA
Pasco	279	Florida Gov Utility Authority	3,703	75	61	80	81	55	56	58	57	71	81	65
Pasco	540	Holiday Gardens Utilities Inc	NA	67	59	61	78	.	.	.	.	.	.	NA
Pasco	543	Crestridge Utility Corp	NA	58	52	44	51	.	.	.	.	.	.	NA
Pasco	590	Florida Gov Utility Authority	8,366	117	104	110	101	99	104	116	109	100	999	286
Pasco	964	C S Water Company Inc	NA	87	87	72	72	79	84	83	85	84	.	84
Pasco	1631	City of Dade City	12,814	116	106	106	97	65	93	110	105	107	111	105
Pasco	2043	Orangewood Lakes Mobile Home	NA	67	63	66	72	79	74	.	54	.	.	64
Pasco	2978	Florida Gov Utility Authority	5,444	108	110	116	101	95	105	122	114	123	127	118
Pasco	3182	Florida Gov Utility Authority	31,042	95	98	79	83	80	84	85	79	79	82	82

2020 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	2020 Service Area Population	Calendar Year										Five Year Ave.
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Pasco	3590	Utilities Inc of Florida / Buena Vista MHP	NA	39	64	53	52	57	58	59	56	55	68	59
Pasco	3668	Utilities Inc of Florida / Summertree	NA	53	64	99	109	62	49	.	.	.	.	49
Pasco	3677	Florida Gov Utility Authority	NA	55	53	54	47	59	55	54	52	.	.	54
Pasco	3692	City of Port Richey	7,732	53	46	56	45	43	49	87	92	87	91	81
Pasco	4550	City of San Antonio	2,455	107	87	90	90	92	61	60	58	55	58	59
Pasco	4668	Utilities Inc. of FL / Orangewood	NA	49	58	.	.	.	.	.	.	.	.	NA
Pasco	4669	Hudson Water Works Inc	7,277	90	83	87	82	90	79	97	87	89	89	88
Pasco	4734	City of New Port Richey	32,783	89	86	82	90	95	96	97	93	95	102	97
Pasco	6040	City of Zephyrhills	28,584	104	109	109	88	74	84	88	84	82	82	84
Pasco	7299	L W V Utilities Inc	NA	85	64	.	.	.	.	.	.	.	.	NA
Pasco	7999	Florida Gov Utility Authority	2,026	64	62	60	56	60	55	60	64	68	67	63
Pasco	8417	Florida Gov Utility Authority	7,966	49	53	57	52	54	54	54	50	49	49	51
Pasco	8491	Parrish Properties V LLC	NA	23	.	.	.	.	.	.	.	.	.	NA
Pasco	11863	Pasco County Utilities	310,502	124	117	120	111	90	107	108	99	104	109	105
Pinellas	742	City of Tarpon Springs	28,834	72	71	96	93	94	90	86	91	86	91	89
Pinellas	2980	City of Dunedin	46,161	83	99	78	79	77	80	79	76	75	81	78
Pinellas	2981	City of Clearwater	147,007	74	64	69	72	76	75	75	76	73	72	74
Pinellas	7692	City of Belleair	5,979	82	132	98	131	97	108	106	113	107	106	108
Pinellas	10350	Utilities Inc of FL / Lake Tarpon	NA	61	54	54	51	32	.	.	.	.	.	NA
Pinellas	10795	City of Gulfport	15,225	68	67	67	65	79	67	67	63	61	59	63
Pinellas	11218	City of Oldsmar	17,438	89	88	72	74	59	74	81	80	83	80	80
Pinellas	11245	City of Safety Harbor	15,126	82	80	91	85	93	97	98	95	86	71	89
Pinellas	12351	City of Pinellas Park	64,740	57	56	50	50	55	50	51	51	68	75	59
Pinellas	20142	Pinellas County	509,137	81	83	77	70	82	76	77	73	74	76	75
Pinellas	20143	City of St. Petersburg	353,553	96	80	79	77	79	78	80	78	74	72	76
Polk	341	City of Bartow	26,298	70	81	101	56	51	54	61	60	66	22	53
Polk	645	City of Fort Meade	5,331	69	70	49	87	89	56	61	47	7	12	37
Polk	1616	Lake Region Mobile Home Owners	NA	87	85	82	70	74	.	.	.	.	.	NA
Polk	1625	Four Lakes Golf Club Ltd	1,448	159	181	157	156	138	164	180	141	180	140	161
Polk	2332	Town of Lake Hamilton	1,893	128	144	124	132	108	138	121	124	140	146	134

2020 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	2020 Service Area Population	Calendar Year										Five Year Ave.
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	
Polk	3415	Orchid Springs Development Corp	NA	78	77	78	80	72	69	69	62	67	.	67
Polk	4005	Crooked Lake Park Water Co	2,605	90	37	90	89	83	84	84	85	86	93	86
Polk	4607	City of Winter Haven	86,817	126	138	113	118	113	114	117	115	116	116	116
Polk	4658	City of Lake Wales	22,591	122	119	115	115	113	113	114	116	116	119	116
Polk	4912	City of Lakeland	184,612	116	110	105	105	94	90	91	82	92	76	86
Polk	5251	Grenelefe Resort LLC	2,714	313	171	229	196	239	516	306	210	305	247	317
Polk	5750	City of Davenport	11,393	91	108	119	94	103	118	113	137	142	158	134
Polk	5868	Rainbow Resort	989	.	.	.	.	.	.	.	128	126	109	121
Polk	5870	City of Frostproof	3,688	92	79	88	110	107	108	106	110	83	74	96
Polk	5893	Town of Dundee	6,313	107	127	78	95	139	102	105	108	108	122	109
Polk	6124	City of Mulberry	4,803	94	87	91	97	79	83	80	84	82	84	83
Polk	6174	Saddlebag Lake Owners Assn	1,332	135	69	67	77	64	65	68	66	60	73	66
Polk	6505	Polk Co. / Northwest Regional Serv. Area	33,340	97	89	79	80	77	79	84	80	85	86	83
Polk	6506	Polk Co. / Southwest Regional Serv. Area	45,113	86	79	75	78	77	76	79	73	74	77	76
Polk	6507	Polk Co. / Central Regional Serv. Area	14,660	55	70	63	64	72	72	70	68	74	81	73
Polk	6508	Polk Co. / Southeast Regional Serv. Area	5,072	72	75	93	105	108	122	109	108	120	124	116
Polk	6509	Polk Co. / Northeast Regional Serv. Area	90,983	130	103	93	99	104	96	93	100	93	90	94
Polk	6624	City of Lake Alfred	8,597	140	148	129	124	131	130	127	116	113	103	118
Polk	6920	City of Eagle Lake	4,535	112	111	105	97	90	96	114	84	81	100	95
Polk	7119	City of Auburndale	31,923	123	138	111	111	112	116	120	98	143	127	121
Polk	7187	CHC VII Century Realty Fund / Lake Henry	1,482	144	164	157	98	82	79	105	108	102	95	98
Polk	7328	Carefree RV Country Club of Winter Haven	980	62	79	60	80	71	61	111	81	67	67	78
Polk	7878	Florida Gov Utility Authority	2,253	70	66	64	65	67	65	66	62	60	60	63
Polk	8054	Polk Co. / East Regional Serv. Area	6,651	86	77	73	66	67	66	68	70	70	74	70
Polk	8344	S V Utilities LTD	1,379	141	140	135	119	75	103	106	101	105	92	101
Polk	8468	Town of Polk City	7,616	57	56	61	57	56	55	51	50	46	50	50
Polk	8522	City of Haines City	39,694	94	106	125	130	125	129	126	115	115	114	120
Polk	8753	Plantation Landings Ltd	NA	91	108	78	80	67	.	.	.	.	.	NA
Polk	8967	Sweetwater Community Inc	698	172	149	111	158	151	130	130	110	118	106	119

2020 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	2020 Service Area Population	Calendar Year										Five Year Ave.	
				2011	2012	2013	2014	2015	2016	2017	2018	2019	2020		
Polk	10141	Ovation Water Facility	653	.	.	.	.	.	.	.	.	.	.	31	31
Polk	12800	Polk County Utilities Jordan's Grove	1,152	.	.	.	.	.	.	134	30	238	109		128
Polk	13043	Cypress Lakes Utilities, Inc	3,005	43	51	80	82	62	62	64	59	75	52		62
Sarasota	2923	City of Northport	56,769	69	59	68	62	61	60	64	58	59	58		60
Sarasota	4318	City of Sarasota / Verna Wellfield	85,512	72	81	78	82	79	78	78	78	74	75		77
Sarasota	4866	Englewood Water District	38,271	63	52	65	59	45	57	63	75	76	79		70
Sarasota	5393	City of Venice	37,172	52	55	55	62	78	63	64	59	65	66		63
Sarasota	5807	Camelot Lakes Communities MHP	1,829	140	132	139	74	67	187	73	88	81	86		103
Sarasota	7448	Royalty Resorts / Sun 'N Fun RV	1,339	29	82	74	83	.	61	66	41	98	78		69
Sarasota	8836	Sarasota Co. / Univ. Parkway	244,663	79	80	75	76	79	81	81	81	80	81		81
Sumter	1368	Lake Panasoffkee Water Assn Inc	4,520	65	63	64	64	58	64	68	64	66	62		65
Sumter	2622	Continental Country Club	NA	127	121	93	84	86	.	.	.	.	.		NA
Sumter	6519	City of Bushnell	3,892	81	118	146	142	145	88	87	125	121	112		107
Sumter	7185	City of Webster	823	84	89	89	143	56	62	72	88	99	100		84
Sumter	7799	Cedar Acres, Inc	NA	8	.	.	.	.	.	.	.	.	.		NA
Sumter	8135	City of Wildwood	17,867	131	130	133	67	72	62	98	98	110	132		100
Sumter	8193	City of Center Hill	1,173	.	45	52	59	73	64	71	56	56	59		61
Sumter	12584	Orange Blossom Utilities	204	.	.	.	.	.	.	.	.	.	185		185
Sumter	13005	The Villages of Marion & Sumter	91,920	167	148	154	145	145	169	135	94	92	107		119
Sumter	20597	City of Wildwood - Continental Country Club	1,595	.	.	.	.	.	57	75	75	81	92		71
Sumter	20721	South Sumter Utility Company	8,064	.	.	.	.	.	.	.	.	101	67		84

Source: Prior EWU Reports and Table A-1.

Notes: A dot (".") represents a lack of data for specific year. This may occur if permit was issued less than ten years ago, or the permit no longer exists, or the PSAR was no longer required. Acronym "NA" (Not Applicable) is shown for Service Area Population where the value was not calculated because permit was not active in 2020.

2020 ESTIMATED WATER USE REPORT

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2020 ESTIMATED WATER USE REPORT

APPENDIX E

UNIFORM PER CAPITA REPORT

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

2020 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2020

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.	1.392	Y	GW/RO	0.000	0.000	0.332	1.060	2,003	2.30	4,607	230	0.865	188
871	City of Punta Gorda	6.376	Y	SW	0.556	0.825	0.804	5.303	19,649	1.98	38,955	136	3.797	97
1512	Charlotte Harbor Water Association	0.524	Y	GW/RO	0.000	0.000	0.114	0.410	2,219	2.07	4,593	89	0.268	58
3522	Charlotte County Utilities	0.589	Y	GW/RO	0.000	0.000	0.124	0.465	3,349	2.18	7,309	64	0.348	48
7104	Charlotte Co BOCC	0.000	Y	GW/SW	10.660	0.410	0.103	10.148	64,435	2.20	141,961	71	7.639	54
Charlotte County Totals		8.880			11.216	1.235	1.476	17.386	91,655	2.15	197,424	88	12.917	65
CITRUS COUNTY														
207	City of Crystal River	0.721	Y	GW	0.001	0.000	0.032	0.689	2,298	2.08	4,786	144	0.271	57
419	City of Inverness	1.119	Y	GW	0.000	0.000	0.004	1.115	4,175	2.17	9,060	123	0.575	63
1118	Floral City Water Assoc Inc	0.332	Y	GW	0.000	0.000	0.007	0.324	2,485	2.17	5,402	60	0.266	49
2842	Citrus County Water Resources	2.588	Y	GW	0.000	0.000	0.005	2.583	8,346	2.43	20,243	128	2.006	99
4153	Rolling Oaks Utilities Inc	1.587	Y	GW	0.000	0.000	0.036	1.551	5,737	2.04	11,722	132	1.056	90
4406	Homosassa Special Water Dist	0.853	Y	GW	0.000	0.045	0.011	0.797	2,513	2.08	5,235	152	0.379	72
6691	Gulf Highway Land Corporation	0.065	Y	GW	0.000	0.000	0.000	0.065	281	2.14	602	108	0.060	100
7121	Citrus County & WRWSA	4.716	Y	GW	0.000	0.466	0.007	4.243	11,816	2.14	25,246	168	2.985	118
9097	Tarawood Utilities	0.011	Y	GW	0.000	0.000	0.001	0.010	72	2.36	170	57	0.005	27
9791	Citrus County Water Resources	2.176	Y	GW	0.000	0.000	0.005	2.171	6,381	2.08	13,278	164	1.312	99
11839	GCP Walden Woods One LLC	0.175	Y	GW	0.000	0.000	0.000	0.175	522	1.99	1,041	168	0.108	104
20230	Ozello Water Association Inc	0.000	Y	GW	0.451	0.000	0.002	0.449	2,040	1.99	4,050	111	0.239	59
Citrus County Totals		14.343			0.452	0.511	0.111	14.172	46,666	2.14	100,835	141	9.261	92
DESOTO COUNTY														
4725	City of Arcadia	0.773	Y	GW	0.078	0.000	0.023	0.828	4,227	2.83	11,972	69	0.505	42
20457	DeSoto County Utilities	0.000	Y	SW/GW	0.591	0.107	0.009	0.475	2,833	2.33	6,588	72	0.167	25
DeSoto County Totals		0.773			0.669	0.107	0.032	1.303	7,060	2.58	18,560	70	0.672	36
HARDEE COUNTY														
30	City of Bowling Green	0.209	Y	GW	0.000	0.000	0.011	0.199	1,399	3.57	4,996	40	0.162	32

2020 ESTIMATED WATER USE REPORT

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4461	City of Wauchula	0.637	Y	GW	0.000	0.000	0.012	0.625	2,087	3.10	6,476	96	0.331	51
7658	Town of Zolfo Springs	0.140	Y	GW	0.000	0.000	0.004	0.136	822	3.51	2,885	47	0.089	31
13026	Hardee County BOCC*	0.137	Y	GW	0.000	0.000	0.006	0.131	906	3.23	2,930	45	0.091	31
Hardee County Totals		1.124			0.000	0.000	0.033	1.090	5,214	3.35	17,287	63	0.673	39
HERNANDO COUNTY														
5789	Hernando Co Utilities	19.452	Y	GW	0.000	0.000	0.263	19.189	64,197	2.37	151,948	126	14.429	95
7627	City of Brooksville	1.288	Y	GW	0.000	0.000	0.003	1.285	7,726	2.29	17,679	73	0.471	27
Hernando County Totals		20.741			0.000	0.000	0.267	20.474	71,923	2.33	169,627	121	14.900	88
HIGHLANDS COUNTY														
4167	Aqua Utilities Florida Inc	0.115	Y	GW	0.000	0.000	0.002	0.113	661	2.17	1,434	79	0.068	48
4492	City of Sebring	3.953	Y	GW	0.000	0.000	0.040	3.914	15,732	2.17	34,101	115	2.601	76
4980	Lake Placid Holding Co	0.327	Y	GW	0.000	0.000	0.003	0.324	2,047	2.35	4,801	67	0.240	50
5270	Town of Lake Placid	0.682	Y	GW	0.000	0.000	0.005	0.678	3,203	2.28	7,297	93	0.370	51
6029	City of Avon Park	2.120	Y	GW	0.000	0.000	0.069	2.051	9,152	2.50	22,880	90	1.406	61
7139	Buttonwood Bay Utilities	0.193	Y	GW	0.000	0.000	0.002	0.191	940	1.74	1,633	117	0.121	74
13099	Sun N Lake of Sebring District	0.716	Y	GW	0.000	0.000	0.037	0.679	3,654	2.19	8,009	85	0.394	49
Highlands County Totals		8.107			0.000	0.000	0.158	7.949	35,389	2.20	80,155	99	5.201	65
HILLSBOROUGH COUNTY														
450	City of Temple Terrace	4.199	Y	GW	0.000	0.000	0.400	3.799	12,508	2.37	29,642	128	2.434	82
1776	City of Plant City	6.154	Y	GW	0.060	0.075	0.068	6.071	14,770	2.86	42,180	144	2.976	71
2062	City of Tampa Water Dept	79.357	Y	SW/GW	1.621	1.647	4.798	74.534	258,393	2.41	622,973	120	43.510	70
2285	Davpam Mobile Home	0.151	Y	GW	0.000	0.000	0.000	0.151	419	3.09	1,294	117	0.151	117
6879	The Meadows at Countrywood	0.182	Y	GW	0.000	0.000	0.000	0.182	1,391	1.70	2,369	77	0.180	76
7637	Riverside Golf Course	0.544	Y	SW/GW	0.000	0.000	0.005	0.538	626	2.07	1,298	415	0.327	252
7790	Paradise Village MHP	0.127	Y	GW	0.000	0.000	0.001	0.125	573	2.71	1,555	81	0.116	75
10443	Windemere Utility Company	0.272	Y	GW	0.000	0.000	0.002	0.269	1,022	2.70	2,757	98	0.269	98
20141	Hillsborough County*	0.000	Y	SW/GW	73.425	0.000	0.734	72.691	257,278	2.62	674,176	108	58.628	87

2020 ESTIMATED WATER USE REPORT

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Hillsborough County Totals		90.985			75.107	1.722	6.009	158.362	546,980	2.50	1,378,245	115	108.592	79
There were no Public Supply Water Use Permits in the SWFWMD portion of Lake County														
LEVY COUNTY														
5640	City of Williston	0.543	Y	GW	0.000	0.000	0.089	0.454	1,271	2.57	3,263	139	0.210	65
8953	Town of Inglis	0.166	Y	GW	0.000	0.000	0.058	0.108	781	2.13	1,663	65	0.078	47
Levy County Totals		0.709			0.000	0.000	0.147	0.562	2,052	2.35	4,926	114	0.289	59
MANATEE COUNTY														
6392	City of Bradenton	6.198	Y	SW	0.215	0.011	0.276	6.125	32,503	2.23	72,432	85	4.240	59
10963	Town of Longboat Key*	0.000	Y	SW	1.924	0.000	0.049	1.875	9,542	1.77	16,926	111	1.555	92
12443	City of Palmetto*	0.000	Y	SW/GW	1.482	0.009	0.015	1.458	7,706	2.56	19,693	74	0.865	44
13343, 7345	Manatee County Utilities	43.976	Y	SW/GW	1.655	7.778	2.060	35.794	161,701	2.33	376,823	95	24.567	65
Manatee County Totals		50.174			5.276	7.798	2.400	45.252	211,452	2.22	485,874	93	31.228	64
MARION COUNTY														
1156	Bay Laurel CDD	3.581	Y	GW	0.000	0.000	0.043	3.538	8,514	1.74	14,843	238	3.055	206
2999	Marion Utilities Inc	0.100	Y	GW	0.000	0.000	0.000	0.099	497	2.28	1,134	88	0.083	73
5643	Utilities Inc of Florida	0.146	Y	GW	0.000	0.000	0.001	0.145	497	2.04	1,014	143	0.121	120
6151	Marion County Utilities	5.319	Y	GW	0.000	0.000	0.000	5.319	17,926	2.26	40,475	131	3.969	98
7849	Marion Utilities Inc	0.128	Y	GW	0.000	0.000	0.000	0.128	480	2.27	1,087	118	0.117	108
8020	Marion Landings	0.138	Y	GW	0.000	0.000	0.000	0.138	598	1.88	1,127	122	0.106	94
8339	City of Dunnellon	1.116	Y	GW	0.000	0.000	0.000	1.116	2,817	2.05	5,780	193	0.348	60
8481	Marion Utilities Inc, Spruce Creek	0.794	Y	GW	0.000	0.000	0.001	0.793	2,764	2.56	7,077	112	0.715	101
Marion County Totals		11.322			0.000	0.000	0.045	11.277	34,093	2.14	72,538	155	8.514	117
PASCO COUNTY														
279	Florida Gov Utility Authority	0.303	Y	GW	0.000	0.000	0.002	0.300	1,604	2.39	3,832	78	0.204	53
590	Mad Hatter Utility Inc	0.834	Y	GW	0.000	0.000	0.003	0.831	3,171	2.65	8,410	99	0.604	72
1631	City of Dade City	1.439	Y	GW	0.000	0.000	0.014	1.425	4,776	2.66	12,707	112	0.954	75

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2978	Florida Gov Utility Authority	0.694	Y	GW	0.013	0.000	0.013	0.694	2,792	1.93	5,397	129	0.496	92
3182	Florida Gov Utility Authority	2.217	Y	GW	0.390	0.000	0.075	2.533	13,262	2.41	31,934	79	2.003	63
3590	Utilities Inc of Florida	0.255	Y	GW	0.000	0.000	0.000	0.255	1,850	2.04	3,767	68	0.209	56
3692	City of Port Richey	0.709	Y	GW	0.028	0.000	0.032	0.705	3,144	2.13	6,706	105	0.315	47
4550	City of San Antonio	0.142	Y	GW	0.000	0.000	0.000	0.141	654	2.58	1,686	84	0.109	65
4669	Hudson Water Works Inc	0.655	Y	GW	0.000	0.000	0.007	0.649	3,469	2.06	7,147	91	0.425	59
4734	City of New Port Richey	0.437	Y	GW	5.003	2.019	0.085	3.336	14,756	2.13	31,471	106	1.723	55
6040	City of Zephyrhills	2.383	Y	GW	0.000	0.019	0.034	2.330	13,768	2.21	30,406	77	1.374	45
7999	Florida Gov Utility Authority	0.137	Y	GW	0.000	0.000	0.001	0.135	734	2.76	2,026	67	0.122	60
8417	Florida Gov Utility Authority	0.114	Y	GW	0.279	0.000	0.002	0.391	3,373	2.30	7,756	50	0.334	43
11863	Pasco Co Utilities	1.998	Y	GW	33.153	0.993	0.177	33.981	126,749	2.47	313,439	108	24.626	79
Pasco County Totals		12.316			38.866	3.031	0.446	47.706	194,102	2.34	466,686	102	33.497	72
PINELLAS COUNTY														
742	City of Tarpon Springs	3.690	Y	GW/RO	0.004	0.047	1.010	2.638	12,393	2.25	27,940	94	1.782	64
2980	City of Dunedin	4.810	Y	GW/RO	0.000	0.000	1.077	3.733	22,843	2.02	46,153	81	2.520	55
2981	City of Clearwater	7.374	Y	GW/RO	4.334	0.000	1.067	10.640	61,106	2.15	131,272	81	6.988	53
7692	Town of Belleair	0.853	Y	GW	0.002	0.000	0.040	0.816	2,693	2.15	5,784	141	0.722	125
10795	City of Gulfport*	0.000	Y	GW	0.898	0.000	0.000	0.898	7,881	1.98	15,568	58	0.744	48
11218	City of Oldsmar*	1.843	Y	GW/RO	0.001	0.000	0.449	1.396	6,452	2.49	16,091	87	0.929	58
11245	City of Safety Harbor*	0.000	Y	GW	1.080	0.000	0.000	1.080	6,504	2.33	15,180	71	1.032	68
12351	City of Pinellas Park*	0.000	Y	GW	4.859	0.000	0.000	4.859	26,208	2.29	60,104	81	3.340	56
20142	Pinellas County*	0.000	Y	GW	49.361	10.193	0.427	38.741	228,919	2.13	488,282	79	26.519	54
20143	City of St Petersburg*	0.000	Y	GW	26.502	0.898	0.270	25.334	158,243	2.16	342,109	74	16.667	49
Pinellas County Totals		18.570			87.042	11.138	4.341	90.134	533,242	2.20	1,148,483	78	61.242	53
POLK COUNTY														
341	City of Bartow	3.131	Y	GW	0.000	0.000	0.284	2.847	9,118	2.72	24,832	115	1.701	69
645	City of Fort Meade	0.563	Y	GW	0.000	0.000	0.000	0.563	1,931	2.88	5,563	101	0.403	72

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1625	Four Lakes Golf Club Ltd	0.368	Y	GW	0.000	0.000	0.004	0.364	814	1.81	1,477	246	0.182	124
2332	Town of Lake Hamilton	0.297	Y	GW	0.000	0.000	0.003	0.294	778	2.50	1,946	151	0.155	79
4005	Crooked Lake Park Water Company	0.261	Y	GW	0.000	0.000	0.018	0.243	1,018	2.62	2,666	91	0.166	62
4607	City of Winter Haven	10.139	Y	GW	0.000	0.000	0.100	10.039	35,605	2.42	86,131	117	5.791	67
4658	City of Lake Wales	2.711	Y	GW	0.000	0.000	0.027	2.684	9,371	2.46	23,013	117	1.792	78
4912	City of Lakeland	22.635	Y	GW	0.000	0.334	0.038	22.263	70,999	2.48	176,207	126	14.393	82
5251	Grenelefe Resort LLC	0.934	Y	GW	0.000	0.000	0.002	0.933	1,229	2.31	2,835	329	0.368	130
5750	City of Davenport	1.800	Y	GW	0.000	0.000	0.000	1.800	4,204	2.91	12,228	147	1.337	109
5868	Rainbow Resort	0.108	Y	GW	0.000	0.000	0.001	0.107	499	2.09	1,043	103	0.102	98
5870	City of Frostproof	0.339	Y	GW	0.000	0.000	0.003	0.335	1,634	2.44	3,994	84	0.187	47
5893	Town of Dundee	0.781	Y	GW	0.000	0.000	0.008	0.773	2,299	2.71	6,221	124	0.517	83
6124	City of Mulberry	0.410	Y	GW	0.000	0.000	0.006	0.403	1,859	2.53	4,696	86	0.226	48
6174	Saddlebag Lake Owners Assoc	0.097	Y	GW	0.000	0.000	0.000	0.097	795	1.71	1,362	72	0.090	66
6505	Polk County Utilities	2.745	Y	GW	0.157	0.000	0.029	2.872	12,686	2.72	34,514	83	2.516	73
6506	Polk County Utilities	3.544	Y	GW	0.049	0.049	0.049	3.495	16,220	2.86	46,406	75	3.235	70
6507	Polk County Utilities	1.201	Y	GW	0.000	0.000	0.016	1.186	5,331	2.79	14,877	80	0.974	65
6508	Polk County Utilities	0.640	Y	GW	0.000	0.000	0.010	0.631	1,619	2.74	4,433	142	0.247	56
6509	Polk County Utilities	6.518	Y	GW	1.829	0.146	0.020	8.182	29,694	2.64	78,269	105	6.998	89
6624	City of Lake Alfred	0.883	Y	GW	0.000	0.000	0.000	0.883	3,173	2.44	7,745	114	0.805	104
6920	City of Eagle Lake	0.469	Y	GW	0.000	0.000	0.018	0.451	1,574	3.12	4,907	92	0.304	62
7119	City of Auburndale	5.386	Y	GW	0.000	0.000	0.000	5.386	12,085	2.61	31,577	171	2.890	92
7187	CHC VII Ltd Century Realty Fund	0.215	Y	GW	0.000	0.000	0.002	0.213	869	1.73	1,503	142	0.096	64
7328	Carefree RV Country Club	0.109	Y	GW	0.000	0.000	0.000	0.109	500	1.99	994	109	0.066	66
7878	Florida Gov Utility Authority	0.137	Y	GW	0.000	0.000	0.001	0.136	847	2.77	2,346	58	0.118	50
8054	Polk County Utilities	0.500	Y	GW	0.000	0.000	0.008	0.491	2,541	2.54	6,458	76	0.340	53
8344	S V Utilities Ltd	0.128	Y	GW	0.000	0.000	0.001	0.127	705	1.99	1,405	90	0.105	75
8468	City of Polk City	0.409	Y	GW	0.000	0.000	0.029	0.380	2,522	2.67	6,743	56	0.335	50

2020 ESTIMATED WATER USE REPORT

Table E-1: Uniform Per Capita Report prepared for the Florida Department of Environmental Protection, 2020

WUP No.	Permittee Name	Average Annual Pumpage (mgd)	P S A R	(1) Source	(2) Imports (mgd)	(3) Exports (mgd)	(4) Treatment Loss (mgd)	(5) Gross Use (mgd)	(6) Housing Units Served	(7) Avg. PPH	(8) Residential Population Served	(9) Gross Per Capita (gpcd)	(10) Residential Use (mgd)	(11) Residential Per Capita (mgd)
8522	City of Haines City	5.031	Y	GW	0.000	0.000	0.005	5.025	14,567	2.87	41,792	120	3.284	79
8967	Sweetwater Community Inc	0.112	Y	GW	0.000	0.000	0.000	0.112	416	1.70	706	159	0.050	71
10141	Polk Co Util Ovation Facility	0.000	Y	GW	0.020	0.000	0.000	0.020	0	2.81	0	NA	0.008	NA
12800	Polk Co BOCC Jorden's Grove	0.000	Y	GW	0.125	0.000	0.000	0.125	391	3.35	1,309	96	0.122	93
13043	Cypress Lakes Utilities Inc	0.242	Y	GW	0.000	0.000	0.002	0.240	1,604	1.89	3,037	79	0.175	58
Polk County Totals		72.844			2.182	0.529	0.686	73.811	249,497	2.49	643,235	115	50.081	78
SARASOTA COUNTY														
2923	City of North Port	1.869	Y	SW/GW/RO	1.866	0.158	0.311	3.266	24,114	2.43	58,712	56	2.277	39
4318	City of Sarasota Public Works	8.164	Y	GW/RO	0.000	0.000	1.708	6.456	33,066	2.08	68,869	94	3.912	57
4866	Englewood Water District	4.280	Y	GW/RO	0.000	0.130	1.121	3.028	19,953	1.91	38,033	80	2.046	54
5393	City of Venice	4.804	Y	GW/RO	0.000	0.000	2.351	2.453	19,671	1.76	34,696	71	1.544	45
5807	Camelot Communities MHP	0.359	Y	GW/RO	0.000	0.000	0.000	0.359	969	1.92	1,865	192	0.359	192
7448	SNF Property, LLC	0.115	Y	GW/RO	0.000	0.000	0.010	0.105	1,519	1.91	2,908	36	0.090	31
8836	Sarasota County BOCC	0.692	Y	GW/RO	19.944	0.857	0.073	19.705	119,241	2.10	250,255	79	14.609	58
Sarasota County Totals		20.283			21.810	1.146	5.575	35.372	218,533	2.02	455,337	78	24.836	55
SUMTER COUNTY														
1368	Lake Panasoffkee Water Assoc	0.282	Y	GW	0.000	0.000	0.000	0.282	2,144	2.26	4,844	58	0.231	48
6519	City of Bushnell	0.441	Y	GW	0.000	0.000	0.004	0.436	1,626	2.41	3,913	111	0.105	27
7185	City of Webster	0.084	Y	GW	0.000	0.000	0.001	0.083	326	2.62	853	97	0.037	43
8135	City of Wildwood	2.259	Y	GW	0.116	0.000	0.024	2.352	5,259	2.30	12,109	194	0.987	81
8193	City of Center Hill	0.070	Y	GW	0.000	0.000	0.001	0.070	376	3.12	1,173	59	0.053	45
12584	Orange Blossom Utilities	0.039	Y	GW	0.000	0.000	0.001	0.038	31	3.25	101	NA	0.014	NA
13005	The Villages of Marion & Sumter	22.210	Y	GW/SW	0.000	0.000	0.205	22.005	49,931	1.84	91,661	240	18.179	198
20597	Continental Country Club	0.147	Y	GW	0.000	0.000	0.000	0.147	932	1.74	1,621	91	0.090	55
20721	South Sumter Utility Co.	0.665	Y	GW	0.000	0.117	0.005	0.543	4,009	2.08	8,333	65	0.296	35
Sumter County Totals		26.196			0.116	0.117	0.242	25.954	64,634	2.40	124,608	208	19.992	160
DISTRICT TOTALS		357.366			242.737	27.332	21.968	550.802	2,312,492	2.36	5,363,819	103	381.894	71

2020 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 2020 (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 2020 (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.

2020 ESTIMATED WATER USE REPORT

APPENDIX F

**ESTIMATED WATER USE REPORT
HISTORY AND METHODOLOGY**

2020 ESTIMATED WATER USE REPORT

WUP METERING REQUIREMENT HISTORY

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

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

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

WATER USE PERMIT BUSINESS RULES AND CONSTRUCTION

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

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

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

2020 ESTIMATED WATER USE REPORT

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

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

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

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

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

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

ESTIMATED WATER USE REPORT METHODOLOGY

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

Data Capture

2020 ESTIMATED WATER USE REPORT

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

At a later date, a second “pumpage snapshot” acquires meter-based data for the active WUP withdrawals. It can take several weeks after year’s end for all pumpage to be reported and inputted to the WMIS database. Additionally, pumpage may be corrected in the following months as quality-control activities are performed. So, the pumpage snapshot is occasionally updated over the following months to acquire the latest pumpage data. The pumpage data used for the 2020 EWU Report was last queried on October 20th, 2021.

Data Filtering

Sets of SAS programs apply filters to the permitting codes to remove WUPs, withdrawal points, and use types that do not pertain to withdrawal directly from natural resources. Only groundwater and surface water withdrawal points are kept, and only existing and proposed withdrawal points are kept. Reclaimed water sources and repumped quantities from previously counted sources are removed. Withdrawal points with the following use type codes are excluded to avoid counting alternative water sources or double-counting recirculated water:

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

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

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

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

AR	Alternative source plus repump
AS	Aquifer Storage and Recovery

2020 ESTIMATED WATER USE REPORT

AW	Alternative water supply that is neither reclaimed water nor captured stormwater
CB	Dewatering quantities that are recycled on-site
CL	Closed loop heating or cooling
EF	Effluent line into property (typically reclaimed water imports)
F	Foundation test well (very short-term use)
FM	FARMS reservoir pumpage
MR	Mixed repump of surface water and alternative source
O	Observation well aquifer test
RS	Repump of groundwater plus stormwater
RU	Repump of reclaimed water
SR	Surface water plus repump of groundwater
ST	Stormwater received from another entity
T	Test well
TR	Tailwater recovery

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

Data Correction and Quality Control

The District's review of EWU data serves as an opportunity for staff to identify and correct permit coding errors and address questionable pumpage records. The EWU Report author communicates issues with WUP compliance staff, and parallel corrections may occur to both the WMIS database and the draft EWU datasets.

The EWU permit datasets are checked by running a series of SAS programs that look for incongruities to the business rules for WUPs. When errors are identified, they are fixed using SAS correction scripts to modify the EWU dataset and archive the changes made. The original permit snapshot data is archived on a District network drive for historic record. The SAS correction and check programs are rerun through multiple iterations until the check programs show zero errors. Found errors are communicated to regulatory staff where they are vetted before being corrected in the WMIS database. Most issues involve internal coding or small changes that seldom require the WUP to be revised.

On WUPs that have water repumped from irrigation ponds, the water use codes are sometimes assigned to repump withdrawal points instead of the wells/intakes from natural resources that augment the irrigation ponds. This is okay from a regulatory perspective, but it complicates the EWU query because repump withdrawal points are excluded. The author remedies this issue by using scripts to reassign proxy use codes and permitted quantities in the EWU database to the augmentation withdrawal points. Proxy use codes are also used for a few large WUPs that allow rotational use of permitted quantities among several withdrawal points.

The EWU author will search for and include any WUPs issued near the end of the year, which might not be fully entered into the WMIS database by staff before the snapshot. The author will also find withdrawal points that were transferred or consolidated into another WUP during the year. The old WUP's permit quantity is typically not counted, but any pumpage on the old WUP's transferred withdrawal points may be allocated to the new WUP's annual withdrawals.

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

2020 ESTIMATED WATER USE REPORT

searching for outlier quantities, such as monthly pumpage of a certain magnitude higher than the permitted quantity, or significantly different from other months when it's known the water demand is consistent. Unfortunately, pumpage errors with apparently reasonable values may go undetected. Unrealistic pumpage values are sent to regulatory staff for review and confirmation. Any changes to WMIS pumpage records require the permittee's written approval. If corrections are made in the WMIS database, they can be captured when the pumpage snapshot is rerun. If the approval is not acquired, or a correction can't otherwise be made before the final pumpage query, the EWU author may take liberty of inserting a more realistic value in the EWU pumpage dataset.

Data Compilation and Estimations

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

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

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

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

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

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

In a normal distribution, the 50th percentile (median) is equal to the average (mean) value. If the distribution is skewed, the median is not equal to the mean. The metered/permitted ratio distributions are typically skewed to the right (i.e. the mean average is greater than the median). At the low end of the distribution, pumpage data includes zeros for withdrawal points that are unused or unrecorded. At the high end, some ratios could be much greater than 1.0 due to over-pumpage or erroneous outliers. To negate the effects that bad end-values can have on the mean average, percentiles are used to select the most plausible ratios for estimation. A range of percentiles from the 50th through the 80th within the distribution are analyzed, and a percentile for each use-tier is selected that generates a feasible fit between mean and median values over the 12 months. A SAS graphing program is used to evaluate each use-tier. The monthly ratios in each use-tier that were used for the 2020 EWU Report are provided in Table F-1 below.

2020 ESTIMATED WATER USE REPORT

TABLE F-1: Monthly pumped/permited Ratios used for Water Use Estimates, 2020

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	0.95	0.88	1.86	1.63	1.11	0.5	0.42	0.33	0.35	0.85	0.52	0.57	0.831	P75
Agriculture	2	0.61	0.54	1.27	1.08	0.74	0.29	0.23	0.12	0.1	0.31	0.25	0.29	0.486	P60
Agriculture	3	0.45	0.39	0.96	0.82	0.52	0.14	0.15	0.08	0.06	0.2	0.21	0.23	0.351	P60
Agriculture	4	0.06	0.14	0.5	0.56	0.16	0	0	0	0.03	0.4	0.36	0.07	0.190	P70
Industrial/Com	1	0.45	0.39	0.49	0.42	0.46	0.49	0.47	0.56	0.74	0.8	0.7	0.49	0.538	P65
Industrial/Com	2	0.62	0.57	0.73	0.78	0.6	0.48	0.67	0.53	0.45	0.82	0.67	0.41	0.611	P60
Industrial/Com	3	0.26	0.14	0.21	0.3	0.44	0.52	0.56	0.53	0.21	0.56	0.26	0.32	0.359	P60
Industrial/Com	4	0.31	0.37	0.46	0.57	0.55	0.55	0.36	0.41	0.34	0.43	0.41	0.49	0.438	P60
Institutional	1	0.21	1.33	0.11	0.09	1.83	0.41	1.4	0.08	0.12	0.11	0.01	0.01	0.476	P55
Institutional	2	0.21	1.33	0.11	0.09	1.83	0.41	1.4	0.08	0.12	0.11	0.01	0.01	0.476	P55
Institutional	3	0.79	0.75	0.63	0.74	0.59	0.72	0.71	0.82	0.82	0.75	0.6	0.7	0.718	P50
Institutional	4	0.79	0.75	0.63	0.74	0.59	0.72	0.71	0.82	0.82	0.75	0.6	0.7	0.718	P50
Landscape/Rec	1	0.83	0.98	1.13	1.01	1.01	0.8	0.84	0.59	0.45	0.68	0.7	0.48	0.792	P65
Landscape/Rec	2	0.25	0.39	0.75	0.7	0.68	0.55	0.38	0.22	0.2	0.49	0.3	0.21	0.427	P60
Landscape/Rec	3	0.54	0.61	1.07	0.94	1.09	0.75	0.72	0.53	0.39	0.55	0.57	0.43	0.683	P60
Landscape/Rec	4	0	0.34	0.97	1.07	1.03	0.81	0.79	0.2	0.01	0.01	0.11	0.03	0.448	P60
Mining/Dew	1	0.34	0.36	0.33	0.28	0.25	0.21	0.34	0.38	0.28	0.35	0.27	0.21	0.300	P65
Mining/Dew	2	0.97	0.47	0.35	0.21	0.57	0.11	0.02	0.23	0.25	0.24	0.42	0.14	0.332	P55
Mining/Dew	3	0.56	0.77	0.72	0.61	0.55	0.53	0.48	0.41	0.38	0.39	0.58	0.56	0.545	P55
Mining/Dew	4	0.1	0.34	0.26	0.59	0.09	0.1	0.17	0.28	0.52	0.37	0.4	0.33	0.296	P65
Other	1	0	0	0	0	0	0	0.19	1.16	0	0	0	0	0.113	P75
Other	2	0	0	0	0	0	0	0.19	1.16	0	0	0	0	0.113	P75
Other	3	0	0	0	0	0	0	0.19	1.16	0	0	0	0	0.113	P75
Other	4	0	0	0.01	0.6	0.71	0.45	0.01	0.01	0	0	0	0	0.149	P55
Public Supply	1	0.78	0.9	1.36	1.2	1.16	0.69	0.63	0.66	0.4	1.06	1.03	1.06	0.911	P60
Public Supply	2	0.79	0.79	0.87	0.73	0.91	0.73	0.74	0.75	0.73	0.69	0.71	0.7	0.762	P55
Public Supply	3	0.7	0.74	0.84	0.77	0.81	0.76	0.76	0.69	0.63	0.73	0.69	0.66	0.732	P55
Public Supply	4	0.67	0.69	0.87	0.83	0.87	0.7	0.74	0.68	0.61	0.63	0.66	0.65	0.717	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.

2020 ESTIMATED WATER USE REPORT

DOMESTIC SELF SUPPLY (DSS) ESTIMATIONS

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

Since 2014, the counties' rural population is calculated using a GIS-based analysis of census parcels located outside of utility-served areas. In earlier EWU reports, the rural population was calculated as the difference between a countywide functional population and the sum of utility-served functional populations reported in the PSARs. The 2020 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 above GIS shapefiles are available under "Demographics" on the District's Geospatial Data Portal: <https://data-swfwmd.opendata.arcgis.com/>.

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

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

UTILIZATION OF PUBLIC SUPPLY ANNUAL REPORTS

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